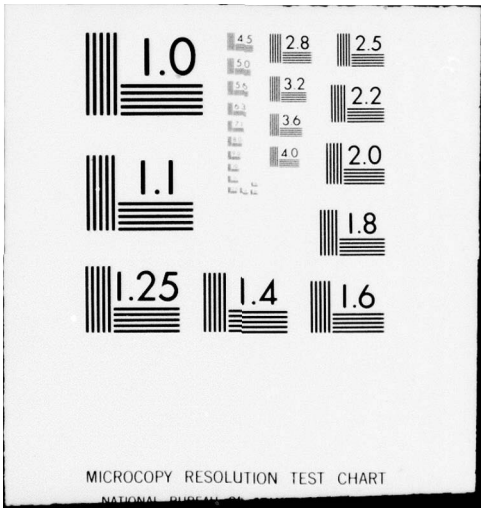
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EXPERIMENTAL DATA

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

Results are presented for transonic wind tunnel tests conducted in the 4T Wind Tunnel at Arnold Engineering and Development Center for various wing-body/pylon/ store model combinations. Experimental data were obtained at 0, 2, and 5 degrees angle of attack of the model combinations and at Mach numbers of 0.925, 0.950, 1.05, and 1.10 in the transonic range. Pylon and store models were attached to a wing-body combination in two separate, systematic model build-up sequences. At each stage of the first sequence, flow velocities and static pressures were obtained in the vicinity of the store or those regions normally occupied by a store while

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force; moment and surface pressure measurements were taken on the wing-body model. Also, flow velocities and static pressure were recorded on a cylindrical control surface far from the tunnel centerline to provide outer flow field conditions. The second model build-up sequence involved a special pressure-instrumented store that was mounted on the captive trajectory system for simulating a separating store. Detailed pressure distributions and loading were obtained on the store.

AD-A077 183

Data Report for a Test Program to Study Transonic Flow Fields About Wing-Body/Pylon/Store Combinations Volume II.-Flow Field Survey Data for Configurations 21 and 22

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Nielsen Engineering & Research, Inc
Mountain View, California

May 1978

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DATA REPORT FOR A TEST PROGRAM TO STUDY TRANSONIC FLOW FIELDS ABOUT WING-BODY/ PYLON/STORE COMBINATIONS.

VOLUME II. FLOW FIELD SURVEY DATA FOR CONFIGURATIONS 21 and 22.

by

S. S. Stahara and A. J. Crisalli

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May 1978

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NOMENCLATURE

AAL	local upwash angle referenced to body-axis coordinates, calculated from probe measurements, deg
AATL	local upwash angle referenced to tunnel-axis coordinates, calculated from probe measurements, deg
ALFA	wing-body angle of attack, positive nose up as seen by the pilot, deg
ALFAS	angle of attack of the CTS mounted store or probe positive nose up as seen by the pilot, deg
A_n	pressure store projected planform area of nth element $A_n = \frac{\Delta\phi r(x)}{S}$
AW	wing-body planform area, 0.444 ft^2
b	wing span of wing body, 16.0 in.
B_n	pressure store projected frontal area of nth element $B_n = \frac{\Delta\phi r(x)\,dr/dx}{S}$
CA	axial-force coefficient, positive downstream as seen by the pilot; for wing-body, CA = axial force/[(Q)(AW)]; for pressure store, $CA = D_1 \sum_{\phi=-175}^{175} CP_1 + \sum_{n=2}^{5} (CAX)_n D_n$
CAB	base axial-force coefficient
CAF	forebody axial-force coefficient
CAX, CAX_n	pressure store axial-force distribution per foot $CAX = CAX_n = B_n \sum_{\phi=-175}^{175} CP_n, \quad n = 1 \text{ to } 5$
CLL	rolling-moment coefficient, positive vector upstream as seen by the pilot, CLL = moment/[(Q)(AW)(b)]
CLM	pitching-moment coefficient, positive vector to right as seen by the pilot; for wing-body, CLM = moment/[(Q)(AW)(MAC)]; for pressure store, $CLM = \sum_{n=2}^{19} (CLMX)_n G_n$
CLMF	forebody pitching-moment coefficient

$CLMX_n$ — pressure store pitching-moment distribution per foot, $CLMX_n = (x/d)_n (CNX)_n$

CLN — yawing-moment coefficient, positive vector down as seen by the pilot; for wing-body, CLN = moment/[(Q)(AW)(b)]; for pressure store, $CLN = \sum_{n=2}^{19} (CLNX)_n$

$CLNX_n$ — pressure store yawing-moment distribution per foot, $CLNX_n = (x/d)_n (CYX)_n$

CN — normal-force coefficient, positive up as seen by pilot; for wing-body, CN = normal force/[(Q)(AW)(MAC)]; for pressure store, $CN = \sum_{n=2}^{19} (CNX)_n G_n$

CNF — forebody normal-force coefficient

CNX — pressure store normal-force distribution per foot, $CNX_n = -A_n \sum_{\phi=-175}^{175} CP_n \cos \phi$, n = 2 to 19

CONFIG — wing-body loading designation

CPL — local pressure coefficient, calculated from probe measurements

CP_n — pressure store pressure coefficient, n = 1 to 19

CPS_n — wing-body surface pressure coefficient, n = 1 to 25

CY — side-force coefficient, positive to the right as seen by the pilot; for wing-body, CY = side force/[(Q)(AW)]; for pressure store, $CY = \sum_{n=2}^{19} (CYX)_n G_n$

CYX — pressure store side-force distribution per foot $CYX_n = -A_n \sum_{\phi=-175}^{175} CP_n \sin \phi$, n = 2 to 19

DATE — calendar time at which data were recorded

D_n — length of nth element in X direction for axial-force calculation

DPHI	roll angle between the pressure store orifice (X-Z) plane and the wing-body X-Z plane, positive clockwise looking upstream
dr/dx	pressure store local surface slope
G_n	length of nth element in X direction
MAC	mean aerodynamic chord for wing-body, 5.344 in.
MACH (M)	wind tunnel free-stream Mach number
ML	local Mach number calculated from probe measurements
M1,M2,M3,M4	free stream Mach numbers. Nominally, M1 = 0.925, M2 = 0.950, M3 = 1.05, M4 = 1.10
M_∞	free stream Mach number
P	wind tunnel free-stream static pressure, psfa
PART	sequential indexing number for referencing data. A constant throughout each survey
PBAR	atmospheric pressure, psfa
PL	local static pressure calculated from probe measurements, psfa
POINT	sequential indexing number for referencing data obtained during one part. Indexes each time a new set of data inputs is obtained
PTL	local total pressure measured by probe, psfa
Q	wind tunnel free-stream dynamic pressure, psfa
$Re \times 10^{-6}$	wind tunnel free-stream Reynolds number, millions per foot
r(x)	pressure store local body radius at orifice location "X"
S	pressure store maximum cross-sectional area, 0.003068 ft^2
SURVEY	identifier for specific user table-survey combination
SWL	local sidewash angle referenced to body axis coordinates, calculated from probe measurements
SWTL	local sidewash angle referenced to tunnel axis
TEST	alpha-numeric notation for referencing a specific test program in a specific test unit

TT	wind tunnel free-stream total temperature, °F
UL,VL,WL	velocity components in the body axis X, Y, and Z directions, respectively, calculated from probe measurements, ft/sec
UT,VT,WT	velocity components in the tunnel-axis X, Y, and Z directions, respectively, calculated from probe measurements, ft/sec
Vl(VM)	wind tunnel free-stream velocity, ft/sec
X,Y,Z	body-fixed Cartesian coordinate system with origin at the nose of the aircraft model, and orientation such that the X axis is directed downstream and coincident with the longitudinal body axis, the Y axis directed to the left as viewed by a tunnel observer looking upstream, and the Z axis directed vertically downward in the tunnel
XS	axial distance along the pressure store, measured from the nose, ft
XT,YT,ZT	tunnel-fixed Cartesian coordinate system directed parallel and perpendicular to the tunnel centerline. The origin is coincident with the aircraft model nose at zero angle of attack. Positive directions are identical to the body axis system
x/d	characteristic dimension from midpoint of pressure store
α	model angle of attack, deg
$\Delta\phi$	pressure store roll increment between data points, 10 deg

DATA REPORT FOR A TEST PROGRAM TO STUDY TRANSONIC FLOW FIELDS ABOUT WING-BODY/ PYLON/STORE COMBINATIONS

VOLUME II.- FLOW FIELD SURVEY DATA FOR CONFIGURATIONS 21 AND 22

1. INTRODUCTION

This volume of the data report presents the flow-field survey data for configurations 21 and 22 at Mach numbers M1 = 0.925, M2 = 0.950, and M3 = 1.05 and angles of attack α = 0°, 2°, and 5°. The data were obtained in the 4T Wind Tunnel at Arnold Engineering and Development Center. These tests, performed at a nominal Reynolds number per foot of 3.0×10^6, are indexed and outlined in Tables I through III of this volume. The tabulated data are contained on pages 1 through 222 of this volume.

2. DESCRIPTION OF TESTS

A general description of the test program as well as the details of the test hardware, coordinate systems, data uncertainties and other details associated with these tests are provided in Volume I of this data report.

Figure 1 provides the geometric details of the wing-body model tested. Planform and cross-sectional views of the wing-body in combination with pylons and attached stores are shown in figure 2, together with (X,Y) and (Y,Z) body-fixed coordinates which define the positions of the wings, pylons, stores and other locations of geometric interest. As discussed in Volume I, the actual measured coordinates differ slightly from the idealized blue-print coordinates shown in figure 2. See Volume I for details.

The various configurations of the wing-body pylons and stores used in the flow-field survey tests are shown in figure 3, where they are numbered 21, 22, 24, 25, and 26. The diagrams shown in figure 3 represent cross-sectional views of the model configurations from the standpoint of a wind-tunnel observer looking upstream from the rear of the model. The wing-body, pylons and dummy stores are clearly

indicated. The pressure store is not used in these configurations. The symbols "X" in figure 3 represent a cross-sectional view of the measurement (Y,Z) grid positions at which the conical probe was used to obtain inner flow field measurements while traversing in the longitudinal direction. Figure 4 shows the longitudinal extent of the general inner flow field grid layout, together with a detailed cross-sectional view of the general inner flow field grid layout. The specific grid (shown in figure 3) which is used for a given configuration is a subset of the grid layout shown in figure 4.

In addition to the above described inner flow-field grids, an outer flow-field grid was used to obtain outer flow-field surveys for configurations 21, 22, 24, and 25. The outer flow-field grid was the same for all configurations and is illustrated in figure 5. The outer flow-field grid layout is designed to give outer flow-field data at constant radial distance from the tunnel centerline for two values of the azimuthal angle.

The flow field data was obtained using the conical probe described in Volume I to determine flow-field velocity components and upwash and sidewash angles, as well as other flow quantities of interest. The velocities and angles were calculated using five pressures measured with the probe, including the pitot pressure, from an orifice located on the tip of the probe, and two orthogonal pairs of surface pressures from four orifices located on the conical portion of the probe. These pressures are used to deduce the other local-flow quantities, such as Mach number and total pressure.

3. DESCRIPTION OF DATA

Volume II contains all inner and outer flow-field survey data for configurations 21 and 22. Table I contains a summary of the data contained in Volume II together with the page numbers and reference tables in Volume II corresponding to the data. Table II is a reference table which gives the page numbers in Volume II of the inner flow-field survey data for configurations 21 and 22 at the various Mach numbers and angles of attack. Column 1 of Table II

indicates the configuration (21 or 22), columns 2, 3 and 4 indicate the initial and final positions and the incremental change in the X coordinate of the probe static pressure orifices. Columns 5 and 6 indicate the Y and Z coordinates, respectively, of the probe longitudinal centerline. The remaining columns of Table II indicate the Mach numbers and angle of attack at which the test was carried out.

Table III is another reference table which gives the page numbers in Volume II of the outer flow-field survey data for configurations 21 and 22 at the various Mach numbers and angles of attack. The description of Table III is the same as that of Table II, with the exception that tunnel-axis coordinates (XT, YT, ZT) are used instead of body-axis coordinates (X,Y,Z).

The inner flow-field survey data for configurations 21 and 22 are presented in tabular form in this volume on pages 1 through 186. The heading on each page contains the test number, the part number, the Reynolds number per foot, the angle of attack of the model, the configuration number (21 or 22), the survey number and the angle of attack of the CTS pressure probe (nominally the same as the model angle of attack).

Below the heading information are the data obtained during each test. The first four columns indicate the sequential indexing number for referencing data obtained during one part (POINT) and the location of the probe in the body-fixed X, Y, or Z coordinates. (The body-fixed coordinate system is illustrated in figure 6.) The wind tunnel free-stream quantities are in columns five through nine, and are Mach number (M), velocity (VM, ft/sec), total pressure (PT, psfa), dynamic pressure (Q, psf), and total temperature (TT, °F). Following these quantities are local quantities as measured by the probe or calculated from probe measurements. These local quantities are Mach number (ML), the ratio of local to free-stream velocity (VML/VM), the ratio of local to free-stream total pressure (PTL/PT), pressure coefficient (CPL), the ratio of local velocity components in the body-fixed X, Y, and Z coordinates, respectively to the free-stream velocity (UL/VM,

VL/VM and WL/VM, respectively), and the upwash and sidewash angles referenced to body-axis coordinates (AAL and SWL, respectively). The positive sense of the upwash and sidewash is shown in figure 7.

The outer flow-field survey data for configurations 21 and 22 are presented in tabular form in this volume on pages 187 through 222. The description of this data tabulation is identical to that of the inner flow-field data tabulation, with the exception that the probe position, the upwash and the sidewash are referenced to the tunnel-fixed coordinate system which is illustrated in figure 8. We note that the quantity ALPHAS, representing the angle of attack of the CTS mounted probe, which appears in the heading of the data page will always be nominally zero for the outer flow-field surveys.

TABLE I.- SUMMARY OF TABULATED DATA IN VOLUME II

$Re/ft = 3.0 \times 10^6$

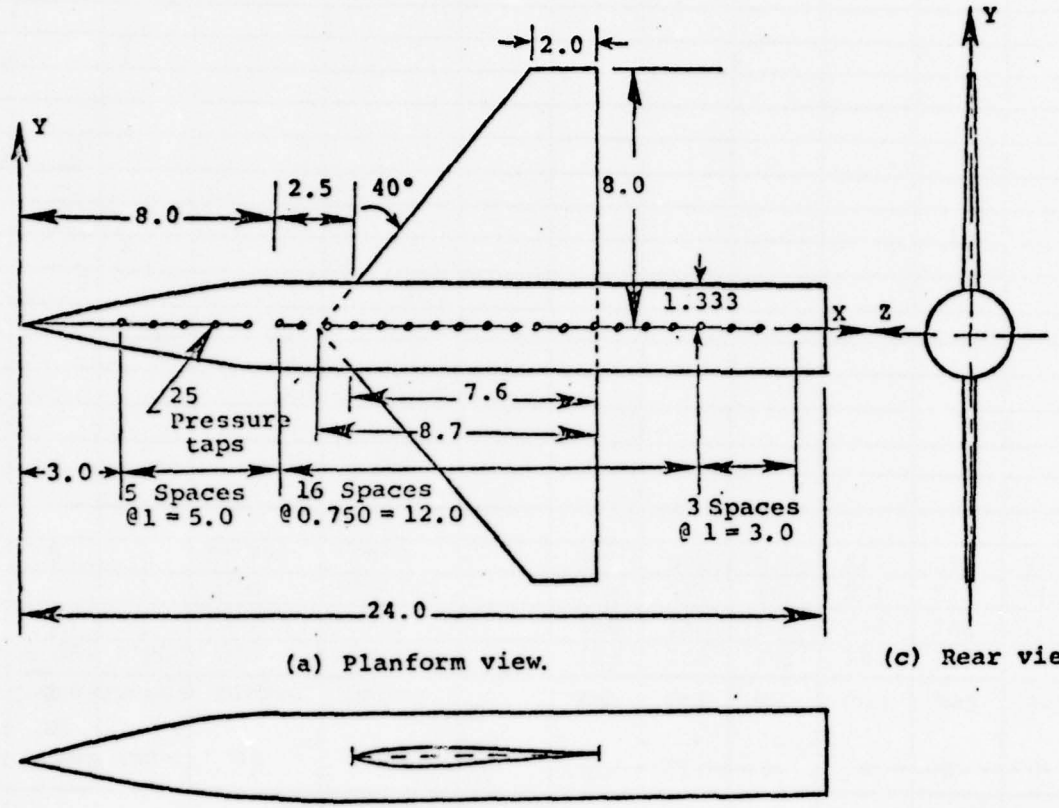
Reference Table	Test	Pages
II	Inner flow-field surveys for configuration 21 and 22	1-186
III	Outer flow-field surveys for configurations 21 and 22	187-222

TABLE II.- INNER FLOW-FIELD SURVEYS FOR CONFIGURATIONS 21 AND 22

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Config	Initial X inches	Final X inches	ΔX inches	Y inches	Z inches		← M1 → α=0	α=2	α=5	← M2 → α=0	α=2	α=5	← M3 → α=0	α=2	α=5		
21	10.500	19.824	0.666	4.250	-2.730												
					-1.980												
					-1.230		1	12	23	34	45	56	68	79	90		
		19.491	0.333	3.500	-2.730		2	13	24	35	46	57	69	80	91		
					-1.980		3	14	25	36	47	58/59	70	81	92		
					-1.230		4	15	26	37	48	60	71	82	93		
		19.824	0.666	2.750	-2.730												
					-1.980												
					-1.230		5	16	27	38	49	61	72	83	94		
	9.834			0.750	-3.708												
					-2.958												
					-2.208		6	17	28	39	50	62	73	84	95		
		19.491	0.333	0.000	-3.708		7	18	29	40	51	63	74	85	96		
					-2.958		8	19	30	41	52	64	75	86	97		
					-2.208		9	20	31	42	53	65	76	87	98		
		20.498	1.333	-0.750	-3.708												
					-2.208		10	21	32	43	54	66	77	88	99/100		
	10.500	19.831		-2.750	-2.730												
					-1.230		11	22	33	44	55	67	78	89	101		
22		19.824	0.666	4.250	-2.730					120	131	143	154	165	176		
					-1.980					121	132	144	155	166	177		
					-1.230		102	108	114	122	133	145	156	167	178		
		19.491	0.333	3.500	-2.730		103	109	115	123	134	146	157	168	179		
					-1.980		104	110	116	124	135	147	158	169	180		
					-1.230		105	111	117	125	136	148	159	170	181		
		19.824	0.666	2.750	-2.730					126	137/138	149	160	171	182		
					-1.980					127	139	150	161	172	183		
					-1.230		106	112	118	128	140	151	162	173	184		
		19.831	1.333	-2.750	-2.730					129	141	152	163	174	185		
					-1.230		107	113	119	130	142	153	164	175	186		

TABLE III.- OUTER FLOW-FIELD SURVEY DATA FOR CONFIGURATIONS 21 AND 22

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Config	Initial XT inches	Final XT inches	ΔXT inches	YT inches	ZT inches		← M1 → α=0	α=2	α=5	← M2 → α=0	α=2	α=5	← M3 → α=0	α=2	α=5		
21	-6.000	24.000	1.000	0.0	-14.142		187	189	191	193	195	197	199	201	203		
↓				14.142	0.0		188	190	192	194	196	198	200	202	204		
22				0.0	-14.142		205	207	209	211	213	215	217	219	221		
↓				14.142	0.0		206	208	210	212	214	216	218	220	222		



(a) Planform view.

(b) Side view.

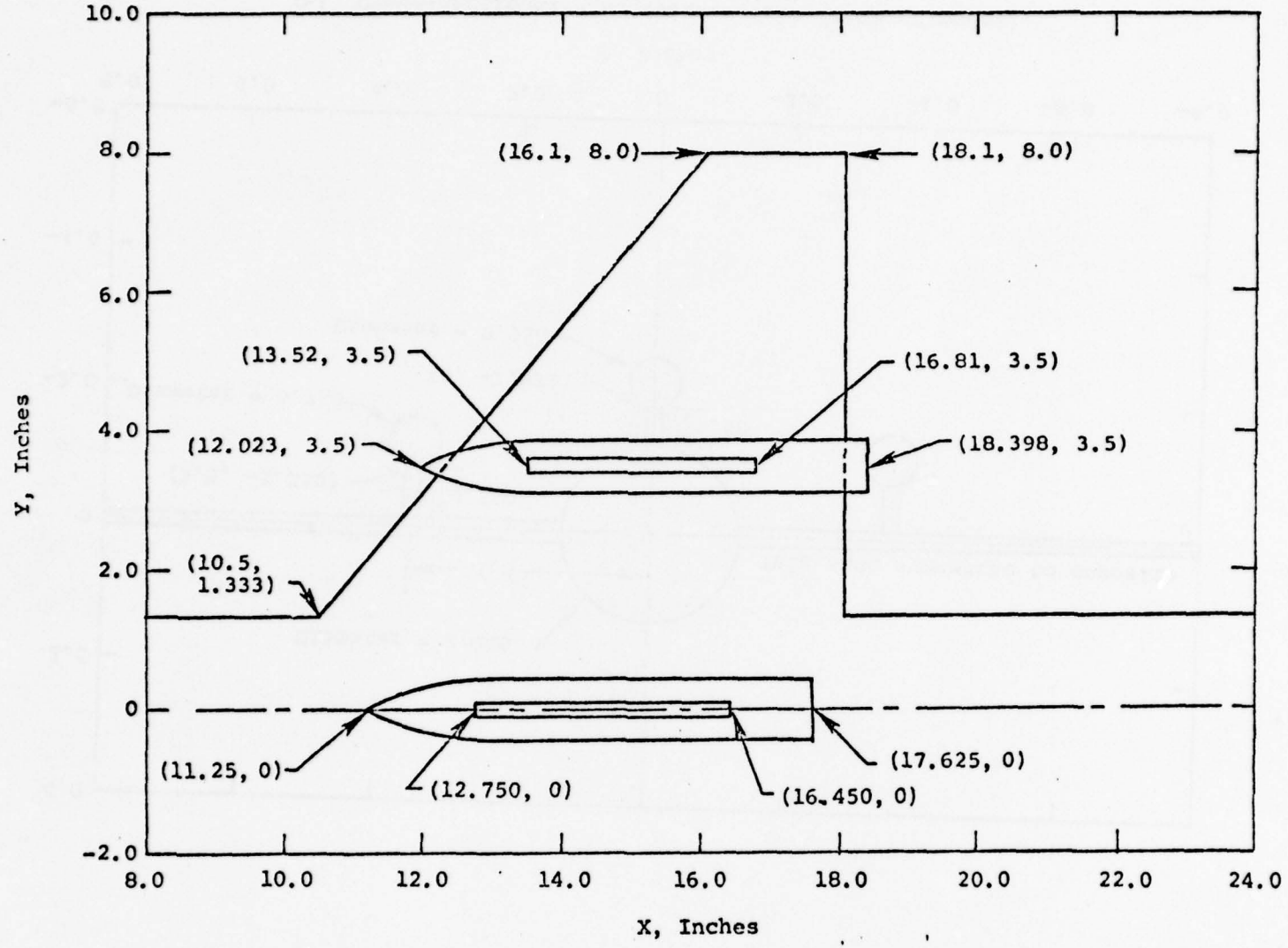
(c) Rear view.

BODY COORDINATES

x, in.	r, in.
0	0
0.5	0.162
1.0	0.313
1.5	0.453
2.0	0.583
2.5	0.703
3.0	0.813
3.5	0.912
4.0	1.000
4.5	1.078
5.0	1.146
5.5	1.203
6.0	1.250
6.5	1.287
7.0	1.313
7.5	1.328
8.0	1.333
24.0	1.333

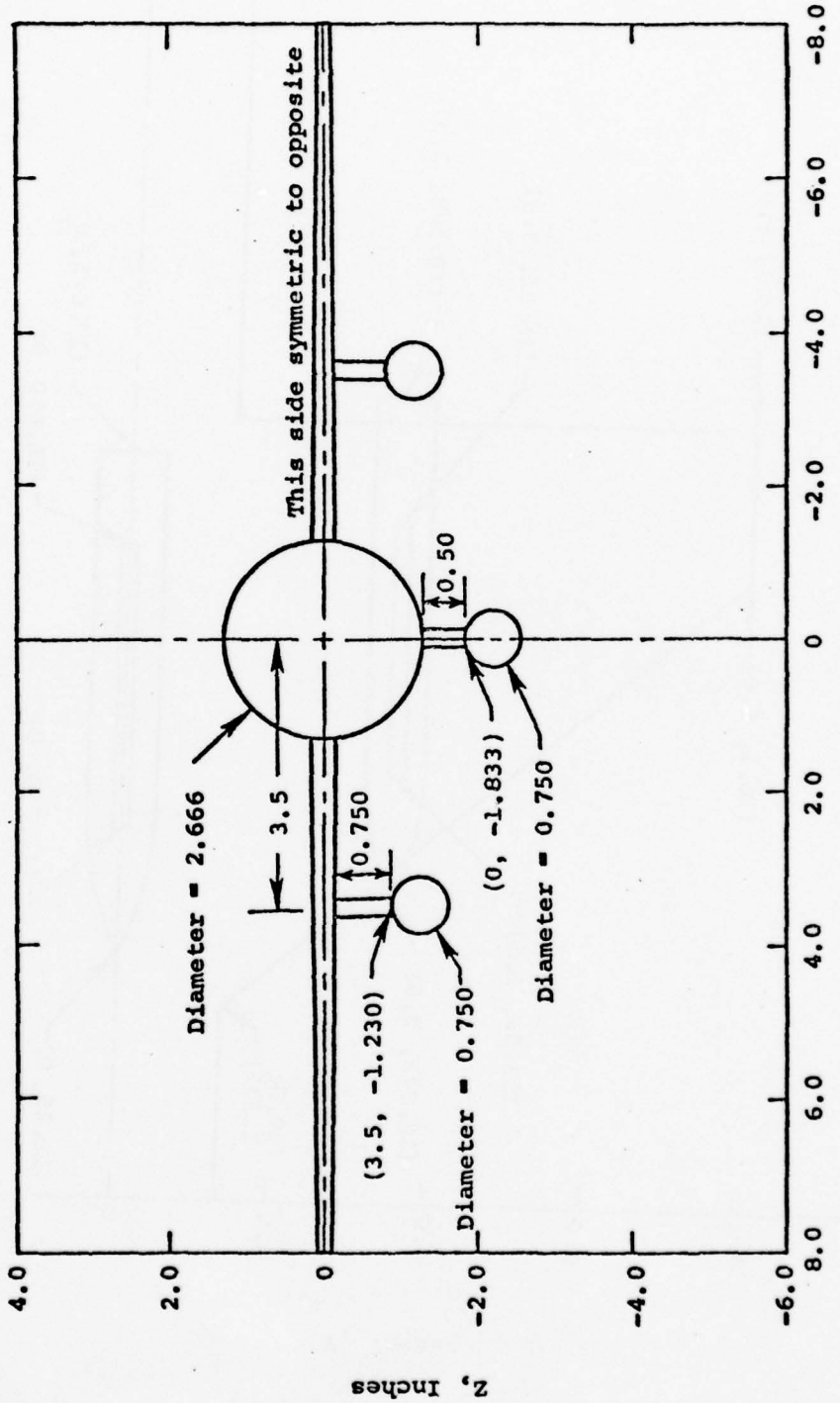
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Figure 1.-Wing-body combination.



(a) Planform view, including (X,Y) coordinates.

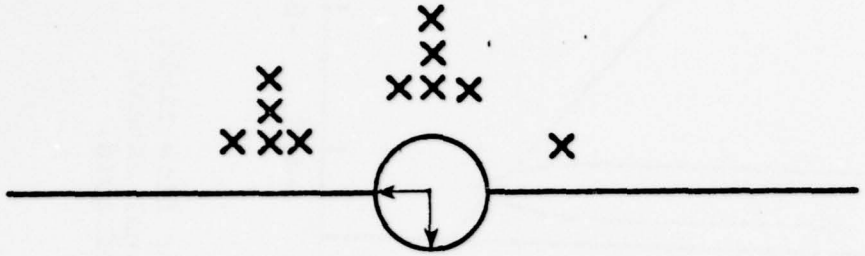
Figure 2.- Wing-body with pylons and stores, including body-fixed coordinates.



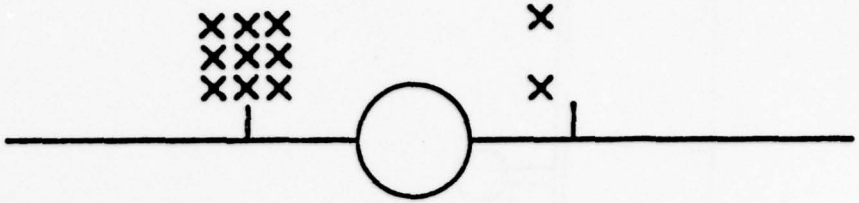
(b) Cross-sectional view (viewed from front of model), including (Y,Z) coordinates.

Figure 2.-Concluded.

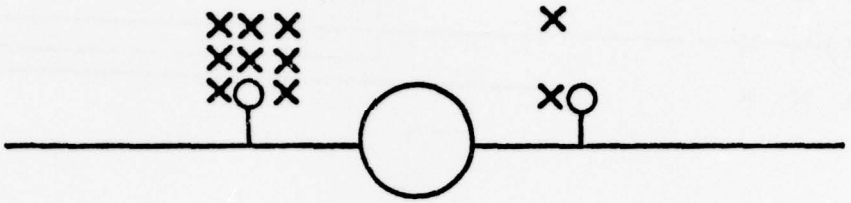
Configuration 21



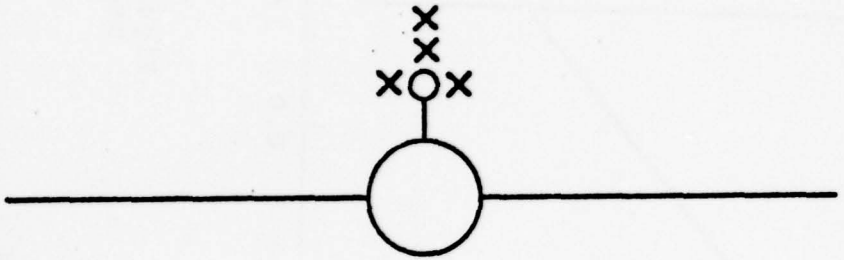
Configuration 22



Configuration 24



Configuration 25



Configuration 26

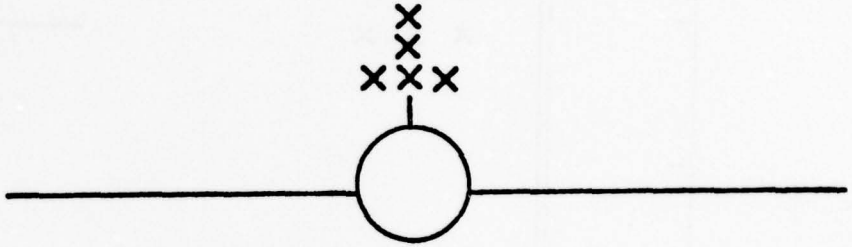


Figure 3. - Cross-sectional illustration of configurations 21, 22, 24, 25 and 26 viewed from rear of model.

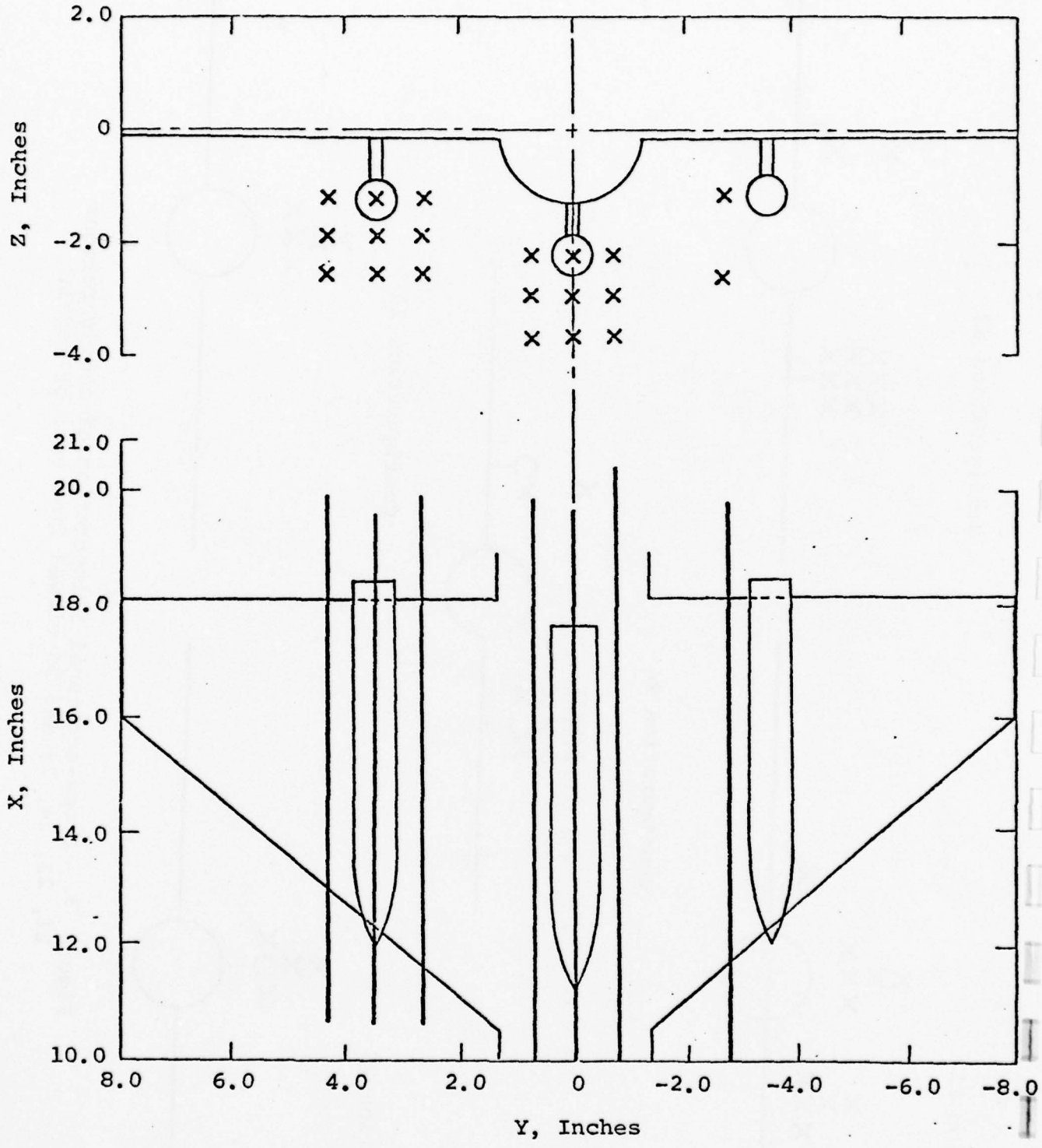
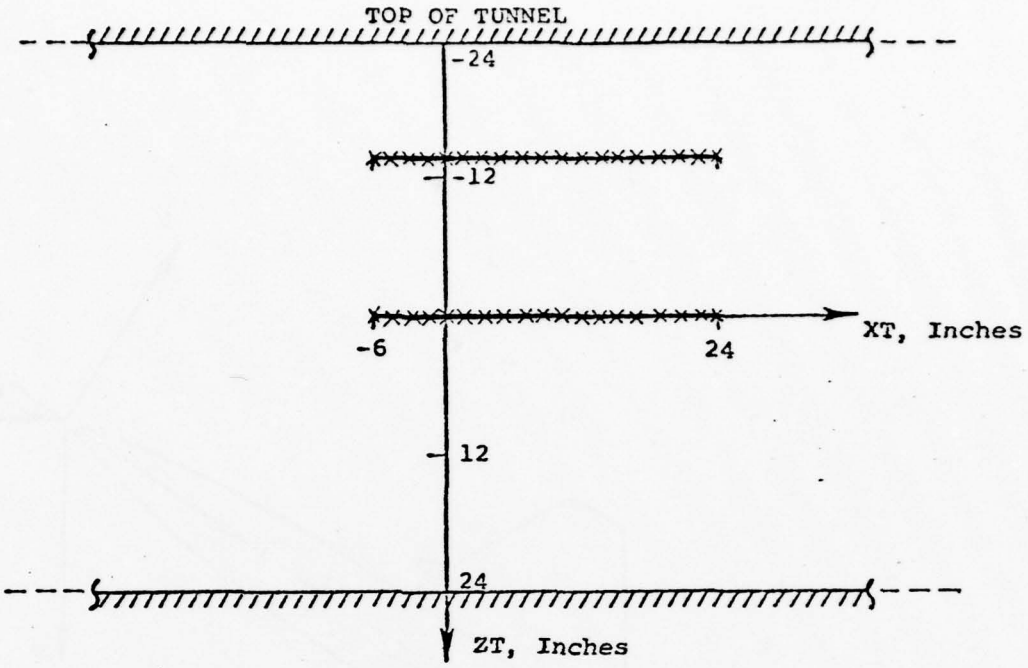
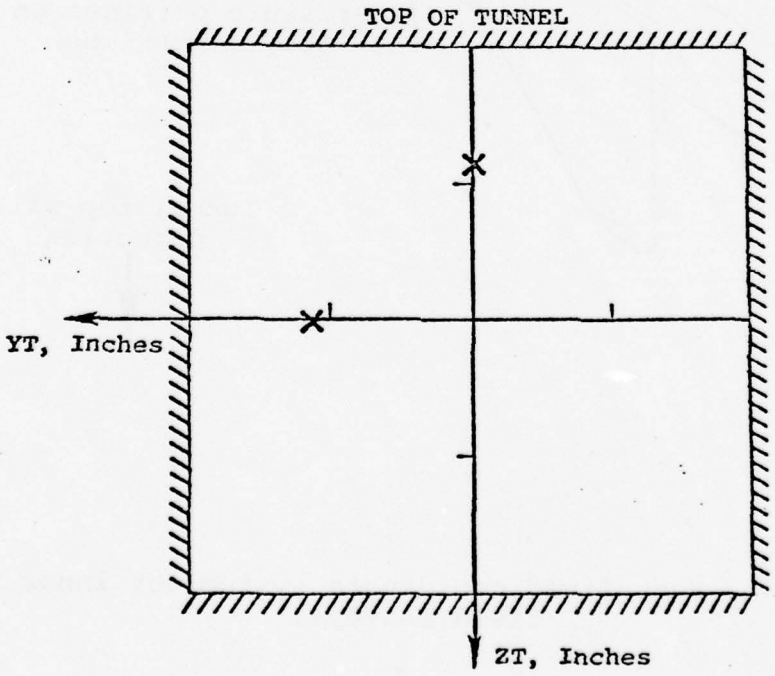


Figure 4.- General grid for inner flow-field measurements showing longitudinal extent and cross-sectional view of grid.



(a) XT Traverse in XT, ZT plane.



(b) XT Traverse in YT, ZT plane.

Figure 5.- General grids for outer flow-field surveys.

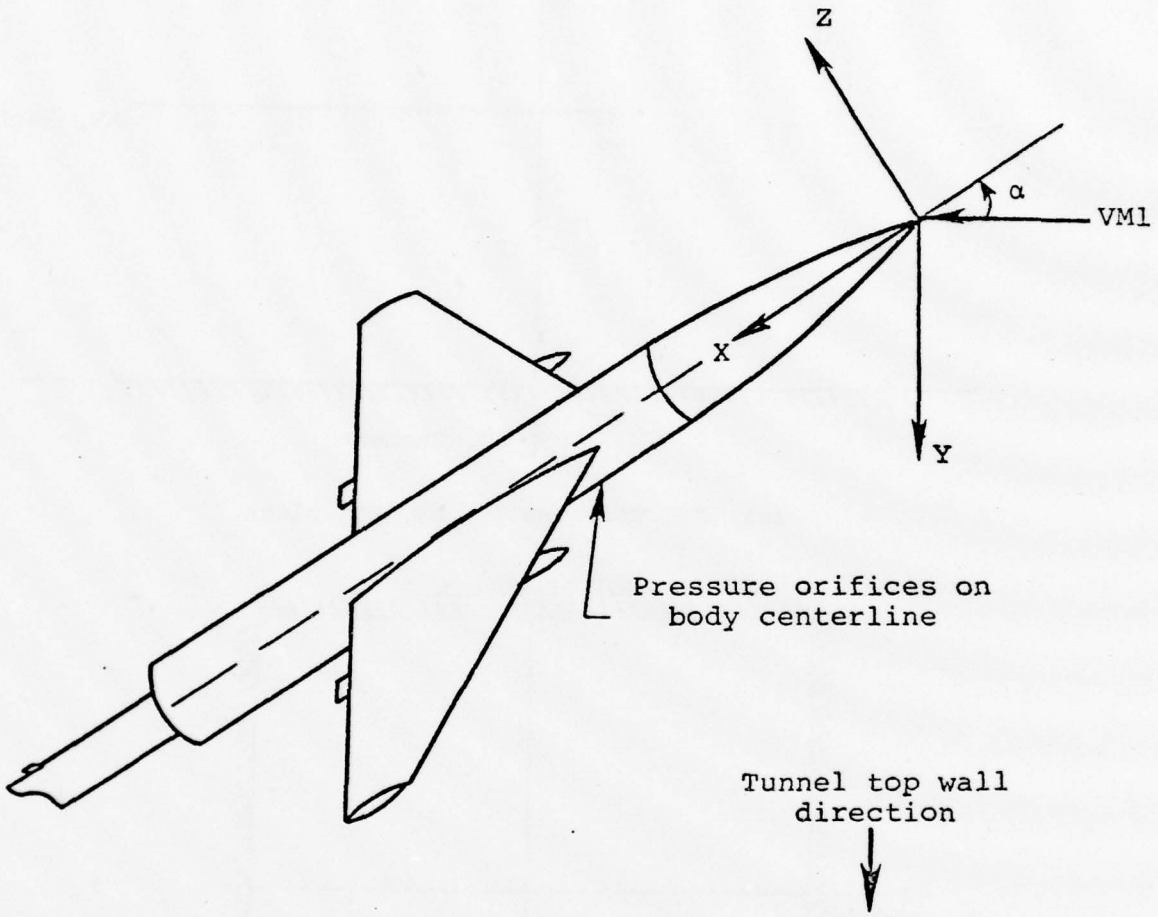


Figure 6.- Body-fixed coordinate system for inner flow field surveys.

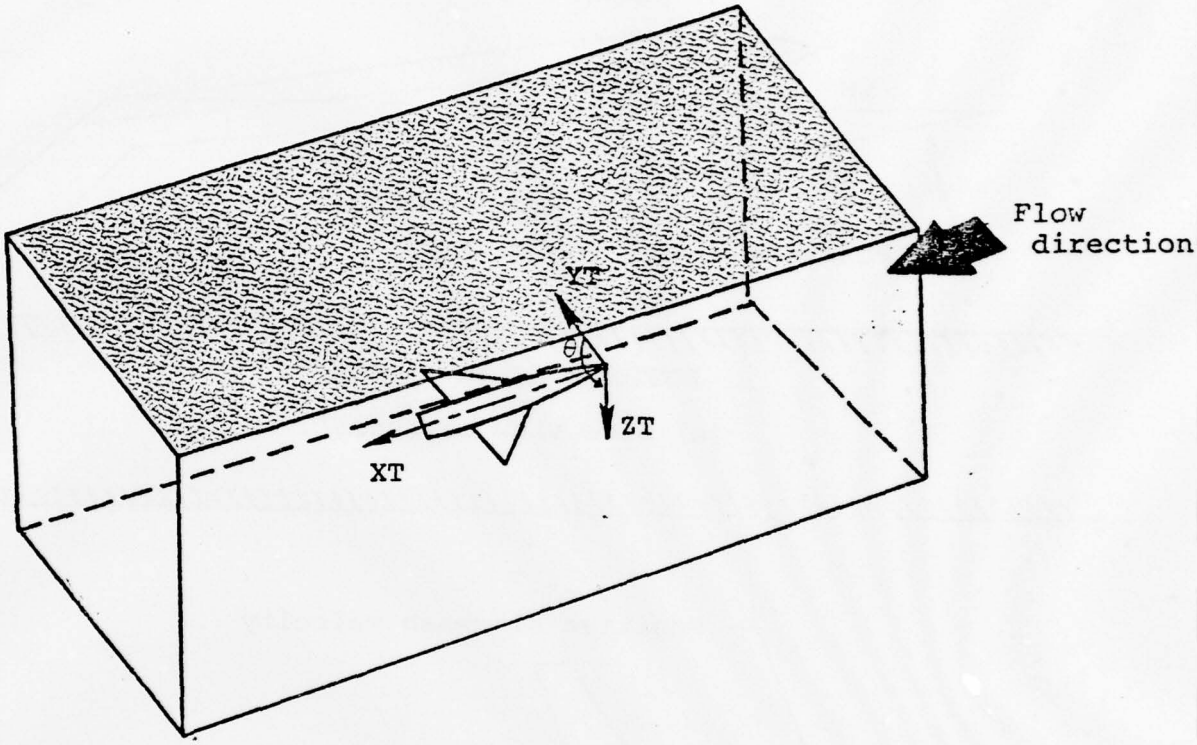
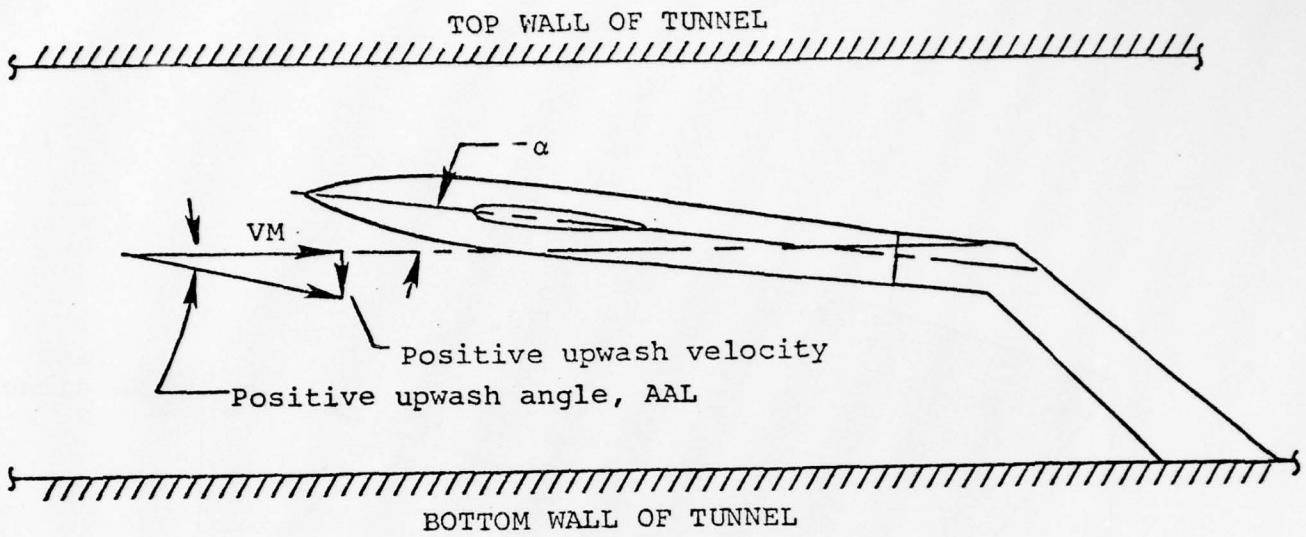
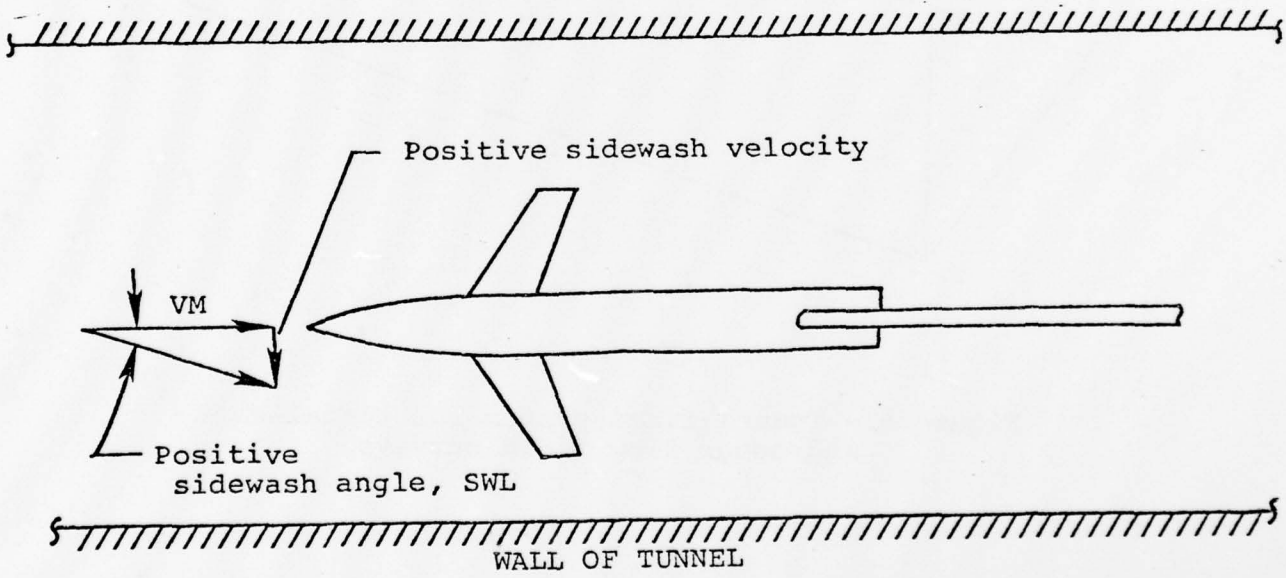


Figure 8.- Tunnel-fixed system for tunnel-empty and outer flow field surveys.



(a) Side view of tunnel.



(b) Plan view of tunnel from top.

Figure 7.- Pictorial sign convention for upwash and sidewash angles.

DATE 9-MAR-78 PROJECT NO P41C-N0C

APO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	656	3.001	0.00	21	901	0.02	2-21-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
9	10.500	4.250	-1.230	0.927	979.4	1460.3	504.0	85.1	0.923	0.997	1.000	0.006	0.997	0.006	-0.007	-0.39	0.34
10	11.166	4.250	-1.230	0.928	980.7	1461.7	505.2	85.2	0.919	0.991	0.999	0.017	0.991	0.009	-0.010	-0.55	0.54
11	11.832	4.250	-1.230	0.925	977.7	1461.0	503.1	85.3	0.915	0.991	1.000	0.018	0.991	0.012	-0.015	-0.84	0.68
12	12.498	4.250	-1.230	0.926	979.2	1462.7	504.6	85.4	0.917	0.992	0.999	0.014	0.992	0.013	-0.022	-1.28	0.75
13	13.164	4.250	-1.230	0.927	980.5	1462.4	505.2	85.5	0.927	0.999	0.999	-0.000	0.999	0.009	-0.030	-1.72	0.50
14	13.830	4.250	-1.230	0.925	978.4	1463.0	504.2	85.5	0.946	1.019	0.999	-0.040	1.019	-0.001	-0.031	-1.77	-0.07
15	14.496	4.250	-1.230	0.927	979.8	1461.9	504.6	85.6	0.970	1.039	0.999	-0.080	1.039	-0.009	-0.025	-1.35	-0.50
16	15.162	4.250	-1.230	0.929	981.7	1461.2	505.4	85.6	0.992	1.057	0.999	-0.115	1.057	-0.014	-0.015	-0.81	-0.75
17	15.828	4.250	-1.230	0.926	979.4	1462.9	504.7	85.6	1.012	1.077	0.999	-0.156	1.077	-0.015	-0.004	-0.20	-0.62
18	16.494	4.250	-1.230	0.928	981.4	1462.2	505.6	85.5	1.034	1.095	0.999	-0.191	1.095	-0.016	0.010	0.55	-0.85
19	17.160	4.250	-1.230	0.927	980.2	1461.7	504.7	85.6	1.028	1.091	1.000	-0.182	1.090	-0.014	0.033	1.75	-0.73
20	17.826	4.250	-1.230	0.928	981.3	1462.5	505.7	85.6	0.926	0.998	0.999	0.003	0.997	-0.011	0.032	1.81	-0.61
21	18.492	4.250	-1.230	0.928	980.9	1461.9	505.2	85.5	0.899	0.974	1.000	0.053	0.973	-0.009	0.019	1.10	-0.53
22	19.158	4.250	-1.230	0.928	980.8	1462.4	505.2	85.7	0.902	0.976	0.999	0.045	0.976	-0.007	0.011	0.65	-0.43
24	19.824	4.250	-1.230	0.928	981.1	1456.4	504.3	85.2	0.913	0.986	0.999	0.027	0.986	-0.007	0.008	0.46	-0.41

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	659	2,998	0.00	21	904	0.02	2-21-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-2.730	0.924	973.7	1448.5	498.4	81.7	0.923	1.000	0.999	-0.001	1.000	0.003	-0.009	-0.52	0.18
2	10.833	3.500	-2.730	0.924	973.6	1447.0	497.9	81.6	0.921	0.997	1.000	0.005	0.997	0.004	-0.011	-0.62	0.20
3	11.166	3.500	-2.730	0.925	975.0	1449.2	499.4	81.7	0.922	0.997	0.999	0.004	0.997	0.004	-0.012	-0.71	0.20
4	11.499	3.500	-2.730	0.925	974.7	1447.2	498.6	81.5	0.921	0.997	0.999	0.005	0.997	0.004	-0.014	-0.81	0.23
5	11.832	3.500	-2.730	0.925	974.9	1447.2	498.7	81.6	0.924	0.999	1.000	0.002	0.999	0.004	-0.016	-0.89	0.20
6	12.165	3.500	-2.730	0.927	976.5	1449.0	500.3	81.6	0.928	1.001	1.000	-0.002	1.001	0.003	-0.017	-0.97	0.20
7	12.498	3.500	-2.730	0.928	977.0	1448.4	500.4	81.5	0.932	1.004	0.999	-0.009	1.004	0.002	-0.018	-1.02	0.13
8	12.831	3.500	-2.730	0.925	974.6	1446.8	499.2	81.4	0.933	1.008	0.999	-0.017	1.008	0.001	-0.018	-1.01	0.07
9	13.164	3.500	-2.730	0.926	975.2	1448.1	499.2	81.5	0.939	1.013	1.000	-0.026	1.012	0.000	-0.018	-1.00	0.02
10	13.497	3.500	-2.730	0.926	975.5	1447.7	499.4	81.4	0.946	1.019	1.000	-0.038	1.019	-0.001	-0.018	-1.00	-0.04
11	13.830	3.500	-2.730	0.927	976.4	1446.6	499.4	81.5	0.952	1.023	1.000	-0.046	1.023	-0.002	-0.017	-0.94	-0.13
12	14.163	3.500	-2.730	0.927	976.7	1447.4	499.9	81.6	0.960	1.030	1.000	-0.060	1.030	-0.003	-0.015	-0.86	-0.19
13	14.496	3.500	-2.730	0.925	975.1	1448.3	499.1	81.7	0.964	1.036	0.999	-0.073	1.036	-0.004	-0.014	-0.75	-0.25
14	14.829	3.500	-2.730	0.927	976.1	1447.8	499.7	81.5	0.971	1.041	0.999	-0.082	1.041	-0.005	-0.011	-0.60	-0.30
15	15.162	3.500	-2.730	0.927	976.9	1446.9	499.8	81.6	0.979	1.047	1.000	-0.094	1.047	-0.006	-0.008	-0.45	-0.34
17	15.495	3.500	-2.730	0.923	973.1	1448.0	498.0	81.6	0.979	1.051	0.999	-0.104	1.051	-0.007	-0.004	-0.24	-0.38
18	15.828	3.500	-2.730	0.926	975.8	1449.3	499.9	81.7	0.991	1.059	0.999	-0.119	1.059	-0.007	-0.000	-0.02	-0.40
19	16.161	3.500	-2.730	0.927	976.2	1447.5	499.7	81.4	0.998	1.064	0.999	-0.130	1.064	-0.007	0.005	0.25	-0.39
20	16.494	3.500	-2.730	0.929	977.8	1447.3	500.5	81.4	1.007	1.071	1.000	-0.143	1.071	-0.007	0.009	0.49	-0.38
21	16.827	3.500	-2.730	0.926	976.0	1449.4	500.2	81.5	1.005	1.071	0.999	-0.143	1.071	-0.006	0.016	0.85	-0.33
22	17.160	3.500	-2.730	0.928	977.2	1448.1	500.5	81.4	0.983	1.050	0.999	-0.102	1.050	-0.005	0.019	1.05	-0.29
23	17.493	3.500	-2.730	0.930	978.8	1447.6	501.2	81.4	0.960	1.028	0.999	-0.057	1.028	-0.005	0.020	1.11	-0.27
24	17.826	3.500	-2.730	0.927	976.8	1447.9	500.1	81.6	0.939	1.011	1.000	-0.023	1.011	-0.005	0.019	1.05	-0.26
25	18.159	3.500	-2.730	0.928	977.5	1447.7	500.5	81.5	0.927	0.999	0.999	0.001	0.999	-0.004	0.016	0.93	-0.25
26	18.492	3.500	-2.730	0.928	977.3	1448.8	500.7	81.5	0.920	0.992	0.999	0.014	0.992	-0.005	0.013	0.75	-0.27
27	18.825	3.500	-2.730	0.927	976.6	1447.6	499.9	81.6	0.916	0.990	0.999	0.019	0.990	-0.004	0.011	0.61	-0.25
28	19.158	3.500	-2.730	0.929	978.2	1448.4	501.1	81.5	0.917	0.989	0.999	0.020	0.989	-0.004	0.009	0.50	-0.24
29	19.491	3.500	-2.730	0.928	977.3	1448.1	500.4	81.6	0.917	0.990	0.999	0.018	0.990	-0.004	0.007	0.39	-0.23

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	657	3.006	0.00	21	902	0.01	2-21-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.980	0.928	978.5	1452.6	502.3	82.4	0.923	0.995	0.999	0.008	0.995	0.004	-0.010	-0.55	0.25
2	10.833	3.500	-1.980	0.929	979.2	1450.2	501.8	82.4	0.921	0.993	0.999	0.014	0.992	0.005	-0.011	-0.65	0.29
3	11.166	3.500	-1.980	0.928	978.3	1449.8	501.3	82.2	0.921	0.994	1.000	0.013	0.993	0.006	-0.014	-0.78	0.33
4	11.499	3.500	-1.980	0.930	979.3	1450.7	502.3	82.0	0.921	0.992	0.999	0.014	0.992	0.007	-0.016	-0.92	0.38
5	11.832	3.500	-1.980	0.925	975.2	1449.8	499.6	81.9	0.918	0.994	0.999	0.012	0.993	0.006	-0.018	-1.06	0.36
6	12.165	3.500	-1.980	0.927	976.5	1450.8	500.8	81.9	0.924	0.997	0.999	0.004	0.997	0.006	-0.021	-1.19	0.33
7	12.498	3.500	-1.980	0.927	976.6	1448.2	500.0	81.8	0.927	1.000	0.999	-0.001	1.000	0.004	-0.022	-1.28	0.23
8	12.831	3.500	-1.980	0.927	977.0	1449.0	500.5	81.7	0.935	1.007	1.000	-0.014	1.006	0.002	-0.023	-1.33	0.14
9	13.164	3.500	-1.980	0.928	977.7	1447.7	500.5	81.7	0.939	1.010	0.999	-0.022	1.010	0.001	-0.023	-1.33	0.05
10	13.497	3.500	-1.980	0.926	975.5	1449.3	499.7	81.7	0.947	1.019	0.999	-0.040	1.019	-0.001	-0.023	-1.29	-0.07
11	13.830	3.500	-1.980	0.926	975.9	1448.0	499.5	81.7	0.954	1.025	0.999	-0.051	1.025	-0.003	-0.021	-1.15	-0.19
12	14.163	3.500	-1.980	0.928	977.3	1448.9	500.8	81.5	0.964	1.033	0.999	-0.067	1.032	-0.005	-0.019	-1.04	-0.30
13	14.496	3.500	-1.980	0.928	977.5	1447.8	500.5	81.5	0.971	1.039	0.999	-0.079	1.039	-0.006	-0.016	-0.88	-0.36
14	14.829	3.500	-1.980	0.928	977.0	1448.9	500.6	81.4	0.979	1.046	0.999	-0.094	1.046	-0.007	-0.013	-0.69	-0.41
15	15.162	3.500	-1.980	0.928	977.4	1447.3	500.3	81.4	0.986	1.052	1.000	-0.105	1.052	-0.009	-0.009	-0.47	-0.48
16	15.495	3.500	-1.980	0.925	974.7	1447.3	498.8	81.3	0.992	1.061	0.999	-0.123	1.061	-0.009	-0.004	-0.24	-0.50
17	15.828	3.500	-1.980	0.927	976.1	1447.1	499.6	81.3	1.001	1.068	0.999	-0.137	1.068	-0.010	0.000	0.02	-0.51
18	16.161	3.500	-1.980	0.924	973.5	1446.7	497.9	81.2	1.005	1.073	0.999	-0.149	1.073	-0.009	0.005	0.26	-0.49
19	16.494	3.500	-1.980	0.926	975.4	1448.5	499.6	81.3	1.020	1.085	0.999	-0.172	1.085	-0.009	0.012	0.62	-0.48
20	16.827	3.500	-1.980	0.928	977.2	1450.2	501.2	81.4	1.028	1.089	0.998	-0.182	1.089	-0.008	0.020	1.07	-0.44
21	17.160	3.500	-1.980	0.924	973.3	1448.7	498.4	81.4	0.985	1.056	1.000	-0.112	1.055	-0.007	0.026	1.40	-0.35
22	17.493	3.500	-1.980	0.926	975.8	1451.1	500.7	81.4	0.958	1.029	0.999	-0.059	1.028	-0.005	0.027	1.51	-0.30
23	17.826	3.500	-1.980	0.928	977.6	1450.1	501.4	81.5	0.935	1.006	0.999	-0.013	1.006	-0.005	0.024	1.36	-0.28
24	18.159	3.500	-1.980	0.928	977.3	1447.5	500.2	81.6	0.918	0.991	1.000	0.018	0.991	-0.005	0.021	1.20	-0.29
25	18.492	3.500	-1.980	0.927	976.8	1449.9	500.7	81.7	0.912	0.986	1.000	0.027	0.986	-0.005	0.016	0.92	-0.26
26	18.825	3.500	-1.980	0.927	977.0	1448.4	500.3	81.7	0.908	0.982	0.999	0.035	0.982	-0.004	0.012	0.71	-0.26
27	19.158	3.500	-1.980	0.929	978.1	1449.6	501.4	81.7	0.911	0.984	0.999	0.031	0.984	-0.005	0.010	0.56	-0.28
28	19.491	3.500	-1.980	0.929	978.1	1448.8	501.1	81.7	0.914	0.986	1.000	0.027	0.986	-0.004	0.008	0.44	-0.25

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	658	2.992	0.00	21	903	0.02	2-21-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
5	10.500	3.500	-1.230	0.921	970.8	1446.8	496.2	81.5	0.913	0.992	1.000	0.015	0.992	0.006	-0.009	-0.50	0.37
6	10.833	3.500	-1.230	0.923	972.7	1449.0	498.0	81.6	0.912	0.990	0.999	0.018	0.990	0.008	-0.011	-0.66	0.49
7	11.166	3.500	-1.230	0.923	972.8	1447.8	497.6	81.7	0.909	0.987	1.000	0.024	0.987	0.010	-0.014	-0.81	0.60
8	11.499	3.500	-1.230	0.923	973.1	1447.2	497.6	81.7	0.907	0.986	0.999	0.028	0.985	0.012	-0.017	-1.01	0.69
9	11.832	3.500	-1.230	0.924	973.8	1448.4	498.4	81.7	0.910	0.987	1.000	0.025	0.987	0.012	-0.022	-1.28	0.71
10	12.165	3.500	-1.230	0.925	975.2	1448.2	499.2	81.7	0.912	0.988	0.999	0.022	0.988	0.011	-0.027	-1.54	0.66
11	12.498	3.500	-1.230	0.926	975.3	1448.2	499.3	81.7	0.919	0.994	1.000	0.011	0.994	0.008	-0.031	-1.79	0.49
12	12.831	3.500	-1.230	0.927	976.5	1448.7	500.1	81.7	0.927	1.000	0.999	-0.001	0.999	0.005	-0.033	-1.90	0.26
13	13.164	3.500	-1.230	0.927	976.7	1446.9	499.6	81.7	0.935	1.007	1.000	-0.015	1.007	0.000	-0.033	-1.88	0.03
14	13.497	3.500	-1.230	0.927	977.0	1448.2	500.2	81.7	0.946	1.017	1.000	-0.035	1.017	-0.003	-0.032	-1.79	-0.19
15	13.830	3.500	-1.230	0.928	977.4	1447.9	500.4	81.7	0.959	1.028	1.000	-0.057	1.028	-0.006	-0.028	-1.56	-0.36
16	14.163	3.500	-1.230	0.926	975.2	1447.8	499.2	81.5	0.965	1.036	0.999	-0.073	1.036	-0.009	-0.024	-1.31	-0.48
17	14.496	3.500	-1.230	0.923	972.7	1448.1	497.8	81.6	0.970	1.043	0.999	-0.088	1.043	-0.010	-0.019	-1.06	-0.57
18	14.829	3.500	-1.230	0.923	973.3	1446.7	497.7	81.5	0.979	1.051	1.000	-0.103	1.051	-0.012	-0.015	-0.82	-0.65
19	15.162	3.500	-1.230	0.925	975.2	1448.3	499.3	81.6	0.990	1.059	0.999	-0.119	1.058	-0.012	-0.010	-0.53	-0.68
20	15.495	3.500	-1.230	0.927	976.3	1448.6	500.0	81.6	1.002	1.068	0.999	-0.138	1.068	-0.012	-0.005	-0.26	-0.67
21	15.828	3.500	-1.230	0.924	973.5	1448.5	498.4	81.5	1.008	1.077	0.999	-0.155	1.076	-0.013	0.002	0.08	-0.68
22	16.161	3.500	-1.230	0.925	974.5	1446.8	498.5	81.4	1.017	1.083	0.999	-0.167	1.083	-0.012	0.007	0.36	-0.64
23	16.494	3.500	-1.230	0.927	976.6	1448.6	500.3	81.4	1.034	1.096	0.999	-0.195	1.096	-0.013	0.016	0.83	-0.67
24	16.827	3.500	-1.230	0.929	977.9	1448.1	500.9	81.4	1.041	1.101	0.999	-0.204	1.100	-0.011	0.027	1.41	-0.59
25	17.160	3.500	-1.230	0.926	975.4	1448.0	499.4	81.4	1.016	1.081	1.000	-0.163	1.081	-0.008	0.035	1.86	-0.44
26	17.493	3.500	-1.230	0.928	977.7	1448.6	500.8	81.6	0.961	1.030	0.999	-0.062	1.030	-0.006	0.036	2.00	-0.34
29	17.826	3.500	-1.230	0.924	973.6	1446.7	497.8	81.6	0.918	0.995	1.000	0.010	0.994	-0.006	0.032	1.83	-0.34
30	18.159	3.500	-1.230	0.926	975.8	1448.7	499.8	81.5	0.902	0.977	0.999	0.043	0.977	-0.005	0.025	1.44	-0.32
31	18.492	3.500	-1.230	0.928	977.0	1447.3	500.1	81.4	0.896	0.971	0.999	0.057	0.971	-0.006	0.018	1.08	-0.33
32	18.825	3.500	-1.230	0.926	976.1	1448.5	499.8	81.7	0.898	0.974	1.000	0.051	0.974	-0.005	0.014	0.81	-0.29
33	19.158	3.500	-1.230	0.928	977.7	1448.8	500.9	81.6	0.903	0.977	0.999	0.045	0.977	-0.005	0.011	0.63	-0.29
34	19.491	3.500	-1.230	0.928	977.1	1447.9	500.2	81.6	0.907	0.981	0.999	0.036	0.981	-0.005	0.009	0.51	-0.27

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	660	3.005	0.00	21	905	0.02	2-21-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-1.230	0.928	977.6	1448.6	500.9	81.4	0.915	0.988	0.999	0.022	0.988	0.006	-0.012	-0.68	0.32
2	11.166	2.750	-1.230	0.924	974.1	1447.6	498.5	81.4	0.906	0.983	0.999	0.034	0.982	0.009	-0.021	-1.23	0.53
3	11.832	2.750	-1.230	0.925	975.0	1447.5	498.9	81.5	0.912	0.987	1.000	0.025	0.987	0.007	-0.030	-1.74	0.41
4	12.498	2.750	-1.230	0.927	976.6	1447.7	499.9	81.6	0.927	1.000	0.999	-0.002	1.000	0.000	-0.034	-1.92	0.00
5	13.164	2.750	-1.230	0.928	977.5	1448.0	500.6	81.4	0.945	1.015	1.000	-0.031	1.015	-0.006	-0.030	-1.71	-0.35
6	13.830	2.750	-1.230	0.926	975.5	1449.2	499.8	81.6	0.966	1.036	0.999	-0.074	1.036	-0.009	-0.024	-1.33	-0.51
7	14.496	2.750	-1.230	0.927	976.2	1448.0	499.7	81.6	0.979	1.047	1.000	-0.095	1.047	-0.010	-0.016	-0.86	-0.56
8	15.162	2.750	-1.230	0.925	974.6	1448.7	499.1	81.6	0.995	1.064	0.999	-0.129	1.064	-0.010	-0.006	-0.35	-0.54
9	15.828	2.750	-1.230	0.927	976.4	1447.4	499.7	81.6	1.012	1.076	0.999	-0.154	1.076	-0.009	0.005	0.25	-0.50
11	16.494	2.750	-1.230	0.926	975.3	1447.1	498.9	81.6	1.039	1.102	1.000	-0.205	1.102	-0.008	0.020	1.04	-0.41
12	17.160	2.750	-1.230	0.927	976.9	1448.6	500.4	81.6	1.008	1.073	0.999	-0.147	1.072	-0.001	0.035	1.89	-0.08
13	17.826	2.750	-1.230	0.927	976.6	1447.3	499.8	81.5	0.921	0.995	0.999	0.010	0.994	-0.000	0.031	1.79	-0.03
15	18.492	2.750	-1.230	0.928	977.5	1446.7	500.2	81.4	0.899	0.973	1.000	0.054	0.973	-0.002	0.018	1.08	-0.12
18	19.158	2.750	-1.230	0.928	977.7	1446.3	500.1	81.4	0.904	0.978	1.000	0.044	0.978	-0.002	0.011	0.63	-0.14
21	19.824	2.750	-1.230	0.928	977.5	1447.4	500.4	81.4	0.914	0.987	1.000	0.026	0.987	-0.003	0.008	0.44	-0.15

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	661	2.994	0.00	21	906	0.02	2-21-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.750	-2.208	0.922	972.1	1447.2	497.1	81.6	0.926	1.004	1.000	-0.007	1.004	-0.002	-0.007	-0.42	-0.13
2	10.500	0.750	-2.208	0.923	973.1	1447.3	497.8	81.5	0.918	0.995	1.000	0.008	0.995	-0.004	-0.010	-0.57	-0.21
3	11.166	0.750	-2.208	0.925	974.7	1448.5	499.0	81.6	0.920	0.995	0.999	0.009	0.995	-0.005	-0.013	-0.73	-0.29
4	11.832	0.750	-2.208	0.925	975.1	1447.6	499.0	81.6	0.926	1.000	1.000	-0.001	1.000	-0.006	-0.014	-0.78	-0.33
5	12.498	0.750	-2.208	0.928	977.1	1449.0	500.7	81.6	0.938	1.010	0.999	-0.021	1.010	-0.006	-0.013	-0.75	-0.34
6	13.164	0.750	-2.208	0.929	978.4	1448.3	501.1	81.7	0.953	1.022	0.999	-0.045	1.022	-0.006	-0.012	-0.68	-0.34
7	13.830	0.750	-2.208	0.927	976.3	1448.4	500.0	81.5	0.967	1.037	0.999	-0.076	1.037	-0.006	-0.009	-0.51	-0.32
8	14.496	0.750	-2.208	0.928	977.0	1447.6	500.2	81.5	0.980	1.048	0.999	-0.097	1.048	-0.005	-0.006	-0.34	-0.28
9	15.162	0.750	-2.208	0.927	976.8	1448.3	500.2	81.6	0.994	1.060	0.999	-0.123	1.060	-0.004	-0.002	-0.13	-0.21
10	15.828	0.750	-2.208	0.926	976.0	1447.1	499.4	81.5	1.006	1.072	1.000	-0.145	1.072	-0.002	0.004	0.24	-0.10
11	16.494	0.750	-2.208	0.927	976.7	1448.3	500.2	81.6	1.022	1.085	0.999	-0.173	1.085	0.001	0.009	0.50	0.03
12	17.160	0.750	-2.208	0.928	977.9	1448.9	501.0	81.6	0.983	1.050	0.999	-0.100	1.050	0.004	0.014	0.76	0.21
14	17.826	0.750	-2.208	0.925	975.2	1448.0	499.1	81.7	0.937	1.011	1.000	-0.022	1.011	0.003	0.014	0.79	0.18
15	18.492	0.750	-2.208	0.929	978.2	1448.5	501.1	81.7	0.923	0.995	1.000	0.010	0.995	0.002	0.010	0.59	0.12
18	19.158	0.750	-2.208	0.927	976.9	1448.4	500.3	81.6	0.918	0.992	1.000	0.016	0.992	0.001	0.006	0.37	0.05
19	19.824	0.750	-2.208	0.929	978.1	1447.2	500.5	81.7	0.919	0.992	0.999	0.016	0.992	0.000	0.005	0.27	0.00

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	664	2.993	0.00	21	909	0.02	2-21-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.000	-3.708	0.922	972.0	1447.5	497.0	81.7	0.928	1.006	1.000	-0.013	1.006	-0.001	-0.007	-0.42	-0.07
2	10.167	0.000	-3.708	0.923	973.1	1449.0	498.2	81.7	0.926	1.003	0.999	-0.008	1.003	-0.001	-0.008	-0.47	-0.05
3	10.500	0.000	-3.708	0.923	973.3	1448.9	498.3	81.7	0.925	1.002	0.999	-0.006	1.002	-0.001	-0.009	-0.53	-0.08
4	10.833	0.000	-3.708	0.923	973.4	1448.3	498.2	81.7	0.924	1.001	0.999	-0.003	1.001	-0.001	-0.010	-0.58	-0.08
5	11.166	0.000	-3.708	0.924	973.5	1448.2	498.2	81.6	0.926	1.002	1.000	-0.005	1.002	-0.001	-0.011	-0.62	-0.08
6	11.499	0.000	-3.708	0.925	974.4	1448.0	498.7	81.6	0.927	1.002	0.999	-0.005	1.002	-0.001	-0.011	-0.64	-0.07
7	11.832	0.000	-3.708	0.924	974.3	1447.5	498.4	81.7	0.929	1.004	1.000	-0.008	1.004	-0.002	-0.012	-0.68	-0.10
8	12.165	0.000	-3.708	0.926	975.5	1448.5	499.5	81.7	0.932	1.006	0.999	-0.013	1.006	-0.001	-0.012	-0.71	-0.07
9	12.498	0.000	-3.708	0.926	976.0	1446.3	499.7	81.6	0.936	1.009	0.999	-0.020	1.009	-0.001	-0.012	-0.67	-0.08
10	12.831	0.000	-3.708	0.927	976.3	1447.8	499.8	81.4	0.940	1.013	1.000	-0.026	1.012	-0.001	-0.012	-0.68	-0.07
11	13.164	0.000	-3.708	0.928	977.3	1447.3	500.2	81.5	0.945	1.016	0.999	-0.033	1.016	-0.001	-0.011	-0.63	-0.07
12	13.497	0.000	-3.708	0.929	978.5	1447.5	501.0	81.5	0.952	1.021	1.000	-0.042	1.021	-0.001	-0.011	-0.60	-0.06
14	13.830	0.000	-3.708	0.927	976.3	1448.1	499.8	81.7	0.956	1.027	1.000	-0.055	1.027	-0.002	-0.010	-0.55	-0.09
15	14.163	0.000	-3.708	0.924	973.7	1447.8	498.2	81.7	0.958	1.032	0.999	-0.065	1.032	-0.001	-0.008	-0.45	-0.06
16	14.496	0.000	-3.708	0.925	974.4	1448.9	499.0	81.7	0.962	1.034	0.999	-0.071	1.034	-0.001	-0.006	-0.35	-0.07
17	14.829	0.000	-3.708	0.926	975.5	1448.0	499.3	81.7	0.968	1.039	0.999	-0.079	1.039	-0.001	-0.005	-0.30	-0.06
18	15.162	0.000	-3.708	0.924	973.7	1446.1	498.3	81.7	0.973	1.045	1.000	-0.092	1.045	-0.001	-0.004	-0.21	-0.03
19	15.495	0.000	-3.708	0.925	974.6	1449.2	499.2	81.7	0.977	1.048	0.999	-0.098	1.048	-0.000	-0.002	-0.09	-0.02
20	15.828	0.000	-3.708	0.926	976.0	1447.8	499.5	81.7	0.983	1.052	1.000	-0.104	1.052	-0.000	0.002	0.11	-0.02
21	16.161	0.000	-3.708	0.924	973.8	1447.1	498.0	81.7	0.980	1.051	1.000	-0.103	1.051	-0.001	0.004	0.24	-0.06
22	16.494	0.000	-3.708	0.926	975.9	1448.9	499.8	81.7	0.982	1.051	0.999	-0.104	1.051	-0.001	0.006	0.33	-0.04
23	16.827	0.000	-3.708	0.928	977.4	1448.3	500.5	81.7	0.977	1.045	0.999	-0.092	1.045	-0.000	0.009	0.49	-0.02
24	17.160	0.000	-3.708	0.930	979.0	1448.4	501.4	81.7	0.967	1.034	1.000	-0.070	1.034	-0.000	0.010	0.58	-0.03
26	17.493	0.000	-3.708	0.929	978.0	1449.7	501.4	81.7	0.954	1.023	0.999	-0.049	1.023	-0.000	0.011	0.61	-0.01
27	17.826	0.000	-3.708	0.928	977.6	1447.5	500.4	81.5	0.942	1.012	0.999	-0.026	1.012	-0.000	0.010	0.58	-0.02
29	18.159	0.000	-3.708	0.928	977.3	1447.6	500.2	81.7	0.934	1.006	0.999	-0.013	1.006	-0.000	0.010	0.54	-0.01
30	18.492	0.000	-3.708	0.927	977.0	1448.2	500.3	81.6	0.928	1.001	1.000	-0.002	1.001	-0.000	0.008	0.47	-0.01
31	18.825	0.000	-3.708	0.928	977.1	1448.2	500.4	81.5	0.926	0.998	0.999	0.002	0.998	-0.000	0.007	0.39	-0.01
32	19.158	0.000	-3.708	0.927	976.4	1448.0	499.8	81.7	0.922	0.996	1.000	0.007	0.996	-0.000	0.005	0.31	-0.01
33	19.491	0.000	-3.708	0.927	976.3	1449.2	500.2	81.7	0.922	0.996	0.999	0.006	0.996	-0.000	0.005	0.27	-0.01

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	662	2.995	0.00	21	907	0.02	2-21-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.000	-2.958	0.923	973.2	1447.4	497.8	81.6	0.928	1.004	0.999	-0.010	1.004	-0.001	-0.007	-0.37	-0.06
2	10.167	0.000	-2.958	0.923	973.4	1447.2	497.8	81.7	0.924	1.001	1.000	-0.003	1.001	-0.001	-0.008	-0.43	-0.06
3	10.500	0.000	-2.958	0.924	973.8	1447.9	498.2	81.7	0.923	1.000	1.000	0.000	1.000	-0.001	-0.009	-0.49	-0.09
4	10.833	0.000	-2.958	0.925	974.8	1448.5	499.1	81.7	0.923	0.998	0.999	0.002	0.998	-0.002	-0.010	-0.55	-0.09
5	11.166	0.000	-2.958	0.925	975.1	1448.4	499.2	81.7	0.923	0.998	0.999	0.002	0.998	-0.001	-0.011	-0.64	-0.08
6	11.499	0.000	-2.958	0.925	975.2	1447.7	499.0	81.7	0.925	1.000	1.000	0.000	1.000	-0.002	-0.012	-0.67	-0.09
7	11.832	0.000	-2.958	0.923	973.4	1447.3	497.8	81.7	0.927	1.003	1.000	-0.007	1.003	-0.002	-0.012	-0.68	-0.10
8	12.165	0.000	-2.958	0.924	974.1	1448.1	498.5	81.7	0.930	1.006	1.000	-0.012	1.006	-0.001	-0.012	-0.68	-0.08
9	12.498	0.000	-2.958	0.926	975.4	1449.0	499.6	81.7	0.935	1.009	0.998	-0.020	1.009	-0.002	-0.011	-0.65	-0.09
10	12.831	0.000	-2.958	0.926	975.5	1449.3	499.8	81.7	0.942	1.015	0.999	-0.030	1.014	-0.001	-0.011	-0.64	-0.06
11	13.164	0.000	-2.958	0.927	976.8	1448.3	500.2	81.6	0.947	1.018	0.999	-0.038	1.018	-0.001	-0.011	-0.61	-0.07
12	13.497	0.000	-2.958	0.924	974.0	1448.5	498.7	81.5	0.950	1.024	0.999	-0.048	1.024	-0.001	-0.010	-0.56	-0.05
13	13.830	0.000	-2.958	0.925	975.0	1447.2	498.8	81.5	0.958	1.030	0.999	-0.060	1.030	-0.001	-0.009	-0.48	-0.06
14	14.163	0.000	-2.958	0.927	976.0	1447.7	499.7	81.4	0.965	1.035	1.000	-0.071	1.035	-0.001	-0.007	-0.41	-0.06
15	14.496	0.000	-2.958	0.928	977.5	1447.6	500.5	81.4	0.970	1.038	0.999	-0.078	1.038	-0.001	-0.006	-0.32	-0.04
16	14.829	0.000	-2.958	0.927	976.4	1448.5	500.1	81.5	0.978	1.047	0.999	-0.094	1.047	-0.001	-0.005	-0.25	-0.03
17	15.162	0.000	-2.958	0.923	973.3	1448.6	498.3	81.5	0.976	1.049	1.000	-0.098	1.049	-0.001	-0.002	-0.13	-0.03
18	15.495	0.000	-2.958	0.925	974.7	1448.7	499.1	81.7	0.983	1.053	0.999	-0.108	1.053	-0.000	0.001	0.04	-0.01
19	15.828	0.000	-2.958	0.923	972.8	1447.6	497.6	81.7	0.988	1.059	1.000	-0.120	1.059	-0.001	0.002	0.12	-0.04
20	16.161	0.000	-2.958	0.924	973.9	1448.3	498.5	81.6	0.991	1.061	0.999	-0.123	1.061	-0.001	0.005	0.28	-0.03
21	16.494	0.000	-2.958	0.926	975.6	1448.9	499.8	81.5	0.997	1.064	1.000	-0.130	1.064	-0.001	0.008	0.42	-0.04
22	16.827	0.000	-2.958	0.925	974.6	1448.6	499.1	81.4	0.983	1.053	1.000	-0.107	1.053	-0.001	0.010	0.56	-0.03
23	17.160	0.000	-2.958	0.927	976.2	1447.8	499.8	81.4	0.967	1.037	0.999	-0.075	1.037	0.000	0.011	0.60	0.00
24	17.493	0.000	-2.958	0.928	977.4	1447.9	500.5	81.4	0.953	1.023	0.999	-0.047	1.023	0.000	0.012	0.69	0.02
26	17.826	0.000	-2.958	0.928	977.0	1448.2	500.4	81.4	0.942	1.013	0.999	-0.027	1.013	0.000	0.011	0.64	0.02
27	18.159	0.000	-2.958	0.928	977.2	1449.0	500.8	81.5	0.932	1.004	0.999	-0.010	1.004	0.000	0.010	0.59	0.01
28	18.492	0.000	-2.958	0.928	977.0	1446.6	499.8	81.5	0.925	0.998	1.000	0.004	0.998	0.000	0.009	0.52	0.01
29	18.825	0.000	-2.958	0.928	977.2	1448.3	500.5	81.6	0.922	0.995	0.999	0.009	0.995	0.000	0.007	0.42	0.02
30	19.158	0.000	-2.958	0.928	977.5	1448.1	500.6	81.5	0.922	0.994	0.999	0.011	0.994	0.000	0.006	0.35	0.00
31	19.491	0.000	-2.958	0.928	977.0	1447.3	500.1	81.4	0.920	0.993	0.999	0.014	0.993	0.000	0.005	0.32	0.03

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	663	2.999	0.00	21	908	0.02	2-21-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.000	-2.208	0.926	975.3	1447.2	499.0	81.5	0.930	1.004	1.000	-0.007	1.004	-0.002	-0.006	-0.36	-0.10
2	10.167	0.000	-2.208	0.924	973.7	1447.2	498.0	81.6	0.924	1.000	0.999	-0.001	1.000	-0.001	-0.007	-0.39	-0.08
3	10.500	0.000	-2.208	0.924	973.8	1448.2	498.4	81.6	0.922	0.998	1.000	0.003	0.998	-0.002	-0.008	-0.45	-0.10
4	10.833	0.000	-2.208	0.924	974.1	1447.9	498.6	81.4	0.921	0.997	1.000	0.006	0.997	-0.002	-0.009	-0.53	-0.12
5	11.166	0.000	-2.208	0.925	974.8	1447.2	498.7	81.4	0.920	0.996	0.999	0.008	0.996	-0.002	-0.010	-0.58	-0.11
6	11.499	0.000	-2.208	0.926	975.2	1447.7	499.1	81.5	0.924	0.998	1.000	0.003	0.998	-0.002	-0.010	-0.60	-0.13
7	11.832	0.000	-2.208	0.923	973.1	1447.6	497.7	81.7	0.925	1.002	0.999	-0.005	1.002	-0.002	-0.011	-0.62	-0.12
8	12.165	0.000	-2.208	0.923	972.7	1447.3	497.5	81.6	0.929	1.006	1.000	-0.012	1.006	-0.002	-0.011	-0.61	-0.11
9	12.498	0.000	-2.208	0.924	973.6	1447.4	498.0	81.7	0.935	1.010	0.999	-0.022	1.010	-0.002	-0.010	-0.59	-0.10
10	12.831	0.000	-2.208	0.925	974.6	1447.9	498.8	81.7	0.943	1.017	0.999	-0.035	1.017	-0.002	-0.009	-0.53	-0.09
11	13.164	0.000	-2.208	0.924	974.3	1446.3	498.1	81.6	0.950	1.023	1.001	-0.045	1.023	-0.002	-0.009	-0.50	-0.09
12	13.497	0.000	-2.208	0.923	972.8	1448.2	497.8	81.7	0.955	1.030	0.999	-0.061	1.030	-0.002	-0.008	-0.45	-0.09
13	13.830	0.000	-2.208	0.923	973.2	1447.3	497.8	81.6	0.962	1.036	1.000	-0.071	1.036	-0.002	-0.006	-0.35	-0.08
14	14.163	0.000	-2.208	0.925	974.8	1447.2	498.6	81.7	0.970	1.041	0.999	-0.083	1.041	-0.001	-0.005	-0.28	-0.06
15	14.496	0.000	-2.208	0.927	976.5	1449.2	500.3	81.7	0.982	1.051	0.999	-0.103	1.051	-0.001	-0.003	-0.19	-0.05
16	14.829	0.000	-2.208	0.924	974.2	1449.1	498.9	81.6	0.985	1.055	0.999	-0.113	1.055	-0.001	-0.002	-0.11	-0.05
17	15.162	0.000	-2.208	0.925	975.3	1448.3	499.3	81.7	0.995	1.063	1.000	-0.127	1.063	-0.001	-0.000	-0.01	-0.03
18	15.495	0.000	-2.208	0.925	974.8	1448.4	499.0	81.7	1.003	1.071	0.999	-0.144	1.071	0.000	0.002	0.12	0.00
19	15.828	0.000	-2.208	0.924	973.5	1447.4	498.0	81.6	1.007	1.076	1.000	-0.152	1.076	-0.001	0.004	0.19	-0.03
20	16.161	0.000	-2.208	0.926	975.4	1447.6	499.1	81.6	1.017	1.082	1.000	-0.166	1.082	-0.000	0.006	0.31	-0.02
21	16.494	0.000	-2.208	0.928	977.5	1448.2	500.5	81.7	1.024	1.087	0.999	-0.175	1.087	-0.001	0.009	0.46	-0.03
24	16.827	0.000	-2.208	0.925	974.7	1447.1	498.6	81.5	0.999	1.067	0.999	-0.136	1.067	-0.000	0.010	0.56	-0.00
25	17.160	0.000	-2.208	0.924	973.6	1448.7	498.6	81.4	0.967	1.040	0.999	-0.082	1.040	0.000	0.011	0.60	0.02
26	17.493	0.000	-2.208	0.926	975.2	1448.5	499.4	81.5	0.952	1.024	0.999	-0.049	1.024	0.001	0.012	0.67	0.04
27	17.826	0.000	-2.208	0.928	977.2	1448.4	500.5	81.6	0.940	1.011	0.999	-0.023	1.011	0.001	0.011	0.65	0.04
28	18.159	0.000	-2.208	0.928	977.0	1448.4	500.4	81.5	0.929	1.002	0.999	-0.005	1.002	0.001	0.010	0.57	0.03
29	18.492	0.000	-2.208	0.928	977.2	1448.4	500.5	81.6	0.923	0.995	0.999	0.008	0.995	0.001	0.008	0.49	0.04
30	18.825	0.000	-2.208	0.929	978.7	1449.4	501.7	81.5	0.921	0.993	0.999	0.013	0.993	0.001	0.007	0.40	0.04
32	19.158	0.000	-2.208	0.928	977.5	1448.2	500.5	81.7	0.920	0.993	0.999	0.014	0.993	0.001	0.006	0.33	0.04
33	19.491	0.000	-2.208	0.927	976.6	1447.7	499.9	81.6	0.918	0.992	0.999	0.015	0.992	0.001	0.005	0.27	0.05

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	665	2.998	0.00	21	910	0.02	2-21-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	-0.750	-2.208	0.924	974.0	1448.4	498.6	81.7	0.928	1.004	1.000	-0.007	1.004	-0.001	-0.007	-0.38	-0.05
2	11.167	-0.750	-2.208	0.927	976.4	1448.3	500.0	81.7	0.921	0.995	0.999	0.009	0.995	0.001	-0.012	-0.67	0.05
3	12.500	-0.750	-2.208	0.930	979.2	1449.1	501.8	81.7	0.940	1.010	0.999	-0.021	1.009	0.002	-0.013	-0.71	0.14
4	13.833	-0.750	-2.208	0.922	972.6	1447.8	497.5	81.7	0.964	1.038	1.000	-0.077	1.038	0.003	-0.009	-0.47	0.15
5	15.166	-0.750	-2.208	0.927	976.3	1450.2	500.5	81.7	0.990	1.058	0.999	-0.118	1.058	0.002	-0.002	-0.13	0.11
6	16.499	-0.750	-2.208	0.926	975.6	1449.6	499.9	81.7	1.019	1.084	0.999	-0.170	1.084	-0.002	0.010	0.51	-0.12
7	17.832	-0.750	-2.208	0.929	978.2	1449.5	501.4	81.7	0.939	1.010	0.999	-0.021	1.010	-0.003	0.012	0.71	-0.18
9	19.165	-0.750	-2.208	0.927	976.8	1449.0	500.4	81.8	0.918	0.992	1.000	0.016	0.992	0.000	0.006	0.32	0.02
11	20.498	-0.750	-2.208	0.927	976.7	1449.5	500.5	81.8	0.925	0.998	1.000	0.004	0.998	0.001	0.003	0.17	0.04

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	666	2.993	0.00	21	911	0.02	2-21-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	-2.750	-1.230	0.922	972.0	1447.3	497.0	81.7	0.910	0.989	1.000	0.021	0.989	-0.007	-0.011	-0.66	-0.42
2	11.833	-2.750	-1.230	0.924	974.2	1447.5	498.4	81.7	0.910	0.986	1.000	0.026	0.986	-0.008	-0.030	-1.75	-0.48
3	13.166	-2.750	-1.230	0.928	977.7	1449.1	500.9	81.8	0.943	1.014	0.999	-0.029	1.013	0.003	-0.031	-1.74	0.18
4	14.499	-2.750	-1.230	0.922	972.3	1449.1	497.8	81.7	0.973	1.047	0.999	-0.096	1.047	0.008	-0.016	-0.90	0.46
5	15.832	-2.750	-1.230	0.927	976.6	1448.7	500.2	81.7	1.022	1.085	0.999	-0.173	1.085	0.008	0.002	0.11	0.44
6	17.165	-2.750	-1.230	0.926	976.3	1449.4	500.2	81.8	0.992	1.060	0.999	-0.120	1.059	-0.002	0.034	1.82	-0.11
7	18.498	-2.750	-1.230	0.927	977.0	1450.2	500.9	81.8	0.898	0.973	0.999	0.053	0.973	0.002	0.012	0.69	0.14
10	19.831	-2.750	-1.230	0.928	977.5	1450.2	501.1	81.9	0.915	0.989	0.999	0.022	0.989	0.004	0.003	0.16	0.24

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	673	3.004	2.00	21	901	1.99	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
8	10.500	4.250	-1.230	0.929	979.2	1449.6	501.8	82.0	0.920	0.991	0.999	0.017	0.991	0.009	0.033	1.93	0.54
9	11.166	4.250	-1.230	0.928	978.1	1450.3	501.5	82.0	0.913	0.986	0.999	0.027	0.985	0.014	0.031	1.82	0.83
10	11.832	4.250	-1.230	0.925	975.5	1449.7	499.7	82.1	0.903	0.980	0.999	0.039	0.979	0.022	0.028	1.63	1.26
11	12.498	4.250	-1.230	0.926	976.1	1449.6	500.1	82.0	0.898	0.974	1.000	0.053	0.973	0.030	0.020	1.17	1.76
12	13.164	4.250	-1.230	0.928	977.8	1450.5	501.4	82.0	0.898	0.972	0.999	0.055	0.972	0.033	0.006	0.34	1.94
13	13.830	4.250	-1.230	0.927	977.2	1449.6	500.7	82.0	0.909	0.983	0.999	0.033	0.982	0.025	-0.005	-0.31	1.48
14	14.496	4.250	-1.230	0.925	975.4	1449.7	499.7	82.0	0.925	0.999	0.999	0.000	0.999	0.017	-0.006	-0.37	0.95
15	15.162	4.250	-1.230	0.929	978.3	1450.5	501.6	82.0	0.949	1.019	0.999	-0.039	1.019	0.009	-0.002	-0.13	0.52
16	15.828	4.250	-1.230	0.927	976.9	1449.4	500.4	82.0	0.969	1.038	0.999	-0.077	1.038	0.004	0.007	0.38	0.25
17	16.494	4.250	-1.230	0.927	977.0	1450.3	500.8	82.0	1.002	1.068	1.000	-0.136	1.068	0.001	0.018	0.99	0.08
18	17.160	4.250	-1.230	0.928	978.2	1450.9	501.7	82.0	1.032	1.093	0.999	-0.188	1.092	0.004	0.039	2.04	0.19
19	17.826	4.250	-1.230	0.929	978.8	1450.1	501.8	82.0	0.929	1.000	0.999	-0.002	0.999	0.009	0.040	2.29	0.52
20	18.492	4.250	-1.230	0.927	977.3	1450.2	500.9	82.0	0.899	0.974	0.999	0.051	0.974	0.010	0.028	1.64	0.58
22	19.158	4.250	-1.230	0.928	978.0	1451.7	501.8	82.1	0.905	0.979	0.999	0.040	0.979	0.011	0.021	1.20	0.64
23	19.824	4.250	-1.230	0.928	977.6	1449.4	500.8	82.0	0.913	0.986	0.999	0.026	0.986	0.011	0.019	1.08	0.67

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	676	2.998	2.00	21	904	2.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-2.730	0.925	975.2	1449.5	499.4	82.1	0.917	0.993	1.000	0.014	0.993	0.009	0.028	1.62	0.51
2	10.833	3.500	-2.730	0.925	975.6	1450.2	499.9	82.0	0.915	0.990	0.999	0.019	0.990	0.010	0.026	1.51	0.55
3	11.166	3.500	-2.730	0.926	975.6	1448.0	499.2	82.0	0.911	0.987	1.000	0.026	0.987	0.011	0.024	1.40	0.62
4	11.499	3.500	-2.730	0.926	975.9	1450.2	500.1	82.0	0.910	0.985	0.999	0.028	0.985	0.012	0.022	1.28	0.69
5	11.832	3.500	-2.730	0.923	973.3	1450.2	498.6	82.0	0.908	0.986	0.999	0.026	0.985	0.013	0.019	1.12	0.77
6	12.165	3.500	-2.730	0.923	973.6	1449.8	498.6	82.0	0.906	0.984	0.999	0.030	0.984	0.014	0.017	0.98	0.81
7	12.498	3.500	-2.730	0.924	974.1	1450.0	499.0	82.0	0.908	0.986	0.999	0.027	0.986	0.014	0.015	0.85	0.83
8	12.831	3.500	-2.730	0.925	974.8	1449.7	499.3	82.0	0.911	0.987	0.999	0.024	0.987	0.014	0.012	0.71	0.82
9	13.164	3.500	-2.730	0.924	974.7	1448.9	499.0	82.0	0.914	0.990	1.000	0.020	0.990	0.014	0.010	0.60	0.80
10	13.497	3.500	-2.730	0.927	976.7	1450.0	500.5	82.0	0.919	0.993	0.999	0.012	0.993	0.013	0.009	0.50	0.74
11	13.830	3.500	-2.730	0.925	975.3	1450.0	499.7	82.0	0.923	0.998	0.999	0.002	0.998	0.012	0.008	0.47	0.70
12	14.163	3.500	-2.730	0.925	975.0	1449.3	499.2	82.2	0.928	1.003	1.000	-0.006	1.003	0.011	0.008	0.47	0.61
13	14.496	3.500	-2.730	0.927	976.8	1450.9	500.8	82.1	0.936	1.009	0.999	-0.018	1.009	0.010	0.009	0.51	0.55
14	14.829	3.500	-2.730	0.924	974.7	1449.7	499.2	82.1	0.940	1.015	0.999	-0.030	1.015	0.008	0.010	0.55	0.48
15	15.162	3.500	-2.730	0.925	975.6	1450.6	500.0	82.1	0.946	1.019	0.999	-0.040	1.019	0.007	0.011	0.64	0.41
16	15.495	3.500	-2.730	0.928	978.0	1450.9	501.6	82.0	0.956	1.025	0.999	-0.053	1.025	0.007	0.013	0.75	0.37
17	15.828	3.500	-2.730	0.926	975.6	1449.9	499.9	82.0	0.961	1.033	0.999	-0.067	1.033	0.005	0.015	0.84	0.30
18	16.161	3.500	-2.730	0.926	976.2	1450.2	500.2	82.1	0.967	1.038	1.000	-0.076	1.038	0.005	0.019	1.03	0.26
19	16.494	3.500	-2.730	0.926	975.6	1449.2	499.6	82.0	0.974	1.044	0.999	-0.089	1.044	0.004	0.024	1.30	0.25
20	16.827	3.500	-2.730	0.928	977.9	1451.4	501.7	82.1	0.989	1.055	1.000	-0.112	1.055	0.005	0.028	1.54	0.28
21	17.160	3.500	-2.730	0.927	976.9	1449.6	500.5	82.1	0.975	1.044	0.999	-0.088	1.043	0.006	0.033	1.80	0.35
22	17.493	3.500	-2.730	0.926	975.9	1449.4	499.9	82.0	0.954	1.025	1.000	-0.052	1.025	0.007	0.034	1.90	0.39
23	17.826	3.500	-2.730	0.928	978.0	1450.0	501.3	82.0	0.940	1.011	0.999	-0.023	1.010	0.008	0.034	1.90	0.45
24	18.159	3.500	-2.730	0.929	978.3	1449.3	501.2	82.0	0.929	1.000	1.000	-0.001	1.000	0.008	0.031	1.77	0.43
25	18.492	3.500	-2.730	0.928	977.9	1451.4	501.7	82.0	0.921	0.994	0.999	0.011	0.993	0.008	0.028	1.64	0.47
26	18.825	3.500	-2.730	0.926	976.3	1449.1	499.9	82.1	0.917	0.991	1.000	0.017	0.991	0.008	0.026	1.50	0.45
27	19.158	3.500	-2.730	0.926	976.2	1449.9	500.2	82.0	0.916	0.990	0.999	0.018	0.990	0.006	0.024	1.41	0.46
28	19.491	3.500	-2.730	0.928	977.5	1448.9	500.6	82.0	0.918	0.991	1.000	0.018	0.990	0.008	0.023	1.32	0.47

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	674	3.000	2.00	21	902	1.99	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.980	0.924	974.1	1450.5	499.2	82.0	0.915	0.992	0.999	0.015	0.991	0.010	0.030	1.74	0.57
2	10.833	3.500	-1.980	0.924	974.5	1449.3	499.0	82.0	0.909	0.986	0.999	0.027	0.986	0.012	0.027	1.58	0.70
3	11.166	3.500	-1.980	0.925	975.2	1450.4	499.7	82.1	0.906	0.982	0.999	0.034	0.982	0.014	0.025	1.44	0.82
4	11.499	3.500	-1.980	0.925	975.7	1449.5	499.7	82.1	0.904	0.980	0.999	0.039	0.980	0.016	0.022	1.27	0.96
5	11.832	3.500	-1.980	0.926	975.8	1449.8	499.8	82.1	0.902	0.979	1.000	0.043	0.978	0.019	0.018	1.08	1.09
6	12.165	3.500	-1.980	0.927	977.2	1450.6	501.0	82.0	0.903	0.978	0.999	0.043	0.977	0.020	0.015	0.87	1.17
7	12.498	3.500	-1.980	0.927	977.1	1449.1	500.5	82.0	0.903	0.978	1.000	0.044	0.977	0.021	0.011	0.64	1.22
8	12.831	3.500	-1.980	0.927	977.0	1450.2	500.8	82.0	0.906	0.980	0.999	0.039	0.980	0.020	0.007	0.41	1.16
9	13.164	3.500	-1.980	0.924	974.2	1449.7	499.0	82.0	0.908	0.985	1.000	0.029	0.985	0.018	0.004	0.24	1.06
10	13.497	3.500	-1.980	0.924	974.6	1449.2	499.0	82.0	0.913	0.989	1.000	0.021	0.989	0.017	0.003	0.15	0.97
11	13.830	3.500	-1.980	0.926	976.0	1450.4	500.2	82.1	0.921	0.996	1.000	0.008	0.995	0.015	0.002	0.10	0.85
12	14.163	3.500	-1.980	0.928	978.4	1451.5	501.9	82.2	0.930	1.001	0.998	-0.005	1.001	0.012	0.001	0.06	0.71
13	14.496	3.500	-1.980	0.929	978.9	1449.9	501.7	82.1	0.938	1.009	0.999	-0.018	1.009	0.011	0.002	0.13	0.62
14	14.829	3.500	-1.980	0.925	975.7	1449.5	499.7	82.1	0.944	1.017	1.000	-0.034	1.017	0.009	0.004	0.23	0.49
15	15.162	3.500	-1.980	0.927	977.0	1449.7	500.5	82.1	0.953	1.024	1.000	-0.048	1.024	0.007	0.007	0.38	0.42
16	15.495	3.500	-1.980	0.925	975.0	1450.5	499.6	82.1	0.959	1.032	0.999	-0.065	1.032	0.006	0.010	0.55	0.33
17	15.828	3.500	-1.980	0.926	975.7	1449.4	499.7	82.0	0.964	1.035	0.999	-0.072	1.035	0.005	0.013	0.71	0.26
18	16.161	3.500	-1.980	0.928	977.5	1450.8	501.3	82.0	0.981	1.049	0.999	-0.098	1.048	0.004	0.017	0.92	0.21
19	16.494	3.500	-1.980	0.926	976.0	1450.1	500.1	82.1	0.988	1.057	0.999	-0.115	1.056	0.003	0.023	1.25	0.17
20	16.827	3.500	-1.980	0.927	977.1	1449.4	500.6	82.0	1.003	1.068	1.000	-0.137	1.068	0.004	0.031	1.64	0.22
21	17.160	3.500	-1.980	0.930	979.3	1450.5	502.2	82.0	0.999	1.063	0.999	-0.127	1.062	0.007	0.036	1.96	0.35
22	17.493	3.500	-1.980	0.928	978.0	1449.4	501.1	82.0	0.963	1.032	0.999	-0.064	1.031	0.008	0.038	2.10	0.45
23	17.826	3.500	-1.980	0.925	975.1	1450.2	499.7	82.0	0.934	1.008	1.000	-0.016	1.008	0.009	0.036	2.04	0.49
24	18.159	3.500	-1.980	0.926	976.4	1449.8	500.3	82.0	0.918	0.993	0.999	0.013	0.992	0.009	0.033	1.88	0.52
25	18.492	3.500	-1.980	0.926	976.2	1449.7	500.1	82.0	0.911	0.986	1.000	0.027	0.986	0.009	0.028	1.63	0.55
26	18.825	3.500	-1.980	0.926	976.3	1450.5	500.4	82.1	0.909	0.984	0.999	0.030	0.984	0.009	0.025	1.46	0.53
27	19.158	3.500	-1.980	0.928	977.9	1450.7	501.4	82.1	0.911	0.984	1.000	0.031	0.984	0.009	0.022	1.29	0.54
28	19.491	3.500	-1.980	0.926	976.4	1450.9	500.7	82.0	0.913	0.987	0.999	0.024	0.987	0.009	0.020	1.18	0.53

DATE 9-MAR-78 PROJECT NO P41C-N0C
APO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	675	2.995	2.00	21	903	2.00	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SKL
3	10.500	3.500	-1.230	0.923	973.6	1448.9	498.3	82.1	0.910	0.987	1.000	0.024	0.987	0.011	0.033	1.93	0.66
4	10.833	3.500	-1.230	0.924	974.7	1450.0	499.4	82.0	0.905	0.982	0.999	0.034	0.981	0.014	0.031	1.79	0.82
5	11.166	3.500	-1.230	0.925	975.5	1449.8	499.7	82.1	0.901	0.977	0.999	0.044	0.977	0.018	0.028	1.67	1.07
6	11.499	3.500	-1.230	0.925	975.0	1448.7	499.1	82.0	0.896	0.973	1.000	0.054	0.972	0.023	0.025	1.45	1.33
7	11.832	3.500	-1.230	0.926	976.1	1449.6	500.0	82.1	0.893	0.969	1.000	0.061	0.969	0.027	0.019	1.11	1.59
8	12.165	3.500	-1.230	0.927	977.1	1451.0	501.1	82.1	0.891	0.966	0.999	0.065	0.966	0.029	0.012	0.70	1.72
9	12.498	3.500	-1.230	0.927	976.6	1450.1	500.5	82.0	0.889	0.965	0.999	0.068	0.965	0.030	0.003	0.18	1.76
10	12.831	3.500	-1.230	0.927	977.2	1449.5	500.6	82.1	0.894	0.969	1.000	0.062	0.968	0.028	-0.003	-0.21	1.67
11	13.164	3.500	-1.230	0.924	974.6	1449.2	499.0	82.0	0.899	0.976	1.000	0.047	0.976	0.024	-0.008	-0.47	1.41
12	13.497	3.500	-1.230	0.926	976.1	1451.0	500.5	82.0	0.908	0.983	0.999	0.032	0.983	0.020	-0.010	-0.60	1.16
13	13.830	3.500	-1.230	0.927	976.6	1449.8	500.4	82.0	0.917	0.991	0.999	0.016	0.991	0.016	-0.010	-0.59	0.92
14	14.163	3.500	-1.230	0.925	975.4	1449.7	499.7	81.9	0.927	1.001	0.999	-0.003	1.001	0.013	-0.009	-0.50	0.72
15	14.496	3.500	-1.230	0.926	975.6	1450.9	500.2	82.0	0.936	1.010	0.999	-0.022	1.010	0.010	-0.007	-0.36	0.55
16	14.829	3.500	-1.230	0.927	976.9	1450.3	500.8	82.0	0.945	1.016	0.998	-0.035	1.016	0.007	-0.004	-0.22	0.40
17	15.162	3.500	-1.230	0.925	975.6	1449.5	499.7	82.0	0.956	1.028	1.000	-0.056	1.028	0.005	0.000	0.01	0.29
18	15.495	3.500	-1.230	0.928	977.8	1450.6	501.4	82.0	0.965	1.034	0.999	-0.070	1.034	0.004	0.005	0.26	0.24
19	15.828	3.500	-1.230	0.925	974.8	1449.7	499.3	82.0	0.972	1.043	0.999	-0.087	1.043	0.003	0.009	0.48	0.16
20	16.161	3.500	-1.230	0.926	976.4	1450.1	500.4	82.0	0.987	1.055	0.999	-0.111	1.055	0.002	0.014	0.76	0.10
21	16.494	3.500	-1.230	0.928	977.8	1449.7	501.1	81.9	1.012	1.075	0.999	-0.152	1.075	0.001	0.022	1.17	0.05
23	16.827	3.500	-1.230	0.927	977.0	1449.9	500.7	82.0	1.034	1.096	1.000	-0.193	1.096	0.002	0.034	1.76	0.10
24	17.160	3.500	-1.230	0.925	975.2	1450.3	499.7	82.0	1.015	1.082	0.999	-0.165	1.081	0.006	0.042	2.22	0.30
25	17.493	3.500	-1.230	0.927	977.1	1450.9	501.1	82.0	0.965	1.034	0.999	-0.071	1.033	0.008	0.044	2.44	0.46
26	17.826	3.500	-1.230	0.928	978.2	1450.1	501.4	82.0	0.927	0.999	0.999	0.001	0.998	0.010	0.040	2.29	0.56
27	18.159	3.500	-1.230	0.926	976.4	1449.6	500.2	82.0	0.905	0.980	1.000	0.039	0.979	0.010	0.033	1.95	0.56
28	18.492	3.500	-1.230	0.927	976.6	1450.3	500.6	82.0	0.897	0.973	0.999	0.053	0.972	0.010	0.027	1.60	0.58
29	18.825	3.500	-1.230	0.928	977.4	1450.3	501.0	82.0	0.898	0.973	0.999	0.051	0.973	0.010	0.023	1.36	0.57
30	19.158	3.500	-1.230	0.927	976.9	1450.1	500.6	82.1	0.902	0.977	0.999	0.044	0.977	0.009	0.020	1.19	0.55
31	19.491	3.500	-1.230	0.926	976.6	1450.2	500.5	82.1	0.907	0.982	0.999	0.035	0.982	0.009	0.018	1.06	0.55

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	677	3.003	2.00	21	905	2.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-1.230	0.928	978.0	1450.1	501.3	82.1	0.908	0.981	0.999	0.035	0.981	0.013	0.031	1.79	0.78
2	11.166	2.750	-1.230	0.928	977.6	1450.0	501.1	82.0	0.892	0.967	1.000	0.065	0.967	0.023	0.022	1.28	1.34
3	11.832	2.750	-1.230	0.926	975.9	1450.5	500.2	82.0	0.884	0.961	0.999	0.077	0.961	0.027	0.004	0.25	1.60
4	12.498	2.750	-1.230	0.928	977.7	1451.0	501.5	82.0	0.893	0.968	0.999	0.062	0.968	0.021	-0.009	-0.51	1.26
5	13.164	2.750	-1.230	0.926	975.7	1449.7	499.8	82.0	0.907	0.983	0.999	0.033	0.983	0.013	-0.012	-0.71	0.78
6	13.830	2.750	-1.230	0.927	977.2	1449.8	500.8	82.0	0.924	0.997	0.999	0.005	0.997	0.009	-0.009	-0.54	0.51
7	14.496	2.750	-1.230	0.926	975.9	1451.0	500.4	82.1	0.940	1.013	0.999	-0.028	1.013	0.006	-0.005	-0.29	0.31
8	15.162	2.750	-1.230	0.928	977.8	1449.5	501.0	82.0	0.961	1.030	0.999	-0.062	1.030	0.004	0.002	0.13	0.20
10	15.828	2.750	-1.230	0.922	972.9	1450.1	498.3	82.0	0.972	1.046	0.999	-0.093	1.045	0.002	0.011	0.63	0.13
11	16.494	2.750	-1.230	0.925	974.9	1449.6	499.3	82.1	1.008	1.076	0.999	-0.153	1.075	0.002	0.026	1.39	0.11
12	17.160	2.750	-1.230	0.927	977.2	1450.6	501.0	82.1	1.009	1.074	0.999	-0.149	1.073	0.009	0.042	2.24	0.47
13	17.826	2.750	-1.230	0.928	977.9	1449.7	501.0	82.1	0.923	0.996	1.000	0.008	0.995	0.011	0.039	2.25	0.65
14	18.492	2.750	-1.230	0.928	977.8	1450.8	501.4	82.0	0.900	0.974	0.999	0.050	0.974	0.009	0.027	1.61	0.55
15	19.158	2.750	-1.230	0.929	978.5	1450.4	501.7	82.0	0.904	0.977	0.999	0.044	0.977	0.009	0.020	1.19	0.51
16	19.824	2.750	-1.230	0.928	977.3	1448.9	500.6	81.8	0.912	0.985	1.000	0.029	0.985	0.009	0.017	1.01	0.50

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	678	3.001	2.00	21	906	2.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.750	-2.208	0.926	975.8	1450.1	500.1	82.0	0.923	0.998	0.999	0.003	0.998	0.006	0.019	1.09	0.36
2	10.500	0.750	-2.208	0.927	977.3	1451.1	501.2	82.1	0.910	0.984	0.998	0.029	0.984	0.005	0.015	0.88	0.32
3	11.166	0.750	-2.208	0.927	976.8	1448.9	500.2	82.1	0.902	0.977	1.000	0.045	0.977	0.004	0.010	0.56	0.24
4	11.832	0.750	-2.208	0.924	974.4	1448.9	498.8	81.9	0.901	0.978	0.999	0.043	0.978	0.002	0.005	0.28	0.13
5	12.498	0.750	-2.208	0.925	975.2	1449.8	499.6	82.0	0.908	0.984	1.000	0.031	0.984	0.002	0.002	0.12	0.09
6	13.164	0.750	-2.208	0.925	974.8	1450.8	499.7	82.0	0.917	0.993	0.999	0.012	0.993	0.001	0.001	0.08	0.06
7	13.830	0.750	-2.208	0.926	976.4	1449.8	500.3	82.0	0.928	1.002	0.999	-0.005	1.002	0.001	0.003	0.15	0.05
8	14.496	0.750	-2.208	0.925	975.1	1449.2	499.3	82.1	0.942	1.016	1.000	-0.032	1.016	0.002	0.004	0.25	0.09
9	15.162	0.750	-2.208	0.926	976.0	1451.4	500.6	82.0	0.958	1.030	0.999	-0.061	1.030	0.002	0.007	0.41	0.13
10	15.828	0.750	-2.208	0.927	977.3	1450.6	501.0	82.1	0.972	1.041	0.998	-0.085	1.041	0.003	0.012	0.64	0.15
11	16.494	0.750	-2.208	0.927	977.5	1451.1	501.3	82.1	0.987	1.054	0.999	-0.110	1.054	0.005	0.018	0.98	0.27
12	17.160	0.750	-2.208	0.927	976.8	1449.3	500.3	82.0	0.969	1.038	1.000	-0.077	1.038	0.008	0.022	1.23	0.46
13	17.826	0.750	-2.208	0.927	977.2	1449.3	500.6	82.0	0.934	1.006	0.999	-0.015	1.006	0.008	0.022	1.27	0.47
15	18.492	0.750	-2.208	0.928	978.3	1449.7	501.3	82.0	0.921	0.993	0.999	0.012	0.993	0.006	0.019	1.07	0.36
18	19.158	0.750	-2.208	0.926	976.4	1450.3	500.4	82.1	0.916	0.991	0.999	0.017	0.990	0.005	0.015	0.89	0.30
19	19.824	0.750	-2.208	0.929	978.3	1449.5	501.3	82.0	0.918	0.990	1.000	0.019	0.990	0.004	0.014	0.80	0.24

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	681	2,977	2.00	21	909	2,01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M'	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9,834	0,000	-3,708	0,921	970,2	1434,1	492,3	80,0	0,922	1,001	1,000	-0,002	1,001	-0,001	0,023	1,33	-0,07
2	10,167	0,000	-3,708	0,922	970,9	1434,5	492,8	80,0	0,918	0,996	0,999	0,006	0,996	-0,001	0,022	1,28	-0,07
3	10,500	0,000	-3,708	0,923	971,7	1434,4	493,3	80,0	0,915	0,993	0,999	0,013	0,992	-0,001	0,021	1,19	-0,06
4	10,833	0,000	-3,708	0,923	972,0	1433,8	493,2	80,1	0,913	0,990	0,999	0,018	0,990	-0,001	0,019	1,10	-0,08
5	11,166	0,000	-3,708	0,924	972,9	1438,1	495,2	80,1	0,913	0,989	0,999	0,020	0,989	-0,001	0,017	1,00	-0,07
6	11,499	0,000	-3,708	0,924	972,8	1440,9	496,1	80,2	0,911	0,988	0,999	0,022	0,988	-0,001	0,016	0,90	-0,08
7	11,832	0,000	-3,708	0,925	973,3	1441,4	496,6	80,1	0,911	0,987	0,999	0,024	0,987	-0,001	0,014	0,82	-0,08
8	12,165	0,000	-3,708	0,925	973,9	1446,9	498,7	80,2	0,913	0,988	0,999	0,021	0,988	-0,001	0,013	0,73	-0,05
9	12,498	0,000	-3,708	0,925	973,6	1444,2	497,7	80,2	0,913	0,989	1,000	0,022	0,989	-0,001	0,012	0,70	-0,06
10	12,831	0,000	-3,708	0,926	974,7	1445,3	498,6	80,4	0,916	0,991	0,999	0,017	0,991	-0,001	0,011	0,63	-0,05
11	13,164	0,000	-3,708	0,928	976,1	1446,3	499,7	80,4	0,921	0,994	0,999	0,010	0,994	-0,001	0,011	0,62	-0,05
12	13,497	0,000	-3,708	0,928	976,1	1444,1	498,9	80,5	0,925	0,997	1,000	0,005	0,997	-0,001	0,010	0,60	-0,04
13	13,830	0,000	-3,708	0,930	978,4	1452,3	503,0	80,6	0,933	1,002	0,998	-0,007	1,002	-0,001	0,010	0,59	-0,04
14	14,163	0,000	-3,708	0,929	977,2	1447,9	500,8	80,7	0,933	1,004	0,999	-0,011	1,004	-0,001	0,011	0,65	-0,05
15	14,496	0,000	-3,708	0,928	976,9	1447,2	500,3	80,8	0,937	1,008	0,999	-0,017	1,008	-0,001	0,012	0,68	-0,03
16	14,829	0,000	-3,708	0,927	976,3	1448,8	500,4	81,1	0,944	1,015	0,999	-0,031	1,015	-0,001	0,013	0,71	-0,04
17	15,162	0,000	-3,708	0,922	972,0	1447,6	497,4	81,1	0,941	1,018	0,999	-0,036	1,017	-0,001	0,014	0,80	-0,03
18	15,495	0,000	-3,708	0,923	973,0	1446,3	497,5	81,2	0,948	1,023	1,000	-0,046	1,023	-0,000	0,016	0,89	-0,02
19	15,828	0,000	-3,708	0,926	975,8	1448,0	499,7	81,3	0,956	1,027	0,999	-0,056	1,027	-0,001	0,017	0,95	-0,04
20	16,161	0,000	-3,708	0,927	976,3	1447,0	499,6	81,3	0,961	1,031	0,999	-0,064	1,031	-0,001	0,020	1,08	-0,05
21	16,494	0,000	-3,708	0,924	974,0	1447,9	498,6	81,4	0,959	1,032	0,999	-0,064	1,031	-0,001	0,022	1,21	-0,05
22	16,827	0,000	-3,708	0,925	974,8	1446,2	498,4	81,4	0,957	1,029	1,000	-0,058	1,028	-0,001	0,024	1,32	-0,06
23	17,160	0,000	-3,708	0,927	976,6	1448,5	500,3	81,4	0,954	1,025	0,999	-0,050	1,024	-0,001	0,025	1,39	-0,04
24	17,493	0,000	-3,708	0,927	976,8	1447,3	500,0	81,4	0,945	1,016	0,999	-0,033	1,015	-0,000	0,026	1,46	-0,02
25	17,826	0,000	-3,708	0,927	976,1	1448,0	499,8	81,4	0,937	1,010	1,000	-0,020	1,009	-0,001	0,025	1,43	-0,04
26	18,159	0,000	-3,708	0,929	978,0	1448,3	501,0	81,4	0,934	1,005	0,998	-0,012	1,004	-0,001	0,024	1,40	-0,05
27	18,492	0,000	-3,708	0,927	976,5	1447,0	499,7	81,4	0,927	1,000	1,000	0,000	0,999	-0,001	0,024	1,35	-0,04
28	18,825	0,000	-3,708	0,928	977,0	1447,9	500,3	81,4	0,924	0,996	0,999	0,006	0,996	-0,001	0,022	1,28	-0,05
29	19,158	0,000	-3,708	0,929	978,3	1445,9	500,5	81,2	0,923	0,994	1,000	0,012	0,994	-0,001	0,022	1,25	-0,05
30	19,491	0,000	-3,708	0,930	978,5	1445,4	500,4	81,2	0,923	0,994	0,999	0,011	0,994	-0,001	0,020	1,16	-0,05

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	679	2.995	2.00	21	907	2.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.000	-2.958	0.920	970.7	1450.5	497.1	82.0	0.920	1.000	0.999	-0.000	0.999	-0.001	0.021	1.20	-0.06
2	10.167	0.000	-2.958	0.925	975.6	1451.0	500.2	82.0	0.918	0.993	0.999	0.012	0.993	-0.001	0.019	1.12	-0.07
3	10.500	0.000	-2.958	0.926	975.6	1449.4	499.8	81.8	0.913	0.989	0.999	0.020	0.989	-0.001	0.018	1.04	-0.06
4	10.833	0.000	-2.958	0.925	975.3	1448.7	499.4	81.7	0.910	0.986	0.999	0.028	0.985	-0.001	0.016	0.95	-0.08
5	11.166	0.000	-2.958	0.927	976.7	1448.3	499.9	82.0	0.908	0.983	0.999	0.032	0.983	-0.001	0.014	0.84	-0.05
6	11.499	0.000	-2.958	0.927	976.6	1447.9	499.8	82.0	0.908	0.982	1.000	0.035	0.982	-0.001	0.012	0.71	-0.06
7	11.832	0.000	-2.958	0.927	976.9	1448.2	500.1	81.9	0.909	0.983	0.999	0.033	0.983	-0.001	0.011	0.61	-0.06
8	12.165	0.000	-2.958	0.926	975.8	1446.3	498.9	81.7	0.910	0.985	0.999	0.029	0.985	-0.001	0.009	0.52	-0.06
9	12.498	0.000	-2.958	0.925	974.9	1445.0	497.9	81.7	0.911	0.987	0.999	0.025	0.987	-0.001	0.008	0.45	-0.05
10	12.831	0.000	-2.958	0.926	975.8	1445.1	498.4	81.7	0.914	0.989	0.999	0.021	0.989	-0.001	0.007	0.40	-0.04
11	13.164	0.000	-2.958	0.927	976.3	1444.2	498.6	81.5	0.919	0.993	0.999	0.013	0.993	-0.001	0.007	0.38	-0.05
12	13.497	0.000	-2.958	0.929	977.9	1445.5	500.0	81.4	0.924	0.996	0.999	0.006	0.996	-0.001	0.007	0.40	-0.03
13	13.830	0.000	-2.958	0.929	978.4	1444.8	500.1	81.3	0.930	1.001	0.999	-0.003	1.001	-0.000	0.007	0.39	-0.01
14	14.163	0.000	-2.958	0.926	975.2	1444.9	498.3	81.2	0.933	1.007	0.999	-0.015	1.007	-0.000	0.007	0.43	-0.02
15	14.496	0.000	-2.958	0.927	975.9	1444.7	498.6	81.2	0.937	1.010	0.999	-0.022	1.010	-0.001	0.009	0.50	-0.03
16	14.829	0.000	-2.958	0.924	973.5	1445.5	497.6	81.1	0.942	1.017	0.999	-0.035	1.017	-0.000	0.010	0.57	-0.02
17	15.162	0.000	-2.958	0.926	974.7	1445.3	498.3	80.9	0.948	1.020	0.999	-0.043	1.020	-0.000	0.012	0.65	-0.01
18	15.495	0.000	-2.958	0.927	975.9	1446.0	499.3	80.8	0.957	1.028	0.999	-0.057	1.028	-0.000	0.013	0.73	-0.00
19	15.828	0.000	-2.958	0.925	974.0	1443.8	497.5	80.7	0.960	1.032	0.999	-0.066	1.032	-0.001	0.015	0.82	-0.03
20	16.161	0.000	-2.958	0.926	975.2	1445.0	498.6	80.7	0.968	1.038	1.000	-0.078	1.038	-0.001	0.017	0.93	-0.04
21	16.494	0.000	-2.958	0.927	975.9	1444.6	498.9	80.7	0.974	1.042	0.999	-0.086	1.042	-0.001	0.019	1.07	-0.04
22	16.827	0.000	-2.958	0.927	976.2	1444.2	498.9	80.7	0.965	1.034	0.999	-0.070	1.034	-0.001	0.022	1.21	-0.04
23	17.160	0.000	-2.958	0.926	975.0	1444.9	498.5	80.7	0.956	1.028	0.999	-0.056	1.027	-0.000	0.023	1.26	-0.01
24	17.493	0.000	-2.958	0.928	976.9	1444.0	499.2	80.7	0.946	1.017	0.999	-0.034	1.016	-0.000	0.024	1.35	-0.01
25	17.826	0.000	-2.958	0.929	977.5	1445.9	500.2	80.8	0.938	1.009	0.999	-0.020	1.009	-0.000	0.023	1.30	-0.01
28	18.159	0.000	-2.958	0.927	975.8	1444.4	498.8	80.7	0.930	1.002	0.999	-0.006	1.002	-0.000	0.022	1.25	-0.01
29	18.492	0.000	-2.958	0.928	977.1	1445.2	499.7	80.8	0.924	0.996	0.999	0.006	0.996	-0.000	0.021	1.19	-0.01
30	18.825	0.000	-2.958	0.929	977.3	1445.2	499.9	80.7	0.922	0.994	0.999	0.011	0.994	-0.000	0.019	1.12	-0.02
31	19.158	0.000	-2.958	0.928	976.8	1444.3	499.3	80.7	0.920	0.993	1.000	0.014	0.992	-0.000	0.018	1.06	-0.00
32	19.491	0.000	-2.958	0.929	977.5	1445.1	500.0	80.7	0.921	0.992	0.999	0.014	0.992	-0.000	0.017	1.00	-0.02

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	680	2.996	2.00	21	908	2.02	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.000	-2.208	0.924	972.9	1444.2	497.0	80.7	0.919	0.995	0.999	0.008	0.995	-0.001	0.015	0.67	-0.06
2	10.167	0.000	-2.208	0.924	973.4	1444.2	497.3	80.7	0.914	0.990	0.999	0.018	0.990	-0.001	0.014	0.79	-0.07
3	10.500	0.000	-2.208	0.925	974.1	1444.4	497.7	80.7	0.908	0.985	0.999	0.030	0.984	-0.001	0.012	0.70	-0.07
4	10.833	0.000	-2.208	0.926	974.4	1444.6	498.0	80.6	0.903	0.980	0.999	0.038	0.980	-0.001	0.011	0.62	-0.08
5	11.166	0.000	-2.208	0.926	974.4	1444.3	498.0	80.6	0.902	0.979	0.999	0.042	0.979	-0.001	0.009	0.50	-0.08
6	11.499	0.000	-2.208	0.927	975.4	1444.9	498.8	80.4	0.903	0.978	0.999	0.043	0.977	-0.001	0.006	0.37	-0.08
7	11.832	0.000	-2.208	0.927	975.7	1444.1	498.7	80.4	0.904	0.979	0.999	0.042	0.979	-0.001	0.005	0.26	-0.06
8	12.165	0.000	-2.208	0.928	976.5	1444.6	499.3	80.5	0.906	0.980	0.999	0.038	0.980	-0.001	0.003	0.18	-0.06
9	12.498	0.000	-2.208	0.929	977.5	1445.0	500.0	80.6	0.911	0.984	0.999	0.031	0.984	-0.001	0.002	0.11	-0.06
12	12.831	0.000	-2.208	0.928	977.0	1444.4	499.5	80.6	0.915	0.988	0.999	0.023	0.988	-0.001	0.002	0.10	-0.08
13	13.164	0.000	-2.208	0.921	969.9	1444.9	495.6	80.5	0.914	0.994	0.999	0.011	0.994	-0.001	0.002	0.11	-0.05
14	13.497	0.000	-2.208	0.921	970.6	1444.4	495.8	80.5	0.919	0.998	0.999	0.003	0.998	-0.001	0.003	0.16	-0.05
15	13.830	0.000	-2.208	0.923	971.6	1444.5	496.4	80.5	0.926	1.003	0.999	-0.008	1.003	-0.001	0.003	0.19	-0.05
16	14.163	0.000	-2.208	0.923	972.4	1444.5	496.9	80.5	0.932	1.008	1.000	-0.017	1.008	-0.001	0.004	0.21	-0.03
17	14.496	0.000	-2.208	0.925	974.0	1444.9	498.0	80.4	0.941	1.014	0.999	-0.030	1.014	-0.001	0.005	0.29	-0.04
18	14.829	0.000	-2.208	0.925	974.1	1444.1	497.8	80.5	0.949	1.021	0.999	-0.044	1.021	-0.000	0.006	0.34	-0.03
19	15.162	0.000	-2.208	0.923	972.1	1440.3	495.4	80.4	0.952	1.026	1.000	-0.053	1.026	-0.000	0.008	0.43	-0.02
20	15.495	0.000	-2.208	0.925	973.7	1437.6	495.4	80.2	0.963	1.035	1.000	-0.070	1.035	-0.000	0.010	0.53	-0.01
21	15.828	0.000	-2.208	0.928	975.7	1436.9	496.4	80.1	0.974	1.042	0.999	-0.086	1.042	-0.000	0.011	0.58	-0.02
22	16.161	0.000	-2.208	0.929	977.3	1435.6	496.8	80.2	0.984	1.050	0.999	-0.101	1.050	-0.000	0.013	0.70	-0.02
23	16.494	0.000	-2.208	0.928	976.0	1434.3	495.6	80.3	0.989	1.056	0.999	-0.113	1.056	-0.000	0.015	0.81	-0.02
24	16.827	0.000	-2.208	0.924	972.7	1431.3	492.7	80.1	0.972	1.043	0.999	-0.088	1.043	-0.000	0.017	0.94	-0.02
25	17.160	0.000	-2.208	0.924	972.9	1432.3	493.3	80.0	0.958	1.031	0.999	-0.063	1.031	0.000	0.018	0.99	0.00
26	17.493	0.000	-2.208	0.927	975.0	1432.8	494.6	80.1	0.946	1.018	0.999	-0.038	1.018	0.000	0.019	1.06	0.01
27	17.826	0.000	-2.208	0.927	974.8	1432.1	494.3	80.0	0.933	1.006	0.999	-0.015	1.006	-0.000	0.018	1.02	-0.01
28	18.159	0.000	-2.208	0.927	975.1	1431.4	494.2	80.1	0.926	0.999	0.999	0.000	0.999	-0.000	0.017	0.96	-0.00
29	18.492	0.000	-2.208	0.928	976.2	1432.3	495.1	80.1	0.921	0.994	0.999	0.011	0.994	0.000	0.015	0.89	0.01
30	18.825	0.000	-2.208	0.926	974.1	1432.6	494.0	80.1	0.916	0.991	0.999	0.016	0.991	-0.000	0.014	0.83	-0.00
31	19.158	0.000	-2.208	0.928	975.9	1433.0	495.2	80.0	0.916	0.989	0.999	0.019	0.989	-0.000	0.013	0.77	-0.00
32	19.491	0.000	-2.208	0.927	975.7	1431.8	494.6	80.1	0.917	0.990	0.999	0.019	0.990	0.000	0.012	0.71	0.02

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	682	2.996	2.00	21	910	2.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	-0.750	-2.208	0.924	973.7	1447.0	498.0	81.5	0.921	0.997	1.000	0.006	0.997	-0.009	0.020	1.14	-0.52
2	11.167	-0.750	-2.208	0.926	975.8	1447.8	499.6	81.4	0.902	0.977	1.000	0.045	0.977	-0.007	0.010	0.61	-0.38
3	12.500	-0.750	-2.208	0.929	978.4	1448.5	501.3	81.4	0.910	0.982	0.999	0.033	0.982	-0.004	0.003	0.18	-0.24
5	13.833	-0.750	-2.208	0.925	974.3	1448.5	498.8	81.5	0.928	1.003	0.999	-0.009	1.003	-0.002	0.003	0.20	-0.14
6	15.166	-0.750	-2.208	0.927	976.1	1448.9	500.0	81.5	0.957	1.028	0.999	-0.059	1.028	-0.003	0.008	0.43	-0.15
7	16.499	-0.750	-2.208	0.927	976.4	1448.5	500.1	81.5	0.988	1.055	0.999	-0.112	1.055	-0.006	0.018	0.96	-0.34
9	17.832	-0.750	-2.208	0.928	977.7	1448.5	500.8	81.6	0.934	1.005	0.999	-0.013	1.005	-0.008	0.021	1.19	-0.47
12	19.165	-0.750	-2.208	0.926	975.6	1448.5	499.6	81.6	0.915	0.990	0.999	0.018	0.990	-0.005	0.015	0.85	-0.27
14	20.498	-0.750	-2.208	0.928	977.4	1448.5	500.6	81.6	0.924	0.997	0.999	0.005	0.997	-0.004	0.012	0.70	-0.24

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	683	3.001	2.00	21	911	2.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	-2.750	-1.230	0.926	976.1	1448.9	499.9	81.7	0.906	0.982	0.999	0.035	0.981	-0.017	0.032	1.89	-0.97
2	11.833	-2.750	-1.230	0.926	975.9	1447.5	499.4	81.7	0.881	0.958	0.999	0.083	0.957	-0.027	0.005	0.30	-1.64
3	13.166	-2.750	-1.230	0.925	975.0	1447.7	499.0	81.5	0.905	0.981	0.999	0.037	0.981	-0.015	-0.011	-0.66	-0.89
4	14.499	-2.750	-1.230	0.927	976.5	1448.1	500.1	81.4	0.941	1.012	0.999	-0.026	1.012	-0.006	-0.005	-0.31	-0.31
6	15.832	-2.750	-1.230	0.926	975.8	1447.5	499.4	81.5	0.981	1.049	0.999	-0.100	1.049	-0.003	0.010	0.57	-0.16
7	17.165	-2.750	-1.230	0.929	978.0	1447.7	500.8	81.4	0.994	1.059	0.999	-0.120	1.059	-0.012	0.040	2.17	-0.65
10	18.498	-2.750	-1.230	0.929	978.1	1447.9	500.8	81.7	0.898	0.972	0.999	0.055	0.972	-0.009	0.022	1.32	-0.56
13	19.831	-2.750	-1.230	0.927	977.0	1447.1	499.9	81.6	0.914	0.987	1.000	0.025	0.987	-0.008	0.013	0.77	-0.44

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	684	3.005	5.00	21	901	5.00	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
6	10.500	4.250	-1.230	0.929	978.8	1449.7	501.7	81.9	0.906	0.979	0.999	0.040	0.975	0.017	0.092	5.40	1.00
7	11.166	4.250	-1.230	0.927	976.7	1449.1	500.3	81.8	0.893	0.968	1.000	0.062	0.964	0.027	0.089	5.25	1.58
8	11.832	4.250	-1.230	0.925	974.8	1449.5	499.4	81.7	0.877	0.955	0.999	0.088	0.951	0.039	0.083	5.00	2.37
9	12.498	4.250	-1.230	0.926	975.9	1449.1	500.0	81.6	0.861	0.939	0.998	0.120	0.934	0.058	0.073	4.46	3.53
10	13.164	4.250	-1.230	0.927	977.0	1447.4	499.9	81.7	0.851	0.929	0.999	0.140	0.926	0.065	0.047	2.90	4.01
11	13.830	4.250	-1.230	0.926	976.2	1449.1	500.0	81.9	0.862	0.940	0.999	0.118	0.938	0.058	0.027	1.62	3.33
12	14.496	4.250	-1.230	0.928	977.5	1448.4	500.6	81.7	0.884	0.959	0.999	0.080	0.958	0.046	0.018	1.09	2.76
14	15.162	4.250	-1.230	0.928	977.4	1446.0	500.5	81.6	0.909	0.983	0.999	0.033	0.982	0.036	0.018	1.06	2.15
15	15.828	4.250	-1.230	0.925	975.1	1447.8	499.0	81.7	0.929	1.003	1.000	-0.007	1.003	0.030	0.023	1.33	1.72
16	16.494	4.250	-1.230	0.929	978.6	1449.1	501.5	81.7	0.960	1.028	0.999	-0.058	1.027	0.025	0.033	1.83	1.41
18	17.160	4.250	-1.230	0.927	976.4	1448.9	500.1	81.7	1.004	1.070	0.999	-0.141	1.068	0.029	0.054	2.87	1.57
19	17.826	4.250	-1.230	0.929	978.8	1448.0	501.2	81.7	0.932	1.002	0.999	-0.006	1.000	0.036	0.055	3.16	2.04
20	18.492	4.250	-1.230	0.930	979.0	1448.8	501.6	81.7	0.901	0.973	0.999	0.052	0.972	0.037	0.044	2.59	2.19
23	19.158	4.250	-1.230	0.927	977.1	1449.0	500.5	81.8	0.904	0.976	0.999	0.042	0.977	0.038	0.037	2.18	2.22
24	19.824	4.250	-1.230	0.930	979.5	1450.0	502.2	81.9	0.912	0.984	0.999	0.031	0.982	0.039	0.034	2.00	2.26

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	687	3.000	5.00	21	904	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-2.730	0.924	974.2	1449.7	499.1	81.8	0.901	0.978	0.999	0.043	0.975	0.018	0.061	4.76	1.05
2	10.833	3.500	-2.730	0.925	974.6	1447.2	498.5	81.7	0.896	0.973	0.999	0.052	0.970	0.019	0.078	4.61	1.14
3	11.166	3.500	-2.730	0.925	974.9	1448.4	499.1	81.7	0.891	0.969	0.999	0.061	0.965	0.022	0.075	4.45	1.29
4	11.499	3.500	-2.730	0.926	975.9	1448.6	499.7	81.8	0.888	0.964	0.999	0.069	0.961	0.025	0.071	4.24	1.47
5	11.832	3.500	-2.730	0.926	976.4	1448.3	499.8	81.9	0.884	0.961	0.999	0.077	0.958	0.026	0.067	4.03	1.58
6	12.165	3.500	-2.730	0.927	976.6	1450.0	500.5	81.9	0.883	0.959	0.999	0.080	0.957	0.029	0.063	3.74	1.72
7	12.498	3.500	-2.730	0.928	977.3	1451.4	501.4	81.9	0.882	0.957	0.999	0.083	0.955	0.030	0.058	3.50	1.81
8	12.831	3.500	-2.730	0.928	977.2	1448.6	500.5	81.7	0.882	0.957	0.999	0.084	0.955	0.031	0.054	3.23	1.84
9	13.164	3.500	-2.730	0.925	975.0	1447.3	498.8	81.7	0.882	0.960	1.000	0.079	0.958	0.031	0.050	2.99	1.84
10	13.497	3.500	-2.730	0.926	976.1	1450.0	500.2	81.9	0.886	0.962	0.999	0.073	0.961	0.030	0.046	2.76	1.81
11	13.830	3.500	-2.730	0.924	974.0	1449.0	498.7	81.9	0.888	0.967	1.000	0.067	0.965	0.030	0.044	2.59	1.76
12	14.163	3.500	-2.730	0.926	975.6	1450.5	500.1	81.8	0.894	0.970	0.999	0.058	0.969	0.028	0.041	2.44	1.68
13	14.496	3.500	-2.730	0.926	976.1	1448.6	499.8	81.8	0.899	0.975	0.999	0.049	0.974	0.027	0.040	2.34	1.60
14	14.829	3.500	-2.730	0.925	974.9	1449.7	499.4	81.9	0.905	0.982	0.999	0.035	0.981	0.026	0.039	2.27	1.51
15	15.162	3.500	-2.730	0.926	975.6	1450.3	500.1	81.9	0.912	0.987	0.999	0.024	0.986	0.025	0.038	2.23	1.44
16	15.495	3.500	-2.730	0.928	977.8	1451.0	501.6	81.9	0.919	0.992	0.998	0.014	0.991	0.023	0.039	2.27	1.33
17	15.828	3.500	-2.730	0.929	978.4	1450.0	501.6	81.9	0.929	1.000	0.999	-0.001	0.999	0.022	0.041	2.35	1.28
20	16.161	3.500	-2.730	0.923	972.8	1449.7	498.2	81.8	0.930	1.007	0.999	-0.016	1.006	0.022	0.044	2.48	1.25
21	16.494	3.500	-2.730	0.923	973.7	1449.3	498.6	81.9	0.939	1.014	1.000	-0.029	1.013	0.022	0.046	2.61	1.22
22	16.827	3.500	-2.730	0.926	976.0	1449.2	499.9	81.9	0.948	1.020	0.999	-0.041	1.018	0.022	0.050	2.80	1.24
23	17.160	3.500	-2.730	0.926	976.1	1449.6	500.1	81.9	0.951	1.022	1.000	-0.045	1.021	0.023	0.053	2.99	1.31
24	17.493	3.500	-2.730	0.927	977.0	1449.7	500.6	81.9	0.942	1.014	0.999	-0.029	1.012	0.025	0.055	3.12	1.39
25	17.826	3.500	-2.730	0.928	977.9	1449.0	501.0	81.8	0.935	1.007	0.999	-0.014	1.005	0.026	0.056	3.16	1.46
26	18.159	3.500	-2.730	0.928	977.4	1450.0	501.0	81.9	0.925	0.998	0.999	0.003	0.996	0.026	0.053	3.05	1.50
27	18.492	3.500	-2.730	0.929	978.6	1449.9	501.6	81.9	0.918	0.990	0.999	0.018	0.988	0.026	0.051	2.95	1.49
28	18.825	3.500	-2.730	0.928	977.8	1450.9	501.6	81.9	0.916	0.989	0.999	0.020	0.988	0.026	0.049	2.83	1.52
29	19.158	3.500	-2.730	0.927	976.7	1449.1	500.2	82.0	0.913	0.988	0.999	0.024	0.986	0.026	0.048	2.76	1.50
30	19.491	3.500	-2.730	0.927	977.3	1449.4	500.7	81.9	0.914	0.988	0.999	0.023	0.987	0.026	0.045	2.64	1.52

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	685	2.996	5.00	21	902	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.980	0.923	973.1	1448.5	498.0	81.8	0.897	0.976	0.999	0.047	0.972	0.020	0.086	5.07	1.17
2	10.833	3.500	-1.980	0.924	974.1	1450.2	499.1	81.9	0.891	0.969	0.999	0.060	0.966	0.024	0.083	4.88	1.40
3	11.166	3.500	-1.980	0.925	974.8	1450.3	499.6	81.9	0.883	0.961	0.999	0.075	0.958	0.028	0.079	4.71	1.69
4	11.499	3.500	-1.980	0.925	974.6	1448.7	498.9	81.8	0.877	0.956	0.999	0.087	0.952	0.032	0.074	4.46	1.92
5	11.832	3.500	-1.980	0.926	975.5	1450.7	500.2	81.8	0.873	0.951	0.999	0.096	0.948	0.036	0.068	4.13	2.15
6	12.165	3.500	-1.980	0.925	975.3	1447.0	498.3	81.7	0.869	0.947	0.999	0.104	0.945	0.039	0.062	3.75	2.35
7	12.498	3.500	-1.980	0.926	976.0	1448.4	499.6	81.8	0.867	0.945	0.999	0.108	0.943	0.041	0.055	3.31	2.47
8	12.831	3.500	-1.980	0.927	977.1	1449.7	500.8	81.8	0.869	0.945	0.999	0.108	0.943	0.041	0.047	2.88	2.47
9	13.164	3.500	-1.980	0.927	977.1	1448.9	500.5	81.8	0.871	0.948	0.999	0.103	0.946	0.040	0.041	2.50	2.41
10	13.497	3.500	-1.980	0.928	978.0	1449.4	501.2	81.8	0.876	0.952	0.999	0.095	0.950	0.039	0.036	2.20	2.33
11	13.830	3.500	-1.980	0.929	978.8	1448.9	501.5	81.7	0.884	0.958	0.999	0.083	0.957	0.036	0.033	1.97	2.18
13	14.163	3.500	-1.980	0.927	976.7	1446.8	499.6	81.7	0.891	0.966	1.000	0.067	0.965	0.034	0.030	1.77	2.01
14	14.496	3.500	-1.980	0.928	977.4	1447.7	500.3	81.7	0.897	0.972	1.000	0.056	0.971	0.032	0.029	1.72	1.87
15	14.829	3.500	-1.980	0.927	976.5	1449.6	500.4	81.7	0.904	0.979	0.999	0.039	0.978	0.030	0.029	1.70	1.73
16	15.162	3.500	-1.980	0.925	975.1	1448.5	499.3	81.7	0.911	0.987	0.999	0.023	0.986	0.027	0.030	1.75	1.55
17	15.495	3.500	-1.980	0.926	976.2	1448.8	499.9	81.8	0.920	0.994	0.999	0.010	0.994	0.025	0.031	1.80	1.43
18	15.828	3.500	-1.980	0.928	977.3	1450.0	501.0	81.8	0.932	1.004	1.000	-0.009	1.004	0.024	0.033	1.90	1.35
19	16.161	3.500	-1.980	0.926	975.5	1447.7	499.2	81.7	0.939	1.012	1.000	-0.025	1.012	0.023	0.037	2.08	1.29
20	16.494	3.500	-1.980	0.927	976.5	1449.8	500.4	81.9	0.950	1.021	0.999	-0.045	1.020	0.022	0.042	2.34	1.24
21	16.827	3.500	-1.980	0.928	977.8	1449.9	501.2	81.8	0.964	1.033	0.999	-0.067	1.031	0.023	0.047	2.61	1.25
22	17.160	3.500	-1.980	0.927	976.6	1449.0	500.3	81.7	0.962	1.032	0.999	-0.066	1.031	0.025	0.053	2.92	1.40
23	17.493	3.500	-1.980	0.927	976.7	1449.4	500.4	81.8	0.949	1.020	0.999	-0.042	1.018	0.027	0.055	3.10	1.53
24	17.826	3.500	-1.980	0.928	977.2	1448.8	500.6	81.7	0.931	1.003	0.999	-0.007	1.001	0.029	0.054	3.10	1.63
26	18.159	3.500	-1.980	0.926	975.8	1448.5	499.6	81.8	0.916	0.991	0.999	0.018	0.989	0.029	0.051	2.93	1.67
27	18.492	3.500	-1.980	0.928	977.8	1448.7	500.9	81.7	0.910	0.983	0.999	0.032	0.982	0.029	0.047	2.75	1.68
28	18.825	3.500	-1.980	0.928	977.9	1449.6	501.2	81.7	0.909	0.982	0.999	0.034	0.981	0.029	0.044	2.57	1.70
29	19.158	3.500	-1.980	0.930	979.1	1447.4	501.2	81.7	0.910	0.981	0.999	0.036	0.980	0.029	0.042	2.48	1.70
31	19.491	3.500	-1.980	0.929	978.4	1449.8	501.6	81.8	0.912	0.985	0.999	0.030	0.983	0.029	0.040	2.33	1.70

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	686	2.999	5.00	21	903	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.230	0.922	972.5	1450.3	498.3	81.8	0.892	0.972	0.999	0.054	0.967	0.023	0.093	5.48	1.34
2	10.833	3.500	-1.230	0.925	974.7	1448.8	499.0	81.8	0.886	0.964	0.999	0.069	0.959	0.028	0.092	5.45	1.67
3	11.166	3.500	-1.230	0.925	974.9	1449.7	499.4	81.9	0.877	0.955	0.999	0.087	0.951	0.035	0.088	5.30	2.14
4	11.499	3.500	-1.230	0.926	975.5	1448.9	499.6	81.7	0.867	0.945	0.999	0.108	0.941	0.043	0.082	5.00	2.63
5	11.832	3.500	-1.230	0.927	976.6	1450.0	500.5	81.8	0.858	0.935	0.999	0.127	0.931	0.052	0.073	4.45	3.21
6	12.165	3.500	-1.230	0.927	976.3	1448.9	500.0	81.8	0.850	0.928	0.999	0.142	0.924	0.058	0.061	3.78	3.57
7	12.498	3.500	-1.230	0.927	976.4	1448.2	499.8	81.8	0.845	0.923	1.000	0.152	0.920	0.060	0.047	2.91	3.72
8	12.831	3.500	-1.230	0.926	976.0	1449.4	500.0	81.8	0.847	0.925	0.999	0.147	0.923	0.058	0.034	2.11	3.62
9	13.164	3.500	-1.230	0.925	975.2	1448.4	499.2	81.8	0.851	0.930	0.999	0.138	0.928	0.055	0.024	1.47	3.36
10	13.497	3.500	-1.230	0.927	976.5	1450.0	500.5	81.9	0.861	0.939	0.999	0.120	0.938	0.049	0.016	1.09	2.99
11	13.830	3.500	-1.230	0.927	977.2	1449.1	500.6	81.9	0.873	0.949	1.000	0.100	0.948	0.044	0.014	0.85	2.63
12	14.163	3.500	-1.230	0.928	977.4	1449.9	501.0	81.8	0.885	0.960	0.999	0.079	0.959	0.039	0.013	0.80	2.31
13	14.496	3.500	-1.230	0.928	977.3	1449.9	500.9	81.8	0.894	0.969	0.999	0.060	0.968	0.034	0.014	0.81	2.03
14	14.829	3.500	-1.230	0.929	978.2	1449.7	501.4	81.7	0.904	0.977	0.999	0.043	0.977	0.031	0.015	0.87	1.82
16	15.162	3.500	-1.230	0.926	976.2	1449.2	500.1	81.8	0.915	0.990	0.999	0.019	0.989	0.027	0.017	1.00	1.59
17	15.495	3.500	-1.230	0.924	974.0	1450.2	499.1	81.9	0.923	0.999	0.999	0.001	0.998	0.025	0.020	1.17	1.45
18	15.828	3.500	-1.230	0.925	974.7	1448.9	499.1	81.8	0.932	1.007	0.999	-0.015	1.006	0.023	0.024	1.37	1.33
19	16.161	3.500	-1.230	0.926	976.4	1449.2	500.1	81.9	0.945	1.017	0.999	-0.036	1.016	0.022	0.028	1.57	1.23
20	16.494	3.500	-1.230	0.928	978.1	1451.2	501.8	82.0	0.969	1.037	0.999	-0.076	1.036	0.020	0.035	1.93	1.12
21	16.827	3.500	-1.230	0.926	975.7	1448.8	499.6	81.8	0.982	1.051	0.999	-0.104	1.050	0.022	0.045	2.43	1.19
22	17.160	3.500	-1.230	0.928	977.5	1449.4	500.8	81.9	0.989	1.056	0.999	-0.113	1.054	0.026	0.053	2.89	1.40
23	17.493	3.500	-1.230	0.927	976.8	1449.3	500.4	81.9	0.954	1.025	0.999	-0.052	1.023	0.029	0.056	3.13	1.61
24	17.826	3.500	-1.230	0.927	976.9	1449.8	500.6	82.0	0.925	0.999	0.999	0.002	0.997	0.030	0.053	3.02	1.74
25	18.159	3.500	-1.230	0.927	977.1	1448.3	500.3	81.8	0.905	0.979	0.999	0.041	0.978	0.031	0.047	2.74	1.79
27	18.492	3.500	-1.230	0.926	975.9	1449.8	500.0	82.0	0.898	0.974	1.000	0.052	0.973	0.031	0.041	2.43	1.82
28	18.825	3.500	-1.230	0.927	976.6	1450.1	500.6	81.9	0.899	0.974	1.000	0.051	0.973	0.031	0.037	2.20	1.83
29	19.158	3.500	-1.230	0.929	978.8	1450.2	501.9	81.9	0.902	0.975	0.999	0.047	0.974	0.031	0.035	2.09	1.82
30	19.491	3.500	-1.230	0.928	977.7	1449.9	501.1	81.9	0.907	0.981	1.000	0.038	0.980	0.031	0.033	1.94	1.82

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	688	3.001	5.00	21	905	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-1.230	0.925	974.7	1450.5	499.6	81.9	0.884	0.962	0.998	0.072	0.957	0.028	0.091	5.44	1.70
2	11.166	2.750	-1.230	0.924	974.4	1449.4	499.0	81.9	0.856	0.936	0.999	0.125	0.932	0.044	0.076	4.66	2.71
3	11.832	2.750	-1.230	0.925	975.3	1448.5	499.3	81.8	0.839	0.919	0.999	0.160	0.916	0.053	0.049	3.07	3.32
4	12.498	2.750	-1.230	0.927	976.6	1447.3	499.7	81.7	0.844	0.922	1.000	0.154	0.921	0.049	0.025	1.58	3.02
5	13.164	2.750	-1.230	0.927	977.1	1448.7	500.5	81.7	0.862	0.938	0.999	0.121	0.938	0.039	0.013	0.81	2.36
6	13.830	2.750	-1.230	0.927	976.6	1447.8	499.9	81.7	0.882	0.958	0.999	0.082	0.957	0.031	0.010	0.62	1.83
7	14.496	2.750	-1.230	0.926	975.5	1449.5	499.8	81.8	0.900	0.976	0.999	0.046	0.976	0.025	0.013	0.75	1.48
8	15.162	2.750	-1.230	0.927	977.1	1448.4	500.3	81.9	0.920	0.993	0.999	0.013	0.993	0.021	0.019	1.03	1.23
10	15.828	2.750	-1.230	0.927	976.5	1448.8	500.0	81.9	0.940	1.012	0.999	-0.025	1.011	0.019	0.025	1.39	1.05
11	16.494	2.750	-1.230	0.926	976.0	1448.4	499.6	81.9	0.964	1.035	0.999	-0.071	1.034	0.018	0.038	2.08	1.02
12	17.160	2.750	-1.230	0.927	976.7	1449.6	500.5	81.9	0.975	1.044	0.999	-0.088	1.042	0.025	0.053	2.91	1.36
15	17.826	2.750	-1.230	0.927	976.5	1449.9	500.5	81.8	0.920	0.994	0.999	0.011	0.992	0.027	0.051	2.97	1.55
16	18.492	2.750	-1.230	0.928	978.0	1449.1	501.1	81.8	0.899	0.973	0.999	0.053	0.971	0.026	0.040	2.38	1.54
17	19.158	2.750	-1.230	0.929	978.9	1449.0	501.6	81.7	0.903	0.975	1.000	0.049	0.974	0.025	0.034	2.02	1.49
19	19.824	2.750	-1.230	0.928	977.4	1448.7	500.6	81.8	0.912	0.985	1.000	0.029	0.984	0.026	0.030	1.77	1.50

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	689	2.996	5.00	21	906	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.750	-2.208	0.922	972.3	1449.1	497.8	81.8	0.902	0.981	0.999	0.036	0.979	0.019	0.058	3.41	1.14
2	10.500	0.750	-2.208	0.923	973.1	1449.3	498.2	82.0	0.883	0.963	0.999	0.073	0.961	0.018	0.051	3.06	1.06
3	11.166	0.750	-2.208	0.924	973.9	1449.9	498.8	82.0	0.870	0.950	0.999	0.098	0.949	0.016	0.042	2.51	0.95
4	11.832	0.750	-2.208	0.925	975.2	1449.9	499.7	81.9	0.867	0.945	0.999	0.107	0.945	0.013	0.033	1.99	0.79
5	12.498	0.750	-2.208	0.924	974.5	1448.9	498.9	81.9	0.871	0.950	0.999	0.098	0.949	0.011	0.026	1.57	0.67
6	13.164	0.750	-2.208	0.925	975.4	1449.0	499.5	81.8	0.880	0.958	0.999	0.082	0.958	0.010	0.022	1.34	0.57
7	13.830	0.750	-2.208	0.924	974.4	1449.1	498.9	82.0	0.890	0.969	0.999	0.061	0.968	0.009	0.021	1.26	0.52
8	14.496	0.750	-2.208	0.926	976.0	1448.4	499.6	81.9	0.904	0.979	1.000	0.042	0.979	0.009	0.021	1.22	0.50
9	15.162	0.750	-2.208	0.926	975.9	1450.2	500.2	81.9	0.916	0.991	0.999	0.015	0.991	0.009	0.023	1.34	0.52
10	15.828	0.750	-2.208	0.929	978.4	1449.9	501.6	81.8	0.934	1.005	0.999	-0.011	1.004	0.009	0.026	1.48	0.53
11	16.494	0.750	-2.208	0.927	977.2	1449.8	500.8	81.9	0.949	1.019	0.999	-0.040	1.019	0.011	0.030	1.68	0.61
12	17.160	0.750	-2.208	0.927	976.4	1449.6	500.3	81.9	0.940	1.012	0.999	-0.026	1.011	0.013	0.034	1.93	0.75
13	17.826	0.750	-2.208	0.928	977.9	1448.9	500.9	81.9	0.928	1.000	1.000	0.001	0.999	0.014	0.034	1.96	0.81
15	18.492	0.750	-2.208	0.927	977.2	1450.2	500.9	81.9	0.915	0.989	0.999	0.021	0.988	0.013	0.032	1.87	0.75
16	19.158	0.750	-2.208	0.929	978.6	1449.4	501.5	81.8	0.913	0.985	0.999	0.028	0.984	0.012	0.030	1.72	0.70
19	19.824	0.750	-2.208	0.928	977.7	1448.4	500.7	81.7	0.916	0.988	0.999	0.021	0.988	0.011	0.028	1.60	0.66

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REXI0-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	692	2,990	5.00	21	909	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.000	-3.708	0.920	970.9	1447.6	496.3	81.9	0.906	0.986	1.000	0.027	0.984	-0.001	0.066	3.84	-0.08
2	10.167	0.000	-3.708	0.922	972.5	1450.4	498.4	81.7	0.902	0.982	0.999	0.035	0.979	-0.002	0.065	3.77	-0.10
3	10.500	0.000	-3.708	0.923	973.0	1448.7	498.1	81.7	0.897	0.976	0.998	0.046	0.974	-0.001	0.063	3.68	-0.09
4	10.833	0.000	-3.708	0.922	972.7	1448.7	497.8	81.8	0.892	0.972	0.999	0.055	0.970	-0.002	0.060	3.54	-0.10
5	11.166	0.000	-3.708	0.924	974.0	1449.2	498.7	81.9	0.889	0.967	0.999	0.063	0.966	-0.002	0.058	3.42	-0.09
6	11.499	0.000	-3.708	0.924	973.6	1448.5	498.3	81.7	0.885	0.964	0.999	0.070	0.962	-0.002	0.055	3.25	-0.10
7	11.832	0.000	-3.708	0.924	974.3	1448.7	498.7	81.9	0.884	0.963	0.999	0.073	0.961	-0.001	0.052	3.08	-0.08
8	12.165	0.000	-3.708	0.925	974.8	1449.6	499.3	81.9	0.884	0.962	0.999	0.074	0.961	-0.001	0.049	2.93	-0.08
9	12.498	0.000	-3.708	0.926	975.8	1450.9	500.3	82.0	0.886	0.963	0.999	0.072	0.962	-0.001	0.046	2.76	-0.08
10	12.831	0.000	-3.708	0.927	976.8	1451.2	501.0	82.0	0.888	0.964	0.999	0.069	0.963	-0.002	0.044	2.60	-0.09
11	13.164	0.000	-3.708	0.927	976.8	1448.9	500.3	81.9	0.889	0.965	0.999	0.068	0.964	-0.002	0.043	2.53	-0.10
12	13.497	0.000	-3.708	0.927	977.4	1449.2	500.6	82.0	0.894	0.969	1.000	0.062	0.968	-0.001	0.041	2.43	-0.07
13	13.830	0.000	-3.708	0.929	978.6	1451.0	502.0	82.0	0.899	0.972	0.999	0.054	0.971	-0.001	0.040	2.35	-0.08
14	14.163	0.000	-3.708	0.925	975.5	1448.8	499.4	82.0	0.899	0.976	0.999	0.046	0.975	-0.001	0.039	2.31	-0.06
15	14.496	0.000	-3.708	0.926	976.2	1449.6	500.1	82.0	0.904	0.979	0.999	0.040	0.979	-0.002	0.039	2.27	-0.10
16	14.829	0.000	-3.708	0.929	978.2	1450.7	501.7	81.9	0.911	0.984	0.999	0.031	0.983	-0.001	0.037	2.18	-0.07
17	15.162	0.000	-3.708	0.929	978.5	1448.9	501.2	82.0	0.915	0.987	0.999	0.024	0.987	-0.001	0.038	2.22	-0.07
19	15.495	0.000	-3.708	0.923	973.1	1449.3	498.2	82.0	0.916	0.993	0.999	0.012	0.993	-0.002	0.039	2.28	-0.09
20	15.828	0.000	-3.708	0.925	974.7	1450.6	499.6	81.9	0.920	0.995	0.999	0.007	0.995	-0.001	0.040	2.32	-0.06
21	16.161	0.000	-3.708	0.927	976.5	1450.1	500.5	81.9	0.927	1.000	0.998	-0.004	1.000	-0.001	0.042	2.40	-0.05
22	16.494	0.000	-3.708	0.928	977.5	1448.5	500.5	81.9	0.931	1.003	1.000	-0.006	1.002	-0.001	0.043	2.47	-0.05
23	16.827	0.000	-3.708	0.926	976.3	1450.7	500.6	81.9	0.931	1.004	0.999	-0.011	1.003	-0.001	0.045	2.54	-0.05
24	17.160	0.000	-3.708	0.927	977.1	1448.4	500.3	81.9	0.931	1.003	0.999	-0.007	1.002	-0.001	0.046	2.63	-0.06
27	17.493	0.000	-3.708	0.925	975.1	1450.1	499.7	81.8	0.928	1.003	0.999	-0.008	1.002	-0.001	0.046	2.61	-0.04
28	17.826	0.000	-3.708	0.926	975.8	1448.7	499.6	82.0	0.923	0.998	0.999	0.003	0.997	-0.001	0.046	2.62	-0.04
29	18.159	0.000	-3.708	0.928	978.2	1450.7	501.7	82.0	0.923	0.995	0.999	0.008	0.994	-0.001	0.045	2.60	-0.05
32	18.492	0.000	-3.708	0.927	976.9	1450.0	500.6	82.0	0.920	0.994	0.999	0.011	0.993	-0.001	0.044	2.56	-0.05
33	18.825	0.000	-3.708	0.928	978.1	1450.0	501.4	82.0	0.919	0.992	0.999	0.016	0.991	-0.001	0.043	2.51	-0.04
34	19.158	0.000	-3.708	0.928	978.2	1449.3	501.2	82.0	0.917	0.989	0.999	0.019	0.989	-0.000	0.042	2.45	-0.03
35	19.491	0.000	-3.708	0.928	977.6	1450.5	501.3	81.9	0.917	0.990	0.999	0.018	0.990	-0.001	0.041	2.40	-0.04

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	690	2.993	5.00	21	907	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.000	-2.958	0.921	970.9	1448.2	496.7	81.7	0.903	0.984	0.999	0.032	0.982	-0.001	0.059	3.46	-0.03
2	10.167	0.000	-2.958	0.922	972.3	1449.7	497.9	81.9	0.897	0.977	0.999	0.045	0.975	-0.001	0.059	3.44	-0.06
3	10.500	0.000	-2.958	0.922	972.1	1450.5	498.1	81.8	0.891	0.971	0.999	0.056	0.970	-0.001	0.056	3.31	-0.06
4	10.833	0.000	-2.958	0.922	972.1	1448.5	497.5	81.7	0.884	0.965	0.999	0.068	0.963	-0.001	0.053	3.16	-0.07
5	11.166	0.000	-2.958	0.923	972.9	1449.8	498.4	81.8	0.880	0.960	0.999	0.077	0.959	-0.001	0.049	2.94	-0.07
6	11.499	0.000	-2.958	0.923	973.5	1449.4	498.5	81.9	0.877	0.957	0.999	0.085	0.956	-0.001	0.046	2.75	-0.07
7	11.832	0.000	-2.958	0.924	974.0	1449.0	498.7	81.9	0.876	0.955	0.999	0.088	0.954	-0.001	0.043	2.57	-0.08
8	12.165	0.000	-2.958	0.924	974.1	1449.0	498.8	81.8	0.877	0.956	1.000	0.088	0.955	-0.001	0.040	2.38	-0.07
9	12.498	0.000	-2.958	0.925	975.2	1448.2	499.2	81.7	0.878	0.956	0.999	0.085	0.956	-0.001	0.037	2.21	-0.08
10	12.831	0.000	-2.958	0.926	975.4	1448.0	499.3	81.7	0.881	0.959	0.999	0.082	0.958	-0.001	0.035	2.08	-0.09
11	13.164	0.000	-2.958	0.927	976.4	1448.3	499.9	81.7	0.886	0.962	0.999	0.074	0.962	-0.001	0.033	1.99	-0.08
12	13.497	0.000	-2.958	0.927	977.2	1448.0	500.2	81.8	0.890	0.965	0.999	0.068	0.965	-0.001	0.032	1.90	-0.08
13	13.830	0.000	-2.958	0.928	978.1	1450.2	501.5	81.8	0.895	0.969	0.999	0.059	0.969	-0.001	0.031	1.83	-0.07
14	14.163	0.000	-2.958	0.930	979.3	1449.2	501.8	81.8	0.900	0.973	0.999	0.052	0.972	-0.001	0.030	1.79	-0.06
15	14.496	0.000	-2.958	0.926	975.5	1447.9	499.2	81.8	0.903	0.979	0.999	0.041	0.979	-0.001	0.030	1.75	-0.06
16	14.829	0.000	-2.958	0.926	976.3	1449.5	500.2	81.9	0.908	0.983	0.999	0.032	0.983	-0.001	0.030	1.73	-0.06
17	15.162	0.000	-2.958	0.928	977.3	1449.5	500.9	81.7	0.916	0.989	0.999	0.021	0.988	-0.001	0.031	1.78	-0.06
18	15.495	0.000	-2.958	0.926	975.7	1449.9	500.0	81.9	0.920	0.994	0.999	0.009	0.994	-0.001	0.032	1.83	-0.05
19	15.828	0.000	-2.958	0.927	976.5	1449.2	500.2	81.6	0.925	0.998	0.999	0.002	0.998	-0.001	0.033	1.89	-0.05
20	16.161	0.000	-2.958	0.928	978.0	1449.0	501.0	81.9	0.933	1.004	0.999	-0.009	1.004	-0.000	0.035	1.98	-0.01
23	16.494	0.000	-2.958	0.923	973.2	1450.7	498.7	82.0	0.931	1.007	0.999	-0.017	1.007	-0.001	0.037	2.08	-0.03
24	16.827	0.000	-2.958	0.924	974.6	1449.3	499.1	81.9	0.931	1.006	0.999	-0.013	1.005	-0.000	0.038	2.17	-0.03
25	17.160	0.000	-2.958	0.926	976.0	1449.3	499.9	81.9	0.933	1.007	1.000	-0.014	1.006	-0.000	0.039	2.25	-0.01
26	17.493	0.000	-2.958	0.928	978.0	1448.6	500.9	81.9	0.931	1.002	0.999	-0.006	1.002	-0.000	0.040	2.26	-0.01
27	17.826	0.000	-2.958	0.925	975.4	1450.4	499.9	82.0	0.924	0.999	0.999	0.001	0.998	-0.000	0.039	2.24	-0.01
28	18.159	0.000	-2.958	0.926	975.6	1449.4	499.7	82.0	0.918	0.993	0.999	0.013	0.992	-0.000	0.038	2.22	-0.00
29	18.492	0.000	-2.958	0.928	977.3	1449.9	500.9	81.8	0.917	0.990	0.999	0.018	0.989	0.000	0.037	2.16	0.01
30	18.825	0.000	-2.958	0.928	978.0	1449.6	501.2	81.9	0.916	0.989	0.999	0.021	0.988	-0.000	0.036	2.10	-0.01
31	19.158	0.000	-2.958	0.927	977.2	1448.5	500.4	81.8	0.914	0.988	1.000	0.024	0.987	-0.000	0.035	2.06	-0.00
32	19.491	0.000	-2.958	0.930	979.4	1451.2	502.5	82.0	0.917	0.988	0.999	0.022	0.987	-0.000	0.034	1.99	-0.02

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	691	2.994	5.00	21	908	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
3	9.834	0.000	-2.208	0.920	970.7	1448.8	496.7	81.7	0.898	0.979	0.999	0.040	0.978	-0.001	0.047	2.74	-0.07
4	10.167	0.000	-2.208	0.926	976.0	1450.3	500.2	82.0	0.894	0.970	0.999	0.050	0.969	-0.001	0.045	2.64	-0.06
5	10.500	0.000	-2.208	0.926	976.3	1449.2	500.1	81.8	0.885	0.961	0.998	0.073	0.961	-0.001	0.042	2.52	-0.08
6	10.833	0.000	-2.208	0.926	975.9	1448.5	499.7	81.8	0.878	0.955	0.999	0.089	0.954	-0.002	0.039	2.36	-0.09
7	11.166	0.000	-2.208	0.927	976.5	1449.2	500.2	81.8	0.873	0.950	0.999	0.099	0.949	-0.002	0.035	2.14	-0.09
8	11.499	0.000	-2.208	0.927	977.0	1448.5	500.3	81.8	0.870	0.946	0.999	0.105	0.946	-0.002	0.032	1.93	-0.11
9	11.832	0.000	-2.208	0.928	977.9	1450.1	501.3	82.0	0.869	0.945	0.999	0.107	0.945	-0.002	0.029	1.74	-0.10
10	12.165	0.000	-2.208	0.928	977.9	1449.9	501.2	81.9	0.871	0.947	0.999	0.104	0.947	-0.002	0.026	1.56	-0.09
11	12.498	0.000	-2.208	0.925	975.4	1449.4	499.6	82.0	0.872	0.950	0.999	0.098	0.950	-0.002	0.024	1.44	-0.09
12	12.831	0.000	-2.208	0.926	975.8	1449.7	500.0	81.9	0.876	0.954	0.999	0.090	0.953	-0.001	0.022	1.33	-0.09
13	13.164	0.000	-2.208	0.927	976.4	1449.6	500.3	81.8	0.881	0.957	0.999	0.083	0.957	-0.001	0.021	1.24	-0.06
14	13.497	0.000	-2.208	0.927	977.3	1450.2	500.9	82.0	0.888	0.963	0.999	0.072	0.963	-0.001	0.020	1.17	-0.08
15	13.830	0.000	-2.208	0.925	974.6	1449.3	499.2	81.7	0.891	0.969	1.000	0.062	0.969	-0.001	0.018	1.08	-0.06
16	14.163	0.000	-2.208	0.926	976.1	1448.3	499.7	81.8	0.897	0.973	0.999	0.052	0.973	-0.001	0.018	1.05	-0.04
17	14.496	0.000	-2.208	0.927	977.0	1448.9	500.4	81.8	0.904	0.978	0.999	0.043	0.978	-0.001	0.018	1.08	-0.06
18	14.829	0.000	-2.208	0.929	978.8	1450.1	501.9	81.8	0.911	0.984	0.999	0.031	0.983	-0.001	0.019	1.09	-0.04
19	15.162	0.000	-2.208	0.928	977.7	1448.7	500.8	81.7	0.919	0.992	0.999	0.015	0.992	-0.000	0.020	1.14	-0.01
20	15.495	0.000	-2.208	0.924	973.7	1448.2	498.3	81.7	0.919	0.996	0.999	0.007	0.996	-0.001	0.022	1.26	-0.04
21	15.828	0.000	-2.208	0.925	974.9	1448.5	499.1	81.7	0.929	1.003	1.000	-0.007	1.003	-0.001	0.024	1.35	-0.04
22	16.161	0.000	-2.208	0.927	976.9	1447.9	500.1	81.7	0.935	1.007	0.999	-0.016	1.007	-0.000	0.025	1.41	-0.01
23	16.494	0.000	-2.208	0.929	978.6	1449.1	501.4	81.8	0.943	1.012	0.999	-0.027	1.012	-0.000	0.026	1.49	-0.02
24	16.827	0.000	-2.208	0.927	976.7	1450.0	500.7	81.7	0.941	1.013	0.999	-0.027	1.012	-0.000	0.028	1.58	-0.00
25	17.160	0.000	-2.208	0.926	976.2	1450.4	500.4	82.0	0.936	1.009	0.999	-0.020	1.009	0.000	0.029	1.63	0.01
26	17.493	0.000	-2.208	0.928	977.2	1449.1	500.6	81.8	0.930	1.002	0.999	-0.007	1.002	0.000	0.029	1.69	0.01
27	17.826	0.000	-2.208	0.927	976.4	1447.7	499.7	81.8	0.923	0.997	0.999	0.005	0.997	-0.000	0.029	1.67	-0.01
28	18.159	0.000	-2.208	0.924	974.4	1449.0	499.0	81.8	0.916	0.993	0.999	0.014	0.992	0.000	0.028	1.63	0.01
29	18.492	0.000	-2.208	0.927	977.1	1450.7	501.0	81.9	0.913	0.987	0.998	0.024	0.986	0.000	0.027	1.58	0.01
30	18.825	0.000	-2.208	0.929	978.5	1448.8	501.3	81.8	0.913	0.985	0.999	0.028	0.985	0.000	0.026	1.51	0.02
32	19.158	0.000	-2.208	0.928	977.4	1449.1	500.7	81.8	0.912	0.986	0.999	0.027	0.985	0.001	0.025	1.44	0.03
33	19.491	0.000	-2.208	0.926	975.5	1449.1	499.6	81.8	0.911	0.986	0.999	0.026	0.986	-0.000	0.024	1.41	-0.01

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	693	2.999	5.00	21	910	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	-0.750	-2.208	0.925	974.5	1449.0	499.0	81.8	0.903	0.980	0.999	0.039	0.978	-0.022	0.059	3.44	-1.28
2	11.167	-0.750	-2.208	0.927	976.8	1450.0	500.6	81.9	0.872	0.949	0.999	0.100	0.948	-0.019	0.043	2.59	-1.17
3	12.500	-0.750	-2.208	0.929	978.9	1450.2	502.0	81.9	0.873	0.948	0.998	0.101	0.947	-0.014	0.027	1.63	-0.85
4	13.833	-0.750	-2.208	0.928	977.4	1448.7	500.5	81.9	0.892	0.967	0.999	0.065	0.966	-0.011	0.022	1.29	-0.63
5	15.166	-0.750	-2.208	0.926	975.6	1449.8	499.8	81.9	0.914	0.989	0.999	0.020	0.989	-0.010	0.023	1.31	-0.59
6	16.499	-0.750	-2.208	0.925	974.9	1449.7	499.4	81.9	0.937	1.011	0.999	-0.025	1.011	-0.013	0.030	1.72	-0.73
7	17.832	-0.750	-2.208	0.928	977.7	1449.0	500.8	81.9	0.924	0.996	0.999	0.006	0.996	-0.014	0.033	1.88	-0.79
10	19.165	-0.750	-2.208	0.928	977.7	1450.8	501.4	81.9	0.912	0.985	0.999	0.029	0.984	-0.011	0.028	1.63	-0.66
12	20.498	-0.750	-2.208	0.928	977.5	1450.3	501.2	81.9	0.919	0.992	0.999	0.015	0.991	-0.010	0.026	1.49	-0.60

DATE 9-MAR-78 PROJECT NO P41C-N0C
APO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	694	2.998	5.00	21	911	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	-2.750	-1.230	0.925	974.6	1448.2	498.8	81.7	0.881	0.960	0.998	0.078	0.954	-0.031	0.093	5.57	-1.89
2	11.833	-2.750	-1.230	0.926	975.9	1447.5	499.4	81.7	0.836	0.915	0.999	0.167	0.912	-0.056	0.048	3.04	-3.50
3	13.166	-2.750	-1.230	0.927	976.6	1449.2	500.4	81.6	0.859	0.936	0.999	0.124	0.935	-0.040	0.014	0.84	-2.42
4	14.499	-2.750	-1.230	0.927	976.7	1448.3	500.1	81.7	0.897	0.972	0.999	0.054	0.971	-0.025	0.013	0.74	-1.49
5	15.832	-2.750	-1.230	0.928	977.8	1447.5	500.5	81.7	0.939	1.010	0.999	-0.021	1.010	-0.020	0.024	1.38	-1.15
7	17.165	-2.750	-1.230	0.926	976.1	1447.3	499.4	81.8	0.963	1.034	0.999	-0.069	1.032	-0.027	0.053	2.92	-1.51
9	18.498	-2.750	-1.230	0.928	977.4	1449.9	500.9	81.9	0.897	0.971	0.999	0.056	0.970	-0.026	0.035	2.08	-1.56
12	19.831	-2.750	-1.230	0.927	976.9	1450.4	500.9	81.8	0.910	0.984	0.999	0.031	0.983	-0.025	0.026	1.54	-1.46

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	699	2.999	0.00	21	901	0.02	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
7	10.500	4.250	-1.230	0.950	997.3	1436.9	507.7	82.1	0.941	0.992	1.000	0.015	0.992	0.005	-0.006	-0.35	0.28
8	11.166	4.250	-1.230	0.950	997.7	1436.0	507.6	82.1	0.935	0.986	1.000	0.028	0.986	0.009	-0.009	-0.51	0.52
9	11.832	4.250	-1.230	0.951	998.9	1436.2	508.3	82.1	0.933	0.983	1.001	0.034	0.983	0.012	-0.013	-0.78	0.72
10	12.498	4.250	-1.230	0.953	999.8	1435.8	508.7	82.0	0.934	0.984	1.000	0.033	0.983	0.014	-0.021	-1.25	0.82
11	13.164	4.250	-1.230	0.951	998.3	1435.9	508.0	82.0	0.940	0.991	1.000	0.019	0.990	0.010	-0.029	-1.67	0.58
12	13.830	4.250	-1.230	0.954	1000.9	1437.3	509.9	82.0	0.964	1.009	0.999	-0.019	1.009	0.001	-0.031	-1.77	0.03
13	14.496	4.250	-1.230	0.952	999.2	1437.4	509.0	82.0	0.987	1.031	1.000	-0.062	1.031	-0.008	-0.024	-1.34	-0.43
15	15.162	4.250	-1.230	0.949	997.1	1436.8	507.6	82.0	1.011	1.054	1.000	-0.108	1.054	-0.013	-0.016	-0.85	-0.70
16	15.828	4.250	-1.230	0.948	996.0	1436.1	506.7	82.0	1.029	1.071	1.000	-0.142	1.071	-0.015	-0.004	-0.22	-0.79
18	16.494	4.250	-1.230	0.947	994.8	1436.3	506.1	82.0	1.043	1.084	1.000	-0.168	1.084	-0.017	0.012	0.64	-0.90
19	17.160	4.250	-1.230	0.952	999.1	1437.4	508.9	82.0	1.120	1.144	0.999	-0.288	1.143	-0.020	0.042	2.11	-1.02
21	17.826	4.250	-1.230	0.954	1001.1	1435.9	509.5	82.0	0.918	0.968	0.997	0.060	0.967	-0.008	0.034	1.99	-0.46
22	18.492	4.250	-1.230	0.954	1000.7	1438.3	510.1	82.0	0.903	0.955	0.996	0.085	0.954	-0.006	0.022	1.30	-0.49
23	19.158	4.250	-1.230	0.952	999.6	1437.4	509.2	82.0	0.911	0.963	0.997	0.070	0.963	-0.008	0.013	0.76	-0.45
24	19.824	4.250	-1.230	0.953	1000.2	1435.8	509.0	81.8	0.924	0.974	0.998	0.048	0.974	-0.007	0.010	0.57	-0.42

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	702	2.999	0.00	21	904	0.02	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-2.730	0.951	997.9	1435.0	507.6	81.7	0.945	0.995	1.001	0.011	0.995	0.003	-0.008	-0.46	0.15
2	10.833	3.500	-2.730	0.952	998.8	1435.1	508.1	81.7	0.945	0.994	1.000	0.012	0.994	0.003	-0.010	-0.55	0.20
3	11.166	3.500	-2.730	0.952	999.3	1435.3	508.4	81.7	0.943	0.992	1.000	0.017	0.991	0.004	-0.011	-0.63	0.22
4	11.499	3.500	-2.730	0.953	999.8	1434.8	508.5	81.7	0.944	0.992	1.000	0.017	0.992	0.004	-0.013	-0.75	0.25
5	11.832	3.500	-2.730	0.954	1000.8	1436.0	509.5	81.7	0.946	0.993	1.000	0.015	0.993	0.004	-0.015	-0.84	0.24
6	12.165	3.500	-2.730	0.953	1000.3	1434.7	508.8	81.7	0.947	0.995	1.000	0.011	0.995	0.004	-0.016	-0.93	0.23
7	12.499	3.500	-2.730	0.951	998.1	1434.8	507.7	81.6	0.951	1.000	1.000	0.000	1.000	0.003	-0.017	-1.00	0.18
8	12.831	3.500	-2.730	0.952	998.6	1435.2	508.1	81.5	0.954	1.002	1.000	-0.004	1.002	0.003	-0.018	-1.01	0.14
9	13.164	3.500	-2.730	0.953	999.5	1435.2	508.5	81.7	0.962	1.008	1.000	-0.017	1.008	0.001	-0.018	-1.05	0.08
10	13.497	3.500	-2.730	0.953	1000.0	1435.0	508.7	81.7	0.968	1.013	1.001	-0.025	1.013	0.000	-0.018	-1.04	0.00
13	13.830	3.500	-2.730	0.954	1000.8	1434.3	508.9	81.7	0.976	1.019	1.001	-0.037	1.019	-0.001	-0.017	-0.96	-0.06
14	14.163	3.500	-2.730	0.950	997.6	1436.1	507.8	81.7	0.980	1.026	1.000	-0.052	1.026	-0.002	-0.016	-0.88	-0.12
15	14.496	3.500	-2.730	0.952	998.7	1435.8	508.3	81.7	0.987	1.032	1.000	-0.063	1.031	-0.004	-0.014	-0.78	-0.20
16	14.829	3.500	-2.730	0.953	1000.3	1435.6	509.1	81.7	0.996	1.037	1.000	-0.075	1.037	-0.005	-0.012	-0.65	-0.28
17	15.162	3.500	-2.730	0.955	1001.3	1434.7	509.3	81.7	1.005	1.044	1.000	-0.088	1.044	-0.006	-0.009	-0.51	-0.31
18	15.495	3.500	-2.730	0.948	995.3	1435.1	506.2	81.7	1.009	1.054	1.000	-0.109	1.054	-0.007	-0.006	-0.32	-0.36
19	15.828	3.500	-2.730	0.949	995.7	1434.9	506.4	81.5	1.018	1.061	1.000	-0.121	1.061	-0.007	-0.002	-0.11	-0.37
20	16.161	3.500	-2.730	0.950	996.9	1433.9	506.7	81.4	1.026	1.067	1.000	-0.133	1.067	-0.007	0.005	0.24	-0.36
21	16.494	3.500	-2.730	0.952	999.1	1434.6	508.2	81.5	1.043	1.079	1.000	-0.158	1.079	-0.008	0.010	0.55	-0.46
23	16.827	3.500	-2.730	0.945	993.0	1435.3	504.9	81.7	1.048	1.090	1.000	-0.180	1.090	-0.008	0.017	0.92	-0.43
24	17.160	3.500	-2.730	0.947	994.4	1435.1	505.7	81.6	1.047	1.087	1.000	-0.175	1.087	-0.007	0.024	1.27	-0.35
25	17.493	3.500	-2.730	0.949	996.4	1435.2	506.8	81.6	1.009	1.053	1.000	-0.106	1.052	-0.004	0.026	1.40	-0.24
26	17.826	3.500	-2.730	0.952	998.6	1435.4	508.1	81.6	0.960	1.007	0.999	-0.016	1.007	-0.004	0.024	1.35	-0.22
27	18.159	3.500	-2.730	0.953	1000.1	1434.9	508.8	81.5	0.939	0.987	1.000	0.025	0.987	-0.004	0.020	1.17	-0.22
31	18.492	3.500	-2.730	0.948	995.9	1433.8	506.0	81.7	0.931	0.985	1.000	0.030	0.985	-0.004	0.016	0.93	-0.23
32	18.825	3.500	-2.730	0.950	997.0	1434.4	506.9	81.6	0.928	0.980	1.000	0.040	0.980	-0.004	0.013	0.75	-0.24
33	19.158	3.500	-2.730	0.953	999.3	1435.1	508.5	81.4	0.931	0.981	1.000	0.039	0.981	-0.004	0.011	0.63	-0.25
34	19.491	3.500	-2.730	0.952	998.6	1434.2	507.8	81.4	0.932	0.982	1.000	0.034	0.982	-0.004	0.009	0.50	-0.23

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	700	2.997	0.00	21	902	0.02	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.980	0.948	995.6	1435.7	506.4	81.8	0.940	0.993	1.001	0.016	0.993	0.003	-0.008	-0.47	0.20
2	10.833	3.500	-1.980	0.949	996.2	1434.4	506.4	81.8	0.936	0.989	1.000	0.023	0.989	0.005	-0.010	-0.59	0.27
3	11.166	3.500	-1.980	0.949	996.5	1435.6	506.9	81.8	0.935	0.987	1.000	0.026	0.987	0.006	-0.012	-0.72	0.35
4	11.499	3.500	-1.980	0.951	997.8	1436.0	507.8	81.8	0.935	0.986	1.000	0.028	0.986	0.007	-0.015	-0.86	0.40
5	11.832	3.500	-1.980	0.951	998.3	1436.5	508.2	81.8	0.937	0.988	1.000	0.025	0.987	0.007	-0.018	-1.03	0.39
6	12.165	3.500	-1.980	0.952	998.8	1436.5	508.5	81.8	0.941	0.991	1.000	0.019	0.990	0.006	-0.020	-1.17	0.35
7	12.498	3.500	-1.980	0.953	999.8	1436.9	509.1	82.0	0.946	0.994	1.000	0.012	0.994	0.005	-0.022	-1.28	0.29
8	12.831	3.500	-1.980	0.953	1000.1	1436.6	509.2	81.9	0.952	0.999	1.000	0.003	0.998	0.004	-0.023	-1.34	0.21
9	13.164	3.500	-1.980	0.951	998.4	1436.3	508.1	82.0	0.957	1.006	1.000	-0.010	1.005	0.001	-0.024	-1.36	0.09
10	13.497	3.500	-1.980	0.952	999.1	1436.5	508.6	81.9	0.966	1.013	1.000	-0.025	1.012	-0.001	-0.023	-1.31	-0.05
11	13.830	3.500	-1.980	0.953	1000.2	1437.5	509.7	81.8	0.976	1.020	1.000	-0.040	1.020	-0.003	-0.021	-1.21	-0.14
12	14.163	3.500	-1.980	0.952	999.3	1436.7	508.8	81.9	0.983	1.027	1.000	-0.055	1.027	-0.005	-0.020	-1.10	-0.26
13	14.496	3.500	-1.980	0.952	998.9	1436.7	508.5	82.0	0.990	1.034	1.000	-0.067	1.033	-0.006	-0.016	-0.91	-0.34
14	14.829	3.500	-1.980	0.953	1000.0	1436.3	509.2	81.8	1.001	1.042	1.000	-0.084	1.042	-0.008	-0.014	-0.75	-0.42
15	15.162	3.500	-1.980	0.952	999.2	1436.6	508.7	82.0	1.010	1.051	1.001	-0.101	1.051	-0.008	-0.010	-0.55	-0.44
16	15.495	3.500	-1.980	0.950	997.9	1436.8	508.1	82.0	1.017	1.058	1.001	-0.116	1.058	-0.009	-0.006	-0.31	-0.48
17	15.828	3.500	-1.980	0.952	998.9	1436.0	508.3	82.0	1.026	1.065	1.001	-0.128	1.065	-0.009	-0.000	-0.02	-0.50
18	16.161	3.500	-1.980	0.954	1001.4	1437.1	510.1	82.0	1.032	1.068	1.000	-0.137	1.068	-0.009	0.006	0.32	-0.50
19	16.494	3.500	-1.980	0.951	998.6	1435.9	508.1	82.0	1.047	1.083	1.000	-0.166	1.083	-0.010	0.014	0.76	-0.55
20	16.827	3.500	-1.980	0.950	997.5	1436.9	507.9	81.9	1.069	1.103	1.000	-0.206	1.103	-0.012	0.024	1.24	-0.60
21	17.160	3.500	-1.980	0.951	998.6	1435.4	507.9	82.0	1.082	1.113	1.000	-0.226	1.113	-0.010	0.033	1.71	-0.64
22	17.493	3.500	-1.980	0.953	1000.0	1436.3	509.1	81.9	1.039	1.075	1.000	-0.151	1.075	-0.004	0.034	1.80	-0.20
23	17.826	3.500	-1.980	0.952	999.2	1437.5	509.1	81.9	0.941	0.991	0.999	0.018	0.990	-0.003	0.028	1.64	-0.20
24	18.159	3.500	-1.980	0.954	1001.2	1437.3	510.0	82.0	0.924	0.974	0.999	0.051	0.973	-0.004	0.024	1.39	-0.21
25	18.492	3.500	-1.980	0.950	997.4	1434.8	507.2	81.7	0.919	0.972	1.000	0.054	0.972	-0.004	0.019	1.10	-0.26
26	18.825	3.500	-1.980	0.953	999.5	1436.1	508.9	81.7	0.920	0.971	0.999	0.056	0.971	-0.004	0.015	0.89	-0.25
27	19.158	3.500	-1.980	0.950	997.1	1434.9	507.1	81.7	0.921	0.974	1.000	0.051	0.974	-0.004	0.012	0.72	-0.25
28	19.491	3.500	-1.980	0.952	999.4	1436.8	509.0	81.7	0.926	0.976	0.999	0.046	0.976	-0.004	0.010	0.57	-0.25

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	701	3.000	0.00	21	903	0.02	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.230	0.950	997.1	1436.2	507.5	81.8	0.937	0.988	1.000	0.023	0.988	0.006	-0.008	-0.46	0.32
2	10.833	3.500	-1.230	0.950	997.4	1435.4	507.4	81.7	0.932	0.984	1.001	0.033	0.984	0.008	-0.010	-0.59	0.47
3	11.166	3.500	-1.230	0.951	998.1	1435.1	507.6	81.8	0.930	0.981	1.000	0.038	0.981	0.010	-0.013	-0.74	0.61
4	11.499	3.500	-1.230	0.951	998.8	1434.7	507.8	81.9	0.927	0.978	1.000	0.045	0.978	0.012	-0.017	-0.97	0.70
5	11.832	3.500	-1.230	0.953	999.5	1435.0	508.5	81.7	0.928	0.978	1.000	0.044	0.977	0.013	-0.021	-1.21	0.75
6	12.165	3.500	-1.230	0.953	1000.2	1435.2	508.9	81.7	0.931	0.980	1.000	0.041	0.979	0.012	-0.026	-1.53	0.73
8	12.498	3.500	-1.230	0.953	999.9	1435.0	508.7	81.7	0.936	0.985	1.000	0.030	0.984	0.010	-0.031	-1.80	0.59
9	12.831	3.500	-1.230	0.949	995.9	1434.4	506.2	81.7	0.941	0.993	1.000	0.013	0.993	0.006	-0.033	-1.91	0.32
10	13.164	3.500	-1.230	0.948	995.6	1434.0	505.9	81.7	0.949	1.001	1.001	0.000	1.000	0.002	-0.033	-1.91	0.10
11	13.497	3.500	-1.230	0.950	996.9	1435.3	507.1	81.8	0.960	1.009	1.000	-0.018	1.009	-0.003	-0.031	-1.78	-0.17
12	13.830	3.500	-1.230	0.951	998.1	1434.2	507.3	81.9	0.973	1.020	1.000	-0.039	1.019	-0.006	-0.028	-1.55	-0.32
13	14.163	3.500	-1.230	0.951	998.4	1433.7	507.4	81.7	0.985	1.030	1.001	-0.058	1.029	-0.008	-0.024	-1.32	-0.44
14	14.496	3.500	-1.230	0.953	1000.1	1436.0	509.0	81.9	0.996	1.038	1.000	-0.075	1.038	-0.009	-0.020	-1.10	-0.52
15	14.829	3.500	-1.230	0.953	999.9	1435.6	508.9	81.8	1.007	1.048	1.001	-0.094	1.047	-0.011	-0.016	-0.87	-0.61
16	15.162	3.500	-1.230	0.950	997.3	1436.4	507.7	81.7	1.016	1.058	1.000	-0.116	1.057	-0.012	-0.011	-0.58	-0.63
17	15.495	3.500	-1.230	0.952	998.9	1436.2	509.2	81.8	1.028	1.067	0.999	-0.135	1.067	-0.012	-0.006	-0.32	-0.62
18	15.828	3.500	-1.230	0.953	999.8	1435.6	508.8	81.7	1.032	1.069	1.000	-0.138	1.069	-0.012	0.001	0.05	-0.66
19	16.161	3.500	-1.230	0.952	999.0	1435.3	508.3	81.7	1.037	1.074	1.000	-0.149	1.074	-0.012	0.007	0.35	-0.65
20	16.494	3.500	-1.230	0.951	998.4	1435.2	507.9	81.8	1.050	1.086	1.000	-0.171	1.086	-0.013	0.016	0.85	-0.66
21	16.827	3.500	-1.230	0.954	1000.5	1435.4	509.2	81.7	1.096	1.122	1.000	-0.244	1.121	-0.016	0.030	1.56	-0.79
22	17.160	3.500	-1.230	0.953	999.6	1434.8	508.5	81.6	1.116	1.139	0.999	-0.280	1.138	-0.013	0.043	2.14	-0.65
23	17.493	3.500	-1.230	0.952	999.1	1434.8	508.2	81.7	0.972	1.018	0.998	-0.038	1.017	-0.002	0.038	2.14	-0.10
24	17.826	3.500	-1.230	0.954	1000.5	1436.4	509.4	81.8	0.927	0.976	0.998	0.044	0.976	-0.002	0.034	1.98	-0.12
25	18.159	3.500	-1.230	0.952	998.8	1435.1	508.0	81.8	0.909	0.962	0.998	0.073	0.962	-0.003	0.027	1.62	-0.19
26	18.492	3.500	-1.230	0.952	998.6	1435.5	508.2	81.6	0.905	0.958	0.998	0.081	0.958	-0.004	0.022	1.31	-0.25
27	18.825	3.500	-1.230	0.950	997.4	1436.0	507.7	81.6	0.906	0.960	0.998	0.075	0.960	-0.004	0.017	1.02	-0.26
28	19.158	3.500	-1.230	0.952	998.9	1434.8	508.2	81.5	0.912	0.964	0.998	0.068	0.964	-0.005	0.013	0.79	-0.27
29	19.491	3.500	-1.230	0.954	1000.5	1434.9	509.0	81.7	0.918	0.968	0.998	0.060	0.968	-0.005	0.012	0.68	-0.27

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	703	3.001	0.00	21	905	0.02	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-1.230	0.950	996.9	1435.4	507.3	81.4	0.932	0.984	1.000	0.031	0.984	0.006	-0.010	-0.61	0.32
2	11.166	2.750	-1.230	0.951	998.3	1434.8	507.8	81.5	0.923	0.974	1.000	0.052	0.974	0.009	-0.019	-1.14	0.56
3	11.832	2.750	-1.230	0.952	998.8	1434.1	507.9	81.4	0.927	0.978	1.001	0.045	0.977	0.008	-0.030	-1.77	0.44
4	12.498	2.750	-1.230	0.954	1000.2	1433.9	508.6	81.4	0.943	0.991	1.001	0.019	0.990	0.001	-0.034	-1.97	0.07
6	13.164	2.750	-1.230	0.950	996.6	1436.0	507.3	81.5	0.961	1.011	1.000	-0.022	1.010	-0.006	-0.031	-1.74	-0.35
7	13.830	2.750	-1.230	0.951	997.9	1435.6	507.9	81.4	0.982	1.028	0.999	-0.056	1.027	-0.009	-0.024	-1.35	-0.49
8	14.496	2.750	-1.230	0.952	999.3	1434.7	508.3	81.5	1.000	1.042	1.000	-0.084	1.042	-0.010	-0.016	-0.89	-0.53
9	15.162	2.750	-1.230	0.952	998.4	1435.3	508.1	81.4	1.021	1.061	0.999	-0.123	1.061	-0.010	-0.007	-0.40	-0.52
10	15.828	2.750	-1.230	0.954	1000.3	1434.3	508.8	81.4	1.034	1.070	1.000	-0.141	1.070	-0.009	0.003	0.14	-0.47
11	16.494	2.750	-1.230	0.954	1000.3	1434.2	508.7	81.5	1.052	1.085	1.000	-0.171	1.085	-0.007	0.019	0.99	-0.38
12	17.160	2.750	-1.230	0.954	1000.9	1435.3	509.4	81.6	1.078	1.107	0.999	-0.214	1.106	0.001	0.037	1.93	0.06
13	17.826	2.750	-1.230	0.954	1000.9	1434.9	509.2	81.7	0.932	0.981	0.998	0.036	0.980	0.003	0.032	1.67	0.18
15	18.492	2.750	-1.230	0.950	996.6	1432.7	506.2	81.4	0.908	0.963	1.000	0.074	0.963	-0.001	0.021	1.22	-0.04
16	19.158	2.750	-1.230	0.954	1000.6	1435.3	509.2	81.6	0.914	0.965	0.998	0.067	0.964	-0.002	0.014	0.82	-0.14
17	19.824	2.750	-1.230	0.950	996.9	1435.0	507.1	81.4	0.925	0.978	0.999	0.042	0.978	-0.002	0.009	0.54	-0.14

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	704	2.999	0.00	21	906	0.02	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.750	-2.208	0.949	996.4	1435.2	506.9	81.5	0.951	1.001	1.000	-0.003	1.001	-0.002	-0.006	-0.37	-0.13
2	10.500	0.750	-2.208	0.954	1001.0	1436.4	509.8	81.6	0.942	0.989	0.999	0.021	0.989	-0.004	-0.009	-0.50	-0.21
3	11.166	0.750	-2.208	0.952	998.8	1433.6	507.6	81.6	0.938	0.988	1.000	0.024	0.988	-0.005	-0.012	-0.67	-0.30
4	11.832	0.750	-2.208	0.952	998.8	1435.0	508.1	81.6	0.947	0.996	0.999	0.008	0.996	-0.006	-0.013	-0.76	-0.35
5	12.498	0.750	-2.208	0.953	999.8	1436.1	509.1	81.6	0.959	1.006	0.999	-0.013	1.006	-0.007	-0.013	-0.75	-0.37
6	13.164	0.750	-2.208	0.953	1000.0	1433.9	508.4	81.5	0.973	1.017	1.000	-0.034	1.017	-0.007	-0.012	-0.65	-0.37
7	13.830	0.750	-2.208	0.952	998.9	1435.6	508.4	81.5	0.989	1.032	0.999	-0.066	1.032	-0.006	-0.010	-0.56	-0.35
8	14.496	0.750	-2.208	0.951	997.7	1434.2	507.2	81.6	1.001	1.044	1.000	-0.088	1.044	-0.005	-0.007	-0.36	-0.29
9	15.162	0.750	-2.208	0.950	997.2	1433.8	506.8	81.6	1.018	1.060	1.000	-0.120	1.060	-0.004	-0.003	-0.16	-0.20
10	15.828	0.750	-2.208	0.950	997.4	1434.3	507.1	81.6	1.035	1.074	1.000	-0.148	1.074	-0.002	0.004	0.19	-0.11
11	16.494	0.750	-2.208	0.953	999.9	1435.3	508.8	81.7	1.049	1.083	1.000	-0.167	1.083	0.000	0.009	0.48	0.01
12	17.160	0.750	-2.208	0.953	1000.3	1435.3	509.0	81.7	1.054	1.087	0.999	-0.175	1.087	0.005	0.015	0.81	0.25
13	17.826	0.750	-2.208	0.950	996.8	1433.9	506.6	81.7	0.969	1.017	1.000	-0.034	1.017	0.004	0.016	0.91	0.24
14	18.492	0.750	-2.208	0.954	1000.4	1434.3	508.7	81.7	0.941	0.989	1.000	0.022	0.988	0.002	0.013	0.73	0.13
16	19.158	0.750	-2.208	0.950	997.5	1435.4	507.5	81.7	0.933	0.985	1.000	0.030	0.985	0.001	0.009	0.51	0.03
17	19.824	0.750	-2.208	0.952	998.9	1434.9	508.1	81.7	0.938	0.988	1.000	0.024	0.988	-0.000	0.006	0.37	-0.00

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	707	2.998	0.00	21	909	0.02	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
1	9.834	0.000	-3.708	0.951	998.0	1433.4	507.2	81.4	0.956	1.004	1.001	-0.007	1.004	-0.002	-0.006	-0.35	-0.11
2	10.167	0.000	-3.708	0.952	998.9	1434.3	508.0	81.4	0.952	1.000	1.000	0.002	1.000	-0.002	-0.007	-0.40	-0.12
3	10.500	0.000	-3.708	0.953	999.1	1434.2	508.1	81.3	0.949	0.997	1.000	0.006	0.997	-0.002	-0.008	-0.44	-0.13
4	10.833	0.000	-3.708	0.953	1000.1	1434.6	508.7	81.5	0.949	0.996	1.000	0.008	0.996	-0.002	-0.009	-0.50	-0.14
5	11.166	0.000	-3.708	0.950	997.2	1434.0	507.0	81.4	0.946	0.996	1.001	0.009	0.996	-0.002	-0.010	-0.56	-0.14
6	11.499	0.000	-3.708	0.952	999.0	1436.2	508.8	81.4	0.949	0.997	0.999	0.005	0.997	-0.002	-0.010	-0.60	-0.14
7	11.832	0.000	-3.708	0.952	998.6	1433.1	507.5	81.2	0.949	0.997	1.000	0.005	0.997	-0.002	-0.011	-0.64	-0.14
8	12.165	0.000	-3.708	0.952	998.8	1432.6	507.5	81.2	0.952	1.000	1.000	-0.000	1.000	-0.003	-0.012	-0.68	-0.15
9	12.498	0.000	-3.708	0.954	1000.4	1434.2	508.9	81.2	0.959	1.005	1.000	-0.010	1.005	-0.002	-0.012	-0.68	-0.11
10	12.831	0.000	-3.708	0.954	1000.5	1433.0	508.6	81.2	0.963	1.008	1.000	-0.016	1.008	-0.002	-0.012	-0.69	-0.13
11	13.164	0.000	-3.708	0.951	998.0	1433.1	507.2	81.1	0.966	1.013	1.000	-0.026	1.013	-0.002	-0.012	-0.65	-0.13
12	13.497	0.000	-3.708	0.953	999.0	1433.6	508.0	81.1	0.973	1.018	1.000	-0.035	1.018	-0.002	-0.011	-0.61	-0.13
13	13.830	0.000	-3.708	0.954	999.9	1433.9	508.5	81.2	0.978	1.022	1.000	-0.043	1.021	-0.002	-0.010	-0.58	-0.12
14	14.163	0.000	-3.708	0.952	998.6	1435.7	508.3	81.4	0.980	1.025	1.000	-0.051	1.025	-0.002	-0.009	-0.51	-0.10
15	14.496	0.000	-3.708	0.952	998.7	1432.7	507.4	81.3	0.985	1.029	1.000	-0.058	1.029	-0.002	-0.008	-0.43	-0.11
16	14.829	0.000	-3.708	0.950	997.2	1434.3	507.1	81.4	0.990	1.035	1.000	-0.070	1.035	-0.002	-0.006	-0.33	-0.11
17	15.162	0.000	-3.708	0.952	999.0	1435.2	508.4	81.4	0.997	1.040	1.000	-0.080	1.040	-0.001	-0.004	-0.25	-0.08
18	15.495	0.000	-3.708	0.953	1000.1	1434.4	508.7	81.5	1.008	1.048	1.000	-0.095	1.048	-0.001	-0.003	-0.16	-0.06
19	15.828	0.000	-3.708	0.952	998.6	1434.6	507.9	81.6	1.011	1.052	1.000	-0.104	1.052	-0.001	-0.000	-0.01	-0.06
20	16.161	0.000	-3.708	0.953	999.9	1434.9	508.8	81.4	1.026	1.063	1.000	-0.126	1.063	-0.001	0.003	0.14	-0.06
21	16.494	0.000	-3.708	0.951	997.8	1435.1	507.6	81.5	1.030	1.069	1.000	-0.138	1.069	-0.001	0.006	0.31	-0.07
22	16.827	0.000	-3.708	0.954	1000.8	1436.3	509.7	81.5	1.036	1.071	0.999	-0.144	1.071	-0.002	0.010	0.51	-0.09
23	17.160	0.000	-3.708	0.952	999.0	1435.1	508.3	81.5	1.033	1.070	1.000	-0.141	1.070	-0.001	0.013	0.71	-0.08
24	17.493	0.000	-3.708	0.954	1000.7	1435.1	509.2	81.5	1.005	1.044	1.000	-0.089	1.044	-0.001	0.014	0.76	-0.07
25	17.826	0.000	-3.708	0.954	1000.8	1435.5	509.5	81.4	0.976	1.019	0.999	-0.039	1.019	-0.001	0.014	0.81	-0.05
26	18.159	0.000	-3.708	0.952	998.9	1436.0	508.5	81.7	0.959	1.007	1.000	-0.014	1.006	-0.001	0.012	0.67	-0.05
27	18.492	0.000	-3.708	0.953	1000.0	1435.1	508.8	81.6	0.950	0.998	0.999	0.004	0.998	-0.001	0.011	0.61	-0.05
28	18.825	0.000	-3.708	0.955	1001.4	1434.0	509.2	81.6	0.944	0.990	1.000	0.019	0.990	-0.001	0.009	0.54	-0.04
29	19.158	0.000	-3.708	0.954	1000.4	1435.5	509.2	81.6	0.943	0.991	1.000	0.019	0.990	-0.001	0.008	0.45	-0.04
30	19.491	0.000	-3.708	0.952	998.6	1434.8	508.0	81.5	0.941	0.990	0.999	0.019	0.990	-0.001	0.006	0.35	-0.04

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	705	2.998	0.00	21	907	0.02	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.000	-2.958	0.947	994.7	1436.2	506.2	81.7	0.951	1.003	0.999	-0.008	1.003	-0.002	-0.006	-0.33	-0.11
2	10.167	0.000	-2.958	0.951	998.3	1435.7	508.1	81.5	0.950	0.999	1.000	0.003	0.999	-0.002	-0.007	-0.38	-0.12
3	10.500	0.000	-2.958	0.952	998.9	1435.0	508.2	81.4	0.944	0.993	1.000	0.014	0.993	-0.002	-0.008	-0.44	-0.13
4	10.833	0.000	-2.958	0.952	999.1	1434.3	508.1	81.5	0.943	0.991	1.000	0.018	0.991	-0.002	-0.009	-0.51	-0.13
5	11.166	0.000	-2.958	0.953	999.7	1434.9	508.6	81.6	0.944	0.992	1.000	0.015	0.992	-0.002	-0.010	-0.57	-0.12
6	11.499	0.000	-2.958	0.954	1000.8	1434.9	509.3	81.4	0.947	0.993	0.999	0.013	0.993	-0.002	-0.011	-0.62	-0.14
7	11.832	0.000	-2.958	0.954	1000.6	1433.9	508.8	81.4	0.948	0.995	1.000	0.011	0.995	-0.002	-0.011	-0.65	-0.14
9	12.165	0.000	-2.958	0.954	1001.0	1434.7	509.3	81.5	0.953	0.999	1.000	0.001	0.999	-0.002	-0.012	-0.68	-0.12
10	12.498	0.000	-2.958	0.949	996.2	1436.0	507.0	81.6	0.954	1.005	0.999	-0.011	1.005	-0.002	-0.012	-0.67	-0.11
11	12.831	0.000	-2.958	0.949	996.0	1434.6	506.5	81.4	0.958	1.008	1.000	-0.016	1.008	-0.002	-0.011	-0.63	-0.11
12	13.164	0.000	-2.958	0.950	996.7	1435.1	507.1	81.4	0.966	1.014	1.000	-0.029	1.014	-0.002	-0.011	-0.62	-0.11
13	13.497	0.000	-2.958	0.951	997.8	1434.0	507.2	81.5	0.973	1.019	1.000	-0.039	1.019	-0.002	-0.010	-0.56	-0.11
14	13.830	0.000	-2.958	0.953	999.7	1435.7	509.9	81.5	0.982	1.025	1.000	-0.051	1.025	-0.002	-0.009	-0.52	-0.11
15	14.163	0.000	-2.958	0.952	998.5	1435.3	508.1	81.5	0.985	1.029	1.000	-0.059	1.029	-0.001	-0.008	-0.46	-0.08
16	14.496	0.000	-2.958	0.952	998.7	1433.3	507.6	81.3	0.991	1.034	1.000	-0.069	1.034	-0.002	-0.007	-0.38	-0.09
17	14.829	0.000	-2.958	0.954	1000.4	1434.2	508.8	81.4	1.000	1.041	1.000	-0.081	1.041	-0.002	-0.005	-0.29	-0.09
18	15.162	0.000	-2.958	0.953	999.4	1435.7	508.8	81.5	1.006	1.046	1.000	-0.094	1.046	-0.001	-0.004	-0.22	-0.06
19	15.495	0.000	-2.958	0.953	999.8	1434.2	508.5	81.4	1.014	1.053	1.000	-0.107	1.053	-0.001	-0.002	-0.09	-0.05
20	15.828	0.000	-2.958	0.952	998.8	1435.7	508.4	81.5	1.025	1.064	0.999	-0.129	1.064	-0.000	0.002	0.09	-0.02
21	16.161	0.000	-2.958	0.953	999.9	1434.1	508.5	81.4	1.031	1.068	1.000	-0.136	1.068	-0.001	0.004	0.22	-0.04
22	16.494	0.000	-2.958	0.952	998.3	1435.1	508.0	81.4	1.038	1.075	0.999	-0.152	1.075	-0.001	0.008	0.40	-0.07
23	16.827	0.000	-2.958	0.952	998.8	1432.7	507.5	81.2	1.041	1.077	1.000	-0.154	1.077	-0.001	0.011	0.59	-0.06
25	17.160	0.000	-2.958	0.948	995.2	1432.6	505.4	81.2	1.026	1.068	1.000	-0.136	1.068	-0.001	0.014	0.75	-0.06
26	17.493	0.000	-2.958	0.951	997.3	1434.0	507.1	81.2	0.994	1.038	1.000	-0.077	1.038	-0.000	0.015	0.83	-0.02
27	17.826	0.000	-2.958	0.951	997.7	1434.2	507.4	81.3	0.971	1.018	1.000	-0.036	1.018	-0.000	0.014	0.78	-0.02
28	18.159	0.000	-2.958	0.952	998.5	1435.3	508.2	81.3	0.953	1.001	0.999	-0.003	1.001	-0.000	0.012	0.69	-0.02
29	18.492	0.000	-2.958	0.954	1000.4	1435.7	509.4	81.4	0.947	0.994	1.000	0.012	0.994	-0.000	0.011	0.61	-0.02
30	18.825	0.000	-2.958	0.952	998.9	1434.0	507.9	81.4	0.941	0.990	1.000	0.020	0.990	-0.000	0.009	0.54	-0.01
31	19.158	0.000	-2.958	0.953	999.5	1435.4	508.7	81.5	0.937	0.986	1.000	0.027	0.986	-0.000	0.008	0.45	-0.02
33	19.491	0.000	-2.958	0.947	994.3	1435.7	505.9	81.4	0.934	0.988	0.999	0.023	0.988	-0.000	0.006	0.36	-0.00

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	706	2.996	0.00	21	908	0.02	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.000	-2.208	0.948	994.9	1433.8	508.6	81.4	0.949	1.001	1.000	-0.002	1.001	-0.002	-0.005	-0.28	-0.14
2	10.167	0.000	-2.208	0.948	995.6	1435.2	506.5	81.4	0.944	0.996	1.000	0.008	0.996	-0.003	-0.006	-0.33	-0.15
3	10.500	0.000	-2.208	0.948	995.3	1434.1	505.9	81.4	0.939	0.992	1.000	0.015	0.992	-0.003	-0.007	-0.38	-0.18
4	10.833	0.000	-2.208	0.949	996.4	1434.3	506.6	81.4	0.938	0.990	1.000	0.019	0.990	-0.003	-0.008	-0.45	-0.16
5	11.166	0.000	-2.208	0.950	997.0	1434.6	507.0	81.5	0.939	0.990	1.000	0.019	0.990	-0.003	-0.009	-0.52	-0.16
6	11.499	0.000	-2.208	0.950	997.5	1435.4	507.6	81.5	0.942	0.992	1.000	0.015	0.992	-0.003	-0.010	-0.56	-0.17
7	11.832	0.000	-2.208	0.951	998.3	1436.0	508.2	81.6	0.946	0.995	0.999	0.009	0.995	-0.003	-0.010	-0.56	-0.19
8	12.165	0.000	-2.208	0.952	998.8	1435.4	508.3	81.5	0.953	1.001	1.000	-0.002	1.001	-0.003	-0.010	-0.57	-0.16
9	12.498	0.000	-2.208	0.952	999.0	1434.4	508.1	81.5	0.959	1.006	1.000	-0.013	1.006	-0.003	-0.010	-0.55	-0.17
10	12.831	0.000	-2.208	0.953	999.6	1434.8	508.6	81.4	0.967	1.012	1.000	-0.025	1.012	-0.002	-0.009	-0.52	-0.13
11	13.164	0.000	-2.208	0.953	999.2	1434.4	508.2	81.4	0.975	1.020	0.999	-0.041	1.020	-0.003	-0.009	-0.49	-0.15
12	13.497	0.000	-2.208	0.951	998.2	1435.7	508.1	81.4	0.982	1.027	1.000	-0.055	1.027	-0.003	-0.008	-0.43	-0.14
13	13.830	0.000	-2.208	0.952	998.5	1434.0	507.7	81.4	0.987	1.031	1.000	-0.063	1.031	-0.002	-0.006	-0.34	-0.13
14	14.163	0.000	-2.208	0.954	1000.0	1435.0	508.9	81.3	0.998	1.039	0.999	-0.080	1.039	-0.002	-0.006	-0.32	-0.13
15	14.496	0.000	-2.208	0.951	998.0	1433.5	507.2	81.4	1.004	1.046	1.000	-0.093	1.046	-0.002	-0.004	-0.24	-0.11
16	14.829	0.000	-2.208	0.950	996.6	1434.8	506.9	81.4	1.010	1.054	0.999	-0.108	1.054	-0.002	-0.003	-0.16	-0.10
17	15.162	0.000	-2.208	0.951	997.5	1434.5	507.3	81.4	1.026	1.066	0.999	-0.134	1.066	-0.002	-0.002	-0.09	-0.08
18	15.495	0.000	-2.208	0.952	998.6	1434.1	507.7	81.5	1.031	1.069	1.000	-0.138	1.069	-0.001	0.002	0.11	-0.06
19	15.828	0.000	-2.208	0.952	999.0	1434.1	508.0	81.5	1.038	1.075	1.000	-0.151	1.075	-0.001	0.003	0.15	-0.05
20	16.161	0.000	-2.208	0.953	999.8	1434.7	508.6	81.4	1.046	1.081	1.000	-0.162	1.081	-0.001	0.005	0.29	-0.04
22	16.494	0.000	-2.208	0.951	997.5	1435.1	507.5	81.4	1.053	1.089	1.000	-0.179	1.089	-0.001	0.008	0.43	-0.04
23	16.827	0.000	-2.208	0.952	999.0	1434.4	508.1	81.4	1.059	1.092	0.999	-0.185	1.092	-0.001	0.011	0.57	-0.06
24	17.160	0.000	-2.208	0.953	999.9	1434.1	508.5	81.4	1.057	1.090	1.000	-0.181	1.090	-0.000	0.012	0.61	-0.03
25	17.493	0.000	-2.208	0.951	998.3	1434.2	507.6	81.5	1.014	1.055	1.000	-0.110	1.055	0.000	0.013	0.69	0.01
26	17.826	0.000	-2.208	0.954	1000.5	1434.3	508.9	81.4	0.979	1.022	0.999	-0.044	1.022	0.000	0.013	0.74	0.02
27	18.159	0.000	-2.208	0.952	998.6	1435.0	508.1	81.4	0.954	1.002	0.999	-0.006	1.002	0.000	0.012	0.67	0.01
29	18.492	0.000	-2.208	0.951	998.2	1435.1	507.9	81.5	0.942	0.992	0.999	0.014	0.992	0.000	0.011	0.61	0.00
30	18.825	0.000	-2.208	0.952	998.6	1433.3	507.5	81.4	0.937	0.986	1.000	0.027	0.986	0.000	0.009	0.55	0.00
31	19.158	0.000	-2.208	0.953	999.6	1434.8	508.6	81.4	0.936	0.985	0.999	0.029	0.985	0.000	0.008	0.47	0.01
32	19.491	0.000	-2.208	0.953	999.4	1435.3	508.7	81.4	0.936	0.985	0.999	0.029	0.985	0.000	0.007	0.40	0.01

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	708	2.999	0.00	21	910	0.02	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	-0.750	-2.208	0.952	998.9	1433.6	507.7	81.5	0.951	0.999	1.000	0.001	0.999	-0.002	-0.005	-0.28	-0.10
2	11.167	-0.750	-2.208	0.952	999.2	1435.2	508.4	81.5	0.939	0.988	0.999	0.023	0.988	-0.000	-0.011	-0.61	-0.01
3	12.500	-0.750	-2.208	0.952	998.6	1434.6	507.9	81.5	0.960	1.008	1.000	-0.016	1.008	0.002	-0.012	-0.66	0.09
4	13.833	-0.750	-2.208	0.954	1000.7	1436.8	509.9	81.5	0.989	1.031	0.999	-0.064	1.031	0.002	-0.009	-0.48	0.11
5	15.166	-0.750	-2.208	0.951	998.2	1433.6	507.4	81.4	1.019	1.059	1.000	-0.118	1.059	0.001	-0.002	-0.13	0.07
6	16.499	-0.750	-2.208	0.951	998.0	1434.7	507.5	81.6	1.049	1.085	0.999	-0.172	1.085	-0.003	0.009	0.49	-0.13
7	17.832	-0.750	-2.208	0.951	997.7	1434.8	507.5	81.5	0.965	1.013	1.000	-0.026	1.013	-0.005	0.014	0.80	-0.26
8	19.165	-0.750	-2.208	0.947	994.5	1434.9	505.7	81.5	0.931	0.985	1.000	0.029	0.985	-0.000	0.008	0.44	-0.01
9	20.498	-0.750	-2.208	0.952	998.5	1434.6	507.9	81.5	0.944	0.993	1.000	0.014	0.993	0.000	0.004	0.24	0.02

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	709	3.003	0.00	21	911	0.02	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	-2.750	-1.230	0.952	999.2	1435.3	508.5	81.5	0.932	0.982	1.000	0.035	0.982	-0.008	-0.010	-0.56	-0.46
2	11.833	-2.750	-1.230	0.950	997.2	1434.4	507.1	81.4	0.925	0.977	1.000	0.045	0.977	-0.010	-0.029	-1.69	-0.59
3	13.166	-2.750	-1.230	0.950	997.2	1434.5	507.1	81.5	0.959	1.008	1.000	-0.016	1.007	0.002	-0.031	-1.75	0.09
4	14.499	-2.750	-1.230	0.950	996.8	1435.3	507.2	81.4	0.999	1.043	1.000	-0.086	1.043	0.007	-0.017	-0.92	0.37
5	15.832	-2.750	-1.230	0.948	995.5	1435.0	506.4	81.4	1.037	1.077	0.999	-0.156	1.077	0.007	0.002	0.12	0.37
7	17.165	-2.750	-1.230	0.952	998.7	1435.6	508.2	81.6	1.050	1.085	0.999	-0.172	1.085	-0.007	0.034	1.80	-0.38
9	18.498	-2.750	-1.230	0.948	995.4	1435.2	506.3	81.5	0.906	0.962	0.999	0.074	0.962	0.001	0.014	0.85	0.06
10	19.831	-2.750	-1.230	0.947	994.3	1434.3	505.4	81.4	0.925	0.980	0.999	0.038	0.980	0.003	0.004	0.25	0.19

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	716	3.001	2.00	21	901	1.99	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
9	10.500	4.250	-1.230	0.952	998.8	1434.2	507.9	81.4	0.941	0.990	1.000	0.020	0.989	0.007	0.034	1.97	0.43
10	11.166	4.250	-1.230	0.949	995.8	1435.3	506.7	81.2	0.927	0.980	1.000	0.039	0.980	0.013	0.031	1.83	0.78
11	11.832	4.250	-1.230	0.951	997.4	1433.5	506.9	81.3	0.921	0.973	1.000	0.053	0.973	0.021	0.027	1.61	1.23
12	12.498	4.250	-1.230	0.952	998.4	1432.9	507.2	81.4	0.914	0.966	1.000	0.068	0.966	0.028	0.020	1.18	1.67
13	13.164	4.250	-1.230	0.955	1001.0	1435.3	509.5	81.4	0.915	0.964	1.000	0.071	0.964	0.033	0.005	0.29	1.93
14	13.830	4.250	-1.230	0.952	998.1	1432.3	507.0	81.1	0.926	0.977	1.000	0.046	0.977	0.025	-0.006	-0.36	1.48
15	14.496	4.250	-1.230	0.951	997.5	1434.2	507.3	81.1	0.941	0.991	1.000	0.017	0.991	0.017	-0.006	-0.37	0.95
16	15.162	4.250	-1.230	0.952	998.9	1433.2	507.8	81.1	0.969	1.015	1.000	-0.029	1.015	0.008	-0.003	-0.14	0.47
17	15.828	4.250	-1.230	0.950	996.5	1434.5	506.9	81.1	0.991	1.037	0.999	-0.074	1.037	0.004	0.007	0.37	0.21
18	16.494	4.250	-1.230	0.953	999.8	1434.1	508.5	81.2	1.037	1.073	0.999	-0.146	1.072	-0.001	0.019	0.99	-0.04
19	17.160	4.250	-1.230	0.949	995.7	1433.7	506.2	81.0	1.064	1.100	0.999	-0.201	1.099	0.001	0.044	2.31	0.08
20	17.826	4.250	-1.230	0.953	999.6	1434.9	508.7	81.3	0.943	0.991	0.998	0.016	0.990	0.011	0.045	2.63	0.64
21	18.492	4.250	-1.230	0.949	996.0	1433.8	506.3	81.3	0.909	0.964	0.999	0.069	0.964	0.010	0.032	1.91	0.60
22	19.158	4.250	-1.230	0.953	999.5	1432.7	507.9	81.2	0.915	0.966	0.998	0.065	0.966	0.010	0.025	1.45	0.62
23	19.824	4.250	-1.230	0.952	999.0	1432.3	507.4	81.3	0.925	0.976	0.999	0.047	0.975	0.011	0.021	1.23	0.66

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	719	2,995	2,00	21	904	2,02	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-2.730	0.949	995.7	1432.7	505.7	81.3	0.937	0.989	1.000	0.021	0.989	0.007	0.029	1.67	0.42
2	10.833	3.500	-2.730	0.949	995.8	1433.8	506.2	81.3	0.933	0.986	1.000	0.029	0.986	0.008	0.027	1.56	0.47
3	11.166	3.500	-2.730	0.951	997.6	1435.7	507.8	81.4	0.932	0.983	0.999	0.033	0.983	0.010	0.025	1.45	0.56
4	11.499	3.500	-2.730	0.950	996.8	1433.6	506.7	81.3	0.927	0.979	1.000	0.041	0.979	0.011	0.023	1.32	0.64
5	11.832	3.500	-2.730	0.951	998.1	1433.7	507.4	81.2	0.928	0.979	1.000	0.042	0.978	0.013	0.020	1.15	0.74
6	12.165	3.500	-2.730	0.952	998.3	1432.9	507.4	81.0	0.928	0.978	1.000	0.043	0.978	0.013	0.018	1.03	0.77
7	12.498	3.500	-2.730	0.953	998.8	1432.6	507.6	81.0	0.929	0.979	1.000	0.042	0.979	0.013	0.014	0.84	0.79
8	12.831	3.500	-2.730	0.954	999.8	1433.8	508.5	81.0	0.932	0.981	1.000	0.039	0.980	0.014	0.012	0.71	0.80
9	13.164	3.500	-2.730	0.950	996.8	1433.0	506.6	80.9	0.933	0.985	1.000	0.030	0.985	0.013	0.010	0.60	0.76
10	13.497	3.500	-2.730	0.951	997.5	1433.2	507.0	81.1	0.938	0.988	1.000	0.023	0.988	0.012	0.009	0.51	0.72
11	13.830	3.500	-2.730	0.952	998.3	1432.8	507.2	81.3	0.943	0.992	1.000	0.015	0.992	0.011	0.008	0.44	0.65
12	14.163	3.500	-2.730	0.953	999.9	1433.4	508.3	81.2	0.950	0.997	1.000	0.007	0.997	0.011	0.007	0.40	0.61
13	14.496	3.500	-2.730	0.951	997.5	1433.7	507.1	81.2	0.957	1.006	1.000	-0.011	1.006	0.009	0.007	0.40	0.52
14	14.829	3.500	-2.730	0.949	996.0	1433.2	506.1	81.3	0.960	1.010	1.000	-0.021	1.010	0.008	0.008	0.47	0.45
15	15.162	3.500	-2.730	0.950	997.0	1433.1	506.7	81.1	0.967	1.015	1.000	-0.030	1.015	0.007	0.010	0.57	0.38
16	15.495	3.500	-2.730	0.952	998.3	1432.2	507.1	81.1	0.978	1.023	1.001	-0.045	1.023	0.006	0.012	0.65	0.31
17	15.828	3.500	-2.730	0.950	996.8	1432.7	506.5	81.0	0.985	1.031	1.000	-0.061	1.030	0.004	0.014	0.78	0.23
18	16.161	3.500	-2.730	0.953	999.5	1434.9	508.7	81.1	1.001	1.042	0.999	-0.085	1.042	0.003	0.016	0.90	0.19
19	16.494	3.500	-2.730	0.952	998.9	1434.4	508.2	81.2	1.025	1.063	0.999	-0.127	1.063	0.002	0.022	1.17	0.12
20	16.827	3.500	-2.730	0.949	996.2	1434.6	506.7	81.2	1.032	1.073	1.000	-0.146	1.072	0.002	0.028	1.51	0.13
21	17.160	3.500	-2.730	0.950	997.0	1432.6	506.4	81.3	1.042	1.080	1.001	-0.160	1.080	0.003	0.035	1.86	0.14
22	17.493	3.500	-2.730	0.953	999.4	1434.4	508.4	81.2	1.038	1.074	1.000	-0.147	1.073	0.006	0.040	2.14	0.33
23	17.826	3.500	-2.730	0.951	998.1	1433.4	507.3	81.2	0.985	1.030	1.000	-0.059	1.029	0.008	0.040	2.21	0.46
24	18.159	3.500	-2.730	0.952	998.8	1433.2	507.6	81.3	0.954	1.002	1.000	-0.003	1.001	0.008	0.036	2.05	0.48
25	18.492	3.500	-2.730	0.952	998.6	1433.0	507.5	81.2	0.941	0.990	1.000	0.020	0.990	0.008	0.032	1.87	0.46
26	18.825	3.500	-2.730	0.954	1000.5	1433.1	508.6	81.2	0.936	0.984	1.000	0.032	0.983	0.008	0.030	1.72	0.46
27	19.158	3.500	-2.730	0.952	998.7	1434.1	507.9	81.2	0.935	0.985	1.000	0.029	0.985	0.008	0.027	1.59	0.44
28	19.491	3.500	-2.730	0.951	997.5	1433.3	507.0	81.2	0.934	0.985	1.000	0.029	0.985	0.008	0.025	1.44	0.44

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	717	3.000	2.00	21	902	2.00	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.980	0.951	998.0	1434.2	507.5	81.4	0.936	0.987	1.000	0.026	0.986	0.009	0.030	1.76	0.49
2	10.833	3.500	-1.980	0.952	998.3	1435.0	508.0	81.3	0.929	0.980	0.999	0.039	0.979	0.011	0.028	1.66	0.63
3	11.166	3.500	-1.980	0.952	998.8	1433.5	507.8	81.2	0.926	0.976	0.999	0.047	0.976	0.013	0.026	1.50	0.75
4	11.499	3.500	-1.980	0.952	998.7	1432.9	507.6	81.1	0.921	0.972	1.000	0.055	0.972	0.015	0.023	1.34	0.88
5	11.832	3.500	-1.980	0.953	999.8	1434.4	508.7	81.2	0.922	0.972	1.000	0.057	0.971	0.017	0.019	1.12	1.02
6	12.165	3.500	-1.980	0.954	1000.2	1433.0	508.3	81.3	0.921	0.971	1.000	0.058	0.971	0.019	0.015	0.91	1.10
7	12.498	3.500	-1.980	0.953	1000.0	1435.3	509.0	81.4	0.922	0.972	1.000	0.057	0.971	0.020	0.011	0.64	1.16
8	12.831	3.500	-1.980	0.952	998.3	1433.8	507.6	81.2	0.922	0.973	1.000	0.053	0.973	0.019	0.007	0.44	1.13
9	13.164	3.500	-1.980	0.952	998.7	1433.7	507.8	81.1	0.928	0.978	1.000	0.044	0.978	0.018	0.005	0.27	1.04
10	13.497	3.500	-1.980	0.950	996.6	1432.9	506.4	81.1	0.933	0.985	1.000	0.031	0.984	0.016	0.002	0.12	0.92
11	13.830	3.500	-1.980	0.951	997.9	1433.5	507.3	81.2	0.939	0.989	1.000	0.021	0.989	0.014	0.001	0.07	0.82
12	14.163	3.500	-1.980	0.951	997.9	1432.9	507.1	81.1	0.947	0.996	1.000	0.007	0.996	0.012	0.001	0.06	0.69
13	14.496	3.500	-1.980	0.952	998.6	1432.1	507.2	81.1	0.955	1.002	1.000	-0.004	1.002	0.010	0.002	0.09	0.58
14	14.829	3.500	-1.980	0.954	1000.7	1433.1	508.7	81.2	0.964	1.009	1.000	-0.018	1.009	0.008	0.003	0.16	0.46
15	15.162	3.500	-1.980	0.953	999.2	1434.1	508.2	81.2	0.971	1.017	0.999	-0.034	1.016	0.007	0.006	0.33	0.38
16	15.495	3.500	-1.980	0.952	998.9	1434.8	508.2	81.4	0.983	1.027	0.999	-0.055	1.027	0.005	0.009	0.48	0.30
17	15.828	3.500	-1.980	0.951	998.1	1434.2	507.5	81.4	0.992	1.036	1.000	-0.072	1.036	0.004	0.011	0.63	0.21
18	16.161	3.500	-1.980	0.952	999.0	1434.5	508.2	81.3	1.010	1.050	1.000	-0.101	1.050	0.003	0.016	0.87	0.14
19	16.494	3.500	-1.980	0.951	998.1	1433.5	507.4	81.3	1.028	1.067	1.000	-0.135	1.067	0.001	0.022	1.16	0.06
20	16.827	3.500	-1.980	0.953	999.4	1433.4	508.0	81.3	1.047	1.081	1.001	-0.162	1.081	0.001	0.031	1.62	0.05
21	17.160	3.500	-1.980	0.953	999.5	1434.1	508.4	81.2	1.062	1.094	0.999	-0.189	1.093	0.002	0.041	2.13	0.12
22	17.493	3.500	-1.980	0.950	996.5	1433.3	506.5	81.0	1.030	1.070	1.000	-0.140	1.069	0.008	0.043	2.28	0.45
23	17.826	3.500	-1.980	0.952	999.0	1433.4	507.8	81.3	0.967	1.013	1.000	-0.026	1.012	0.010	0.042	2.35	0.59
24	18.159	3.500	-1.980	0.952	998.2	1432.5	507.1	81.1	0.938	0.988	1.000	0.024	0.987	0.010	0.037	2.15	0.60
25	18.492	3.500	-1.980	0.953	999.0	1433.7	508.0	81.2	0.929	0.979	1.000	0.042	0.978	0.009	0.032	1.88	0.55
26	18.825	3.500	-1.980	0.953	999.2	1433.3	507.9	81.2	0.926	0.976	0.999	0.047	0.975	0.009	0.028	1.67	0.54
27	19.158	3.500	-1.980	0.952	998.7	1433.9	507.9	81.1	0.924	0.975	1.000	0.049	0.975	0.009	0.026	1.52	0.52
29	19.491	3.500	-1.980	0.950	997.3	1433.8	507.0	81.3	0.928	0.980	0.999	0.039	0.980	0.009	0.023	1.33	0.51

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	719	3.002	2.00	21	903	2.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
1	10.500	3.500	-1.230	0.954	1000.3	1432.9	508.4	81.1	0.933	0.981	1.000	0.037	0.981	0.009	0.033	1.93	0.55
2	10.833	3.500	-1.230	0.953	999.0	1433.7	508.0	81.2	0.925	0.976	1.000	0.049	0.975	0.013	0.031	1.80	0.76
3	11.166	3.500	-1.230	0.954	1000.1	1434.1	508.7	81.3	0.919	0.969	0.999	0.060	0.969	0.017	0.028	1.65	0.93
4	11.499	3.500	-1.230	0.952	998.8	1433.4	507.7	81.2	0.915	0.967	1.000	0.066	0.966	0.021	0.024	1.45	1.26
5	11.832	3.500	-1.230	0.951	997.5	1433.5	507.1	81.2	0.909	0.962	1.000	0.076	0.961	0.025	0.019	1.13	1.52
6	12.165	3.500	-1.230	0.952	998.8	1434.9	508.2	81.4	0.907	0.959	1.000	0.080	0.959	0.029	0.012	0.74	1.71
7	12.498	3.500	-1.230	0.951	998.1	1432.0	506.8	81.3	0.905	0.958	1.001	0.084	0.958	0.030	0.005	0.30	1.82
8	12.831	3.500	-1.230	0.954	1000.2	1435.2	509.0	81.4	0.910	0.961	1.000	0.078	0.960	0.028	-0.002	-0.15	1.66
9	13.164	3.500	-1.230	0.950	996.6	1433.0	506.3	81.3	0.914	0.968	1.000	0.064	0.968	0.024	-0.007	-0.43	1.41
10	13.497	3.500	-1.230	0.951	997.9	1434.3	507.6	81.2	0.925	0.976	1.000	0.047	0.976	0.019	-0.011	-0.62	1.11
11	13.830	3.500	-1.230	0.952	998.3	1432.1	507.0	81.1	0.933	0.983	1.000	0.034	0.983	0.015	-0.010	-0.58	0.90
12	14.163	3.500	-1.230	0.954	1000.3	1434.3	508.9	81.2	0.945	0.992	0.999	0.015	0.992	0.012	-0.009	-0.50	0.71
13	14.496	3.500	-1.230	0.947	994.2	1433.4	505.1	81.3	0.952	1.004	1.000	-0.009	1.004	0.009	-0.006	-0.37	0.49
14	14.829	3.500	-1.230	0.948	995.3	1434.4	506.1	81.3	0.962	1.012	0.999	-0.025	1.012	0.006	-0.004	-0.22	0.36
15	15.162	3.500	-1.230	0.950	996.6	1435.1	507.0	81.3	0.974	1.022	1.000	-0.045	1.022	0.005	0.000	0.00	0.25
16	15.495	3.500	-1.230	0.951	998.1	1435.0	507.9	81.3	0.988	1.032	1.000	-0.065	1.032	0.003	0.005	0.26	0.19
17	15.828	3.500	-1.230	0.952	998.9	1432.5	507.4	81.3	0.996	1.038	1.000	-0.076	1.038	0.002	0.008	0.45	0.10
19	16.161	3.500	-1.230	0.951	998.2	1434.0	507.5	81.4	1.021	1.061	1.000	-0.121	1.060	0.000	0.014	0.74	0.01
20	16.494	3.500	-1.230	0.951	997.5	1433.7	507.1	81.3	1.038	1.076	1.000	-0.152	1.076	-0.001	0.022	1.16	-0.03
21	16.827	3.500	-1.230	0.952	999.1	1434.7	508.3	81.4	1.055	1.089	1.000	-0.177	1.088	-0.001	0.033	1.75	-0.05
22	17.160	3.500	-1.230	0.951	997.7	1433.8	507.2	81.3	1.055	1.090	1.000	-0.181	1.090	0.004	0.044	2.30	0.20
23	17.493	3.500	-1.230	0.953	999.1	1432.6	507.7	81.0	1.017	1.056	1.000	-0.112	1.055	0.011	0.048	2.60	0.61
24	17.826	3.500	-1.230	0.953	999.0	1434.7	508.4	81.1	0.950	0.997	0.998	0.003	0.996	0.012	0.044	2.51	0.59
25	18.159	3.500	-1.230	0.952	998.7	1431.4	507.1	81.0	0.920	0.971	1.000	0.057	0.970	0.011	0.038	2.25	0.69
26	18.492	3.500	-1.230	0.952	998.8	1433.2	507.8	81.0	0.912	0.963	0.999	0.071	0.963	0.011	0.032	1.92	0.53
27	18.825	3.500	-1.230	0.954	999.7	1433.0	508.2	81.0	0.912	0.963	0.999	0.073	0.962	0.010	0.027	1.61	0.59
28	19.158	3.500	-1.230	0.952	998.2	1433.6	507.5	81.1	0.914	0.966	0.999	0.066	0.966	0.009	0.023	1.39	0.56
29	19.491	3.500	-1.230	0.954	1000.2	1433.4	508.5	81.1	0.921	0.971	0.999	0.056	0.970	0.010	0.021	1.25	0.56

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	720	3.001	2.00	21	905	2.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-1.230	0.953	999.7	1433.3	508.2	81.3	0.926	0.976	1.001	0.049	0.975	0.012	0.031	1.64	0.70
2	11.166	2.750	-1.230	0.955	1001.1	1434.7	509.4	81.3	0.909	0.959	1.000	0.082	0.958	0.021	0.021	1.24	1.28
3	11.832	2.750	-1.230	0.953	999.4	1433.4	508.1	81.2	0.901	0.953	1.000	0.093	0.953	0.026	0.004	0.25	1.55
4	12.498	2.750	-1.230	0.950	997.2	1433.0	506.6	81.3	0.908	0.962	1.000	0.077	0.961	0.020	-0.008	-0.46	1.19
5	13.164	2.750	-1.230	0.952	999.1	1434.6	508.3	81.4	0.925	0.976	1.000	0.049	0.976	0.013	-0.012	-0.71	0.74
6	13.830	2.750	-1.230	0.951	998.1	1434.6	507.7	81.3	0.945	0.994	1.000	0.012	0.994	0.008	-0.010	-0.57	0.44
7	14.496	2.750	-1.230	0.949	996.1	1433.3	506.2	81.2	0.960	1.010	1.001	-0.019	1.010	0.004	-0.005	-0.28	0.23
8	15.162	2.750	-1.230	0.951	997.8	1434.1	507.4	81.2	0.980	1.026	1.000	-0.051	1.026	0.003	0.002	0.11	0.14
9	15.828	2.750	-1.230	0.952	998.9	1434.0	508.0	81.3	1.005	1.046	1.000	-0.092	1.046	0.002	0.010	0.56	0.08
10	16.494	2.750	-1.230	0.951	997.5	1435.9	507.8	81.4	1.042	1.080	1.000	-0.160	1.080	0.001	0.025	1.33	0.04
11	17.160	2.750	-1.230	0.953	999.8	1433.4	508.2	81.4	1.053	1.086	1.000	-0.174	1.085	0.009	0.045	2.37	0.48
12	17.826	2.750	-1.230	0.952	998.8	1433.0	507.6	81.2	0.952	1.000	1.000	0.001	0.999	0.014	0.043	2.45	0.80
13	18.492	2.750	-1.230	0.953	999.4	1433.9	508.2	81.3	0.917	0.968	0.999	0.064	0.967	0.011	0.031	1.82	0.67
14	19.158	2.750	-1.230	0.951	998.2	1434.1	507.6	81.3	0.918	0.970	0.999	0.059	0.969	0.009	0.023	1.33	0.55
15	19.824	2.750	-1.230	0.952	998.7	1434.2	507.9	81.3	0.929	0.979	0.999	0.040	0.979	0.008	0.018	1.08	0.49

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	721	3.000	2.00	21	906	2.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.750	-2.208	0.950	996.7	1433.3	506.6	81.0	0.942	0.993	0.999	0.013	0.993	0.006	0.020	1.17	0.33
2	10.500	0.750	-2.208	0.951	997.5	1433.7	507.1	81.2	0.928	0.979	1.000	0.041	0.979	0.005	0.016	0.96	0.29
3	11.166	0.750	-2.208	0.952	998.5	1433.8	507.8	81.1	0.919	0.970	1.000	0.060	0.970	0.004	0.010	0.61	0.21
4	11.832	0.750	-2.208	0.954	1000.5	1434.6	509.1	81.3	0.921	0.970	1.000	0.058	0.970	0.002	0.006	0.33	0.13
8	12.498	0.750	-2.208	0.946	993.2	1434.2	504.8	81.3	0.923	0.980	1.001	0.041	0.980	0.001	0.003	0.15	0.07
9	13.164	0.750	-2.208	0.949	995.6	1434.3	506.2	81.3	0.936	0.989	1.000	0.023	0.989	0.000	0.001	0.08	0.03
10	13.830	0.750	-2.208	0.951	997.0	1433.8	507.0	81.0	0.952	1.001	1.000	-0.002	1.001	0.000	0.002	0.14	0.02
11	14.496	0.750	-2.208	0.954	999.8	1433.7	508.5	81.1	0.968	1.013	1.000	-0.025	1.013	-0.000	0.004	0.25	-0.00
12	15.162	0.750	-2.208	0.953	999.7	1434.0	508.5	81.2	0.984	1.027	1.000	-0.055	1.027	0.001	0.007	0.38	0.05
13	15.828	0.750	-2.208	0.951	997.5	1433.0	506.9	81.2	1.000	1.043	1.000	-0.086	1.043	0.002	0.011	0.60	0.09
15	16.494	0.750	-2.208	0.946	993.4	1433.2	504.7	81.1	1.025	1.069	1.000	-0.138	1.069	0.003	0.017	0.94	0.17
16	17.160	0.750	-2.208	0.950	996.9	1433.4	506.8	81.0	1.039	1.077	1.000	-0.154	1.077	0.007	0.024	1.29	0.38
17	17.826	0.750	-2.208	0.952	998.8	1432.9	507.7	81.0	0.984	1.028	1.000	-0.057	1.028	0.008	0.025	1.37	0.45
18	18.492	0.750	-2.208	0.946	993.3	1432.5	504.5	81.0	0.938	0.992	1.000	0.016	0.992	0.006	0.021	1.19	0.34
19	19.158	0.750	-2.208	0.951	997.7	1434.1	507.4	81.2	0.935	0.986	1.000	0.028	0.985	0.004	0.018	1.04	0.26
20	19.824	0.750	-2.208	0.947	994.5	1432.2	504.9	81.1	0.934	0.988	1.000	0.026	0.987	0.004	0.015	0.88	0.22

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	724	2.997	2.00	21	909	2.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.000	-3.708	0.947	994.5	1433.6	505.4	81.1	0.948	1.000	1.000	-0.001	1.000	-0.002	0.025	1.41	-0.14
2	10.167	0.000	-3.708	0.948	994.7	1432.8	505.4	80.9	0.940	0.993	0.999	0.013	0.993	-0.002	0.023	1.34	-0.14
3	10.500	0.000	-3.708	0.948	995.0	1433.1	505.6	81.0	0.936	0.989	1.000	0.023	0.989	-0.002	0.022	1.28	-0.14
4	10.833	0.000	-3.708	0.949	996.0	1433.7	506.2	81.3	0.933	0.986	1.000	0.028	0.986	-0.002	0.020	1.18	-0.14
5	11.166	0.000	-3.708	0.950	997.0	1434.6	507.2	81.1	0.931	0.983	0.999	0.033	0.982	-0.002	0.018	1.07	-0.13
6	11.499	0.000	-3.708	0.949	996.3	1432.9	506.2	81.2	0.929	0.981	1.000	0.038	0.981	-0.002	0.017	1.00	-0.10
7	11.832	0.000	-3.708	0.951	997.7	1434.8	507.7	81.0	0.930	0.981	1.000	0.037	0.981	-0.002	0.015	0.86	-0.10
8	12.165	0.000	-3.708	0.952	998.1	1433.9	507.6	81.1	0.931	0.982	1.000	0.036	0.982	-0.002	0.013	0.76	-0.10
9	12.498	0.000	-3.708	0.951	997.4	1432.2	506.7	81.0	0.934	0.984	1.000	0.032	0.984	-0.002	0.011	0.66	-0.11
10	12.831	0.000	-3.708	0.952	998.6	1433.4	507.7	81.1	0.937	0.986	1.000	0.028	0.986	-0.002	0.011	0.62	-0.10
11	13.164	0.000	-3.708	0.953	999.4	1432.7	508.0	80.8	0.941	0.989	1.000	0.023	0.989	-0.002	0.010	0.59	-0.10
12	13.497	0.000	-3.708	0.952	998.1	1432.6	507.2	80.9	0.945	0.994	1.000	0.012	0.994	-0.002	0.009	0.54	-0.10
13	13.830	0.000	-3.708	0.951	997.2	1433.3	506.9	81.0	0.947	0.997	1.000	0.006	0.997	-0.002	0.010	0.56	-0.10
14	14.163	0.000	-3.708	0.952	998.6	1434.4	508.0	81.1	0.954	1.002	1.000	-0.005	1.002	-0.002	0.010	0.57	-0.09
15	14.496	0.000	-3.708	0.954	1000.4	1434.6	509.1	81.0	0.962	1.007	1.000	-0.015	1.007	-0.002	0.010	0.59	-0.09
16	14.829	0.000	-3.708	0.951	997.4	1433.0	506.8	81.2	0.964	1.012	1.000	-0.024	1.012	-0.001	0.012	0.65	-0.08
17	15.162	0.000	-3.708	0.953	999.2	1433.5	508.1	81.0	0.971	1.016	0.999	-0.033	1.016	-0.001	0.013	0.71	-0.08
18	15.495	0.000	-3.708	0.955	1000.7	1433.1	508.8	81.0	0.980	1.022	1.000	-0.045	1.022	-0.001	0.014	0.78	-0.08
19	15.828	0.000	-3.708	0.948	994.6	1434.7	505.9	81.1	0.982	1.031	0.999	-0.062	1.031	-0.001	0.015	0.85	-0.08
20	16.161	0.000	-3.708	0.949	995.7	1433.2	506.0	81.1	0.989	1.035	1.000	-0.071	1.035	-0.002	0.018	0.99	-0.10
21	16.494	0.000	-3.708	0.950	997.0	1432.8	506.6	81.0	0.999	1.043	1.000	-0.087	1.043	-0.002	0.021	1.14	-0.10
22	16.827	0.000	-3.708	0.952	998.8	1432.6	507.5	81.1	1.015	1.055	1.000	-0.109	1.054	-0.002	0.024	1.28	-0.11
23	17.160	0.000	-3.708	0.949	995.9	1433.0	506.1	81.0	1.018	1.061	1.000	-0.121	1.060	-0.002	0.027	1.44	-0.13
24	17.493	0.000	-3.708	0.948	994.8	1434.2	505.8	81.1	0.987	1.035	0.999	-0.072	1.035	-0.002	0.027	1.50	-0.13
25	17.826	0.000	-3.708	0.947	993.6	1433.3	504.9	81.1	0.969	1.020	1.000	-0.041	1.020	-0.002	0.028	1.58	-0.11
26	18.159	0.000	-3.708	0.948	994.6	1434.3	505.8	81.1	0.958	1.009	1.000	-0.018	1.008	-0.002	0.027	1.51	-0.10
27	18.492	0.000	-3.708	0.950	997.1	1434.1	507.1	81.1	0.953	1.002	1.000	-0.004	1.002	-0.002	0.026	1.47	-0.11
28	18.825	0.000	-3.708	0.953	999.1	1434.0	508.2	81.1	0.949	0.997	1.000	0.007	0.996	-0.002	0.024	1.41	-0.11
29	19.158	0.000	-3.708	0.948	994.4	1433.9	505.6	80.9	0.940	0.993	0.999	0.012	0.993	-0.002	0.023	1.32	-0.10
30	19.491	0.000	-3.708	0.950	996.2	1432.8	506.2	80.9	0.940	0.992	1.000	0.016	0.992	-0.002	0.021	1.24	-0.09

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	722	3,002	2,00	21	907	2,01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.000	-2.958	0.951	998.1	1434.5	507.7	81.3	0.948	0.997	0.999	0.005	0.997	-0.002	0.022	1.27	-0.12
2	10.167	0.000	-2.958	0.951	997.6	1433.3	507.1	81.2	0.940	0.991	1.000	0.019	0.990	-0.002	0.021	1.19	-0.12
3	10.500	0.000	-2.958	0.952	998.5	1434.9	508.1	81.3	0.934	0.984	1.000	0.031	0.984	-0.002	0.019	1.11	-0.12
4	10.833	0.000	-2.958	0.953	999.3	1434.0	508.2	81.2	0.929	0.979	1.000	0.042	0.978	-0.002	0.017	1.01	-0.11
5	11.166	0.000	-2.958	0.953	999.7	1433.6	508.2	81.3	0.927	0.976	1.000	0.047	0.976	-0.002	0.015	0.86	-0.10
6	11.499	0.000	-2.958	0.954	1000.2	1435.0	509.0	81.3	0.926	0.976	1.000	0.048	0.976	-0.002	0.012	0.73	-0.10
7	11.832	0.000	-2.958	0.951	997.9	1433.9	507.4	81.3	0.925	0.976	1.000	0.047	0.976	-0.002	0.011	0.63	-0.10
8	12.165	0.000	-2.958	0.952	998.5	1434.4	508.0	81.2	0.927	0.978	1.000	0.044	0.978	-0.001	0.009	0.54	-0.09
9	12.498	0.000	-2.958	0.952	999.0	1434.1	508.1	81.2	0.932	0.982	1.000	0.037	0.982	-0.002	0.008	0.44	-0.10
10	12.831	0.000	-2.958	0.953	999.9	1433.2	508.3	81.2	0.934	0.982	1.000	0.035	0.982	-0.002	0.007	0.39	-0.09
11	13.164	0.000	-2.958	0.951	997.9	1433.6	507.3	81.2	0.938	0.988	0.999	0.022	0.988	-0.002	0.006	0.35	-0.11
12	13.497	0.000	-2.958	0.952	998.6	1434.7	508.2	81.1	0.944	0.993	1.000	0.014	0.993	-0.001	0.006	0.35	-0.08
13	13.830	0.000	-2.958	0.953	999.7	1435.0	508.7	81.3	0.952	0.999	1.000	0.001	0.999	-0.001	0.006	0.36	-0.08
14	14.163	0.000	-2.958	0.951	997.3	1433.2	506.8	81.2	0.954	1.003	0.999	-0.006	1.003	-0.001	0.007	0.41	-0.07
15	14.496	0.000	-2.958	0.952	998.5	1432.8	507.3	81.3	0.960	1.007	1.000	-0.015	1.007	-0.001	0.008	0.43	-0.08
16	14.829	0.000	-2.958	0.953	999.3	1432.5	507.7	81.2	0.966	1.012	1.001	-0.023	1.012	-0.001	0.008	0.48	-0.07
17	15.162	0.000	-2.958	0.950	997.2	1432.9	506.6	81.3	0.974	1.021	1.000	-0.042	1.021	-0.001	0.010	0.55	-0.06
18	15.495	0.000	-2.958	0.952	998.4	1433.0	507.4	81.2	0.981	1.026	1.000	-0.052	1.026	-0.001	0.011	0.62	-0.05
19	15.828	0.000	-2.958	0.952	999.0	1432.9	507.7	81.2	0.989	1.032	1.000	-0.064	1.032	-0.002	0.013	0.72	-0.08
20	16.161	0.000	-2.958	0.948	994.7	1433.8	505.6	81.2	0.996	1.043	1.000	-0.087	1.043	-0.001	0.015	0.84	-0.07
21	16.494	0.000	-2.958	0.950	996.4	1434.1	506.7	81.2	1.012	1.055	1.000	-0.110	1.055	-0.002	0.018	1.00	-0.08
22	16.827	0.000	-2.958	0.951	997.5	1433.0	506.9	81.2	1.027	1.066	1.000	-0.133	1.066	-0.002	0.022	1.16	-0.10
23	17.160	0.000	-2.958	0.951	997.8	1433.8	507.3	81.2	1.032	1.070	1.000	-0.141	1.070	-0.002	0.025	1.32	-0.10
24	17.493	0.000	-2.958	0.952	998.4	1433.2	507.4	81.2	1.005	1.047	1.000	-0.094	1.046	-0.001	0.026	1.42	-0.07
25	17.826	0.000	-2.958	0.952	998.5	1434.2	507.8	81.3	0.984	1.028	1.000	-0.057	1.028	-0.001	0.027	1.48	-0.07
26	18.159	0.000	-2.958	0.952	998.6	1433.1	507.5	81.2	0.961	1.008	1.000	-0.016	1.008	-0.001	0.025	1.41	-0.05
27	18.492	0.000	-2.958	0.952	998.8	1433.2	507.6	81.3	0.952	1.000	1.000	0.001	0.999	-0.001	0.023	1.33	-0.07
28	18.825	0.000	-2.958	0.948	995.2	1434.3	506.0	81.3	0.940	0.993	1.000	0.014	0.992	-0.001	0.021	1.24	-0.07
29	19.158	0.000	-2.958	0.949	996.3	1432.9	506.1	81.3	0.936	0.988	1.000	0.024	0.988	-0.001	0.020	1.15	-0.06
30	19.491	0.000	-2.958	0.952	998.6	1433.5	507.6	81.3	0.939	0.989	1.000	0.023	0.988	-0.001	0.019	1.09	-0.06

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	723	2.999	2.00	21	908	2.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.000	-2.208	0.948	995.0	1434.6	506.1	81.2	0.942	0.995	0.999	0.010	0.995	-0.002	0.016	0.94	-0.12
2	10.167	0.000	-2.208	0.949	995.6	1434.6	506.4	81.2	0.934	0.987	1.000	0.026	0.987	-0.002	0.015	0.88	-0.12
3	10.500	0.000	-2.208	0.948	994.7	1432.1	505.0	81.1	0.925	0.980	1.001	0.041	0.980	-0.002	0.013	0.78	-0.09
4	10.833	0.000	-2.208	0.950	996.4	1433.5	506.5	81.1	0.921	0.974	1.000	0.051	0.974	-0.002	0.011	0.66	-0.11
5	11.166	0.000	-2.208	0.950	996.6	1432.8	506.3	81.2	0.919	0.972	1.000	0.056	0.972	-0.002	0.009	0.56	-0.14
6	11.499	0.000	-2.208	0.951	997.4	1433.2	506.8	81.3	0.919	0.971	1.000	0.057	0.971	-0.002	0.007	0.42	-0.11
7	11.832	0.000	-2.208	0.952	998.8	1436.2	508.7	81.3	0.920	0.972	0.999	0.056	0.972	-0.002	0.005	0.32	-0.11
8	12.165	0.000	-2.208	0.952	998.5	1433.1	507.5	81.2	0.923	0.974	1.000	0.051	0.974	-0.002	0.004	0.23	-0.12
9	12.498	0.000	-2.208	0.953	999.4	1433.8	508.2	81.3	0.928	0.978	1.000	0.044	0.978	-0.002	0.003	0.18	-0.12
10	12.831	0.000	-2.208	0.954	1000.1	1433.8	508.6	81.2	0.933	0.981	0.999	0.036	0.981	-0.002	0.002	0.13	-0.10
11	13.164	0.000	-2.208	0.952	998.4	1433.9	507.6	81.3	0.938	0.988	1.000	0.024	0.988	-0.002	0.002	0.11	-0.11
12	13.497	0.000	-2.208	0.953	999.2	1434.4	508.3	81.2	0.946	0.994	0.999	0.012	0.994	-0.002	0.002	0.13	-0.12
13	13.830	0.000	-2.208	0.950	997.0	1433.1	506.6	81.3	0.950	1.000	1.000	-0.001	1.000	-0.002	0.003	0.19	-0.10
14	14.163	0.000	-2.208	0.951	997.8	1432.8	507.0	81.1	0.958	1.006	1.000	-0.012	1.006	-0.002	0.004	0.24	-0.11
15	14.496	0.000	-2.208	0.952	998.5	1432.0	507.2	81.0	0.966	1.013	1.000	-0.025	1.013	-0.002	0.005	0.28	-0.09
16	14.829	0.000	-2.208	0.951	997.3	1433.5	507.0	81.0	0.972	1.019	0.999	-0.039	1.019	-0.001	0.006	0.34	-0.08
17	15.162	0.000	-2.208	0.952	998.9	1434.7	508.3	81.2	0.983	1.027	0.999	-0.056	1.027	-0.001	0.007	0.39	-0.07
18	15.495	0.000	-2.208	0.949	996.3	1432.3	506.0	81.2	0.989	1.035	1.001	-0.069	1.035	-0.001	0.008	0.47	-0.07
19	15.828	0.000	-2.208	0.951	997.9	1433.7	507.3	81.2	1.002	1.045	1.000	-0.090	1.045	-0.001	0.010	0.54	-0.06
20	16.161	0.000	-2.208	0.952	998.6	1434.7	508.1	81.2	1.018	1.058	1.000	-0.117	1.058	-0.001	0.012	0.64	-0.05
21	16.494	0.000	-2.208	0.952	998.6	1434.2	508.0	81.1	1.029	1.067	0.999	-0.136	1.067	-0.001	0.015	0.78	-0.07
22	16.827	0.000	-2.208	0.950	996.6	1432.3	506.1	81.2	1.036	1.075	1.000	-0.151	1.075	-0.002	0.018	0.95	-0.06
23	17.160	0.000	-2.208	0.952	998.5	1432.9	507.4	81.2	1.040	1.077	1.000	-0.154	1.077	-0.001	0.020	1.06	-0.07
24	17.493	0.000	-2.208	0.954	1000.7	1433.7	508.9	81.3	1.027	1.063	0.999	-0.127	1.063	-0.001	0.021	1.12	-0.05
25	17.826	0.000	-2.208	0.952	998.3	1433.5	507.5	81.2	0.981	1.026	1.000	-0.052	1.025	-0.000	0.021	1.19	-0.02
26	18.159	0.000	-2.208	0.952	998.5	1433.8	507.7	81.2	0.963	1.010	1.000	-0.020	1.010	-0.001	0.020	1.14	-0.04
27	18.492	0.000	-2.208	0.952	998.2	1433.3	507.4	81.1	0.946	0.995	1.000	0.009	0.995	-0.001	0.018	1.06	-0.05
28	18.825	0.000	-2.208	0.952	998.3	1434.0	507.6	81.3	0.942	0.991	1.000	0.017	0.991	-0.001	0.017	0.97	-0.05
29	19.158	0.000	-2.208	0.952	997.9	1433.7	507.5	80.9	0.936	0.986	1.000	0.027	0.986	-0.000	0.015	0.89	-0.05
30	19.491	0.000	-2.208	0.954	1000.2	1433.6	508.7	80.9	0.939	0.987	1.000	0.026	0.987	-0.001	0.014	0.83	-0.04

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	725	3.001	2.00	21	910	2.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	-0.750	-2.208	0.952	997.9	1433.3	507.3	81.0	0.944	0.994	0.999	0.012	0.993	-0.010	0.021	1.20	-0.58
2	11.167	-0.750	-2.208	0.955	1000.8	1434.7	509.3	81.2	0.920	0.969	0.999	0.060	0.969	-0.007	0.011	0.67	-0.43
3	12.500	-0.750	-2.208	0.949	995.7	1433.1	505.9	81.2	0.923	0.977	1.000	0.045	0.977	-0.005	0.004	0.22	-0.28
4	13.833	-0.750	-2.208	0.953	999.1	1433.9	508.1	81.1	0.951	0.990	1.000	0.002	0.999	-0.003	0.003	0.18	-0.18
5	15.166	-0.750	-2.208	0.947	993.7	1434.1	505.2	81.2	0.976	1.026	1.000	-0.053	1.026	-0.003	0.007	0.40	-0.17
6	16.499	-0.750	-2.208	0.953	999.8	1433.5	508.3	81.3	1.028	1.065	1.000	-0.131	1.065	-0.007	0.017	0.91	-0.35
8	17.832	-0.750	-2.208	0.946	993.1	1434.7	505.0	81.2	0.962	1.014	0.999	-0.030	1.014	-0.010	0.023	1.29	-0.54
9	19.165	-0.750	-2.208	0.954	1000.5	1433.9	509.0	81.0	0.936	0.983	0.999	0.032	0.983	-0.006	0.018	1.03	-0.36
12	20.498	-0.750	-2.208	0.946	993.6	1433.1	504.7	81.2	0.938	0.992	1.000	0.015	0.992	-0.005	0.013	0.75	-0.30

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	72b	2.997	2.00	21	911	2.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	-2.750	-1.230	0.948	995.2	1432.9	505.6	81.0	0.921	0.975	1.000	0.049	0.975	-0.017	0.033	1.92	-0.99
2	11.833	-2.750	-1.230	0.951	997.6	1432.9	507.0	81.0	0.897	0.951	1.000	0.098	0.951	-0.028	0.006	0.36	-1.69
3	13.166	-2.750	-1.230	0.954	999.6	1433.5	508.4	80.9	0.923	0.973	1.000	0.054	0.973	-0.017	-0.012	-0.71	-0.97
4	14.499	-2.750	-1.230	0.954	999.9	1434.1	508.7	81.0	0.960	1.006	0.999	-0.012	1.006	-0.007	-0.006	-0.33	-0.41
5	15.832	-2.750	-1.230	0.952	998.7	1433.8	508.0	80.9	1.009	1.049	1.000	-0.099	1.049	-0.004	0.010	0.57	-0.20
7	17.165	-2.750	-1.230	0.947	993.9	1433.5	505.2	81.0	1.040	1.082	1.000	-0.164	1.081	-0.015	0.043	2.30	-0.78
9	18.496	-2.750	-1.230	0.947	993.4	1432.6	504.6	80.9	0.909	0.966	0.999	0.066	0.966	-0.012	0.025	1.49	-0.71
10	19.831	-2.750	-1.230	0.952	998.4	1433.6	507.6	81.1	0.929	0.979	0.999	0.040	0.979	-0.009	0.015	0.90	-0.56

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS
TC-532	727	3.000	5.00	21	901	5.00

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
6	10.500	4.250	-1.230	0.951	997.3	1433.2	506.9	81.1	0.923	0.975	0.999	0.048	0.971	0.016	0.091	5.38	0.92
7	11.166	4.250	-1.230	0.947	993.9	1432.4	504.8	81.0	0.905	0.962	1.000	0.076	0.957	0.025	0.087	5.22	1.48
8	11.832	4.250	-1.230	0.949	996.2	1434.4	506.6	81.2	0.892	0.948	0.999	0.102	0.944	0.038	0.082	4.96	2.29
9	12.498	4.250	-1.230	0.952	998.0	1434.9	507.9	81.1	0.876	0.932	0.999	0.134	0.927	0.056	0.072	4.41	3.49
10	13.164	4.250	-1.230	0.953	998.9	1433.8	508.1	81.0	0.867	0.922	1.000	0.154	0.919	0.064	0.046	2.86	3.97
11	13.830	4.250	-1.230	0.954	1000.1	1433.4	508.6	80.9	0.879	0.932	1.000	0.135	0.930	0.057	0.025	1.54	3.48
12	14.496	4.250	-1.230	0.950	996.4	1432.7	506.3	81.0	0.898	0.954	0.999	0.092	0.952	0.045	0.016	0.99	2.70
13	15.162	4.250	-1.230	0.952	998.0	1432.6	507.1	81.1	0.922	0.973	1.000	0.053	0.972	0.035	0.016	0.96	2.07
19	15.828	4.250	-1.230	0.946	993.1	1432.2	504.2	81.0	0.944	0.999	1.000	0.004	0.998	0.028	0.021	1.22	1.60
20	16.494	4.250	-1.230	0.950	996.2	1432.8	506.2	81.0	0.986	1.032	1.000	-0.065	1.032	0.022	0.031	1.75	1.23
21	17.160	4.250	-1.230	0.954	999.9	1433.1	508.3	81.1	1.051	1.084	1.000	-0.168	1.083	0.021	0.053	2.79	1.13
24	17.826	4.250	-1.230	0.946	993.0	1432.4	504.2	81.1	0.974	1.025	1.000	-0.050	1.023	0.036	0.061	3.40	2.03
25	18.492	4.250	-1.230	0.950	996.9	1433.5	506.7	81.2	0.923	0.975	1.000	0.050	0.973	0.038	0.051	2.98	2.26
26	19.158	4.250	-1.230	0.951	997.6	1434.1	507.4	81.0	0.921	0.973	1.000	0.054	0.971	0.039	0.044	2.58	2.27
27	19.824	4.250	-1.230	0.951	997.6	1434.0	507.3	81.2	0.926	0.978	1.000	0.044	0.976	0.038	0.038	2.20	2.24

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	731	2.999	5.00	21	904	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SKL
1	10.500	3.500	-2.730	0.949	995.4	1434.0	506.1	81.1	0.918	0.973	0.999	0.053	0.969	0.016	0.081	4.75	0.95
2	10.833	3.500	-2.730	0.949	995.5	1432.8	505.7	81.1	0.913	0.968	1.000	0.063	0.965	0.018	0.078	4.61	1.06
3	11.166	3.500	-2.730	0.949	995.9	1433.0	506.0	81.1	0.906	0.961	1.000	0.077	0.958	0.020	0.075	4.45	1.22
4	11.499	3.500	-2.730	0.950	996.3	1434.3	506.8	80.9	0.903	0.958	1.000	0.084	0.955	0.023	0.071	4.25	1.36
5	11.832	3.500	-2.730	0.950	996.3	1431.6	505.9	80.9	0.899	0.954	1.000	0.092	0.951	0.026	0.067	4.01	1.54
6	12.165	3.500	-2.730	0.951	997.4	1433.0	507.0	80.9	0.897	0.952	1.000	0.097	0.949	0.028	0.063	3.77	1.66
7	12.498	3.500	-2.730	0.952	998.1	1433.2	507.5	80.8	0.897	0.950	0.999	0.098	0.948	0.029	0.058	3.48	1.73
8	12.831	3.500	-2.730	0.953	999.4	1433.0	508.0	81.0	0.897	0.950	1.000	0.099	0.948	0.030	0.053	3.22	1.79
9	13.164	3.500	-2.730	0.953	999.5	1432.8	508.1	80.9	0.900	0.952	1.000	0.096	0.950	0.030	0.049	2.94	1.78
10	13.497	3.500	-2.730	0.955	1001.0	1433.1	509.0	81.0	0.903	0.953	1.000	0.092	0.952	0.029	0.045	2.71	1.77
12	13.830	3.500	-2.730	0.951	997.1	1432.4	506.5	81.0	0.907	0.960	1.001	0.081	0.959	0.028	0.042	2.49	1.70
13	14.163	3.500	-2.730	0.949	995.6	1434.0	506.3	81.0	0.910	0.965	1.000	0.069	0.964	0.027	0.040	2.35	1.61
14	14.496	3.500	-2.730	0.949	995.9	1432.0	505.7	81.1	0.916	0.970	1.001	0.061	0.969	0.026	0.038	2.26	1.52
15	14.829	3.500	-2.730	0.951	997.6	1434.7	507.6	81.1	0.925	0.977	1.000	0.047	0.976	0.024	0.037	2.18	1.44
16	15.162	3.500	-2.730	0.953	999.1	1433.2	507.8	81.2	0.932	0.982	1.000	0.036	0.981	0.023	0.037	2.15	1.34
17	15.495	3.500	-2.730	0.954	999.9	1432.8	508.3	81.0	0.941	0.988	1.000	0.024	0.987	0.022	0.036	2.11	1.25
19	15.828	3.500	-2.730	0.946	993.2	1433.7	504.9	80.9	0.947	1.001	1.000	-0.000	1.000	0.020	0.039	2.22	1.17
20	16.161	3.500	-2.730	0.948	994.7	1433.0	505.5	80.9	0.959	1.010	1.000	-0.019	1.009	0.020	0.041	2.31	1.12
21	16.494	3.500	-2.730	0.946	993.2	1432.6	504.6	80.8	0.967	1.019	1.000	-0.037	1.018	0.019	0.043	2.45	1.05
22	16.827	3.500	-2.730	0.948	994.2	1432.1	505.0	80.7	0.986	1.034	1.000	-0.068	1.033	0.018	0.048	2.65	1.01
23	17.160	3.500	-2.730	0.950	996.4	1432.7	506.4	80.8	1.010	1.052	1.000	-0.105	1.051	0.019	0.053	2.89	1.02
24	17.493	3.500	-2.730	0.952	997.9	1430.4	506.4	80.8	1.017	1.058	1.000	-0.115	1.056	0.021	0.058	3.17	1.15
25	17.826	3.500	-2.730	0.954	1000.0	1431.9	508.1	80.8	1.020	1.057	1.001	-0.113	1.055	0.024	0.062	3.35	1.31
26	18.159	3.500	-2.730	0.947	994.0	1431.4	504.6	80.8	0.957	1.009	1.000	-0.018	1.007	0.026	0.059	3.34	1.50
27	18.492	3.500	-2.730	0.950	996.3	1434.2	506.8	80.8	0.951	1.001	0.999	-0.003	0.999	0.027	0.056	3.22	1.54
28	18.825	3.500	-2.730	0.952	997.8	1431.7	506.8	80.8	0.942	0.992	1.000	0.017	0.990	0.027	0.054	3.14	1.54
29	19.158	3.500	-2.730	0.954	1000.3	1433.8	509.0	80.7	0.940	0.988	0.999	0.024	0.986	0.027	0.053	3.06	1.55
31	19.491	3.500	-2.730	0.946	992.9	1432.9	504.4	80.9	0.932	0.987	1.000	0.026	0.986	0.026	0.048	2.81	1.52

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	728	2.994	5.00	21	902	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.980	0.946	993.2	1432.0	504.3	80.9	0.912	0.969	1.000	0.061	0.965	0.018	0.086	5.08	1.07
2	10.833	3.500	-1.980	0.947	994.0	1433.5	505.3	80.8	0.906	0.962	1.000	0.074	0.959	0.022	0.082	4.91	1.31
3	11.166	3.500	-1.980	0.948	995.1	1432.4	505.5	80.9	0.899	0.955	0.999	0.088	0.951	0.026	0.079	4.75	1.55
4	11.499	3.500	-1.980	0.948	995.2	1433.2	505.8	81.0	0.893	0.950	1.000	0.100	0.946	0.030	0.074	4.48	1.83
5	11.832	3.500	-1.980	0.949	996.1	1433.8	506.5	81.0	0.888	0.944	1.000	0.111	0.941	0.035	0.067	4.10	2.11
6	12.165	3.500	-1.980	0.950	996.9	1433.4	506.7	81.1	0.884	0.940	0.999	0.118	0.938	0.038	0.061	3.74	2.30
7	12.498	3.500	-1.980	0.950	996.7	1432.6	506.4	81.0	0.882	0.939	1.001	0.123	0.936	0.040	0.054	3.29	2.42
8	12.831	3.500	-1.980	0.952	998.4	1434.0	507.7	81.2	0.884	0.939	1.000	0.122	0.937	0.040	0.046	2.84	2.45
9	13.164	3.500	-1.980	0.952	998.5	1432.2	507.2	81.1	0.886	0.940	1.000	0.119	0.938	0.039	0.041	2.46	2.40
10	13.497	3.500	-1.980	0.953	999.5	1433.8	508.3	81.1	0.891	0.944	1.000	0.111	0.943	0.038	0.036	2.17	2.30
11	13.830	3.500	-1.980	0.952	998.7	1433.4	507.7	81.2	0.898	0.952	1.000	0.097	0.950	0.036	0.032	1.92	2.14

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	729	2.998	5.00	21	902	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	Vm	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
4	14.163	3.500	-1.980	0.950	996.5	1432.3	506.2	81.0	0.904	0.959	1.000	0.083	0.958	0.032	0.029	1.73	1.93
5	14.496	3.500	-1.980	0.951	997.7	1433.6	507.3	81.0	0.913	0.965	1.000	0.070	0.965	0.030	0.028	1.65	1.79
6	14.829	3.500	-1.980	0.953	999.3	1433.7	508.2	81.0	0.923	0.973	1.000	0.053	0.972	0.028	0.027	1.60	1.63
7	15.162	3.500	-1.980	0.951	997.2	1433.5	507.0	80.9	0.931	0.982	1.000	0.036	0.982	0.025	0.028	1.62	1.48
8	15.495	3.500	-1.980	0.953	999.2	1433.5	508.1	80.9	0.942	0.991	0.999	0.018	0.990	0.023	0.028	1.63	1.34
9	15.828	3.500	-1.980	0.954	999.8	1431.8	508.0	80.7	0.953	0.999	1.000	0.001	0.999	0.021	0.030	1.75	1.23
10	16.161	3.500	-1.980	0.953	999.2	1433.6	508.1	81.0	0.966	1.011	1.000	-0.023	1.011	0.020	0.034	1.91	1.14
11	16.494	3.500	-1.980	0.954	1000.1	1432.9	508.4	81.0	0.987	1.029	1.000	-0.059	1.029	0.018	0.038	2.12	1.02
12	16.827	3.500	-1.980	0.953	999.0	1433.1	507.9	81.0	1.013	1.053	1.000	-0.106	1.052	0.018	0.045	2.45	0.97
13	17.160	3.500	-1.980	0.952	998.3	1433.5	507.5	81.1	1.032	1.070	1.000	-0.140	1.068	0.019	0.052	2.81	1.04
14	17.493	3.500	-1.980	0.953	999.1	1434.0	508.3	80.9	1.034	1.071	1.000	-0.142	1.069	0.023	0.059	3.16	1.25
15	17.826	3.500	-1.980	0.952	998.5	1433.2	507.7	80.9	1.004	1.046	0.999	-0.092	1.043	0.028	0.060	3.30	1.54
16	18.159	3.500	-1.980	0.953	999.1	1432.3	507.7	80.9	0.969	1.014	1.000	-0.028	1.012	0.030	0.058	3.30	1.71
17	18.492	3.500	-1.980	0.954	999.9	1433.5	508.6	80.9	0.947	0.994	0.999	0.011	0.992	0.031	0.054	3.14	1.78
18	18.825	3.500	-1.980	0.950	997.0	1433.3	506.8	81.0	0.931	0.982	1.000	0.036	0.981	0.029	0.049	2.88	1.72
19	19.158	3.500	-1.980	0.953	999.1	1433.4	508.0	81.0	0.929	0.979	0.999	0.041	0.977	0.029	0.047	2.77	1.72
20	19.491	3.500	-1.980	0.952	998.7	1434.5	508.2	81.0	0.931	0.981	1.000	0.038	0.979	0.029	0.044	2.60	1.72

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	730	2.998	5.00	21	903	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.230	0.952	998.5	1431.9	507.1	81.1	0.912	0.964	1.000	0.072	0.959	0.020	0.092	5.45	1.19
2	10.833	3.500	-1.230	0.952	998.8	1433.7	507.8	81.2	0.903	0.956	1.000	0.087	0.952	0.026	0.090	5.39	1.56
3	11.166	3.500	-1.230	0.953	999.6	1433.4	508.2	81.1	0.894	0.947	0.999	0.105	0.942	0.033	0.087	5.28	2.03
4	11.499	3.500	-1.230	0.951	997.7	1433.1	507.2	80.9	0.882	0.937	0.999	0.125	0.932	0.042	0.081	4.99	2.59
5	11.832	3.500	-1.230	0.952	998.7	1434.7	508.2	81.2	0.873	0.929	1.000	0.142	0.925	0.051	0.071	4.40	3.14
6	12.165	3.500	-1.230	0.953	999.5	1434.1	508.5	81.0	0.865	0.920	0.999	0.158	0.916	0.057	0.058	3.65	3.54
7	12.498	3.500	-1.230	0.954	999.9	1433.1	508.2	81.2	0.860	0.915	1.000	0.168	0.912	0.059	0.045	2.83	3.68
8	12.831	3.500	-1.230	0.952	998.6	1433.9	507.8	81.2	0.862	0.919	1.001	0.163	0.916	0.057	0.033	2.07	3.59
9	13.164	3.500	-1.230	0.952	998.4	1433.8	507.7	81.2	0.868	0.924	0.999	0.151	0.922	0.053	0.023	1.44	3.30
10	13.497	3.500	-1.230	0.952	998.3	1431.9	507.0	81.1	0.876	0.932	1.000	0.137	0.930	0.047	0.017	1.06	2.92
11	13.830	3.500	-1.230	0.953	999.5	1433.9	508.3	81.1	0.889	0.942	1.000	0.116	0.941	0.043	0.013	0.81	2.59
12	14.163	3.500	-1.230	0.948	994.8	1434.9	506.0	81.2	0.898	0.955	1.000	0.089	0.954	0.037	0.012	0.72	2.24
13	14.496	3.500	-1.230	0.948	995.3	1434.1	506.1	81.1	0.908	0.963	0.999	0.073	0.962	0.033	0.012	0.73	1.98
14	14.829	3.500	-1.230	0.949	995.4	1432.7	505.7	81.0	0.918	0.972	1.000	0.056	0.972	0.029	0.013	0.76	1.74
15	15.162	3.500	-1.230	0.951	997.7	1434.4	507.5	81.1	0.931	0.982	1.000	0.036	0.981	0.026	0.015	0.89	1.54
16	15.495	3.500	-1.230	0.952	998.7	1433.6	507.9	80.9	0.942	0.991	1.000	0.018	0.991	0.023	0.017	1.00	1.35
18	15.828	3.500	-1.230	0.951	997.8	1433.4	507.4	80.9	0.955	1.003	1.000	-0.006	1.003	0.021	0.021	1.20	1.20
19	16.161	3.500	-1.230	0.949	995.6	1434.1	506.4	80.9	0.968	1.017	0.999	-0.034	1.016	0.019	0.025	1.43	1.05
20	16.494	3.500	-1.230	0.950	996.6	1433.6	506.7	81.0	0.998	1.043	1.000	-0.086	1.042	0.017	0.033	1.80	0.93
21	16.827	3.500	-1.230	0.952	998.4	1433.5	507.6	81.1	1.033	1.070	1.000	-0.141	1.069	0.016	0.042	2.26	0.88
22	17.160	3.500	-1.230	0.954	999.7	1433.3	508.3	81.0	1.046	1.080	1.000	-0.160	1.079	0.019	0.052	2.78	1.02
24	17.493	3.500	-1.230	0.948	995.2	1432.7	505.6	80.9	1.033	1.074	1.000	-0.148	1.072	0.027	0.060	3.22	1.47
25	17.826	3.500	-1.230	0.951	997.8	1435.1	507.8	81.2	0.991	1.036	1.000	-0.071	1.033	0.031	0.059	3.25	1.72
26	18.159	3.500	-1.230	0.953	999.3	1433.9	508.2	81.1	0.946	0.994	0.999	0.010	0.992	0.032	0.055	3.16	1.87
27	18.492	3.500	-1.230	0.951	997.1	1432.3	506.5	81.0	0.923	0.976	1.000	0.049	0.974	0.032	0.049	2.87	1.88
28	18.825	3.500	-1.230	0.953	999.2	1434.4	508.4	81.1	0.919	0.970	1.000	0.060	0.968	0.032	0.045	2.64	1.89
30	19.158	3.500	-1.230	0.951	997.6	1432.9	507.0	81.0	0.920	0.972	1.000	0.056	0.971	0.032	0.041	2.43	1.87
31	19.491	3.500	-1.230	0.950	996.7	1434.0	506.8	81.1	0.920	0.973	0.999	0.052	0.972	0.031	0.037	2.19	1.82

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	732	3.001	5.00	21	905	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-1.230	0.950	996.4	1434.1	506.7	81.1	0.900	0.955	0.999	0.087	0.951	0.027	0.090	5.41	1.60
2	11.166	2.750	-1.230	0.950	996.8	1433.9	506.9	81.0	0.872	0.929	1.000	0.141	0.925	0.043	0.074	4.60	2.64
3	11.832	2.750	-1.230	0.952	998.4	1434.0	507.9	81.0	0.855	0.912	1.000	0.175	0.909	0.051	0.047	2.99	3.24
4	12.498	2.750	-1.230	0.954	1000.1	1433.8	508.7	81.1	0.861	0.916	1.000	0.168	0.914	0.047	0.024	1.49	2.94
6	13.164	2.750	-1.230	0.949	995.9	1433.7	506.4	80.9	0.876	0.934	0.999	0.131	0.933	0.037	0.012	0.72	2.28
7	13.830	2.750	-1.230	0.950	996.5	1431.3	505.9	80.9	0.897	0.952	1.001	0.097	0.951	0.029	0.010	0.59	1.76
8	14.496	2.750	-1.230	0.953	999.4	1433.0	508.0	81.0	0.917	0.968	1.000	0.064	0.968	0.024	0.011	0.67	1.40
9	15.162	2.750	-1.230	0.953	998.9	1433.0	507.7	81.0	0.938	0.987	1.000	0.027	0.987	0.020	0.016	0.92	1.14
10	15.828	2.750	-1.230	0.951	997.1	1432.9	506.8	80.8	0.962	1.010	1.000	-0.020	1.010	0.016	0.022	1.27	0.91
11	16.494	2.750	-1.230	0.949	995.1	1431.7	505.3	80.8	1.003	1.048	1.000	-0.096	1.047	0.015	0.035	1.94	0.82
12	17.160	2.750	-1.230	0.948	994.8	1431.9	505.2	80.8	1.035	1.076	1.000	-0.153	1.075	0.021	0.054	2.88	1.10
13	17.826	2.750	-1.230	0.949	995.1	1433.1	505.8	80.7	0.977	1.025	1.000	-0.050	1.023	0.028	0.057	3.17	1.59
14	18.492	2.750	-1.230	0.951	997.8	1434.0	507.5	80.9	0.925	0.976	1.000	0.046	0.975	0.028	0.047	2.78	1.62
15	19.158	2.750	-1.230	0.951	997.1	1433.1	506.9	80.9	0.922	0.975	1.000	0.051	0.973	0.026	0.040	2.35	1.55
16	19.824	2.750	-1.230	0.950	996.5	1432.9	506.5	80.8	0.925	0.978	1.000	0.044	0.977	0.025	0.034	2.01	1.49

DATE 9-MAR-78 PROJECT NO P41C-N0C
APO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	733	2.995	5.00	21	906	5.00	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
1	9.834	0.750	-2.208	0.947	993.9	1431.5	504.6	80.7	0.922	0.977	1.000	0.046	0.975	0.018	0.058	3.38	1.05
2	10.500	0.750	-2.208	0.948	995.2	1432.0	505.4	80.9	0.900	0.957	1.000	0.087	0.955	0.017	0.051	3.06	1.01
3	11.166	0.750	-2.208	0.950	996.4	1432.6	506.3	80.9	0.886	0.942	1.000	0.115	0.941	0.014	0.041	2.50	0.87
4	11.832	0.750	-2.208	0.950	997.0	1433.0	506.7	81.0	0.884	0.939	1.000	0.121	0.939	0.012	0.032	1.97	0.71
5	12.498	0.750	-2.208	0.952	998.7	1434.0	508.0	81.0	0.889	0.943	1.000	0.114	0.943	0.010	0.026	1.56	0.60
6	13.164	0.750	-2.208	0.953	999.1	1432.6	507.8	80.8	0.899	0.952	1.000	0.097	0.951	0.008	0.022	1.32	0.51
12	13.830	0.750	-2.208	0.947	994.2	1433.1	505.1	81.1	0.906	0.963	1.000	0.074	0.963	0.007	0.021	1.23	0.43
13	14.496	0.750	-2.208	0.950	996.8	1434.0	506.9	81.0	0.922	0.975	1.000	0.050	0.974	0.007	0.020	1.16	0.39
14	15.162	0.750	-2.208	0.953	998.8	1432.4	507.5	81.0	0.940	0.988	1.000	0.023	0.988	0.007	0.021	1.24	0.40
21	15.828	0.750	-2.208	0.947	994.5	1433.0	505.4	81.1	0.954	1.006	0.999	-0.013	1.006	0.007	0.025	1.42	0.41
22	16.494	0.750	-2.208	0.951	997.7	1432.5	506.9	81.0	0.983	1.028	1.000	-0.056	1.028	0.008	0.029	1.61	0.46
23	17.160	0.750	-2.208	0.954	999.9	1432.6	508.2	81.0	1.019	1.057	1.000	-0.114	1.056	0.012	0.035	1.91	0.63
24	17.826	0.750	-2.208	0.949	995.7	1433.2	506.0	81.1	0.969	1.018	1.000	-0.037	1.018	0.015	0.037	2.06	0.82
25	18.492	0.750	-2.208	0.949	996.0	1433.8	506.4	81.1	0.941	0.992	0.999	0.014	0.992	0.013	0.035	2.00	0.76
26	19.158	0.750	-2.208	0.948	995.2	1432.0	505.4	81.0	0.931	0.984	1.000	0.031	0.984	0.012	0.032	1.83	0.68
27	19.824	0.750	-2.208	0.953	999.3	1433.5	508.2	80.8	0.935	0.984	0.999	0.032	0.983	0.011	0.030	1.76	0.66

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	736	2.995	5.00	21	909	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.000	-3.708	0.946	993.0	1432.2	504.3	80.8	0.927	0.983	1.000	0.034	0.981	-0.003	0.067	3.90	-0.17
2	10.167	0.000	-3.708	0.947	993.9	1432.8	505.0	80.9	0.924	0.979	1.000	0.042	0.977	-0.003	0.065	3.83	-0.17
3	10.500	0.000	-3.708	0.948	994.8	1433.7	505.8	80.9	0.916	0.971	1.000	0.058	0.969	-0.003	0.063	3.72	-0.19
4	10.833	0.000	-3.708	0.948	995.0	1433.4	505.8	80.8	0.910	0.966	1.000	0.068	0.964	-0.002	0.060	3.56	-0.14
5	11.166	0.000	-3.708	0.947	993.9	1429.3	503.8	80.7	0.904	0.961	1.000	0.079	0.959	-0.003	0.057	3.41	-0.15
6	11.499	0.000	-3.708	0.950	996.2	1433.9	506.6	80.9	0.902	0.957	1.000	0.085	0.956	-0.002	0.054	3.24	-0.12
7	11.832	0.000	-3.708	0.950	996.4	1432.5	506.3	80.9	0.901	0.956	1.000	0.087	0.955	-0.002	0.051	3.06	-0.14
8	12.165	0.000	-3.708	0.950	996.7	1432.9	506.6	80.9	0.900	0.955	1.000	0.089	0.954	-0.002	0.048	2.87	-0.14
9	12.498	0.000	-3.708	0.951	997.4	1432.5	506.9	80.8	0.902	0.956	1.000	0.088	0.955	-0.002	0.045	2.72	-0.14
10	12.831	0.000	-3.708	0.951	997.6	1431.5	506.6	80.8	0.904	0.958	1.000	0.085	0.957	-0.003	0.043	2.58	-0.15
11	13.164	0.000	-3.708	0.953	998.9	1432.3	507.7	80.7	0.908	0.960	1.000	0.080	0.959	-0.002	0.041	2.45	-0.14
12	13.497	0.000	-3.708	0.953	999.3	1432.5	508.0	80.7	0.911	0.962	1.000	0.076	0.961	-0.003	0.040	2.38	-0.16
13	13.830	0.000	-3.708	0.949	996.0	1431.5	505.7	80.8	0.913	0.968	1.000	0.065	0.967	-0.002	0.039	2.29	-0.14
14	14.163	0.000	-3.708	0.950	996.6	1432.9	506.6	80.7	0.917	0.971	1.000	0.058	0.970	-0.002	0.038	2.24	-0.14
17	14.496	0.000	-3.708	0.948	994.7	1431.3	505.0	80.7	0.921	0.976	0.999	0.047	0.975	-0.003	0.037	2.15	-0.16
18	14.829	0.000	-3.708	0.948	994.5	1430.5	504.6	80.7	0.927	0.981	1.001	0.039	0.980	-0.003	0.037	2.15	-0.16
19	15.162	0.000	-3.708	0.951	996.9	1431.8	506.3	80.8	0.936	0.987	1.000	0.027	0.986	-0.002	0.037	2.14	-0.14
20	15.495	0.000	-3.708	0.952	998.2	1431.3	506.9	80.7	0.944	0.993	1.000	0.015	0.992	-0.002	0.037	2.16	-0.13
21	15.828	0.000	-3.708	0.954	1000.2	1432.0	508.3	80.7	0.952	0.998	1.000	0.003	0.998	-0.003	0.038	2.20	-0.15
22	16.161	0.000	-3.708	0.946	992.8	1432.1	504.2	80.8	0.953	1.006	1.000	-0.013	1.006	-0.002	0.041	2.33	-0.12
23	16.494	0.000	-3.708	0.947	994.2	1433.3	505.3	80.9	0.963	1.014	1.000	-0.028	1.013	-0.002	0.043	2.42	-0.12
24	16.827	0.000	-3.708	0.950	996.3	1433.2	506.4	80.9	0.974	1.021	1.000	-0.043	1.020	-0.002	0.044	2.49	-0.14
25	17.160	0.000	-3.708	0.953	999.0	1434.1	508.2	80.9	0.986	1.029	0.999	-0.059	1.028	-0.002	0.046	2.58	-0.12
26	17.493	0.000	-3.708	0.955	1000.8	1433.8	509.0	80.9	0.991	1.032	0.999	-0.064	1.030	-0.002	0.048	2.66	-0.10
27	17.826	0.000	-3.708	0.947	993.7	1434.0	505.2	81.0	0.960	1.012	1.000	-0.024	1.011	-0.002	0.048	2.74	-0.10
28	18.159	0.000	-3.708	0.948	995.1	1433.5	505.8	81.0	0.954	1.005	0.999	-0.011	1.004	-0.001	0.048	2.72	-0.09
29	18.492	0.000	-3.708	0.950	996.9	1433.3	506.7	81.1	0.951	1.000	1.000	-0.000	0.999	-0.002	0.047	2.70	-0.09
30	18.825	0.000	-3.708	0.953	999.4	1433.6	508.2	81.0	0.950	0.997	1.000	0.005	0.996	-0.001	0.046	2.67	-0.08
31	19.158	0.000	-3.708	0.948	995.1	1433.7	505.9	80.9	0.940	0.992	0.999	0.014	0.991	-0.002	0.045	2.58	-0.09
32	19.491	0.000	-3.708	0.949	996.0	1432.2	505.9	80.8	0.938	0.990	1.000	0.021	0.989	-0.002	0.044	2.53	-0.09

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	734	2.997	5.00	21	907	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.000	-2.958	0.948	994.6	1432.0	505.2	80.7	0.926	0.980	1.000	0.040	0.978	-0.002	0.059	3.47	-0.10
2	10.167	0.000	-2.958	0.949	995.8	1433.4	506.3	80.8	0.918	0.972	0.999	0.055	0.970	-0.002	0.059	3.48	-0.14
3	10.500	0.000	-2.958	0.950	995.9	1430.7	505.4	80.7	0.908	0.963	1.000	0.074	0.961	-0.002	0.057	3.38	-0.15
4	10.833	0.000	-2.958	0.950	996.0	1432.2	506.0	80.7	0.902	0.957	1.000	0.086	0.956	-0.002	0.053	3.16	-0.13
5	11.166	0.000	-2.958	0.951	997.7	1433.7	507.4	80.9	0.897	0.951	0.999	0.096	0.950	-0.002	0.049	2.96	-0.14
6	11.499	0.000	-2.958	0.951	997.6	1433.5	507.2	80.9	0.894	0.949	1.000	0.101	0.948	-0.002	0.046	2.75	-0.15
7	11.832	0.000	-2.958	0.951	996.9	1431.6	506.3	80.7	0.892	0.947	1.000	0.105	0.947	-0.002	0.042	2.54	-0.15
8	12.165	0.000	-2.958	0.952	998.2	1432.4	507.3	80.8	0.894	0.948	1.000	0.104	0.947	-0.002	0.039	2.35	-0.14
9	12.498	0.000	-2.958	0.953	998.9	1432.5	507.6	80.9	0.897	0.949	1.000	0.100	0.949	-0.002	0.036	2.18	-0.14
10	12.831	0.000	-2.958	0.952	998.6	1432.3	507.4	80.9	0.898	0.951	1.000	0.097	0.951	-0.002	0.034	2.07	-0.13
14	13.164	0.000	-2.958	0.946	993.1	1432.9	504.6	80.8	0.899	0.957	1.000	0.086	0.956	-0.002	0.032	1.93	-0.11
15	13.497	0.000	-2.958	0.948	994.3	1432.3	505.1	80.8	0.904	0.961	1.000	0.078	0.960	-0.002	0.031	1.88	-0.12
16	13.830	0.000	-2.958	0.949	995.9	1433.2	506.3	80.8	0.910	0.964	1.000	0.071	0.964	-0.002	0.030	1.81	-0.13
17	14.163	0.000	-2.958	0.950	996.4	1430.7	505.7	80.7	0.915	0.968	1.000	0.063	0.968	-0.002	0.030	1.78	-0.11
18	14.496	0.000	-2.958	0.952	998.0	1432.3	507.1	80.8	0.923	0.975	1.000	0.051	0.974	-0.002	0.029	1.72	-0.13
19	14.829	0.000	-2.958	0.953	998.9	1431.4	507.3	80.7	0.930	0.979	1.000	0.041	0.979	-0.002	0.028	1.67	-0.13
20	15.162	0.000	-2.958	0.955	1000.5	1432.4	508.6	80.7	0.939	0.986	1.000	0.028	0.985	-0.002	0.029	1.69	-0.12
21	15.495	0.000	-2.958	0.948	994.6	1432.1	505.2	80.7	0.943	0.996	0.999	0.008	0.995	-0.002	0.031	1.77	-0.14
22	15.828	0.000	-2.958	0.949	995.3	1431.1	505.2	80.8	0.948	1.000	1.000	0.001	0.999	-0.002	0.032	1.83	-0.13
23	16.161	0.000	-2.958	0.951	997.0	1431.6	506.4	80.7	0.963	1.011	1.000	-0.021	1.010	-0.002	0.034	1.90	-0.12
24	16.494	0.000	-2.958	0.953	999.0	1432.0	507.6	80.7	0.976	1.021	1.000	-0.041	1.020	-0.002	0.035	1.97	-0.13
25	16.827	0.000	-2.958	0.949	995.5	1432.2	505.7	80.8	0.982	1.029	1.000	-0.060	1.029	-0.002	0.038	2.11	-0.11
26	17.160	0.000	-2.958	0.949	995.9	1431.8	505.8	80.8	0.987	1.033	1.000	-0.066	1.033	-0.002	0.041	2.27	-0.11
27	17.493	0.000	-2.958	0.953	998.9	1433.9	508.1	80.9	0.992	1.034	1.000	-0.069	1.033	-0.002	0.042	2.32	-0.09
28	17.826	0.000	-2.958	0.951	997.9	1433.2	507.3	81.0	0.973	1.019	0.999	-0.039	1.018	-0.001	0.043	2.42	-0.06
29	18.159	0.000	-2.958	0.953	999.2	1432.8	507.9	80.8	0.963	1.009	1.000	-0.017	1.008	-0.001	0.042	2.40	-0.05
30	18.492	0.000	-2.958	0.952	998.3	1433.7	507.7	80.9	0.951	0.999	0.999	0.001	0.998	-0.001	0.040	2.32	-0.04
31	18.825	0.000	-2.958	0.954	999.6	1432.5	508.1	80.8	0.946	0.993	0.999	0.013	0.992	-0.001	0.039	2.27	-0.06
36	19.158	0.000	-2.958	0.946	993.2	1432.5	504.5	80.9	0.933	0.988	1.000	0.023	0.987	-0.001	0.037	2.16	-0.05
37	19.491	0.000	-2.958	0.949	995.6	1434.4	506.4	81.0	0.935	0.988	0.999	0.024	0.987	-0.001	0.036	2.09	-0.05

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	735	2.998	5.00	21	908	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.000	-2.208	0.949	995.9	1433.3	506.1	81.1	0.920	0.974	1.000	0.052	0.973	-0.003	0.047	2.78	-0.16
2	10.167	0.000	-2.208	0.950	996.5	1431.3	505.8	81.0	0.910	0.964	1.000	0.073	0.963	-0.002	0.045	2.69	-0.14
3	10.500	0.000	-2.208	0.951	997.0	1431.6	506.3	80.8	0.901	0.955	1.000	0.089	0.954	-0.003	0.042	2.54	-0.16
4	10.833	0.000	-2.208	0.951	997.5	1432.3	506.8	80.8	0.893	0.948	1.000	0.104	0.947	-0.003	0.039	2.35	-0.17
5	11.166	0.000	-2.208	0.952	998.4	1432.4	507.4	80.8	0.888	0.942	1.000	0.114	0.942	-0.003	0.035	2.14	-0.19
6	11.499	0.000	-2.208	0.953	999.3	1434.3	508.5	80.9	0.886	0.940	0.999	0.119	0.939	-0.003	0.032	1.93	-0.19
7	11.832	0.000	-2.208	0.951	997.7	1433.9	507.4	81.0	0.884	0.940	1.000	0.120	0.939	-0.003	0.028	1.72	-0.17
8	12.165	0.000	-2.208	0.952	998.4	1433.4	507.7	80.8	0.886	0.940	1.000	0.119	0.940	-0.003	0.026	1.56	-0.16
9	12.498	0.000	-2.208	0.945	992.3	1431.2	503.6	80.8	0.885	0.945	1.000	0.110	0.945	-0.003	0.024	1.44	-0.18
10	12.831	0.000	-2.208	0.946	992.4	1430.8	503.5	80.7	0.889	0.949	1.000	0.102	0.949	-0.002	0.022	1.30	-0.13
11	13.164	0.000	-2.208	0.947	993.8	1432.3	504.8	80.7	0.895	0.953	1.000	0.094	0.952	-0.002	0.020	1.21	-0.15
12	13.497	0.000	-2.208	0.947	993.8	1430.8	504.3	80.7	0.901	0.958	1.000	0.085	0.958	-0.002	0.019	1.16	-0.11
13	13.830	0.000	-2.208	0.949	995.8	1433.2	506.2	80.9	0.907	0.962	1.000	0.075	0.962	-0.002	0.019	1.11	-0.13
14	14.163	0.000	-2.208	0.950	996.6	1431.7	506.2	80.7	0.913	0.967	1.000	0.066	0.967	-0.002	0.018	1.07	-0.10
15	14.496	0.000	-2.208	0.952	997.7	1431.6	506.8	80.7	0.922	0.973	1.000	0.053	0.973	-0.002	0.017	1.03	-0.11
16	14.829	0.000	-2.208	0.954	999.6	1432.0	508.0	80.7	0.930	0.979	0.999	0.041	0.979	-0.002	0.018	1.05	-0.11
17	15.162	0.000	-2.208	0.948	994.5	1431.4	504.9	80.7	0.938	0.991	1.000	0.018	0.991	-0.002	0.019	1.10	-0.11
18	15.495	0.000	-2.208	0.947	993.6	1433.1	504.9	80.9	0.943	0.997	1.000	0.006	0.997	-0.002	0.020	1.16	-0.09
19	15.828	0.000	-2.208	0.948	994.8	1432.8	505.5	80.9	0.953	1.005	1.000	-0.009	1.005	-0.002	0.022	1.26	-0.10
20	16.161	0.000	-2.208	0.950	996.5	1432.8	506.3	81.0	0.966	1.015	1.000	-0.029	1.014	-0.002	0.024	1.34	-0.11
21	16.494	0.000	-2.208	0.952	998.1	1432.8	507.2	81.0	0.982	1.027	1.000	-0.053	1.026	-0.002	0.025	1.41	-0.12
22	16.827	0.000	-2.208	0.946	994.4	1432.5	505.1	80.9	0.989	1.037	1.000	-0.074	1.036	-0.002	0.028	1.54	-0.11
23	17.160	0.000	-2.208	0.949	995.4	1430.7	505.2	80.7	0.994	1.040	1.000	-0.080	1.039	-0.002	0.030	1.67	-0.10
24	17.493	0.000	-2.208	0.952	997.8	1433.0	507.3	80.7	0.993	1.037	0.999	-0.075	1.036	-0.001	0.031	1.72	-0.05
25	17.826	0.000	-2.208	0.953	999.4	1432.7	508.1	80.7	0.985	1.027	1.000	-0.055	1.027	-0.001	0.032	1.77	-0.05
26	18.159	0.000	-2.208	0.948	994.2	1431.6	504.8	80.7	0.950	1.002	1.000	-0.004	1.002	-0.000	0.031	1.75	-0.02
27	18.492	0.000	-2.208	0.950	996.2	1431.4	505.8	80.8	0.944	0.995	1.000	0.011	0.994	-0.000	0.030	1.71	-0.02
28	18.825	0.000	-2.208	0.952	998.0	1432.3	507.2	80.7	0.941	0.991	1.000	0.019	0.990	-0.000	0.028	1.64	-0.03
30	19.158	0.000	-2.208	0.954	1000.4	1432.1	508.3	80.9	0.938	0.985	1.000	0.029	0.985	-0.000	0.028	1.63	-0.02
33	19.491	0.000	-2.208	0.947	994.2	1431.3	504.6	80.8	0.929	0.983	1.000	0.033	0.983	-0.000	0.026	1.53	-0.02

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	737	3.001	5.00	21	910	5.00	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	-0.750	-2.208	0.950	996.2	1434.1	506.7	81.0	0.923	0.976	0.999	0.047	0.974	-0.023	0.059	3.46	-1.37
2	11.167	-0.750	-2.208	0.952	998.0	1433.6	507.5	81.0	0.887	0.941	1.000	0.116	0.940	-0.020	0.042	2.56	-1.23
3	12.500	-0.750	-2.208	0.954	1000.4	1433.4	508.7	81.1	0.889	0.941	1.000	0.117	0.941	-0.015	0.026	1.60	-0.90
5	13.833	-0.750	-2.208	0.947	993.3	1430.8	504.0	80.7	0.905	0.963	1.000	0.074	0.962	-0.012	0.021	1.26	-0.69
6	15.166	-0.750	-2.208	0.952	998.4	1433.0	507.6	80.8	0.939	0.988	0.999	0.022	0.988	-0.010	0.021	1.23	-0.60
7	16.499	-0.750	-2.208	0.948	994.8	1433.5	505.7	80.9	0.979	1.028	0.999	-0.056	1.027	-0.013	0.029	1.64	-0.73
9	17.832	-0.750	-2.208	0.947	993.8	1433.3	505.0	81.0	0.958	1.010	1.000	-0.020	1.009	-0.016	0.035	2.00	-0.91
11	19.165	-0.750	-2.208	0.952	998.0	1433.9	507.6	81.0	0.937	0.987	0.999	0.024	0.987	-0.013	0.031	1.80	-0.75
12	20.498	-0.750	-2.208	0.952	998.6	1432.6	507.5	80.9	0.940	0.989	1.000	0.021	0.989	-0.012	0.028	1.62	-0.68

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	738	2.999	5.00	21	911	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	-2.750	-1.230	0.949	995.7	1432.8	506.0	80.9	0.898	0.954	0.999	0.090	0.949	-0.032	0.092	5.56	-1.93
2	11.833	-2.750	-1.230	0.952	998.7	1433.3	507.7	81.1	0.851	0.908	0.999	0.182	0.904	-0.057	0.049	3.10	-3.58
3	13.166	-2.750	-1.230	0.953	999.2	1433.1	508.0	81.0	0.875	0.930	1.000	0.140	0.929	-0.041	0.013	0.78	-2.50
5	14.499	-2.750	-1.230	0.949	995.6	1430.6	505.2	80.7	0.913	0.967	1.000	0.066	0.967	-0.026	0.011	0.65	-1.53
7	15.832	-2.750	-1.230	0.950	996.7	1433.6	506.8	80.9	0.960	1.009	1.000	-0.017	1.008	-0.020	0.023	1.29	-1.14
10	17.165	-2.750	-1.230	0.947	993.6	1433.3	505.0	80.9	1.027	1.071	1.000	-0.142	1.069	-0.027	0.054	2.91	-1.45
11	18.498	-2.750	-1.230	0.955	1000.6	1432.8	508.8	80.8	0.924	0.973	0.999	0.054	0.971	-0.030	0.042	2.49	-1.60
13	19.831	-2.750	-1.230	0.948	994.7	1434.2	505.9	80.9	0.923	0.978	0.999	0.044	0.977	-0.027	0.028	1.64	-1.61

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS
TC-532	747	2.996	0.00	21	901	0.01

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
10	10.500	4.250	-1.230	1.049	1083.7	1399.2	537.1	82.6	1.116	1.052	0.998	-0.106	1.052	-0.001	0.001	0.03	-0.08
11	11.166	4.250	-1.230	1.049	1083.9	1399.6	537.4	82.4	1.078	1.022	0.999	-0.046	1.022	0.009	-0.006	-0.32	0.49
12	11.832	4.250	-1.230	1.051	1085.7	1400.2	538.4	82.4	1.049	0.998	0.999	0.003	0.998	0.018	-0.013	-0.77	1.06
13	12.498	4.250	-1.230	1.052	1086.0	1400.2	538.6	82.3	1.049	0.998	1.000	0.003	0.998	0.020	-0.023	-1.32	1.17
14	13.164	4.250	-1.230	1.054	1087.8	1400.1	539.3	82.4	1.056	1.002	1.000	-0.004	1.001	0.015	-0.032	-1.83	0.84
15	13.830	4.250	-1.230	1.052	1086.2	1399.9	538.6	82.4	1.072	1.016	0.999	-0.032	1.015	0.001	-0.033	-1.84	0.04
16	14.496	4.250	-1.230	1.052	1086.6	1400.0	538.8	82.3	1.104	1.040	0.998	-0.082	1.040	-0.007	-0.022	-1.21	-0.40
17	15.162	4.250	-1.230	1.054	1087.6	1399.5	539.1	82.1	1.126	1.055	0.998	-0.113	1.055	-0.011	-0.010	-0.56	-0.60
18	15.828	4.250	-1.230	1.050	1084.6	1398.8	537.5	82.2	1.147	1.074	0.997	-0.151	1.074	-0.015	0.006	0.30	-0.79
19	16.494	4.250	-1.230	1.052	1086.0	1398.0	537.8	82.2	1.159	1.082	0.995	-0.167	1.081	-0.014	0.014	0.76	-0.76
20	17.160	4.250	-1.230	1.049	1083.9	1399.5	537.4	82.3	1.184	1.101	0.994	-0.207	1.101	-0.021	0.036	1.85	-1.11
21	17.826	4.250	-1.230	1.051	1085.5	1399.1	538.0	82.2	1.231	1.134	0.991	-0.273	1.131	-0.026	0.071	3.59	-1.32
22	18.492	4.250	-1.230	1.053	1087.4	1399.2	538.9	82.2	1.188	1.101	0.985	-0.216	1.101	-0.005	0.028	1.45	-0.24
23	19.158	4.250	-1.230	1.048	1082.8	1398.1	536.4	82.2	0.986	0.951	0.994	0.090	0.950	-0.005	0.002	0.13	-0.32
24	19.824	4.250	-1.230	1.050	1084.4	1398.0	537.2	82.0	1.023	0.978	0.996	0.038	0.978	-0.007	0.005	0.29	-0.42

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	750	2.997	0.00	21	904	0.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-2.730	1.046	1080.0	1396.2	534.8	81.4	1.120	1.058	0.997	-0.118	1.058	-0.002	0.000	0.03	-0.10
2	10.833	3.500	-2.730	1.047	1080.8	1397.1	535.5	81.4	1.119	1.055	0.997	-0.114	1.055	-0.001	-0.001	-0.04	-0.06
3	11.166	3.500	-2.730	1.048	1081.6	1397.1	535.9	81.4	1.103	1.043	0.997	-0.088	1.042	0.002	-0.006	-0.32	0.12
4	11.499	3.500	-2.730	1.047	1081.2	1394.6	534.8	81.2	1.074	1.021	0.998	-0.044	1.021	0.005	-0.013	-0.71	0.31
5	11.832	3.500	-2.730	1.048	1081.6	1395.0	535.2	81.2	1.057	1.008	0.998	-0.018	1.007	0.007	-0.017	-0.95	0.40
6	12.165	3.500	-2.730	1.048	1081.8	1396.8	535.9	81.4	1.061	1.011	1.000	-0.022	1.010	0.007	-0.019	-1.09	0.41
7	12.498	3.500	-2.730	1.049	1082.6	1396.3	536.0	81.4	1.062	1.010	0.999	-0.022	1.010	0.006	-0.020	-1.16	0.36
8	12.831	3.500	-2.730	1.050	1083.7	1397.0	536.8	81.4	1.065	1.012	0.999	-0.025	1.012	0.006	-0.021	-1.21	0.32
9	13.164	3.500	-2.730	1.050	1083.5	1395.9	536.3	81.4	1.070	1.015	1.000	-0.031	1.015	0.004	-0.021	-1.21	0.22
10	13.497	3.500	-2.730	1.051	1084.7	1396.7	537.1	81.4	1.076	1.020	0.999	-0.041	1.019	0.002	-0.021	-1.19	0.13
11	13.830	3.500	-2.730	1.052	1085.5	1397.2	537.6	81.4	1.084	1.025	0.999	-0.051	1.025	0.001	-0.020	-1.14	0.05
12	14.163	3.500	-2.730	1.052	1085.6	1396.4	537.4	81.4	1.092	1.031	0.999	-0.063	1.031	-0.001	-0.019	-1.03	-0.06
13	14.496	3.500	-2.730	1.054	1086.7	1396.5	537.9	81.4	1.098	1.034	0.998	-0.070	1.034	-0.002	-0.016	-0.89	-0.12
15	14.829	3.500	-2.730	1.047	1081.1	1396.9	535.6	81.4	1.097	1.039	0.998	-0.079	1.039	-0.002	-0.014	-0.75	-0.11
16	15.162	3.500	-2.730	1.047	1081.0	1396.5	535.4	81.3	1.106	1.046	0.999	-0.093	1.046	-0.003	-0.010	-0.56	-0.16
17	15.495	3.500	-2.730	1.049	1082.6	1396.8	536.2	81.4	1.114	1.050	0.998	-0.102	1.050	-0.004	-0.008	-0.42	-0.23
18	15.828	3.500	-2.730	1.051	1084.1	1398.0	537.4	81.4	1.121	1.054	0.997	-0.111	1.054	-0.006	-0.004	-0.23	-0.30
19	16.161	3.500	-2.730	1.051	1084.8	1396.8	537.2	81.5	1.132	1.061	0.998	-0.124	1.061	-0.007	0.001	0.05	-0.35
20	16.494	3.500	-2.730	1.053	1086.1	1397.9	538.1	81.5	1.138	1.065	0.997	-0.133	1.065	-0.006	0.005	0.29	-0.30
21	16.827	3.500	-2.730	1.052	1085.3	1396.9	537.4	81.4	1.140	1.067	0.996	-0.138	1.067	-0.005	0.009	0.48	-0.28
22	17.160	3.500	-2.730	1.049	1083.2	1396.1	536.2	81.4	1.132	1.063	0.997	-0.129	1.063	-0.011	0.016	0.88	-0.57
23	17.493	3.500	-2.730	1.050	1083.7	1395.5	536.2	81.4	1.143	1.071	0.997	-0.144	1.070	-0.011	0.022	1.19	-0.58
24	17.826	3.500	-2.730	1.052	1085.0	1395.6	536.8	81.4	1.153	1.077	0.996	-0.158	1.077	-0.013	0.031	1.67	-0.70
25	18.159	3.500	-2.730	1.053	1086.4	1396.0	537.6	81.4	1.168	1.087	0.995	-0.178	1.086	-0.013	0.040	2.13	-0.71
26	18.492	3.500	-2.730	1.049	1082.4	1396.9	536.2	81.3	1.178	1.098	0.994	-0.201	1.097	-0.016	0.052	2.73	-0.84
27	18.825	3.500	-2.730	1.050	1083.7	1397.6	537.0	81.4	1.196	1.110	0.993	-0.225	1.108	-0.013	0.062	3.21	-0.69
28	19.158	3.500	-2.730	1.050	1084.0	1396.0	536.6	81.3	1.133	1.063	0.991	-0.136	1.063	-0.004	0.024	1.31	-0.21
29	19.491	3.500	-2.730	1.052	1085.4	1395.6	537.0	81.4	1.006	0.964	0.991	0.060	0.964	-0.004	0.005	0.33	-0.25

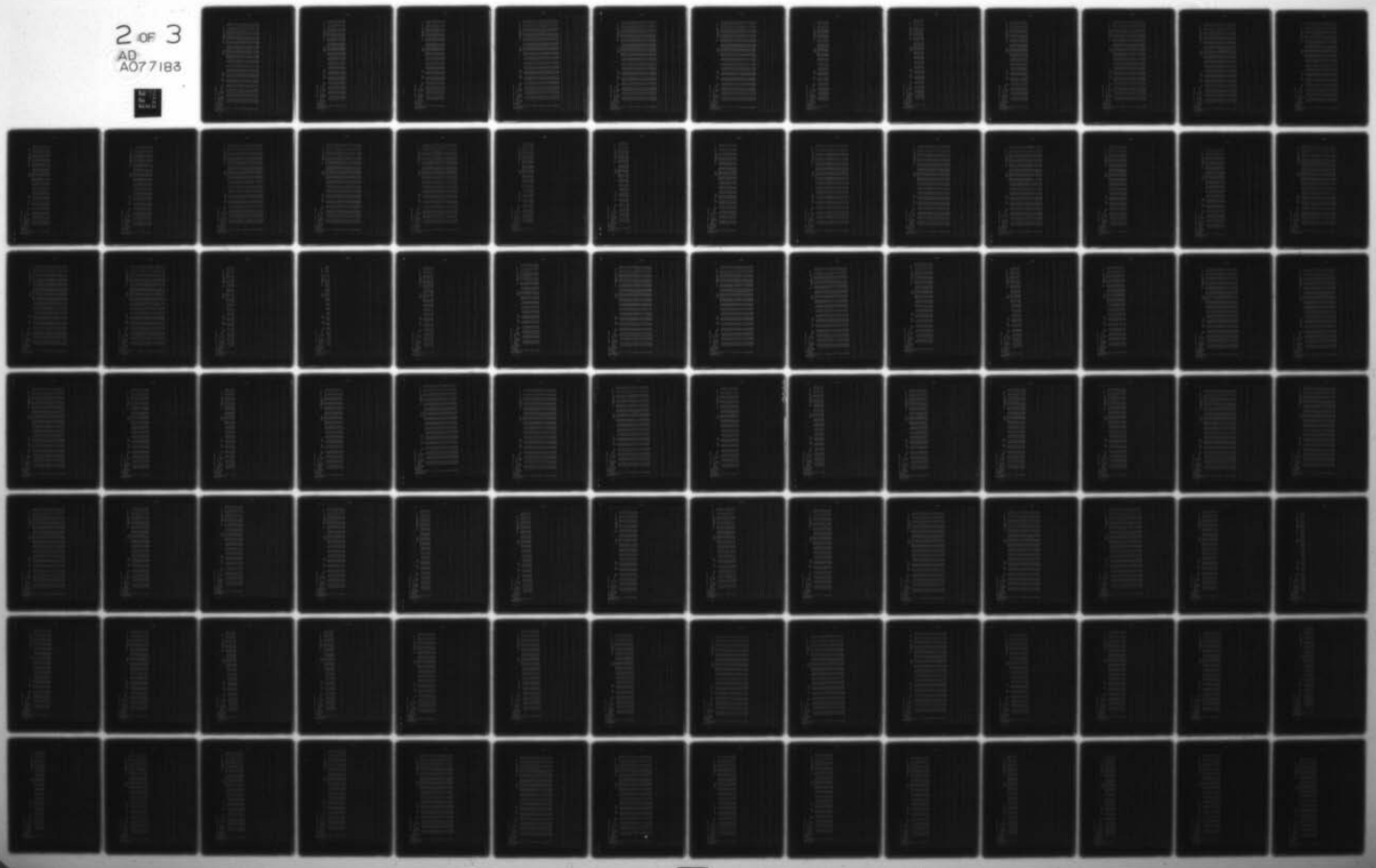
DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

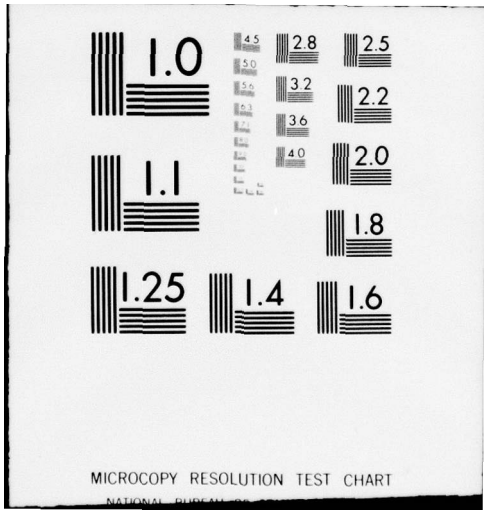
TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	748	2.998	0.00	21	902	0.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.980	1.047	1081.5	1398.7	536.2	82.0	1.119	1.055	0.997	-0.114	1.055	-0.001	0.000	0.01	-0.08
2	10.833	3.500	-1.980	1.046	1081.3	1397.5	535.6	82.0	1.107	1.047	0.998	-0.096	1.047	0.002	-0.004	-0.21	0.09
3	11.166	3.500	-1.980	1.048	1082.4	1398.6	536.6	82.0	1.075	1.021	0.997	-0.045	1.021	0.007	-0.010	-0.58	0.42
4	11.499	3.500	-1.980	1.048	1083.0	1399.3	537.0	82.1	1.052	1.003	0.998	-0.008	1.003	0.011	-0.016	-0.92	0.62
5	11.832	3.500	-1.980	1.049	1083.4	1399.6	537.3	82.0	1.053	1.004	0.999	-0.008	1.003	0.012	-0.020	-1.15	0.67
6	12.165	3.500	-1.980	1.048	1082.8	1398.4	536.7	82.0	1.053	1.004	1.000	-0.007	1.003	0.011	-0.023	-1.31	0.61
7	12.498	3.500	-1.980	1.050	1084.3	1399.2	537.6	82.0	1.057	1.006	0.999	-0.012	1.005	0.009	-0.025	-1.42	0.50
8	12.831	3.500	-1.980	1.050	1084.6	1398.1	537.3	82.0	1.059	1.007	0.999	-0.016	1.007	0.006	-0.026	-1.47	0.33
9	13.164	3.500	-1.980	1.051	1085.1	1398.7	537.8	82.0	1.067	1.013	0.999	-0.027	1.012	0.004	-0.026	-1.46	0.20
10	13.497	3.500	-1.980	1.052	1085.9	1398.2	538.0	81.9	1.080	1.022	0.999	-0.045	1.022	0.001	-0.024	-1.33	0.03
11	13.830	3.500	-1.980	1.052	1085.8	1396.7	537.5	81.7	1.090	1.029	0.999	-0.060	1.029	-0.002	-0.022	-1.20	-0.09
12	14.163	3.500	-1.980	1.051	1085.0	1398.6	537.7	81.9	1.098	1.036	0.998	-0.075	1.036	-0.004	-0.019	-1.05	-0.22
13	14.496	3.500	-1.980	1.051	1085.0	1398.6	537.7	82.0	1.104	1.041	0.998	-0.084	1.041	-0.005	-0.016	-0.87	-0.26
14	14.829	3.500	-1.980	1.052	1085.8	1399.4	538.3	82.0	1.113	1.047	0.998	-0.096	1.047	-0.006	-0.012	-0.66	-0.30
15	15.162	3.500	-1.980	1.052	1086.3	1398.0	538.1	81.9	1.119	1.051	0.998	-0.104	1.051	-0.007	-0.008	-0.44	-0.37
16	15.495	3.500	-1.980	1.054	1087.6	1399.1	539.1	81.8	1.127	1.055	0.997	-0.113	1.055	-0.008	-0.004	-0.20	-0.46
17	15.828	3.500	-1.980	1.052	1085.4	1398.5	537.9	81.8	1.135	1.064	0.997	-0.130	1.064	-0.009	0.002	0.11	-0.49
18	16.161	3.500	-1.980	1.052	1086.0	1397.5	537.8	81.9	1.144	1.070	0.997	-0.142	1.070	-0.009	0.007	0.35	-0.46
19	16.494	3.500	-1.980	1.052	1086.0	1397.4	537.7	81.9	1.149	1.074	0.997	-0.150	1.074	-0.008	0.010	0.52	-0.45
20	16.827	3.500	-1.980	1.052	1085.9	1399.1	538.3	81.9	1.154	1.077	0.996	-0.158	1.077	-0.008	0.015	0.78	-0.44
21	17.160	3.500	-1.980	1.053	1086.5	1398.1	538.2	81.9	1.163	1.084	0.995	-0.171	1.083	-0.009	0.023	1.24	-0.48
22	17.493	3.500	-1.980	1.051	1084.8	1397.3	537.2	81.7	1.172	1.092	0.994	-0.188	1.091	-0.013	0.034	1.81	-0.66
23	17.826	3.500	-1.980	1.052	1085.3	1395.8	536.9	81.7	1.188	1.103	0.994	-0.210	1.101	-0.014	0.047	2.42	-0.72
24	18.159	3.500	-1.980	1.053	1086.5	1396.9	537.8	81.7	1.209	1.116	0.993	-0.238	1.115	-0.014	0.058	2.97	-0.70
25	18.492	3.500	-1.980	1.052	1085.7	1397.9	537.8	81.8	1.211	1.119	0.991	-0.245	1.117	-0.016	0.072	3.70	-0.81
26	18.825	3.500	-1.980	1.053	1086.6	1397.1	538.0	81.7	1.148	1.072	0.990	-0.155	1.072	-0.001	0.027	1.42	-0.06
28	19.158	3.500	-1.980	1.046	1080.7	1395.2	534.6	81.7	0.965	0.936	0.993	0.119	0.935	0.001	0.007	0.44	0.06
29	19.491	3.500	-1.980	1.048	1082.3	1397.7	536.3	81.7	0.986	0.951	0.995	0.092	0.951	-0.001	0.003	0.18	-0.07

AD-A077 183 NIELSEN ENGINEERING AND RESEARCH INC MOUNTAIN VIEW CALIF F/G 20/4
DATA REPORT FOR A TEST PROGRAM TO STUDY TRANSONIC FLOW FIELDS A--ETC(U)
MAY 78 S S STAHARA, A J CRISALLI F44620-75-C-0047
UNCLASSIFIED NEAR-TR-163-VOL-2 AFOSR-TR-79-1071 N/L

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DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	749	2.996	0.00	21	903	0.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.230	1.048	1082.6	1396.0	535.8	81.7	1.107	1.045	0.998	-0.093	1.045	0.001	-0.002	-0.08	0.05
2	10.833	3.500	-1.230	1.050	1083.7	1396.1	536.3	81.7	1.075	1.020	0.998	-0.041	1.020	0.009	-0.006	-0.34	0.48
3	11.166	3.500	-1.230	1.051	1084.5	1396.7	536.9	81.7	1.050	0.999	0.998	-0.001	0.999	0.014	-0.011	-0.62	0.82
4	11.499	3.500	-1.230	1.051	1084.8	1397.2	537.2	81.7	1.042	0.993	0.999	0.012	0.993	0.019	-0.016	-0.93	1.07
5	11.832	3.500	-1.230	1.052	1085.9	1397.8	537.9	81.6	1.042	0.992	0.999	0.014	0.992	0.020	-0.021	-1.24	1.16
6	12.165	3.500	-1.230	1.052	1085.3	1395.4	536.8	81.5	1.042	0.992	1.000	0.015	0.992	0.019	-0.027	-1.59	1.11
7	12.498	3.500	-1.230	1.053	1086.5	1397.4	538.1	81.6	1.045	0.994	0.999	0.011	0.993	0.016	-0.032	-1.85	0.91
8	12.831	3.500	-1.230	1.051	1085.0	1396.7	537.1	81.6	1.048	0.998	0.999	0.004	0.997	0.010	-0.036	-2.04	0.57
9	13.164	3.500	-1.230	1.052	1085.5	1397.4	537.6	81.7	1.057	1.004	0.999	-0.010	1.003	0.004	-0.036	-2.05	0.25
10	13.497	3.500	-1.230	1.053	1086.2	1397.5	538.0	81.5	1.066	1.010	0.999	-0.021	1.009	-0.001	-0.033	-1.90	-0.07
11	13.830	3.500	-1.230	1.055	1087.6	1397.5	538.7	81.4	1.081	1.021	0.998	-0.043	1.020	-0.005	-0.029	-1.64	-0.29
13	14.163	3.500	-1.230	1.049	1083.0	1397.0	536.4	81.6	1.089	1.031	0.998	-0.065	1.031	-0.007	-0.024	-1.33	-0.39
14	14.496	3.500	-1.230	1.050	1084.1	1396.3	536.6	81.6	1.100	1.038	0.997	-0.079	1.038	-0.008	-0.019	-1.04	-0.43
15	14.829	3.500	-1.230	1.050	1084.0	1396.3	536.5	81.7	1.114	1.049	0.998	-0.100	1.049	-0.009	-0.014	-0.74	-0.50
16	15.162	3.500	-1.230	1.051	1085.0	1396.2	537.0	81.6	1.126	1.057	0.997	-0.117	1.057	-0.011	-0.006	-0.35	-0.60
17	15.495	3.500	-1.230	1.052	1085.8	1396.9	537.7	81.4	1.141	1.067	0.997	-0.138	1.067	-0.012	0.002	0.12	-0.67
18	15.828	3.500	-1.230	1.054	1087.0	1397.3	538.3	81.6	1.151	1.073	0.996	-0.150	1.073	-0.012	0.008	0.41	-0.62
21	16.161	3.500	-1.230	1.050	1083.6	1396.5	536.4	81.6	1.151	1.077	0.996	-0.158	1.077	-0.011	0.012	0.63	-0.56
22	16.494	3.500	-1.230	1.051	1084.3	1397.6	537.3	81.4	1.161	1.083	0.995	-0.171	1.083	-0.012	0.018	0.97	-0.63
23	16.827	3.500	-1.230	1.052	1085.3	1397.0	537.5	81.5	1.177	1.094	0.995	-0.192	1.094	-0.013	0.028	1.46	-0.68
24	17.160	3.500	-1.230	1.052	1085.7	1397.8	537.9	81.6	1.196	1.108	0.993	-0.221	1.107	-0.014	0.041	2.14	-0.73
25	17.493	3.500	-1.230	1.052	1085.3	1397.4	537.7	81.4	1.216	1.122	0.992	-0.250	1.121	-0.017	0.056	2.95	-0.85
26	17.826	3.500	-1.230	1.053	1086.1	1397.4	538.0	81.5	1.233	1.134	0.989	-0.274	1.131	-0.014	0.072	3.66	-0.70
27	18.159	3.500	-1.230	1.053	1086.2	1394.8	537.0	81.4	1.242	1.140	0.988	-0.288	1.137	-0.014	0.081	4.05	-0.70
28	18.492	3.500	-1.230	1.049	1082.9	1396.1	536.1	81.4	1.070	1.016	0.989	-0.047	1.016	0.000	0.014	0.81	0.03
29	18.825	3.500	-1.230	1.051	1084.2	1396.5	536.8	81.4	0.985	0.948	0.990	0.091	0.948	0.001	0.006	0.36	0.07
30	19.158	3.500	-1.230	1.051	1084.9	1396.0	536.9	81.4	1.031	0.984	0.996	0.027	0.984	-0.001	0.002	0.14	-0.04
31	19.491	3.500	-1.230	1.053	1086.3	1395.9	537.5	81.4	1.045	0.994	0.998	0.010	0.994	-0.004	0.002	0.10	-0.21

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	751	3.001	0.00	21	905	0.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-1.230	1.050	1083.4	1397.0	536.7	81.4	1.083	1.026	0.998	-0.055	1.026	0.006	-0.006	-0.32	0.33
2	11.166	2.750	-1.230	1.050	1083.8	1396.5	536.6	81.4	1.038	0.990	0.998	0.017	0.990	0.015	-0.019	-1.07	0.90
3	11.832	2.750	-1.230	1.051	1084.8	1395.7	536.8	81.4	1.040	0.991	0.999	0.018	0.990	0.015	-0.031	-1.79	0.86
4	12.498	2.750	-1.230	1.053	1086.4	1396.1	537.6	81.4	1.043	0.992	0.999	0.014	0.991	0.007	-0.036	-2.10	0.38
5	13.164	2.750	-1.230	1.051	1084.8	1397.6	537.5	81.4	1.050	0.999	0.998	0.001	0.998	-0.002	-0.033	-1.92	-0.13
6	13.830	2.750	-1.230	1.052	1085.7	1394.9	536.8	81.4	1.069	1.013	0.998	-0.028	1.013	-0.005	-0.026	-1.45	-0.26
7	14.496	2.750	-1.230	1.054	1087.1	1395.6	537.7	81.4	1.102	1.037	0.998	-0.075	1.036	-0.005	-0.017	-0.92	-0.30
8	15.162	2.750	-1.230	1.051	1084.5	1397.2	537.2	81.4	1.122	1.054	0.997	-0.112	1.054	-0.008	-0.005	-0.26	-0.42
9	15.828	2.750	-1.230	1.050	1083.8	1396.8	536.8	81.4	1.141	1.069	0.996	-0.142	1.069	-0.008	0.008	0.45	-0.40
10	16.494	2.750	-1.230	1.052	1085.3	1395.4	536.9	81.4	1.163	1.084	0.995	-0.171	1.084	-0.008	0.024	1.24	-0.43
11	17.160	2.750	-1.230	1.053	1085.8	1395.5	537.2	81.3	1.197	1.108	0.994	-0.221	1.107	-0.009	0.047	2.41	-0.44
12	17.826	2.750	-1.230	1.049	1082.6	1397.8	536.6	81.4	1.214	1.124	0.989	-0.256	1.122	-0.009	0.074	3.77	-0.47
13	18.492	2.750	-1.230	1.050	1084.0	1395.8	536.5	81.3	1.045	0.996	0.988	-0.007	0.996	0.005	0.011	0.65	0.31
14	19.158	2.750	-1.230	1.053	1086.2	1396.5	537.7	81.3	1.049	0.997	0.997	0.003	0.997	0.002	0.001	0.07	0.09
16	19.824	2.750	-1.230	1.053	1085.8	1395.9	537.3	81.3	1.042	0.992	0.997	0.013	0.992	-0.002	0.004	0.21	-0.14

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	752	3.000	0.00	21	906	0.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.750	-2.208	1.048	1081.7	1397.0	535.9	81.3	1.092	1.035	0.997	-0.072	1.035	0.000	-0.007	-0.37	0.01
2	10.500	0.750	-2.208	1.050	1083.9	1396.6	536.8	81.3	1.076	1.020	0.998	-0.042	1.020	-0.001	-0.009	-0.51	-0.04
3	11.166	0.750	-2.208	1.052	1084.8	1395.5	536.8	81.2	1.058	1.005	0.998	-0.012	1.005	-0.004	-0.015	-0.85	-0.22
4	11.832	0.750	-2.208	1.052	1085.1	1396.5	537.2	81.3	1.061	1.007	0.998	-0.017	1.007	-0.005	-0.018	-1.04	-0.28
5	12.498	0.750	-2.208	1.051	1084.3	1397.9	537.4	81.4	1.068	1.013	0.998	-0.028	1.013	-0.004	-0.019	-1.05	-0.23
6	13.164	0.750	-2.208	1.051	1084.5	1395.7	536.7	81.2	1.073	1.017	0.998	-0.036	1.017	-0.003	-0.017	-0.96	-0.19
7	13.830	0.750	-2.208	1.053	1086.5	1395.8	537.6	81.3	1.081	1.021	0.998	-0.045	1.021	-0.003	-0.016	-0.90	-0.15
8	14.496	0.750	-2.208	1.051	1084.4	1394.5	536.2	81.2	1.086	1.027	0.999	-0.056	1.027	-0.002	-0.013	-0.73	-0.10
9	15.162	0.750	-2.208	1.051	1084.1	1394.3	535.9	81.3	1.094	1.034	0.997	-0.070	1.034	0.000	-0.009	-0.49	0.02
10	15.828	0.750	-2.208	1.050	1083.6	1395.7	536.3	81.3	1.110	1.046	0.997	-0.095	1.046	0.002	-0.005	-0.26	0.09
11	16.494	0.750	-2.208	1.052	1084.9	1395.2	536.8	81.1	1.120	1.052	0.997	-0.109	1.052	0.004	0.002	0.12	0.23
12	17.160	0.750	-2.208	1.047	1081.1	1396.1	535.5	80.9	1.141	1.072	0.996	-0.147	1.072	0.005	0.010	0.55	0.25
13	17.826	0.750	-2.208	1.049	1082.9	1394.9	535.8	81.0	1.172	1.093	0.995	-0.189	1.092	0.006	0.025	1.31	0.38
14	18.492	0.750	-2.208	1.052	1085.3	1395.3	537.0	81.1	1.189	1.103	0.993	-0.211	1.102	0.008	0.032	1.68	0.43
15	19.158	0.750	-2.208	1.050	1083.3	1394.0	535.8	80.7	1.017	0.973	0.994	0.044	0.973	0.002	0.004	0.25	0.13
16	19.824	0.750	-2.208	1.050	1083.6	1394.2	535.8	81.0	1.038	0.991	0.999	0.017	0.991	0.000	0.003	0.18	0.02

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	755	3.000	0.00	21	909	0.02	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.000	-3.708	1.047	1080.4	1395.6	535.0	80.8	1.121	1.057	0.996	-0.118	1.057	-0.001	0.003	0.14	-0.05
2	10.167	0.000	-3.708	1.047	1080.5	1395.3	535.0	80.7	1.116	1.053	0.997	-0.109	1.053	-0.001	0.002	0.09	-0.07
3	10.500	0.000	-3.708	1.049	1082.3	1396.2	536.0	81.0	1.113	1.049	0.997	-0.101	1.049	-0.001	0.000	0.00	-0.06
4	10.833	0.000	-3.708	1.049	1082.5	1395.8	536.0	80.9	1.110	1.047	0.997	-0.096	1.047	-0.001	-0.002	-0.09	-0.04
5	11.166	0.000	-3.708	1.049	1082.5	1395.1	535.7	80.9	1.102	1.041	0.998	-0.084	1.041	-0.001	-0.005	-0.30	-0.06
6	11.499	0.000	-3.708	1.049	1082.8	1395.3	535.9	81.0	1.082	1.025	0.998	-0.053	1.025	-0.002	-0.011	-0.60	-0.10
7	11.832	0.000	-3.708	1.050	1083.5	1395.5	536.3	81.0	1.066	1.012	0.998	-0.028	1.012	-0.002	-0.015	-0.82	-0.13
8	12.165	0.000	-3.708	1.051	1084.3	1394.6	536.4	80.8	1.066	1.012	0.998	-0.026	1.011	-0.002	-0.016	-0.92	-0.09
9	12.498	0.000	-3.708	1.051	1084.4	1394.7	536.4	81.0	1.070	1.014	0.998	-0.031	1.014	-0.001	-0.016	-0.93	-0.08
10	12.831	0.000	-3.708	1.051	1084.4	1393.7	536.0	80.9	1.074	1.017	0.999	-0.036	1.017	-0.002	-0.016	-0.92	-0.09
11	13.164	0.000	-3.708	1.053	1085.8	1395.7	537.4	81.0	1.080	1.021	0.998	-0.044	1.021	-0.002	-0.016	-0.90	-0.09
12	13.497	0.000	-3.708	1.050	1083.3	1394.7	535.9	80.9	1.078	1.022	0.998	-0.046	1.021	-0.001	-0.015	-0.84	-0.06
13	13.830	0.000	-3.708	1.051	1083.9	1394.6	536.1	81.0	1.081	1.023	0.998	-0.049	1.023	-0.001	-0.014	-0.78	-0.05
14	14.163	0.000	-3.708	1.052	1084.7	1394.1	536.3	81.0	1.086	1.027	0.998	-0.056	1.027	-0.001	-0.013	-0.72	-0.04
15	14.496	0.000	-3.708	1.051	1083.6	1395.1	536.3	80.8	1.091	1.031	0.998	-0.064	1.031	-0.000	-0.012	-0.68	-0.00
16	14.829	0.000	-3.708	1.051	1084.0	1396.0	536.8	80.9	1.098	1.036	0.998	-0.074	1.036	-0.000	-0.010	-0.57	-0.02
17	15.162	0.000	-3.708	1.050	1083.4	1393.9	535.7	80.9	1.101	1.039	0.999	-0.079	1.039	-0.000	-0.009	-0.47	-0.01
18	15.495	0.000	-3.708	1.051	1083.5	1393.6	535.7	80.8	1.102	1.040	0.998	-0.081	1.040	-0.000	-0.006	-0.34	-0.00
19	15.828	0.000	-3.708	1.052	1085.0	1394.8	536.8	80.8	1.106	1.041	0.998	-0.084	1.041	0.000	-0.003	-0.18	0.00
20	16.161	0.000	-3.708	1.050	1083.2	1395.5	536.2	80.9	1.113	1.049	0.998	-0.099	1.049	-0.001	-0.000	-0.03	-0.03
21	16.494	0.000	-3.708	1.052	1084.6	1394.3	536.4	80.8	1.121	1.053	0.998	-0.107	1.053	-0.000	0.003	0.14	-0.00
22	16.827	0.000	-3.708	1.052	1084.8	1392.7	535.9	80.7	1.127	1.057	0.998	-0.116	1.057	-0.000	0.005	0.26	-0.00
23	17.160	0.000	-3.708	1.051	1084.3	1395.2	536.6	80.9	1.133	1.063	0.997	-0.128	1.063	0.000	0.006	0.31	0.01
24	17.493	0.000	-3.708	1.052	1085.2	1394.9	536.9	80.8	1.141	1.067	0.997	-0.137	1.067	-0.001	0.010	0.55	-0.03
25	17.826	0.000	-3.708	1.051	1083.8	1393.3	535.7	80.7	1.146	1.072	0.996	-0.148	1.072	-0.000	0.014	0.77	-0.02
26	18.159	0.000	-3.708	1.052	1085.0	1393.5	536.3	80.8	1.152	1.076	0.996	-0.155	1.076	-0.001	0.019	1.03	-0.06
27	18.492	0.000	-3.708	1.052	1085.0	1395.0	536.9	80.8	1.162	1.083	0.995	-0.170	1.083	-0.001	0.024	1.30	-0.05
28	18.825	0.000	-3.708	1.050	1083.4	1395.0	536.1	80.8	1.147	1.074	0.996	-0.150	1.073	-0.002	0.040	2.12	-0.08
29	19.158	0.000	-3.708	1.051	1084.2	1393.5	535.9	80.7	1.157	1.080	0.996	-0.163	1.079	-0.001	0.044	2.35	-0.05
30	19.491	0.000	-3.708	1.048	1081.2	1394.1	534.8	80.7	1.066	1.014	0.995	-0.034	1.014	0.001	0.014	0.78	0.07

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	753	2.999	0.00	21	907	0.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
1	9.834	0.000	-2.958	1.049	1082.8	1395.6	535.9	81.2	1.109	1.046	0.997	-0.095	1.046	-0.001	0.000	0.02	-0.04
2	10.167	0.000	-2.958	1.049	1082.5	1394.5	535.4	81.2	1.102	1.041	0.998	-0.084	1.041	-0.001	-0.001	-0.04	-0.05
3	10.500	0.000	-2.958	1.050	1083.6	1394.8	536.0	81.2	1.096	1.035	0.997	-0.073	1.035	-0.001	-0.003	-0.15	-0.04
4	10.833	0.000	-2.958	1.050	1083.5	1394.6	535.9	81.1	1.082	1.025	0.998	-0.052	1.025	-0.001	-0.007	-0.41	-0.08
5	11.156	0.000	-2.958	1.051	1084.5	1394.8	536.4	81.2	1.064	1.010	0.998	-0.021	1.010	-0.002	-0.011	-0.65	-0.11
6	11.499	0.000	-2.958	1.051	1084.2	1394.8	536.3	81.1	1.054	1.003	0.998	-0.008	1.003	-0.002	-0.015	-0.85	-0.11
7	11.832	0.000	-2.958	1.050	1083.4	1395.2	536.2	80.8	1.056	1.005	0.998	-0.012	1.005	-0.002	-0.017	-0.97	-0.10
8	12.165	0.000	-2.958	1.051	1084.2	1395.9	536.8	80.8	1.059	1.006	0.998	-0.014	1.006	-0.002	-0.017	-0.97	-0.11
9	12.498	0.000	-2.958	1.052	1084.8	1394.6	536.6	80.8	1.062	1.008	0.999	-0.018	1.008	-0.002	-0.017	-0.98	-0.09
10	12.831	0.000	-2.958	1.052	1085.2	1395.8	537.2	80.9	1.067	1.011	0.998	-0.025	1.011	-0.001	-0.017	-0.96	-0.06
11	13.164	0.000	-2.958	1.049	1082.3	1394.4	535.3	81.0	1.067	1.015	0.998	-0.031	1.014	-0.001	-0.016	-0.93	-0.06
12	13.497	0.000	-2.958	1.050	1083.3	1396.2	536.4	81.1	1.074	1.019	0.998	-0.039	1.019	-0.001	-0.016	-0.89	-0.06
13	13.830	0.000	-2.958	1.051	1084.3	1396.2	537.0	80.9	1.079	1.021	0.998	-0.045	1.021	-0.001	-0.015	-0.82	-0.04
14	14.163	0.000	-2.958	1.052	1084.4	1395.6	536.8	80.8	1.089	1.029	0.999	-0.059	1.029	-0.001	-0.013	-0.71	-0.05
15	14.496	0.000	-2.958	1.049	1082.9	1395.8	536.1	81.1	1.089	1.030	0.998	-0.063	1.030	-0.001	-0.011	-0.60	-0.04
16	14.829	0.000	-2.958	1.051	1083.6	1395.0	536.2	80.8	1.094	1.034	0.998	-0.070	1.034	-0.000	-0.009	-0.52	-0.00
17	15.162	0.000	-2.958	1.051	1084.2	1394.7	536.3	81.0	1.103	1.040	0.998	-0.082	1.040	-0.000	-0.007	-0.40	-0.02
18	15.495	0.000	-2.958	1.052	1085.1	1393.9	536.4	80.9	1.111	1.045	0.998	-0.092	1.045	-0.001	-0.005	-0.25	-0.04
19	15.828	0.000	-2.958	1.050	1083.5	1395.5	536.3	80.9	1.115	1.050	0.998	-0.102	1.050	0.000	-0.001	-0.04	0.00
20	16.161	0.000	-2.958	1.051	1084.5	1396.0	536.9	81.0	1.121	1.053	0.997	-0.109	1.053	0.000	0.002	0.13	0.02
21	16.494	0.000	-2.958	1.051	1084.4	1396.4	537.0	81.0	1.128	1.059	0.997	-0.120	1.059	0.000	0.006	0.31	0.02
22	16.827	0.000	-2.958	1.051	1084.1	1395.8	536.7	81.0	1.133	1.063	0.997	-0.128	1.063	0.000	0.008	0.42	0.02
23	17.160	0.000	-2.958	1.052	1084.9	1395.9	537.1	80.9	1.141	1.068	0.996	-0.139	1.068	-0.000	0.012	0.62	-0.02
24	17.493	0.000	-2.958	1.054	1086.9	1395.9	537.9	81.1	1.150	1.072	0.996	-0.148	1.072	-0.001	0.015	0.82	-0.05
26	17.826	0.000	-2.958	1.046	1079.6	1395.2	534.5	80.9	1.128	1.063	0.997	-0.129	1.063	-0.002	0.030	1.60	-0.11
27	18.159	0.000	-2.958	1.048	1081.8	1396.3	535.8	81.0	1.138	1.069	0.995	-0.142	1.068	-0.003	0.036	1.94	-0.14
28	18.492	0.000	-2.958	1.049	1082.8	1396.2	536.3	81.0	1.151	1.077	0.994	-0.159	1.076	-0.002	0.041	2.18	-0.12
29	18.825	0.000	-2.958	1.050	1083.4	1395.6	536.3	81.0	1.161	1.084	0.994	-0.173	1.083	-0.002	0.046	2.42	-0.12
30	19.158	0.000	-2.958	1.052	1084.6	1395.4	536.8	80.9	1.149	1.074	0.993	-0.155	1.074	0.000	0.037	1.97	0.01
31	19.491	0.000	-2.958	1.051	1084.1	1395.7	536.6	81.1	1.018	0.975	0.994	0.043	0.975	0.002	0.008	0.45	0.13

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	754	3.000	0.00	21	908	0.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.000	-2.208	1.048	1082.1	1395.8	535.7	81.1	1.087	1.030	0.998	-0.063	1.030	-0.001	-0.007	-0.37	-0.08
2	10.167	0.000	-2.208	1.050	1083.7	1396.8	536.8	81.1	1.083	1.025	0.997	-0.054	1.025	-0.001	-0.007	-0.39	-0.08
3	10.500	0.000	-2.208	1.050	1082.9	1395.7	536.1	81.0	1.079	1.023	0.998	-0.048	1.023	-0.002	-0.008	-0.45	-0.09
4	10.833	0.000	-2.208	1.050	1083.6	1394.3	535.9	80.9	1.073	1.017	0.998	-0.037	1.017	-0.002	-0.010	-0.58	-0.12
5	11.166	0.000	-2.208	1.051	1084.2	1394.8	536.4	80.9	1.063	1.009	0.998	-0.021	1.009	-0.003	-0.012	-0.68	-0.15
6	11.499	0.000	-2.208	1.052	1084.8	1394.2	536.4	80.9	1.060	1.007	0.999	-0.015	1.006	-0.003	-0.013	-0.74	-0.15
7	11.832	0.000	-2.208	1.052	1085.1	1395.2	536.9	80.9	1.066	1.010	0.998	-0.023	1.010	-0.003	-0.014	-0.80	-0.15
8	12.165	0.000	-2.208	1.052	1085.3	1395.2	537.0	81.0	1.066	1.011	0.999	-0.023	1.010	-0.002	-0.014	-0.80	-0.12
9	12.498	0.000	-2.208	1.053	1085.5	1395.7	537.3	80.9	1.072	1.015	0.998	-0.033	1.015	-0.002	-0.015	-0.83	-0.12
10	12.831	0.000	-2.208	1.050	1083.3	1395.1	536.0	81.0	1.073	1.018	0.998	-0.038	1.018	-0.001	-0.015	-0.83	-0.07
11	13.164	0.000	-2.208	1.050	1083.4	1394.5	535.8	81.1	1.077	1.021	0.999	-0.043	1.021	-0.001	-0.015	-0.82	-0.09
12	13.497	0.000	-2.208	1.052	1084.8	1394.3	536.4	80.9	1.082	1.023	0.998	-0.048	1.023	-0.001	-0.014	-0.77	-0.06
13	13.830	0.000	-2.208	1.052	1085.0	1394.3	536.5	81.0	1.084	1.025	0.998	-0.051	1.025	-0.001	-0.013	-0.75	-0.07
14	14.163	0.000	-2.208	1.053	1086.0	1395.1	537.2	81.0	1.090	1.029	0.998	-0.059	1.029	-0.001	-0.012	-0.68	-0.09
15	14.496	0.000	-2.208	1.046	1080.2	1396.1	535.0	81.1	1.085	1.030	0.998	-0.062	1.030	-0.001	-0.010	-0.57	-0.04
16	14.829	0.000	-2.208	1.048	1081.6	1396.0	535.6	81.0	1.090	1.033	0.998	-0.068	1.033	-0.001	-0.010	-0.53	-0.05
17	15.162	0.000	-2.208	1.048	1081.8	1395.0	535.4	80.9	1.096	1.037	0.998	-0.076	1.037	-0.000	-0.008	-0.43	-0.01
18	15.495	0.000	-2.208	1.050	1083.3	1395.8	536.3	81.1	1.104	1.041	0.998	-0.085	1.041	0.000	-0.007	-0.40	0.02
19	15.828	0.000	-2.208	1.051	1084.5	1396.3	537.0	81.0	1.107	1.043	0.997	-0.089	1.043	0.001	-0.006	-0.33	0.03
21	16.161	0.000	-2.208	1.046	1080.3	1395.9	535.0	81.0	1.112	1.050	0.997	-0.104	1.050	0.001	-0.005	-0.25	0.06
22	16.494	0.000	-2.208	1.047	1080.7	1395.0	534.9	81.0	1.114	1.051	0.997	-0.106	1.051	0.001	-0.003	-0.16	0.05
23	16.827	0.000	-2.208	1.048	1082.0	1396.2	535.9	81.0	1.123	1.058	0.996	-0.119	1.058	0.001	0.000	0.01	0.08
24	17.160	0.000	-2.208	1.050	1083.2	1396.0	536.4	81.0	1.133	1.063	0.996	-0.130	1.063	0.001	0.003	0.17	0.05
25	17.493	0.000	-2.208	1.052	1084.7	1396.6	537.2	81.1	1.143	1.069	0.996	-0.143	1.069	0.001	0.006	0.33	0.04
26	17.826	0.000	-2.208	1.052	1084.9	1395.9	537.1	81.0	1.157	1.080	0.995	-0.165	1.080	0.001	0.012	0.61	0.06
27	18.159	0.000	-2.208	1.053	1085.6	1393.9	536.5	81.1	1.170	1.088	0.994	-0.182	1.088	0.001	0.017	0.90	0.03
28	18.492	0.000	-2.208	1.054	1086.3	1393.4	536.8	80.9	1.177	1.093	0.993	-0.191	1.093	-0.000	0.019	1.02	-0.01
29	18.825	0.000	-2.208	1.050	1083.2	1395.7	536.3	80.9	1.114	1.049	0.992	-0.108	1.049	-0.000	0.008	0.45	-0.01
30	19.158	0.000	-2.208	1.051	1084.1	1396.2	536.9	80.9	1.051	1.000	0.992	-0.011	1.000	0.002	0.000	0.01	0.14
31	19.491	0.000	-2.208	1.050	1082.9	1394.4	535.6	80.9	1.045	0.996	0.997	0.004	0.996	0.002	0.005	0.26	0.13

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	756	2.998	0.00	21	910	0.02	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	-0.750	-2.208	1.051	1083.7	1392.8	535.5	80.7	1.082	1.024	0.998	-0.051	1.024	-0.003	-0.006	-0.35	-0.16
2	11.167	-0.750	-2.208	1.052	1084.7	1394.8	536.7	80.8	1.058	1.005	0.998	-0.012	1.005	-0.001	-0.014	-0.79	-0.06
3	12.500	-0.750	-2.208	1.054	1086.4	1395.4	537.6	80.8	1.066	1.009	0.999	-0.020	1.009	0.001	-0.017	-0.97	0.04
4	13.833	-0.750	-2.208	1.053	1085.3	1393.4	536.3	80.9	1.083	1.024	0.999	-0.048	1.023	0.001	-0.015	-0.85	0.02
5	15.166	-0.750	-2.208	1.051	1083.8	1393.6	535.8	80.7	1.095	1.034	0.998	-0.070	1.034	-0.001	-0.009	-0.51	-0.05
6	16.499	-0.750	-2.208	1.050	1083.4	1393.9	535.7	80.7	1.117	1.051	0.996	-0.107	1.051	-0.003	0.000	0.02	-0.17
7	17.832	-0.750	-2.208	1.054	1086.6	1393.4	537.0	80.7	1.169	1.086	0.994	-0.178	1.086	-0.008	0.023	1.24	-0.41
8	19.165	-0.750	-2.208	1.054	1086.5	1395.2	537.6	80.8	1.109	1.042	0.992	-0.094	1.042	0.001	-0.004	-0.24	0.03
9	20.498	-0.750	-2.208	1.054	1086.0	1393.7	536.9	80.6	1.041	0.990	0.999	0.019	0.990	0.003	0.002	0.11	0.17

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	757	2.999	0.00	21	911	0.02	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
1	10.500	-2.750	-1.230	1.052	1084.9	1393.3	536.2	80.7	1.070	1.014	0.998	-0.030	1.014	-0.008	-0.006	-0.33	-0.44
2	11.833	-2.750	-1.230	1.055	1087.1	1393.6	537.3	80.7	1.032	0.982	0.999	0.034	0.982	-0.017	-0.030	-1.72	-0.97
3	13.166	-2.750	-1.230	1.051	1084.1	1394.8	536.4	80.7	1.046	0.996	0.998	0.006	0.995	-0.001	-0.034	-1.94	-0.05
4	14.499	-2.750	-1.230	1.050	1082.7	1393.0	535.1	80.7	1.084	1.027	0.997	-0.057	1.027	0.004	-0.019	-1.06	0.21
5	15.832	-2.750	-1.230	1.050	1082.8	1393.9	535.4	80.8	1.144	1.072	0.996	-0.147	1.072	0.008	0.007	0.37	0.44
6	17.165	-2.750	-1.230	1.053	1085.3	1393.8	536.6	80.7	1.201	1.111	0.993	-0.227	1.110	0.009	0.047	2.44	0.44
9	18.498	-2.750	-1.230	1.047	1080.2	1393.5	534.2	80.8	0.982	0.948	0.991	0.091	0.948	-0.005	0.009	0.52	-0.28
10	19.831	-2.750	-1.230	1.052	1085.0	1394.0	536.5	80.7	1.042	0.992	0.997	0.012	0.992	0.003	-0.000	-0.00	0.20

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	762	3.001	2.00	21	901	1.98	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
9	10.500	4.250	-1.230	1.051	1083.9	1394.1	536.1	80.6	1.111	1.046	0.997	-0.095	1.045	-0.000	0.039	2.14	-0.03
10	11.166	4.250	-1.230	1.052	1084.5	1393.3	536.0	80.7	1.059	1.006	0.997	-0.015	1.005	0.014	0.032	1.80	0.77
11	11.832	4.250	-1.230	1.050	1082.8	1392.5	535.0	80.5	1.032	0.986	0.998	0.027	0.985	0.027	0.025	1.46	1.56
12	12.498	4.250	-1.230	1.051	1084.1	1394.0	536.2	80.6	1.019	0.975	0.999	0.049	0.974	0.034	0.015	0.86	2.03
13	13.164	4.250	-1.230	1.053	1085.0	1394.0	536.6	80.6	1.003	0.961	0.999	0.076	0.961	0.036	-0.001	-0.04	2.16
14	13.830	4.250	-1.230	1.052	1084.4	1393.5	536.1	80.6	1.017	0.973	0.999	0.053	0.972	0.026	-0.012	-0.68	1.67
15	14.496	4.250	-1.230	1.053	1085.8	1393.1	536.6	80.6	1.040	0.989	0.999	0.020	0.989	0.016	-0.012	-0.69	0.94
16	15.162	4.250	-1.230	1.052	1084.6	1394.6	536.7	80.5	1.058	1.005	0.998	-0.011	1.005	0.007	-0.006	-0.37	0.41
17	15.828	4.250	-1.230	1.049	1081.8	1393.3	534.9	80.5	1.075	1.020	0.998	-0.043	1.020	0.002	0.003	0.17	0.14
18	16.494	4.250	-1.230	1.051	1083.8	1392.7	535.5	80.6	1.117	1.051	0.998	-0.104	1.050	-0.000	0.019	1.06	-0.01
19	17.160	4.250	-1.230	1.050	1082.6	1394.3	535.6	80.5	1.153	1.078	0.996	-0.160	1.078	-0.006	0.042	2.21	-0.30
20	17.826	4.250	-1.230	1.050	1083.1	1393.6	535.6	80.5	1.191	1.106	0.994	-0.216	1.103	-0.010	0.077	4.01	-0.52
21	18.492	4.250	-1.230	1.051	1084.1	1394.0	536.1	80.7	1.146	1.072	0.989	-0.155	1.071	0.014	0.038	2.01	0.72
22	19.158	4.250	-1.230	1.052	1084.8	1392.9	536.1	80.5	1.019	0.974	0.993	0.043	0.974	0.013	0.015	0.90	0.79
23	19.824	4.250	-1.230	1.054	1085.8	1394.2	537.0	80.5	1.039	0.989	0.998	0.020	0.988	0.011	0.018	1.04	0.65

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	765	3.004	2.00	21	904	2.00	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-2.730	1.053	1084.9	1394.2	536.7	80.4	1.109	1.044	0.997	-0.090	1.043	0.001	0.039	2.12	0.07
2	10.833	3.500	-2.730	1.052	1084.8	1392.8	536.0	80.6	1.103	1.039	0.998	-0.081	1.039	0.003	0.037	2.02	0.16
3	11.166	3.500	-2.730	1.054	1085.9	1393.6	536.8	80.6	1.073	1.015	0.997	-0.034	1.015	0.009	0.028	1.57	0.50
4	11.499	3.500	-2.730	1.054	1086.4	1393.7	537.1	80.6	1.042	0.990	0.998	0.017	0.990	0.014	0.021	1.20	0.81
5	11.832	3.500	-2.730	1.053	1085.5	1391.9	536.0	80.5	1.034	0.985	0.999	0.028	0.985	0.017	0.016	0.93	1.00
7	12.165	3.500	-2.730	1.049	1081.8	1393.6	535.0	80.6	1.035	0.990	0.999	0.019	0.989	0.018	0.010	0.58	1.02
8	12.498	3.500	-2.730	1.049	1081.7	1392.9	534.7	80.6	1.032	0.987	0.999	0.025	0.986	0.017	0.007	0.38	1.01
9	12.831	3.500	-2.730	1.049	1082.0	1393.4	535.0	80.6	1.030	0.985	0.999	0.028	0.985	0.018	0.004	0.22	1.02
10	13.164	3.500	-2.730	1.051	1083.4	1393.2	535.6	80.5	1.033	0.986	0.999	0.027	0.986	0.017	0.001	0.07	0.96
11	13.497	3.500	-2.730	1.050	1082.6	1392.1	534.8	80.5	1.031	0.986	0.999	0.028	0.985	0.015	-0.000	-0.01	0.89
12	13.830	3.500	-2.730	1.052	1084.8	1393.8	536.4	80.6	1.040	0.991	0.999	0.018	0.991	0.014	-0.001	-0.05	0.78
13	14.163	3.500	-2.730	1.053	1085.1	1393.1	536.3	80.4	1.048	0.996	0.999	0.007	0.996	0.012	-0.000	-0.02	0.71
14	14.496	3.500	-2.730	1.052	1084.3	1393.8	536.2	80.5	1.053	1.001	0.998	-0.005	1.001	0.010	0.001	0.06	0.60
15	14.829	3.500	-2.730	1.052	1084.4	1392.9	535.9	80.5	1.061	1.007	0.999	-0.016	1.007	0.009	0.004	0.20	0.53
16	15.162	3.500	-2.730	1.053	1085.6	1393.2	536.5	80.6	1.070	1.013	0.999	-0.027	1.013	0.008	0.005	0.29	0.45
17	15.495	3.500	-2.730	1.052	1084.4	1394.5	536.5	80.6	1.075	1.018	0.998	-0.039	1.018	0.007	0.007	0.39	0.40
18	15.828	3.500	-2.730	1.053	1085.0	1393.7	536.5	80.5	1.086	1.026	0.998	-0.054	1.026	0.006	0.010	0.56	0.34
19	16.161	3.500	-2.730	1.053	1085.1	1392.6	536.1	80.5	1.093	1.031	0.999	-0.064	1.031	0.006	0.013	0.72	0.31
20	16.494	3.500	-2.730	1.053	1085.0	1392.9	536.2	80.5	1.099	1.036	0.998	-0.074	1.036	0.005	0.017	0.92	0.27
21	16.827	3.500	-2.730	1.051	1083.3	1393.2	535.6	80.5	1.096	1.035	0.998	-0.073	1.035	0.003	0.020	1.12	0.15
22	17.160	3.500	-2.730	1.052	1084.9	1394.8	536.8	80.6	1.110	1.045	0.998	-0.091	1.044	0.002	0.025	1.37	0.10
23	17.493	3.500	-2.730	1.052	1084.2	1394.1	536.3	80.4	1.126	1.056	0.998	-0.115	1.056	0.001	0.031	1.70	0.07
24	17.826	3.500	-2.730	1.049	1081.8	1392.6	534.7	80.5	1.124	1.058	0.998	-0.117	1.057	-0.003	0.044	2.36	-0.19
25	18.159	3.500	-2.730	1.050	1082.5	1393.1	535.1	80.5	1.141	1.070	0.998	-0.142	1.069	-0.003	0.052	2.77	-0.18
26	18.492	3.500	-2.730	1.052	1084.9	1394.1	536.5	80.6	1.159	1.080	0.996	-0.164	1.079	-0.002	0.061	3.23	-0.10
27	18.825	3.500	-2.730	1.054	1085.9	1393.7	536.9	80.5	1.174	1.091	0.995	-0.186	1.089	0.002	0.069	3.61	0.08
28	19.158	3.500	-2.730	1.053	1085.5	1390.7	535.5	80.5	1.168	1.086	0.994	-0.177	1.084	0.009	0.066	3.51	0.49
29	19.491	3.500	-2.730	1.051	1083.2	1392.6	535.3	80.5	1.002	0.962	0.995	0.069	0.962	0.014	0.028	1.67	0.83

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	763	3.000	2.00	21	902	1.99	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.980	1.051	1083.9	1393.1	535.8	80.5	1.108	1.044	0.997	-0.090	1.043	0.002	0.039	2.16	0.11
2	10.833	3.500	-1.980	1.052	1084.2	1393.7	536.1	80.6	1.087	1.027	0.998	-0.057	1.027	0.007	0.033	1.82	0.40
3	11.166	3.500	-1.980	1.053	1085.4	1394.0	536.7	80.6	1.053	1.000	0.997	-0.003	0.999	0.014	0.026	1.48	0.82
4	11.499	3.500	-1.980	1.054	1086.2	1394.4	537.2	80.6	1.033	0.983	0.998	0.030	0.983	0.019	0.020	1.15	1.12
5	11.832	3.500	-1.980	1.048	1081.2	1392.1	534.2	80.5	1.033	0.988	0.999	0.022	0.988	0.022	0.014	0.80	1.26
6	12.165	3.500	-1.980	1.048	1081.5	1393.0	534.6	80.6	1.029	0.985	0.999	0.029	0.985	0.023	0.008	0.47	1.36
7	12.498	3.500	-1.980	1.049	1082.2	1392.8	534.9	80.6	1.027	0.983	0.999	0.034	0.982	0.024	0.004	0.22	1.37
8	12.831	3.500	-1.980	1.051	1083.4	1393.0	535.4	80.6	1.025	0.980	0.998	0.038	0.980	0.022	-0.000	-0.01	1.32
9	13.164	3.500	-1.980	1.051	1083.4	1393.7	535.8	80.5	1.028	0.982	0.999	0.035	0.982	0.021	-0.003	-0.19	1.21
10	13.497	3.500	-1.980	1.052	1084.7	1393.5	536.3	80.4	1.031	0.984	0.999	0.031	0.983	0.019	-0.006	-0.33	1.09
11	13.830	3.500	-1.980	1.052	1084.5	1392.3	535.8	80.4	1.034	0.986	0.999	0.027	0.986	0.016	-0.006	-0.35	0.94
12	14.163	3.500	-1.980	1.050	1083.0	1394.6	535.9	80.6	1.041	0.993	0.999	0.013	0.993	0.013	-0.006	-0.35	0.77
13	14.496	3.500	-1.980	1.049	1081.9	1394.1	535.2	80.6	1.039	0.993	0.999	0.013	0.992	0.011	-0.004	-0.24	0.65
14	14.829	3.500	-1.980	1.049	1081.9	1393.7	535.1	80.5	1.049	1.000	0.999	-0.002	1.000	0.009	-0.002	-0.09	0.50
15	15.162	3.500	-1.980	1.050	1082.8	1392.8	535.1	80.6	1.066	1.013	0.999	-0.027	1.013	0.007	0.004	0.20	0.40
16	15.495	3.500	-1.980	1.052	1084.5	1394.3	536.4	80.7	1.086	1.026	0.999	-0.054	1.026	0.005	0.008	0.43	0.30
17	15.828	3.500	-1.980	1.052	1084.2	1391.3	535.2	80.6	1.094	1.033	0.999	-0.067	1.033	0.005	0.012	0.66	0.27
18	16.161	3.500	-1.980	1.053	1085.5	1393.6	536.6	80.6	1.105	1.040	0.998	-0.082	1.040	0.004	0.015	0.82	0.20
19	16.494	3.500	-1.980	1.051	1083.6	1394.0	536.0	80.5	1.107	1.043	0.998	-0.089	1.043	0.003	0.018	0.99	0.15
20	16.827	3.500	-1.980	1.051	1083.9	1392.3	535.5	80.5	1.116	1.049	0.998	-0.101	1.049	0.001	0.024	1.29	0.07
21	17.160	3.500	-1.980	1.053	1085.6	1393.7	536.7	80.5	1.132	1.060	0.998	-0.122	1.059	0.001	0.033	1.80	0.04
23	17.493	3.500	-1.980	1.053	1085.0	1393.9	536.6	80.5	1.148	1.072	0.997	-0.147	1.072	-0.001	0.043	2.31	-0.05
24	17.826	3.500	-1.980	1.051	1083.6	1395.4	536.4	80.6	1.150	1.076	0.996	-0.155	1.074	-0.005	0.057	3.02	-0.26
25	18.159	3.500	-1.980	1.050	1083.0	1392.6	535.2	80.4	1.170	1.090	0.995	-0.185	1.088	-0.004	0.069	3.62	-0.21
26	18.492	3.500	-1.980	1.051	1083.7	1392.1	535.2	80.6	1.162	1.096	0.995	-0.201	1.096	0.001	0.075	3.90	0.07
27	18.825	3.500	-1.980	1.054	1086.1	1393.9	537.0	80.7	1.147	1.071	0.993	-0.149	1.070	0.012	0.046	2.44	0.67
28	19.158	3.500	-1.980	1.051	1083.4	1393.2	535.5	80.7	1.029	0.983	0.993	0.024	0.983	0.015	0.023	1.37	0.87
29	19.491	3.500	-1.980	1.050	1083.3	1394.2	535.8	80.7	0.998	0.958	0.996	0.078	0.958	0.015	0.020	1.20	0.89

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	764	3.001	2.00	21	903	1.99	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.230	1.054	1086.0	1393.9	536.9	80.7	1.098	1.034	0.996	-0.072	1.033	0.004	0.037	2.07	0.21
2	10.833	3.500	-1.230	1.052	1084.9	1392.6	535.9	80.6	1.064	1.009	0.998	-0.021	1.008	0.012	0.033	1.87	0.71
3	11.166	3.500	-1.230	1.053	1085.3	1393.5	536.5	80.6	1.034	0.986	0.998	0.026	0.985	0.020	0.027	1.59	1.15
4	11.499	3.500	-1.230	1.052	1084.7	1394.2	536.5	80.5	1.030	0.983	0.998	0.032	0.982	0.027	0.022	1.27	1.55
5	11.832	3.500	-1.230	1.052	1084.8	1392.7	536.0	80.6	1.017	0.973	0.999	0.054	0.972	0.031	0.016	0.91	1.84
6	12.165	3.500	-1.230	1.051	1083.3	1393.1	535.5	80.5	1.006	0.965	0.999	0.068	0.964	0.034	0.007	0.39	2.01
7	12.498	3.500	-1.230	1.050	1083.1	1392.1	535.1	80.4	0.996	0.957	0.999	0.085	0.957	0.033	-0.002	-0.10	1.99
8	12.831	3.500	-1.230	1.052	1084.3	1393.9	536.3	80.5	0.996	0.956	0.999	0.086	0.956	0.030	-0.009	-0.54	1.82
9	13.164	3.500	-1.230	1.053	1085.3	1394.0	536.7	80.5	1.005	0.962	0.999	0.073	0.962	0.027	-0.014	-0.81	1.61
10	13.497	3.500	-1.230	1.051	1083.9	1393.9	536.1	80.5	1.019	0.974	0.998	0.049	0.974	0.022	-0.016	-0.94	1.32
11	13.830	3.500	-1.230	1.051	1083.7	1393.0	535.6	80.5	1.029	0.983	0.999	0.033	0.983	0.018	-0.016	-0.91	1.03
12	14.163	3.500	-1.230	1.051	1084.1	1392.7	535.7	80.6	1.035	0.987	0.999	0.025	0.987	0.014	-0.014	-0.81	0.80
13	14.496	3.500	-1.230	1.053	1085.5	1394.3	536.8	80.7	1.040	0.990	0.999	0.019	0.989	0.010	-0.011	-0.66	0.59
14	14.829	3.500	-1.230	1.054	1086.0	1393.4	536.8	80.5	1.048	0.998	0.999	0.007	0.995	0.007	-0.008	-0.47	0.40
15	15.162	3.500	-1.230	1.048	1081.0	1392.7	534.3	80.5	1.047	0.999	0.998	-0.000	0.999	0.005	-0.004	-0.23	0.29
16	15.495	3.500	-1.230	1.049	1081.6	1392.7	534.6	80.4	1.064	1.012	0.999	-0.026	1.012	0.004	0.001	0.04	0.21
17	15.828	3.500	-1.230	1.050	1083.2	1393.7	535.7	80.5	1.079	1.022	0.998	-0.047	1.022	0.003	0.006	0.32	0.17
18	16.161	3.500	-1.230	1.051	1083.5	1392.9	535.5	80.5	1.099	1.037	0.998	-0.076	1.037	0.001	0.012	0.67	0.06
19	16.494	3.500	-1.230	1.051	1083.8	1394.2	536.1	80.6	1.126	1.057	0.997	-0.117	1.057	-0.000	0.023	1.25	-0.02
20	16.827	3.500	-1.230	1.051	1083.8	1393.6	535.9	80.5	1.142	1.069	0.997	-0.141	1.068	-0.002	0.034	1.80	-0.13
21	17.160	3.500	-1.230	1.052	1084.5	1393.4	536.1	80.5	1.160	1.082	0.996	-0.167	1.081	-0.003	0.048	2.53	-0.18
22	17.493	3.500	-1.230	1.053	1085.9	1394.0	536.9	80.7	1.179	1.094	0.994	-0.193	1.092	-0.004	0.062	3.27	-0.19
23	17.826	3.500	-1.230	1.054	1086.5	1392.1	536.5	80.6	1.195	1.106	0.993	-0.216	1.103	-0.003	0.075	3.86	-0.17
24	18.159	3.500	-1.230	1.050	1082.5	1392.2	534.9	80.4	1.180	1.099	0.992	-0.203	1.096	0.002	0.073	3.83	0.08
25	18.492	3.500	-1.230	1.051	1083.7	1393.1	535.7	80.5	1.095	1.034	0.992	-0.077	1.033	0.014	0.033	1.84	0.76
26	18.825	3.500	-1.230	1.053	1085.4	1394.1	536.8	80.5	1.026	0.979	0.992	0.031	0.979	0.017	0.023	1.32	0.97
27	19.158	3.500	-1.230	1.052	1084.2	1392.5	535.7	80.5	1.041	0.992	0.998	0.014	0.991	0.015	0.020	1.15	0.84
28	19.491	3.500	-1.230	1.053	1085.6	1393.4	536.6	80.5	1.043	0.992	0.998	0.013	0.992	0.012	0.018	1.05	0.68

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	766	3.003	2.00	21	905	2.00	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-1.230	1.050	1083.0	1394.3	535.9	80.4	1.083	1.026	0.997	-0.054	1.025	0.011	0.035	1.95	0.60
2	11.166	2.750	-1.230	1.051	1083.8	1392.8	535.6	80.5	1.029	0.983	0.998	0.032	0.982	0.025	0.019	1.12	1.46
3	11.832	2.750	-1.230	1.053	1085.3	1392.9	536.3	80.5	0.997	0.956	0.999	0.087	0.955	0.030	0.000	0.01	1.79
4	12.498	2.750	-1.230	1.053	1085.5	1392.9	536.4	80.5	1.000	0.958	0.999	0.063	0.958	0.025	-0.013	-0.78	1.47
5	13.164	2.750	-1.230	1.054	1085.9	1392.3	536.4	80.4	1.021	0.974	0.999	0.050	0.974	0.016	-0.017	-1.01	0.95
6	13.830	2.750	-1.230	1.052	1084.4	1391.5	535.4	80.4	1.034	0.986	0.999	0.027	0.986	0.010	-0.015	-0.86	0.57
7	14.496	2.750	-1.230	1.052	1084.0	1392.1	535.5	80.4	1.041	0.992	0.998	0.015	0.992	0.007	-0.010	-0.56	0.38
8	15.162	2.750	-1.230	1.050	1082.6	1393.0	535.2	80.4	1.048	0.999	0.998	0.001	0.999	0.006	-0.002	-0.12	0.32
9	15.828	2.750	-1.230	1.052	1084.3	1393.1	536.0	80.4	1.073	1.017	0.998	-0.036	1.017	0.005	0.007	0.39	0.29
10	16.494	2.750	-1.230	1.055	1086.7	1392.7	536.9	80.4	1.130	1.058	0.997	-0.118	1.057	0.000	0.027	1.47	0.02
11	17.160	2.750	-1.230	1.052	1084.8	1394.3	536.7	80.4	1.160	1.081	0.996	-0.166	1.080	0.001	0.050	2.67	0.07
12	17.826	2.750	-1.230	1.054	1086.2	1392.4	536.5	80.4	1.186	1.099	0.993	-0.205	1.097	0.007	0.071	3.68	0.35
13	18.492	2.750	-1.230	1.052	1084.2	1393.8	536.2	80.4	1.060	1.006	0.992	-0.023	1.006	0.014	0.030	1.68	0.79
14	19.158	2.750	-1.230	1.053	1085.6	1392.7	536.4	80.4	1.057	1.003	0.998	-0.008	1.003	0.013	0.020	1.12	0.76
15	19.824	2.750	-1.230	1.053	1085.3	1393.2	536.4	80.4	1.039	0.989	0.997	0.019	0.989	0.011	0.020	1.18	0.61

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	767	2.999	2.00	21	906	2.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
1	9.834	0.750	-2.208	1.050	1082.7	1393.0	535.2	80.5	1.087	1.028	0.998	-0.060	1.028	0.006	0.020	1.12	0.44
2	10.500	0.750	-2.208	1.051	1083.4	1392.1	535.2	80.4	1.070	1.015	0.998	-0.032	1.015	0.007	0.017	0.97	0.40
3	11.166	0.750	-2.208	1.053	1085.2	1393.8	536.6	80.4	1.041	0.991	0.998	0.016	0.991	0.004	0.008	0.46	0.23
4	11.832	0.750	-2.208	1.054	1085.7	1393.7	536.8	80.4	1.034	0.985	0.999	0.029	0.985	0.003	0.002	0.10	0.15
5	12.498	0.750	-2.208	1.054	1086.1	1393.8	537.0	80.4	1.038	0.987	0.999	0.024	0.987	0.002	-0.002	-0.12	0.09
6	13.164	0.750	-2.208	1.049	1081.9	1392.4	534.7	80.4	1.040	0.993	0.999	0.013	0.993	0.001	-0.004	-0.22	0.05
7	13.830	0.750	-2.208	1.052	1084.1	1394.6	536.5	80.4	1.049	0.998	0.998	0.002	0.998	0.001	-0.003	-0.20	0.04
8	14.496	0.750	-2.208	1.048	1081.4	1392.9	534.6	80.5	1.054	1.005	0.999	-0.011	1.005	0.002	-0.001	-0.05	0.12
9	15.162	0.750	-2.208	1.051	1083.7	1393.5	535.8	80.6	1.068	1.013	0.998	-0.029	1.013	0.004	0.001	0.07	0.22
10	15.828	0.750	-2.208	1.052	1084.6	1392.3	535.8	80.4	1.078	1.020	0.999	-0.041	1.020	0.005	0.005	0.26	0.26
11	16.494	0.750	-2.208	1.051	1083.1	1393.6	535.7	80.4	1.087	1.028	0.997	-0.060	1.028	0.007	0.009	0.53	0.39
12	17.160	0.750	-2.208	1.052	1084.3	1392.3	535.6	80.5	1.108	1.043	0.998	-0.089	1.043	0.009	0.016	0.89	0.48
13	17.826	0.750	-2.208	1.052	1084.6	1393.0	536.1	80.4	1.136	1.064	0.996	-0.131	1.064	0.010	0.026	1.42	0.53
14	18.492	0.750	-2.208	1.053	1085.0	1394.4	536.8	80.4	1.150	1.074	0.995	-0.152	1.073	0.011	0.033	1.76	0.59
15	19.158	0.750	-2.208	1.050	1082.8	1392.9	535.2	80.5	1.081	1.001	0.997	-0.086	1.001	0.010	0.022	1.26	0.56
16	19.824	0.750	-2.208	1.052	1084.3	1392.2	535.6	80.5	1.046	0.995	0.999	0.008	0.995	0.007	0.018	1.02	0.43

DATE 9-MAR-78 PROJECT NO P41C-N0C
APO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	912	2.999	2.00	21	909	2.00	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.000	-3.708	1.051	1085.3	1399.4	538.0	82.4	1.119	1.053	0.999	-0.106	1.052	-0.003	0.034	1.64	-0.17
2	10.167	0.000	-3.708	1.052	1086.2	1400.6	538.8	82.5	1.113	1.047	0.998	-0.097	1.047	-0.003	0.035	1.90	-0.16
3	10.500	0.000	-3.708	1.051	1086.0	1400.0	538.4	82.6	1.109	1.044	0.998	-0.091	1.044	-0.003	0.034	1.65	-0.15
4	10.833	0.000	-3.708	1.051	1086.2	1399.5	538.3	82.7	1.101	1.038	0.999	-0.077	1.038	-0.003	0.030	1.64	-0.15
5	11.166	0.000	-3.708	1.051	1085.9	1400.8	538.6	82.7	1.092	1.032	0.999	-0.065	1.031	-0.003	0.024	1.31	-0.17
6	11.499	0.000	-3.708	1.052	1087.0	1401.3	539.4	82.6	1.061	1.006	0.998	-0.015	1.006	-0.003	0.015	0.88	-0.17
7	11.832	0.000	-3.708	1.051	1085.8	1399.0	538.1	82.3	1.043	0.993	0.999	0.012	0.993	-0.003	0.010	0.57	-0.14
8	12.165	0.000	-3.708	1.053	1087.1	1398.7	538.5	82.4	1.043	0.992	0.999	0.015	0.992	-0.002	0.006	0.37	-0.13
9	12.498	0.000	-3.708	1.053	1087.7	1400.0	539.2	82.5	1.045	0.993	1.000	0.013	0.993	-0.002	0.005	0.27	-0.13
10	12.831	0.000	-3.708	1.050	1084.9	1399.7	537.8	82.5	1.044	0.995	1.000	0.009	0.995	-0.002	0.003	0.17	-0.12
11	13.164	0.000	-3.708	1.049	1083.9	1398.9	537.0	82.6	1.042	0.995	1.001	0.011	0.995	-0.002	0.002	0.10	-0.11
12	13.497	0.000	-3.708	1.051	1086.2	1400.5	538.6	82.7	1.048	0.997	0.999	0.004	0.997	-0.002	0.002	0.11	-0.12
13	13.830	0.000	-3.708	1.052	1086.8	1400.6	539.0	82.7	1.049	0.998	0.999	0.003	0.998	-0.002	0.002	0.11	-0.11
14	14.163	0.000	-3.708	1.053	1087.4	1400.2	539.1	82.7	1.057	1.003	0.999	-0.007	1.003	-0.002	0.003	0.15	-0.09
15	14.496	0.000	-3.708	1.051	1085.9	1399.9	538.3	82.7	1.056	1.004	0.999	-0.008	1.004	-0.001	0.004	0.20	-0.09
16	14.829	0.000	-3.708	1.053	1087.3	1399.9	538.9	82.7	1.065	1.010	0.999	-0.020	1.010	-0.001	0.004	0.25	-0.08
17	15.162	0.000	-3.708	1.054	1088.2	1400.9	539.7	82.6	1.072	1.014	0.999	-0.030	1.014	-0.002	0.006	0.35	-0.09
18	15.495	0.000	-3.708	1.054	1088.5	1399.5	539.3	82.7	1.076	1.017	0.999	-0.035	1.017	-0.002	0.008	0.46	-0.10
19	15.828	0.000	-3.708	1.050	1084.7	1399.1	537.5	82.5	1.079	1.022	1.000	-0.045	1.022	-0.002	0.011	0.60	-0.09
20	16.161	0.000	-3.708	1.052	1086.3	1400.0	538.6	82.6	1.086	1.026	0.999	-0.054	1.026	-0.002	0.013	0.72	-0.10
21	16.494	0.000	-3.708	1.053	1087.3	1399.9	538.9	82.6	1.092	1.030	0.999	-0.062	1.030	-0.002	0.015	0.82	-0.09
22	16.827	0.000	-3.708	1.053	1087.6	1400.1	539.2	82.6	1.098	1.034	0.999	-0.069	1.034	-0.002	0.017	0.95	-0.11
23	17.160	0.000	-3.708	1.052	1086.6	1400.9	539.0	82.7	1.104	1.044	0.998	-0.090	1.044	-0.002	0.019	1.02	-0.12
24	17.493	0.000	-3.708	1.052	1087.3	1399.9	538.8	82.9	1.115	1.048	0.999	-0.097	1.048	-0.002	0.022	1.23	-0.11
25	17.826	0.000	-3.708	1.051	1086.1	1401.8	539.0	83.0	1.122	1.054	0.998	-0.110	1.054	-0.003	0.026	1.43	-0.15
26	18.159	0.000	-3.708	1.052	1086.5	1401.9	539.3	82.7	1.102	1.039	0.998	-0.080	1.038	-0.003	0.039	2.14	-0.15
27	18.492	0.000	-3.708	1.053	1087.1	1400.0	538.9	82.7	1.115	1.048	0.998	-0.099	1.047	-0.002	0.043	2.36	-0.12
28	18.825	0.000	-3.708	1.051	1086.3	1400.6	538.7	82.8	1.125	1.056	0.998	-0.114	1.055	-0.001	0.049	2.62	-0.08
29	19.158	0.000	-3.708	1.052	1086.7	1402.1	539.5	82.9	1.129	1.059	0.998	-0.120	1.058	-0.001	0.053	2.84	-0.06
30	19.491	0.000	-3.708	1.054	1088.3	1401.3	539.7	83.0	1.130	1.058	0.997	-0.119	1.057	-0.001	0.053	2.89	-0.07

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	768	3.000	2.00	21	907	2.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
1	9.834	0.000	-2.958	1.050	1082.7	1392.9	535.2	80.3	1.109	1.045	0.997	-0.093	1.045	-0.001	0.029	1.60	-0.07
2	10.167	0.000	-2.958	1.050	1082.9	1392.0	534.9	80.4	1.103	1.041	0.998	-0.084	1.040	-0.001	0.029	1.61	-0.08
3	10.500	0.000	-2.958	1.050	1082.9	1391.9	534.9	80.4	1.094	1.034	0.998	-0.070	1.034	-0.001	0.026	1.43	-0.07
4	10.833	0.000	-2.958	1.051	1083.4	1392.1	535.2	80.4	1.076	1.020	0.998	-0.042	1.019	-0.001	0.021	1.20	-0.06
5	11.166	0.000	-2.958	1.051	1083.4	1392.4	535.3	80.5	1.051	1.000	0.998	-0.003	1.000	-0.001	0.014	0.80	-0.07
6	11.499	0.000	-2.958	1.053	1085.1	1393.6	536.5	80.5	1.033	0.985	0.998	0.027	0.985	-0.001	0.009	0.52	-0.06
7	11.832	0.000	-2.958	1.050	1082.4	1392.4	534.8	80.5	1.031	0.986	0.999	0.028	0.986	-0.001	0.004	0.25	-0.06
8	12.165	0.000	-2.958	1.050	1082.9	1391.7	534.8	80.5	1.033	0.986	0.999	0.026	0.986	-0.001	0.003	0.15	-0.05
9	12.498	0.000	-2.958	1.048	1081.4	1392.1	534.3	80.5	1.031	0.987	0.999	0.025	0.987	-0.001	0.001	0.04	-0.04
10	12.831	0.000	-2.958	1.049	1081.7	1392.0	534.4	80.5	1.032	0.987	0.999	0.026	0.987	-0.001	-0.000	-0.01	-0.04
11	13.164	0.000	-2.958	1.051	1083.5	1393.9	535.9	80.6	1.036	0.989	0.999	0.021	0.989	-0.001	-0.001	-0.06	-0.04
12	13.497	0.000	-2.958	1.052	1084.3	1393.8	536.1	80.6	1.040	0.991	0.999	0.016	0.991	-0.001	-0.001	-0.05	-0.04
13	13.830	0.000	-2.958	1.052	1084.8	1394.1	536.6	80.5	1.045	0.994	0.999	0.010	0.994	-0.000	-0.001	-0.06	-0.01
14	14.163	0.000	-2.958	1.051	1083.8	1394.7	536.3	80.5	1.046	0.996	0.999	0.007	0.996	-0.000	-0.000	-0.01	-0.01
15	14.496	0.000	-2.958	1.052	1084.1	1393.3	535.9	80.5	1.049	0.998	0.999	0.002	0.998	-0.000	0.001	0.04	-0.00
16	14.829	0.000	-2.958	1.050	1082.8	1394.6	535.8	80.6	1.054	1.003	0.998	-0.009	1.003	0.000	0.002	0.09	0.00
17	15.162	0.000	-2.958	1.050	1083.4	1393.5	535.6	80.7	1.061	1.008	0.998	-0.019	1.008	0.000	0.003	0.19	0.01
18	15.495	0.000	-2.958	1.052	1084.6	1394.2	536.4	80.6	1.068	1.012	0.998	-0.027	1.012	0.000	0.005	0.29	0.03
19	15.828	0.000	-2.958	1.053	1085.6	1394.2	536.9	80.5	1.075	1.017	0.996	-0.037	1.017	0.001	0.008	0.45	0.03
20	16.161	0.000	-2.958	1.051	1083.2	1392.4	535.2	80.4	1.079	1.022	0.998	-0.046	1.022	0.000	0.010	0.57	0.02
21	16.494	0.000	-2.958	1.052	1084.2	1392.9	535.8	80.5	1.088	1.028	0.999	-0.057	1.028	0.001	0.013	0.72	0.03
22	16.827	0.000	-2.958	1.050	1082.9	1393.1	535.4	80.4	1.102	1.040	0.999	-0.081	1.039	0.000	0.016	0.86	0.01
23	17.160	0.000	-2.958	1.052	1084.2	1393.9	536.2	80.5	1.113	1.047	0.998	-0.096	1.047	0.000	0.019	1.06	0.00
24	17.493	0.000	-2.958	1.050	1082.7	1392.9	535.1	80.5	1.121	1.055	0.998	-0.111	1.054	-0.001	0.024	1.29	-0.03
25	17.826	0.000	-2.958	1.052	1084.6	1394.5	536.6	80.6	1.133	1.062	0.996	-0.127	1.061	-0.001	0.028	1.53	-0.05
26	18.159	0.000	-2.958	1.051	1083.9	1392.4	535.5	80.5	1.139	1.067	0.997	-0.137	1.067	-0.002	0.034	1.80	-0.10
27	18.492	0.000	-2.958	1.053	1085.2	1394.5	536.8	80.6	1.140	1.066	0.996	-0.137	1.065	-0.002	0.043	2.31	-0.09
28	18.825	0.000	-2.958	1.055	1086.7	1395.0	537.7	80.5	1.149	1.072	0.994	-0.149	1.071	-0.000	0.046	2.45	-0.02
29	19.158	0.000	-2.958	1.050	1082.9	1393.0	535.3	80.4	1.073	1.017	0.996	-0.039	1.017	0.001	0.030	1.68	0.06
30	19.491	0.000	-2.958	1.052	1084.2	1394.3	536.3	80.6	1.042	0.992	0.996	0.010	0.992	0.001	0.025	1.45	0.07

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	ReX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	911	3.000	2.00	21	908	1.99	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SKL
1	9.834	0.000	-2.208	1.047	1041.1	1397.4	535.8	81.4	1.102	1.043	0.997	-0.089	1.043	-0.003	0.015	0.83	-0.16
2	10.167	0.000	-2.208	1.050	1043.6	1394.9	535.9	81.4	1.091	1.032	0.998	-0.066	1.032	-0.003	0.016	0.90	-0.15
3	10.500	0.000	-2.208	1.051	1044.8	1396.6	537.1	81.5	1.080	1.022	0.998	-0.046	1.022	-0.002	0.015	0.83	-0.12
4	10.833	0.000	-2.208	1.052	1045.9	1396.7	537.6	81.5	1.067	1.011	0.998	-0.024	1.011	-0.002	0.011	0.62	-0.14
5	11.166	0.000	-2.208	1.052	1045.1	1396.7	537.3	81.3	1.053	1.001	0.999	-0.004	1.001	-0.003	0.007	0.42	-0.16
6	11.499	0.000	-2.208	1.053	1046.1	1396.6	537.7	81.4	1.048	0.997	0.999	0.005	0.997	-0.003	0.005	0.26	-0.16
7	11.832	0.000	-2.208	1.054	1047.2	1397.1	538.3	81.4	1.047	0.994	0.999	0.010	0.994	-0.003	0.003	0.15	-0.17
8	12.165	0.000	-2.208	1.052	1045.1	1398.0	537.7	81.5	1.048	0.997	0.999	0.004	0.997	-0.003	0.000	0.02	-0.17
9	12.498	0.000	-2.208	1.052	1045.4	1397.3	537.5	81.6	1.050	0.998	0.999	0.002	0.998	-0.003	-0.001	-0.07	-0.16
10	12.831	0.000	-2.208	1.052	1046.1	1397.3	537.8	81.7	1.051	0.999	0.999	0.001	0.999	-0.002	-0.002	-0.11	-0.14
11	13.164	0.000	-2.208	1.052	1045.9	1396.2	537.3	81.7	1.053	1.001	0.999	-0.002	1.001	-0.002	-0.002	-0.13	-0.14
12	13.497	0.000	-2.208	1.050	1044.1	1397.7	537.1	81.7	1.057	1.005	0.999	-0.011	1.005	-0.002	-0.002	-0.13	-0.12
13	13.830	0.000	-2.208	1.052	1045.6	1397.3	537.6	81.7	1.059	1.006	0.999	-0.013	1.006	-0.002	-0.002	-0.10	-0.12
14	14.163	0.000	-2.208	1.052	1045.6	1396.9	537.4	81.7	1.062	1.008	0.999	-0.017	1.008	-0.002	-0.002	-0.11	-0.09
15	14.496	0.000	-2.208	1.053	1046.6	1396.9	537.8	81.8	1.069	1.013	1.000	-0.025	1.013	-0.002	-0.001	-0.08	-0.11
16	14.829	0.000	-2.208	1.049	1043.0	1396.3	536.0	81.8	1.070	1.017	0.999	-0.034	1.017	-0.001	0.000	0.01	-0.08
17	15.162	0.000	-2.208	1.051	1045.3	1397.4	537.4	82.0	1.078	1.021	1.001	-0.041	1.021	-0.001	0.002	0.09	-0.08
18	15.495	0.000	-2.208	1.052	1046.0	1397.7	537.8	82.0	1.082	1.023	1.000	-0.046	1.023	-0.001	0.002	0.12	-0.06
19	15.828	0.000	-2.208	1.054	1046.7	1398.3	538.3	82.0	1.085	1.025	1.000	-0.050	1.025	-0.001	0.003	0.19	-0.04
20	16.161	0.000	-2.208	1.051	1047.5	1398.0	538.6	81.9	1.087	1.026	0.999	-0.053	1.026	-0.000	0.004	0.24	-0.02
21	16.494	0.000	-2.208	1.050	1044.0	1397.2	536.8	81.8	1.091	1.032	0.999	-0.064	1.032	-0.001	0.007	0.37	-0.06
22	16.827	0.000	-2.208	1.052	1045.8	1398.0	537.8	82.0	1.098	1.036	0.999	-0.073	1.036	-0.001	0.009	0.50	-0.06
23	17.160	0.000	-2.208	1.052	1046.4	1398.6	538.3	82.1	1.107	1.042	0.998	-0.086	1.042	-0.001	0.011	0.63	-0.07
24	17.493	0.000	-2.208	1.053	1046.9	1398.0	538.3	82.1	1.116	1.048	0.998	-0.098	1.048	-0.002	0.015	0.80	-0.09
25	17.826	0.000	-2.208	1.053	1046.8	1400.2	539.2	81.9	1.131	1.060	0.996	-0.123	1.060	-0.002	0.017	0.94	-0.10
26	18.159	0.000	-2.208	1.053	1046.8	1396.5	538.4	82.0	1.141	1.067	0.996	-0.138	1.067	-0.002	0.021	1.13	-0.09
27	18.492	0.000	-2.208	1.051	1045.4	1400.2	538.4	82.3	1.126	1.057	0.995	-0.120	1.057	-0.002	0.023	1.27	-0.10
28	18.825	0.000	-2.208	1.051	1045.7	1397.7	537.6	82.2	1.102	1.039	0.996	-0.082	1.039	-0.000	0.021	1.16	-0.01
29	19.158	0.000	-2.208	1.051	1044.9	1397.7	537.2	82.1	1.050	1.000	0.997	-0.003	0.999	0.001	0.019	1.11	0.07
30	19.491	0.000	-2.208	1.052	1045.3	1398.8	538.0	82.2	1.058	1.005	0.998	-0.012	1.005	0.001	0.018	1.05	0.03

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	913	3.000	2.00	21	910	2.00	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	-0.750	-2.208	1.052	1087.0	1401.5	539.3	83.0	1.088	1.028	0.998	-0.058	1.027	-0.011	0.021	1.18	-0.63
2	11.167	-0.750	-2.208	1.055	1089.7	1402.1	540.5	83.3	1.048	0.995	0.999	0.008	0.995	-0.006	0.010	0.58	-0.47
5	12.500	-0.750	-2.208	1.048	1084.0	1401.6	537.9	83.1	1.045	0.998	1.000	0.005	0.998	-0.005	-0.001	-0.08	-0.39
6	13.833	-0.750	-2.208	1.052	1087.3	1401.4	539.2	83.3	1.058	1.005	1.000	-0.009	1.005	-0.004	-0.003	-0.17	-0.20
9	15.166	-0.750	-2.208	1.052	1087.3	1400.9	539.1	83.1	1.076	1.018	1.000	-0.036	1.018	-0.005	0.001	0.05	-0.28
11	16.499	-0.750	-2.208	1.052	1086.8	1401.9	539.3	83.0	1.092	1.031	0.999	-0.064	1.031	-0.007	0.010	0.55	-0.41
13	17.832	-0.750	-2.208	1.050	1085.4	1402.3	538.8	83.1	1.139	1.068	0.997	-0.139	1.068	-0.014	0.026	1.40	-0.75
14	19.165	-0.750	-2.208	1.054	1089.1	1403.2	540.7	83.3	1.072	1.014	0.995	-0.035	1.014	-0.005	0.017	0.97	-0.30
17	20.498	-0.750	-2.208	1.052	1086.6	1402.2	539.4	83.0	1.053	1.001	1.000	-0.002	1.001	-0.005	0.016	0.94	-0.31

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALPA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	914	3.000	2.00	21	911	2.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	-2.750	-1.230	1.052	1087.4	1402.1	539.6	83.2	1.076	1.019	0.998	-0.040	1.018	-0.015	0.034	1.94	-0.85
3	11.833	-2.750	-1.230	1.053	1088.3	1402.2	540.0	83.2	0.998	0.956	0.999	0.087	0.956	-0.032	0.002	0.14	-1.93
8	13.166	-2.750	-1.230	1.054	1088.9	1402.4	540.3	83.3	1.029	0.981	0.999	0.038	0.980	-0.020	-0.017	-1.01	-1.15
10	14.499	-2.750	-1.230	1.051	1086.7	1404.8	540.1	83.6	1.045	0.995	0.997	0.005	0.995	-0.010	-0.011	-0.66	-0.67
38	15.832	-2.750	-1.230	1.051	1087.4	1404.8	540.3	83.9	1.080	1.022	0.999	-0.046	1.022	-0.006	0.006	0.34	-0.35
40	17.165	-2.750	-1.230	1.051	1087.2	1404.4	540.0	84.0	1.169	1.089	0.996	-0.181	1.068	-0.003	0.052	2.76	-0.17
41	18.498	-2.750	-1.230	1.051	1086.7	1404.2	539.8	83.8	1.035	0.988	0.994	0.016	0.987	-0.015	0.027	1.57	-0.90
44	19.831	-2.750	-1.230	1.052	1088.1	1405.2	540.7	83.9	1.053	1.001	0.999	-0.004	1.001	-0.009	0.018	1.01	-0.52

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	920	2.997	5.00	21	901	5.00	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
8	10.500	4.250	-1.230	1.053	1089.3	1405.6	541.1	84.7	1.117	1.049	0.998	-0.100	1.045	0.002	0.096	5.23	0.09
9	11.166	4.250	-1.230	1.051	1088.2	1407.6	541.4	84.7	1.038	0.989	0.998	0.019	0.985	0.023	0.085	4.96	1.35
10	11.832	4.250	-1.230	1.052	1088.5	1407.4	541.4	84.7	1.006	0.964	0.999	0.071	0.960	0.039	0.077	4.59	2.35
11	12.498	4.250	-1.230	1.052	1088.9	1405.9	541.0	84.7	0.967	0.932	1.000	0.136	0.928	0.058	0.065	4.00	3.55
12	13.164	4.250	-1.230	1.050	1087.1	1407.2	540.8	84.6	0.943	0.914	0.999	0.170	0.911	0.066	0.041	2.57	4.13
13	13.830	4.250	-1.230	1.052	1088.8	1407.6	541.7	84.6	0.946	0.915	0.999	0.169	0.913	0.059	0.021	1.31	3.69
14	14.496	4.250	-1.230	1.053	1089.4	1407.2	541.8	84.6	0.964	0.929	0.999	0.140	0.928	0.047	0.012	0.72	2.92
15	15.162	4.250	-1.230	1.051	1088.3	1406.6	541.0	84.7	0.982	0.945	0.999	0.109	0.944	0.036	0.012	0.71	2.20
16	15.828	4.250	-1.230	1.054	1090.0	1406.9	542.0	84.6	1.015	0.970	1.000	0.060	0.969	0.028	0.016	0.93	1.64
17	16.494	4.250	-1.230	1.051	1087.7	1406.5	540.8	84.5	1.043	0.994	0.999	0.011	0.993	0.021	0.027	1.53	1.21
18	17.160	4.250	-1.230	1.050	1087.0	1406.8	540.6	84.6	1.111	1.047	0.999	-0.095	1.045	0.015	0.055	3.00	0.62
19	17.826	4.250	-1.230	1.053	1089.3	1407.8	541.9	84.7	1.155	1.078	0.997	-0.159	1.075	0.017	0.081	4.29	0.93
23	18.492	4.250	-1.230	1.048	1085.3	1405.4	539.2	84.7	1.089	1.032	0.996	-0.069	1.030	0.036	0.060	3.36	2.02
24	19.158	4.250	-1.230	1.053	1089.6	1409.8	542.8	84.7	1.063	1.008	0.998	-0.018	1.006	0.037	0.047	2.66	2.13
25	19.824	4.250	-1.230	1.054	1090.7	1407.8	542.6	84.7	1.063	1.006	0.998	-0.015	1.005	0.036	0.045	2.55	2.03

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	923	2.998	5.00	21	904	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
1	10.500	3.500	-2.730	1.048	1084.9	1407.3	539.8	84.7	1.123	1.058	0.997	-0.118	1.054	0.005	0.094	5.10	0.29
2	10.833	3.500	-2.730	1.053	1090.0	1409.4	542.8	84.9	1.103	1.039	0.997	-0.080	1.035	0.009	0.091	5.03	0.48
4	11.166	3.500	-2.730	1.053	1089.7	1408.3	542.2	84.9	1.046	0.995	0.998	0.008	0.992	0.017	0.076	4.40	0.98
5	11.499	3.500	-2.730	1.053	1089.4	1409.0	542.4	84.9	1.029	0.982	0.998	0.034	0.979	0.022	0.070	4.09	1.30
6	11.832	3.500	-2.730	1.053	1090.0	1410.3	543.1	84.9	1.015	0.970	0.998	0.059	0.967	0.026	0.064	3.76	1.55
7	12.165	3.500	-2.730	1.051	1087.7	1408.7	541.5	84.8	1.010	0.968	0.999	0.062	0.966	0.029	0.057	3.39	1.69
8	12.498	3.500	-2.730	1.050	1087.0	1405.6	540.0	84.8	0.998	0.959	1.000	0.081	0.958	0.030	0.052	3.09	1.81
9	12.831	3.500	-2.730	1.050	1087.7	1407.0	540.8	85.0	0.995	0.956	1.000	0.088	0.954	0.032	0.047	2.80	1.92
10	13.164	3.500	-2.730	1.053	1089.8	1409.0	542.5	84.9	0.995	0.954	0.999	0.091	0.953	0.032	0.041	2.47	1.95
11	13.497	3.500	-2.730	1.053	1089.9	1408.6	542.4	84.9	0.995	0.954	0.999	0.091	0.953	0.032	0.037	2.24	1.92
12	13.830	3.500	-2.730	1.053	1089.8	1406.9	541.7	85.0	0.995	0.954	1.000	0.092	0.953	0.031	0.033	2.01	1.86
14	14.163	3.500	-2.730	1.050	1087.6	1408.0	541.2	84.9	0.994	0.955	0.999	0.088	0.954	0.029	0.030	1.82	1.77
15	14.496	3.500	-2.730	1.052	1088.8	1409.7	542.4	84.9	1.000	0.959	0.999	0.080	0.958	0.028	0.029	1.70	1.68
16	14.829	3.500	-2.730	1.052	1089.3	1407.9	541.9	85.0	1.000	0.959	0.999	0.082	0.958	0.026	0.028	1.69	1.57
17	15.162	3.500	-2.730	1.053	1089.5	1408.3	542.2	84.9	1.006	0.963	1.000	0.073	0.953	0.024	0.028	1.65	1.46
18	15.495	3.500	-2.730	1.052	1088.4	1408.7	541.9	84.8	1.007	0.965	0.999	0.069	0.964	0.022	0.029	1.70	1.33
19	15.828	3.500	-2.730	1.052	1089.1	1407.7	541.7	84.9	1.012	0.969	0.999	0.061	0.968	0.020	0.029	1.72	1.18
20	16.161	3.500	-2.730	1.054	1090.2	1408.1	542.4	84.9	1.026	0.980	0.999	0.040	0.979	0.019	0.032	1.84	1.10
22	16.494	3.500	-2.730	1.049	1086.4	1408.6	540.8	85.0	1.035	0.989	0.999	0.020	0.988	0.018	0.036	2.09	1.03
23	16.827	3.500	-2.730	1.049	1086.9	1408.0	540.8	85.0	1.044	0.995	0.999	0.008	0.994	0.017	0.042	2.41	0.96
24	17.160	3.500	-2.730	1.054	1090.7	1408.8	542.9	84.9	1.064	1.008	0.999	-0.016	1.006	0.015	0.047	2.67	0.86
25	17.493	3.500	-2.730	1.051	1088.5	1408.7	541.8	85.1	1.078	1.021	0.999	-0.043	1.019	0.015	0.053	2.99	0.82
26	17.826	3.500	-2.730	1.052	1088.6	1408.3	541.7	84.9	1.095	1.034	0.999	-0.068	1.032	0.015	0.061	3.36	0.81
27	18.159	3.500	-2.730	1.053	1089.7	1407.7	542.0	84.8	1.113	1.046	0.999	-0.093	1.044	0.016	0.068	3.74	0.85
28	18.492	3.500	-2.730	1.053	1089.5	1408.4	542.1	85.0	1.124	1.055	0.998	-0.111	1.052	0.018	0.075	4.06	1.00
29	18.825	3.500	-2.730	1.053	1089.8	1408.2	542.2	85.0	1.132	1.060	0.998	-0.123	1.057	0.022	0.080	4.34	1.17
30	19.158	3.500	-2.730	1.051	1087.8	1408.1	541.4	84.8	1.121	1.054	0.998	-0.110	1.050	0.029	0.079	4.27	1.58
31	19.491	3.500	-2.730	1.054	1090.7	1410.2	543.3	85.1	1.089	1.027	0.996	-0.059	1.025	0.029	0.064	3.55	1.63

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	921	2.999	5.00	21	902	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.980	1.049	1086.6	1407.2	540.5	84.7	1.119	1.054	0.998	-0.109	1.049	0.006	0.096	5.21	0.31
2	10.833	3.500	-1.980	1.051	1088.1	1407.0	541.1	84.7	1.081	1.023	0.998	-0.048	1.019	0.015	0.086	4.82	0.83
3	11.166	3.500	-1.980	1.052	1088.8	1406.5	541.1	84.9	1.032	0.985	0.998	0.028	0.981	0.024	0.078	4.52	1.39
4	11.499	3.500	-1.980	1.054	1090.0	1408.9	542.7	84.7	1.008	0.964	0.998	0.069	0.961	0.030	0.071	4.21	1.79
5	11.832	3.500	-1.980	1.052	1089.0	1407.3	541.6	84.7	1.000	0.959	0.998	0.081	0.956	0.035	0.064	3.83	2.09
6	12.165	3.500	-1.980	1.053	1089.2	1408.1	542.0	84.7	0.986	0.947	0.999	0.104	0.945	0.039	0.056	3.41	2.36
7	12.496	3.500	-1.980	1.053	1089.5	1407.2	541.7	84.8	0.980	0.942	0.999	0.114	0.940	0.041	0.049	2.98	2.49
8	12.831	3.500	-1.980	1.052	1088.8	1408.2	541.8	84.8	0.971	0.936	0.998	0.126	0.934	0.042	0.040	2.47	2.55
9	13.164	3.500	-1.980	1.053	1089.6	1408.4	542.2	85.0	0.972	0.936	0.999	0.128	0.934	0.042	0.034	2.08	2.55
10	13.497	3.500	-1.980	1.053	1089.3	1408.5	542.1	84.9	0.973	0.937	0.999	0.125	0.936	0.040	0.028	1.73	2.42
11	13.830	3.500	-1.980	1.050	1087.1	1407.6	540.9	84.7	0.977	0.942	0.999	0.115	0.941	0.037	0.024	1.49	2.26
12	14.163	3.500	-1.980	1.051	1087.7	1406.7	540.8	84.7	0.980	0.944	0.999	0.111	0.943	0.035	0.022	1.33	2.10
13	14.496	3.500	-1.980	1.051	1088.2	1407.2	541.2	84.7	0.989	0.951	0.999	0.098	0.950	0.031	0.020	1.21	1.90
14	14.829	3.500	-1.980	1.053	1089.8	1406.7	541.8	84.7	0.997	0.955	0.999	0.088	0.955	0.029	0.020	1.16	1.72
15	15.162	3.500	-1.980	1.050	1086.7	1407.2	540.6	84.6	0.997	0.958	0.999	0.082	0.958	0.026	0.021	1.24	1.54
16	15.495	3.500	-1.980	1.050	1086.9	1407.5	540.8	84.6	1.005	0.964	0.999	0.070	0.964	0.024	0.022	1.34	1.40
17	15.828	3.500	-1.980	1.051	1088.1	1406.1	540.8	84.7	1.015	0.972	0.999	0.056	0.971	0.021	0.024	1.36	1.23
18	16.161	3.500	-1.980	1.053	1089.6	1407.1	541.8	84.7	1.031	0.983	0.999	0.034	0.982	0.019	0.027	1.60	1.12
19	16.494	3.500	-1.980	1.054	1090.5	1406.4	541.9	84.7	1.042	0.991	0.999	0.018	0.990	0.018	0.033	1.89	1.02
20	16.827	3.500	-1.980	1.051	1088.0	1406.5	540.9	84.6	1.066	1.011	1.000	-0.023	1.010	0.016	0.042	2.37	0.88
21	17.160	3.500	-1.980	1.053	1089.8	1407.3	542.0	84.7	1.083	1.023	0.998	-0.047	1.021	0.014	0.050	2.81	0.81
22	17.493	3.500	-1.980	1.050	1086.6	1405.1	539.6	84.5	1.104	1.042	1.000	-0.084	1.040	0.014	0.059	3.26	0.76
23	17.826	3.500	-1.980	1.052	1088.4	1408.1	541.7	84.7	1.121	1.053	0.998	-0.108	1.051	0.016	0.069	3.74	0.85
24	18.159	3.500	-1.980	1.051	1087.8	1407.4	541.2	84.5	1.131	1.061	0.997	-0.125	1.058	0.019	0.075	4.07	1.02
25	18.492	3.500	-1.980	1.050	1086.8	1406.8	540.4	84.7	1.130	1.061	0.997	-0.125	1.058	0.024	0.078	4.19	1.32
26	18.825	3.500	-1.980	1.052	1088.6	1407.3	541.4	84.8	1.110	1.045	0.997	-0.093	1.042	0.030	0.067	3.70	1.67
27	19.158	3.500	-1.980	1.049	1086.4	1407.0	540.3	84.7	1.059	1.007	0.997	-0.019	1.005	0.031	0.055	3.12	1.78
28	19.491	3.500	-1.980	1.052	1089.0	1407.7	541.8	84.7	1.060	1.006	0.999	-0.014	1.004	0.030	0.051	2.92	1.72

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	922	3.000	5.00	21	903	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	BAL
5	10.500	3.500	-1.230	1.049	1086.3	1408.3	540.8	84.8	1.115	1.050	0.997	-0.104	1.046	0.008	0.096	5.27	0.43
6	10.833	3.500	-1.230	1.053	1089.4	1406.7	541.6	84.7	1.053	1.000	0.998	-0.002	0.996	0.022	0.087	5.01	1.25
7	11.166	3.500	-1.230	1.054	1090.4	1407.7	542.4	84.8	1.011	0.966	0.998	0.064	0.962	0.032	0.081	4.64	1.91
8	11.499	3.500	-1.230	1.051	1087.9	1407.1	541.1	84.7	0.989	0.951	0.999	0.096	0.947	0.041	0.076	4.59	2.49
9	11.832	3.500	-1.230	1.052	1089.1	1408.6	542.1	84.8	0.970	0.935	0.998	0.128	0.931	0.051	0.066	4.06	3.11
10	12.165	3.500	-1.230	1.049	1086.1	1406.2	539.9	84.6	0.952	0.923	0.999	0.154	0.919	0.057	0.053	3.31	3.55
11	12.498	3.500	-1.230	1.050	1087.1	1407.9	541.0	84.7	0.943	0.914	0.999	0.171	0.911	0.060	0.040	2.52	3.76
12	12.831	3.500	-1.230	1.050	1087.3	1406.9	540.7	84.7	0.939	0.911	0.999	0.177	0.909	0.058	0.028	1.79	3.67
13	13.164	3.500	-1.230	1.051	1088.2	1407.7	541.3	84.9	0.940	0.911	0.999	0.177	0.909	0.055	0.019	1.20	3.44
14	13.497	3.500	-1.230	1.053	1089.3	1409.0	542.4	84.8	0.950	0.919	0.999	0.162	0.917	0.049	0.011	0.70	3.05
15	13.830	3.500	-1.230	1.049	1086.7	1407.4	540.5	84.9	0.956	0.926	0.999	0.148	0.925	0.043	0.008	0.51	2.68
16	14.163	3.500	-1.230	1.050	1087.3	1408.6	541.3	84.8	0.969	0.935	1.000	0.130	0.934	0.039	0.007	0.42	2.37
17	14.496	3.500	-1.230	1.053	1089.6	1409.6	542.7	84.9	0.981	0.943	0.999	0.111	0.943	0.034	0.006	0.39	2.07
18	14.829	3.500	-1.230	1.049	1086.7	1407.8	540.7	84.8	0.988	0.951	1.000	0.097	0.951	0.029	0.008	0.46	1.77
19	15.162	3.500	-1.230	1.051	1087.6	1409.5	541.8	84.9	0.997	0.958	0.998	0.082	0.958	0.026	0.010	0.62	1.56
20	15.495	3.500	-1.230	1.050	1087.3	1408.7	541.4	84.8	1.007	0.966	0.999	0.067	0.965	0.023	0.013	0.80	1.38
21	15.828	3.500	-1.230	1.052	1089.1	1408.9	542.2	84.9	1.025	0.978	0.999	0.042	0.978	0.020	0.016	0.96	1.19
22	16.161	3.500	-1.230	1.053	1090.0	1409.6	542.8	85.0	1.036	0.987	0.999	0.025	0.986	0.018	0.021	1.23	1.06
23	16.494	3.500	-1.230	1.049	1086.2	1407.9	540.6	84.7	1.047	0.998	0.999	0.002	0.998	0.016	0.029	1.67	0.93
24	16.827	3.500	-1.230	1.052	1089.0	1407.9	541.9	84.7	1.064	1.009	1.000	-0.019	1.009	0.014	0.039	2.20	0.79
25	17.160	3.500	-1.230	1.054	1090.3	1408.2	542.5	84.8	1.109	1.042	0.998	-0.066	1.041	0.012	0.055	3.05	0.68
26	17.493	3.500	-1.230	1.054	1090.2	1407.8	542.3	84.8	1.132	1.060	0.996	-0.122	1.058	0.013	0.069	3.71	0.71
27	17.826	3.500	-1.230	1.052	1088.6	1409.3	542.1	84.9	1.140	1.067	0.997	-0.137	1.064	0.018	0.076	4.07	0.95
28	18.159	3.500	-1.230	1.052	1088.8	1406.4	541.1	84.9	1.136	1.064	0.997	-0.131	1.061	0.024	0.076	4.10	1.30
29	18.492	3.500	-1.230	1.052	1089.0	1407.4	541.6	84.8	1.101	1.037	0.997	-0.079	1.035	0.031	0.061	3.36	1.72
30	18.825	3.500	-1.230	1.051	1087.9	1407.8	541.3	84.7	1.064	1.010	0.997	-0.023	1.008	0.033	0.052	2.97	1.85
31	19.158	3.500	-1.230	1.053	1090.1	1407.9	542.3	84.9	1.066	1.010	0.998	-0.021	1.008	0.032	0.048	2.75	1.80
32	19.491	3.500	-1.230	1.049	1086.1	1405.9	539.7	85.0	1.057	1.007	1.000	-0.013	1.005	0.030	0.046	2.60	1.69

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	924	2.999	5.00	21	905	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SKL
1	10.500	2.750	-1.230	1.052	1089.2	1407.9	541.8	85.1	1.081	1.022	0.998	-0.046	1.018	0.021	0.091	5.09	1.17
2	11.166	2.750	-1.230	1.053	1089.8	1407.9	542.1	84.9	0.985	0.946	0.999	0.107	0.942	0.041	0.071	4.32	2.48
3	11.832	2.750	-1.230	1.053	1089.7	1408.3	542.2	84.9	0.943	0.913	0.999	0.174	0.910	0.052	0.045	2.80	3.24
4	12.498	2.750	-1.230	1.051	1088.5	1406.6	541.0	84.9	0.939	0.910	1.000	0.180	0.908	0.048	0.021	1.32	3.00
5	13.164	2.750	-1.230	1.049	1086.2	1408.1	540.7	84.7	0.950	0.921	0.999	0.158	0.920	0.037	0.008	0.47	2.32
6	13.830	2.750	-1.230	1.051	1088.1	1407.7	541.3	84.9	0.969	0.934	0.999	0.130	0.934	0.030	0.005	0.29	1.81
7	14.496	2.750	-1.230	1.053	1089.7	1408.3	542.3	84.7	0.993	0.952	0.999	0.094	0.952	0.024	0.006	0.37	1.42
10	15.162	2.750	-1.230	1.052	1088.9	1407.7	541.7	84.8	1.016	0.972	0.999	0.056	0.971	0.019	0.011	0.65	1.13
11	15.828	2.750	-1.230	1.048	1085.4	1407.1	539.9	84.7	1.017	0.976	0.999	0.047	0.975	0.016	0.018	1.03	0.92
13	16.494	2.750	-1.230	1.053	1089.9	1409.4	542.8	84.8	1.053	1.000	0.998	-0.002	0.999	0.014	0.031	1.79	0.80
14	17.160	2.750	-1.230	1.054	1090.5	1407.8	542.5	84.7	1.085	1.024	0.998	-0.051	1.023	0.017	0.051	2.88	0.95
15	17.826	2.750	-1.230	1.050	1086.9	1407.0	540.5	84.9	1.118	1.052	0.998	-0.107	1.050	0.022	0.069	3.74	1.19
16	18.492	2.750	-1.230	1.052	1088.6	1408.3	541.8	84.8	1.081	1.023	0.997	-0.049	1.021	0.029	0.058	3.24	1.62
17	19.158	2.750	-1.230	1.054	1090.8	1408.3	542.8	84.8	1.071	1.013	0.999	-0.028	1.011	0.028	0.050	2.83	1.59
18	19.824	2.750	-1.230	1.054	1091.1	1408.5	542.8	85.1	1.061	1.005	0.998	-0.012	1.004	0.025	0.046	2.63	1.40

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	925	2.999	5.00	21	906	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
1	9.834	0.750	-2.208	1.051	1088.2	1407.2	541.2	84.8	1.099	1.037	0.998	-0.076	1.035	0.017	0.062	3.45	0.95
2	10.500	0.750	-2.208	1.053	1089.8	1408.1	542.3	84.8	1.076	1.017	0.997	-0.038	1.016	0.017	0.056	3.16	0.95
3	11.166	0.750	-2.208	1.053	1089.2	1407.5	541.8	84.8	1.015	0.971	0.999	0.057	0.970	0.014	0.042	2.48	0.81
4	11.832	0.750	-2.208	1.051	1087.9	1407.6	541.2	84.8	0.990	0.952	1.000	0.095	0.952	0.011	0.030	1.61	0.67
5	12.498	0.750	-2.208	1.052	1088.9	1407.3	541.5	84.9	0.985	0.947	0.999	0.105	0.947	0.009	0.022	1.36	0.56
6	13.164	0.750	-2.208	1.053	1089.7	1408.4	542.2	85.0	0.990	0.951	0.999	0.097	0.951	0.008	0.018	1.07	0.48
7	13.830	0.750	-2.208	1.053	1089.5	1409.7	542.6	85.0	1.002	0.960	0.999	0.078	0.960	0.007	0.015	0.90	0.41
8	14.496	0.750	-2.208	1.054	1090.5	1409.1	542.9	84.9	1.014	0.969	0.999	0.061	0.969	0.006	0.015	0.86	0.37
9	15.162	0.750	-2.208	1.053	1090.0	1408.3	542.3	85.0	1.027	0.980	0.999	0.040	0.979	0.006	0.015	0.90	0.34
10	15.828	0.750	-2.208	1.055	1091.5	1409.1	543.3	85.1	1.034	0.984	0.999	0.031	0.984	0.006	0.019	1.09	0.36
11	16.494	0.750	-2.208	1.052	1089.4	1408.9	542.2	85.1	1.042	0.992	0.999	0.015	0.992	0.007	0.024	1.40	0.42
14	17.160	0.750	-2.208	1.052	1088.7	1407.3	541.4	84.9	1.063	1.009	0.999	-0.018	1.008	0.010	0.032	1.83	0.59
15	17.826	0.750	-2.208	1.055	1091.1	1410.5	543.7	84.9	1.080	1.019	0.998	-0.041	1.019	0.013	0.038	2.15	0.72
17	18.492	0.750	-2.208	1.052	1089.3	1406.6	541.3	85.1	1.091	1.030	0.999	-0.060	1.029	0.016	0.043	2.37	0.87
18	19.158	0.750	-2.208	1.053	1089.9	1407.5	542.1	84.8	1.076	1.018	0.999	-0.037	1.017	0.015	0.039	2.21	0.86
19	19.824	0.750	-2.208	1.054	1090.5	1409.3	543.0	84.9	1.071	1.014	0.998	-0.030	1.013	0.015	0.037	2.06	0.83

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS
TC-532	928	3.001	5.00	21	909	5.01

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
1	9.834	0.000	-3.708	1.052	1088.9	1409.3	542.1	85.2	1.119	1.052	0.998	-0.106	1.049	-0.002	0.080	4.36	-0.12
2	10.167	0.000	-3.708	1.051	1088.1	1407.9	541.3	85.1	1.112	1.047	0.998	-0.096	1.044	-0.002	0.080	4.37	-0.13
3	10.500	0.000	-3.708	1.052	1089.4	1408.8	542.2	85.0	1.109	1.044	0.997	-0.090	1.041	-0.003	0.079	4.35	-0.15
4	10.833	0.000	-3.708	1.053	1089.9	1408.9	542.5	85.0	1.099	1.035	0.998	-0.072	1.032	-0.003	0.077	4.28	-0.14
5	11.166	0.000	-3.708	1.054	1090.4	1409.3	542.8	85.1	1.053	1.000	0.998	-0.002	0.998	-0.003	0.063	3.60	-0.16
6	11.499	0.000	-3.708	1.052	1089.2	1409.0	542.2	85.0	1.025	0.978	0.999	0.041	0.977	-0.003	0.055	3.22	-0.15
7	11.832	0.000	-3.708	1.052	1089.0	1408.9	542.2	84.8	1.012	0.969	0.998	0.060	0.968	-0.003	0.048	2.87	-0.15
8	12.165	0.000	-3.708	1.053	1089.3	1407.5	541.8	84.9	1.009	0.966	0.999	0.067	0.965	-0.003	0.044	2.60	-0.16
9	12.498	0.000	-3.708	1.050	1087.	1407.6	541.0	84.8	1.007	0.966	0.999	0.067	0.965	-0.003	0.039	2.31	-0.15
10	12.831	0.000	-3.708	1.051	1087.9	1407.0	541.0	84.8	1.006	0.965	1.000	0.070	0.964	-0.003	0.036	2.14	-0.16
11	13.164	0.000	-3.708	1.052	1088.9	1409.4	542.2	85.0	1.006	0.964	0.999	0.070	0.964	-0.003	0.034	2.00	-0.16
12	13.497	0.000	-3.708	1.053	1089.6	1408.1	542.1	84.9	1.006	0.963	0.999	0.072	0.963	-0.002	0.032	1.88	-0.14
13	13.830	0.000	-3.708	1.053	1090.0	1407.6	542.1	84.8	1.008	0.964	0.999	0.071	0.963	-0.003	0.030	1.80	-0.15
14	14.163	0.000	-3.708	1.051	1087.6	1406.2	540.5	84.8	1.003	0.963	0.999	0.073	0.962	-0.002	0.029	1.74	-0.14
15	14.496	0.000	-3.708	1.051	1088.3	1407.7	541.4	84.8	1.006	0.964	0.999	0.071	0.964	-0.002	0.028	1.67	-0.14
16	14.829	0.000	-3.708	1.053	1089.4	1408.0	542.0	84.8	1.012	0.968	0.999	0.062	0.968	-0.003	0.027	1.60	-0.15
18	15.162	0.000	-3.708	1.052	1088.6	1408.5	541.9	84.8	1.013	0.969	0.999	0.060	0.969	-0.002	0.027	1.61	-0.1
19	15.495	0.000	-3.708	1.051	1088.3	1408.9	541.9	84.8	1.013	0.970	0.999	0.059	0.969	-0.003	0.028	1.64	-0.15
20	15.828	0.000	-3.708	1.053	1089.6	1407.7	541.8	85.2	1.014	0.970	0.998	0.058	0.969	-0.002	0.029	1.74	-0.13
21	16.161	0.000	-3.708	1.053	1089.9	1408.1	542.2	85.0	1.025	0.978	0.999	0.044	0.977	-0.002	0.031	1.81	-0.14
22	16.494	0.000	-3.708	1.052	1088.9	1410.1	542.6	84.9	1.029	0.982	0.999	0.034	0.982	-0.002	0.034	1.96	-0.12
23	16.827	0.000	-3.708	1.052	1089.2	1407.5	541.7	84.9	1.034	0.986	0.999	0.027	0.985	-0.002	0.037	2.15	-0.13
24	17.160	0.000	-3.708	1.054	1090.7	1408.5	542.7	85.0	1.043	0.992	0.999	0.016	0.991	-0.002	0.040	2.30	-0.13
25	17.493	0.000	-3.708	1.052	1089.0	1408.5	542.0	85.0	1.052	1.000	0.999	-0.001	0.999	-0.002	0.044	2.50	-0.12
26	17.826	0.000	-3.708	1.054	1090.4	1408.9	542.7	85.1	1.064	1.006	0.998	-0.018	1.007	-0.002	0.046	2.74	-0.13
28	18.159	0.000	-3.708	1.049	1086.7	1409.3	541.2	85.0	1.076	1.021	0.999	-0.043	1.020	-0.002	0.052	3.04	-0.14
29	18.492	0.000	-3.708	1.049	1086.6	1408.5	540.8	85.2	1.084	1.027	0.999	-0.055	1.025	-0.002	0.057	3.15	-0.12
30	18.825	0.000	-3.708	1.051	1087.9	1409.4	541.8	85.0	1.093	1.033	0.998	-0.068	1.031	-0.002	0.060	3.31	-0.12
31	19.158	0.000	-3.708	1.053	1090.0	1408.9	542.5	85.1	1.101	1.037	0.998	-0.076	1.035	-0.002	0.062	3.43	-0.12
32	19.491	0.000	-3.708	1.054	1090.6	1409.5	543.1	85.0	1.104	1.039	0.998	-0.079	1.037	-0.002	0.063	3.46	-0.09

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	926	3.004	5.00	21	907	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.000	-2.958	1.052	1088.7	1410.1	542.4	85.0	1.114	1.048	0.996	-0.100	1.046	-0.002	0.072	3.96	-0.08
2	10.167	0.000	-2.958	1.051	1088.0	1409.1	541.8	84.8	1.110	1.045	0.997	-0.094	1.043	-0.002	0.072	3.94	-0.10
3	10.500	0.000	-2.958	1.052	1089.2	1408.6	542.1	84.9	1.100	1.037	0.997	-0.077	1.035	-0.002	0.071	3.92	-0.11
4	10.833	0.000	-2.958	1.052	1089.0	1407.6	541.7	84.8	1.071	1.015	0.998	-0.032	1.013	-0.002	0.061	3.42	-0.12
5	11.166	0.000	-2.958	1.053	1089.3	1406.9	541.5	84.9	1.025	0.979	0.999	0.041	0.978	-0.002	0.051	2.98	-0.14
6	11.499	0.000	-2.958	1.053	1089.6	1409.5	542.7	84.8	1.005	0.962	0.998	0.073	0.961	-0.002	0.045	2.69	-0.14
7	11.832	0.000	-2.958	1.054	1090.5	1408.7	542.8	84.8	1.000	0.958	0.998	0.083	0.957	-0.003	0.040	2.41	-0.15
8	12.165	0.000	-2.958	1.052	1089.1	1406.5	541.3	84.8	0.996	0.956	1.000	0.088	0.955	-0.003	0.036	2.15	-0.16
9	12.498	0.000	-2.958	1.052	1089.0	1407.7	541.7	85.0	0.995	0.955	0.999	0.088	0.955	-0.002	0.032	1.92	-0.16
10	12.831	0.000	-2.958	1.053	1089.8	1408.4	542.3	84.9	0.996	0.955	0.999	0.088	0.955	-0.002	0.029	1.75	-0.16
11	13.164	0.000	-2.958	1.054	1090.4	1409.0	542.6	84.8	0.999	0.957	0.998	0.084	0.957	-0.002	0.026	1.58	-0.13
12	13.497	0.000	-2.958	1.050	1087.5	1407.4	540.9	84.9	1.001	0.961	1.000	0.077	0.961	-0.002	0.025	1.47	-0.13
13	13.830	0.000	-2.958	1.052	1089.1	1409.7	542.5	84.9	1.005	0.962	0.999	0.074	0.962	-0.003	0.023	1.37	-0.15
14	14.163	0.000	-2.958	1.053	1090.0	1409.1	542.5	85.2	1.004	0.962	0.999	0.075	0.961	-0.002	0.022	1.32	-0.14
15	14.496	0.000	-2.958	1.053	1090.2	1409.3	542.3	85.2	1.009	0.965	0.999	0.068	0.965	-0.002	0.021	1.24	-0.14
16	14.829	0.000	-2.958	1.054	1090.7	1409.4	543.1	84.9	1.014	0.969	0.999	0.061	0.969	-0.002	0.021	1.23	-0.13
18	15.162	0.000	-2.958	1.053	1089.9	1410.3	543.0	85.1	1.022	0.976	0.999	0.047	0.975	-0.002	0.021	1.24	-0.13
19	15.495	0.000	-2.958	1.053	1089.5	1408.7	542.3	85.0	1.017	0.972	0.999	0.055	0.972	-0.002	0.023	1.33	-0.12
20	15.828	0.000	-2.958	1.055	1091.1	1410.3	543.6	85.0	1.028	0.979	0.998	0.040	0.979	-0.002	0.024	1.40	-0.13
21	16.161	0.000	-2.958	1.050	1087.4	1408.2	541.2	84.7	1.025	0.980	0.999	0.039	0.979	-0.002	0.027	1.57	-0.12
22	16.494	0.000	-2.958	1.053	1089.4	1408.7	542.2	85.0	1.035	0.986	0.998	0.025	0.986	-0.002	0.028	1.65	-0.12
23	16.827	0.000	-2.958	1.050	1086.8	1408.7	541.1	84.8	1.041	0.993	0.999	0.013	0.992	-0.002	0.032	1.86	-0.09
24	17.160	0.000	-2.958	1.052	1089.2	1407.6	541.7	85.0	1.049	0.997	0.999	0.004	0.997	-0.002	0.036	2.07	-0.12
25	17.493	0.000	-2.958	1.053	1089.5	1407.9	542.0	84.8	1.059	1.005	0.999	-0.011	1.004	-0.002	0.039	2.24	-0.11
29	17.826	0.000	-2.958	1.053	1090.1	1408.1	542.3	85.0	1.071	1.014	0.999	-0.029	1.013	-0.002	0.043	2.46	-0.13
30	18.159	0.000	-2.958	1.052	1088.8	1409.3	542.2	85.0	1.081	1.022	0.998	-0.047	1.021	-0.002	0.047	2.64	-0.11
31	18.492	0.000	-2.958	1.054	1090.7	1410.3	543.4	85.0	1.092	1.029	0.997	-0.061	1.028	-0.002	0.051	2.83	-0.11
32	18.825	0.000	-2.958	1.055	1091.2	1408.8	543.0	84.9	1.099	1.034	0.998	-0.070	1.032	-0.002	0.052	2.90	-0.09
34	19.158	0.000	-2.958	1.051	1088.0	1407.8	541.2	85.0	1.093	1.033	0.999	-0.067	1.031	-0.001	0.052	2.90	-0.06
35	19.491	0.000	-2.958	1.054	1090.4	1410.0	543.2	84.9	1.084	1.023	0.997	-0.049	1.022	-0.001	0.048	2.70	-0.05

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	927	3.000	5.00	21	908	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
3	9.834	0.000	-2.208	1.048	1085.9	1409.4	540.9	85.0	1.094	1.036	0.998	-0.074	1.034	-0.002	0.050	2.76	-0.13
4	10.167	0.000	-2.208	1.051	1087.9	1409.3	541.8	85.0	1.089	1.030	0.997	-0.064	1.029	-0.002	0.051	2.63	-0.13
5	10.500	0.000	-2.208	1.050	1087.1	1408.4	541.1	84.9	1.079	1.022	0.998	-0.047	1.021	-0.002	0.048	2.57	-0.14
6	10.833	0.000	-2.208	1.052	1088.5	1408.3	541.7	84.9	1.051	1.000	0.997	-0.003	0.999	-0.003	0.042	2.38	-0.15
7	11.166	0.000	-2.208	1.051	1088.3	1408.0	541.5	84.9	1.024	0.979	0.999	0.041	0.978	-0.003	0.036	2.10	-0.17
8	11.499	0.000	-2.208	1.052	1089.3	1408.0	541.9	85.0	0.997	0.957	0.999	0.086	0.956	-0.003	0.032	1.90	-0.17
9	11.832	0.000	-2.208	1.053	1089.5	1408.3	542.2	84.9	0.989	0.950	0.999	0.099	0.950	-0.003	0.027	1.66	-0.19
10	12.165	0.000	-2.208	1.053	1089.9	1408.9	542.5	84.9	0.984	0.946	0.999	0.108	0.945	-0.003	0.024	1.47	-0.17
12	12.498	0.000	-2.208	1.055	1091.4	1409.5	543.4	85.1	0.985	0.945	0.999	0.108	0.945	-0.003	0.021	1.28	-0.19
13	12.831	0.000	-2.208	1.052	1089.1	1408.2	541.9	84.9	0.987	0.949	0.999	0.102	0.948	-0.003	0.019	1.13	-0.18
14	13.164	0.000	-2.208	1.052	1088.6	1408.8	542.0	84.7	0.993	0.953	0.999	0.092	0.953	-0.003	0.016	0.96	-0.16
15	13.497	0.000	-2.208	1.052	1088.7	1407.3	541.4	84.9	0.998	0.958	0.999	0.083	0.958	-0.003	0.015	0.87	-0.17
16	13.830	0.000	-2.208	1.052	1089.3	1407.8	541.8	85.0	1.004	0.962	1.000	0.077	0.962	-0.003	0.013	0.80	-0.16
17	14.163	0.000	-2.208	1.055	1091.2	1410.2	543.6	84.9	1.009	0.964	0.998	0.069	0.964	-0.003	0.013	0.77	-0.15
18	14.496	0.000	-2.208	1.051	1087.7	1407.7	541.1	84.9	1.008	0.966	0.999	0.065	0.966	-0.002	0.013	0.76	-0.14
19	14.829	0.000	-2.208	1.053	1089.3	1409.7	542.6	84.9	1.018	0.973	0.999	0.053	0.973	-0.002	0.013	0.78	-0.13
20	15.162	0.000	-2.208	1.053	1089.4	1408.7	542.3	84.9	1.026	0.979	0.999	0.040	0.979	-0.002	0.015	0.85	-0.11
21	15.495	0.000	-2.208	1.054	1090.8	1408.4	542.7	85.0	1.029	0.981	0.999	0.037	0.981	-0.002	0.016	0.91	-0.11
22	15.828	0.000	-2.208	1.052	1088.8	1408.0	541.7	84.8	1.031	0.984	0.999	0.032	0.983	-0.002	0.017	1.01	-0.11
23	16.161	0.000	-2.208	1.054	1090.2	1409.1	542.8	84.9	1.037	0.987	0.998	0.023	0.987	-0.002	0.019	1.11	-0.11
24	16.494	0.000	-2.208	1.049	1086.3	1408.2	540.6	85.1	1.039	0.993	0.999	0.014	0.992	-0.002	0.022	1.26	-0.12
25	16.827	0.000	-2.208	1.050	1087.4	1409.2	541.5	85.1	1.050	1.000	1.000	-0.001	1.000	-0.002	0.025	1.42	-0.11
26	17.160	0.000	-2.208	1.051	1088.1	1408.2	541.4	85.0	1.060	1.007	0.999	-0.015	1.007	-0.002	0.028	1.59	-0.11
27	17.493	0.000	-2.208	1.053	1089.7	1408.4	542.1	85.2	1.069	1.013	0.999	-0.026	1.012	-0.002	0.030	1.71	-0.10
29	17.826	0.000	-2.208	1.051	1088.1	1409.1	541.8	85.0	1.078	1.021	0.999	-0.042	1.020	-0.002	0.033	1.83	-0.10
30	18.159	0.000	-2.208	1.051	1088.5	1409.0	541.9	85.1	1.083	1.024	0.999	-0.050	1.024	-0.001	0.034	1.92	-0.07
31	18.492	0.000	-2.208	1.052	1089.3	1408.4	541.9	84.9	1.085	1.025	0.998	-0.053	1.025	-0.001	0.035	1.98	-0.08
32	18.825	0.000	-2.208	1.051	1088.5	1409.5	542.1	85.0	1.080	1.022	0.998	-0.048	1.022	-0.000	0.035	2.00	-0.01
33	19.158	0.000	-2.208	1.052	1089.4	1409.0	542.3	85.0	1.074	1.017	0.997	-0.036	1.016	0.000	0.034	1.93	0.00
34	19.491	0.000	-2.208	1.053	1089.4	1408.9	542.4	84.8	1.073	1.016	0.998	-0.033	1.015	-0.000	0.033	1.85	-0.02

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	929	3.000	5.00	21	910	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	-0.750	-2.208	1.053	1089.6	1407.9	542.0	85.0	1.093	1.031	0.998	-0.064	1.029	-0.022	0.060	3.35	-1.24
2	11.167	-0.750	-2.208	1.052	1089.2	1407.3	541.6	85.0	1.008	0.965	0.999	0.069	0.964	-0.019	0.042	2.51	-1.15
3	12.500	-0.750	-2.208	1.052	1089.3	1408.0	542.2	85.1	0.982	0.944	0.999	0.110	0.944	-0.015	0.023	1.42	-0.90
4	13.833	-0.750	-2.208	1.054	1090.8	1408.3	542.6	85.2	1.000	0.957	0.999	0.084	0.957	-0.011	0.016	0.96	-0.68
5	15.166	-0.750	-2.208	1.054	1091.0	1408.2	542.8	84.9	1.021	0.974	0.999	0.051	0.974	-0.010	0.016	0.94	-0.57
6	16.499	-0.750	-2.208	1.053	1089.8	1408.7	542.3	85.1	1.044	0.993	0.999	0.013	0.993	-0.012	0.025	1.44	-0.68

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	930	2.999	5.00	21	910	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
5	17.832	-0.750	-2.208	1.050	1087.8	1409.0	541.5	85.3	1.075	1.019	0.999	-0.040	1.018	-0.017	0.039	2.20	-0.98
7	19.165	-0.750	-2.208	1.053	1090.4	1410.0	543.0	85.2	1.076	1.018	0.998	-0.038	1.017	-0.017	0.039	2.20	-0.98
10	20.498	-0.750	-2.208	1.050	1087.9	1407.8	541.0	85.4	1.056	1.005	0.999	-0.010	1.004	-0.014	0.034	1.93	-0.79

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	931	3.002	5.00	21	911	5.01	2-22-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
1	10.500	-2.750	-1.230	1.051	1087.9	1409.2	541.8	84.9	1.079	1.022	0.997	-0.048	1.017	-0.026	0.094	5.30	-1.44
2	11.833	-2.750	-1.230	1.053	1090.2	1409.5	542.8	85.2	0.936	0.906	0.998	0.185	0.903	-0.056	0.045	2.82	-3.54
4	13.166	-2.750	-1.230	1.052	1089.3	1407.7	541.7	85.1	0.946	0.915	1.000	0.170	0.915	-0.041	0.008	0.52	-2.54
6	14.499	-2.750	-1.230	1.053	1089.7	1408.5	542.3	84.9	0.984	0.946	0.999	0.107	0.945	-0.026	0.006	0.36	-1.56
7	15.832	-2.750	-1.230	1.054	1090.4	1408.9	542.7	85.0	1.030	0.981	0.999	0.036	0.981	-0.020	0.017	1.02	-1.15
8	17.165	-2.750	-1.230	1.054	1090.8	1409.4	542.9	85.3	1.087	1.026	0.998	-0.054	1.024	-0.023	0.052	2.91	-1.26
11	18.498	-2.750	-1.230	1.050	1087.6	1407.6	541.0	85.0	1.068	1.014	0.998	-0.030	1.011	-0.032	0.055	3.12	-1.84
13	19.831	-2.750	-1.230	1.052	1089.1	1407.6	541.5	85.3	1.059	1.005	0.999	-0.011	1.004	-0.028	0.045	2.55	-1.59

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	433	2.987	0.00	22	1001	0.01	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
7	10.500	4.250	-1.230	0.927	974.9	1434.4	495.3	79.7	0.923	0.996	1.000	0.007	0.996	0.007	-0.004	-0.25	0.40
8	11.166	4.250	-1.230	0.927	974.6	1436.7	496.0	79.5	0.917	0.991	1.000	0.017	0.991	0.010	-0.008	-0.44	0.58
9	11.832	4.250	-1.230	0.928	975.7	1437.8	497.0	79.5	0.913	0.986	0.999	0.026	0.986	0.014	-0.012	-0.70	0.80
10	12.498	4.250	-1.230	0.928	975.9	1437.1	496.8	79.7	0.911	0.984	0.999	0.031	0.984	0.016	-0.019	-1.13	0.91
11	13.164	4.250	-1.230	0.928	975.8	1434.8	495.9	79.7	0.910	0.983	1.000	0.033	0.983	0.015	-0.029	-1.70	0.89
12	13.830	4.250	-1.230	0.926	974.0	1435.7	495.2	79.8	0.906	0.982	0.999	0.035	0.980	0.022	-0.045	-2.65	1.31
13	14.496	4.250	-1.230	0.922	970.0	1434.5	492.5	79.7	0.969	1.043	1.000	-0.087	1.043	0.009	-0.043	-2.38	0.49
14	15.162	4.250	-1.230	0.927	974.4	1435.6	495.4	79.7	1.044	1.105	1.000	-0.210	1.105	-0.011	-0.021	-1.08	-0.59
15	15.828	4.250	-1.230	0.927	974.7	1436.0	495.7	79.9	1.010	1.075	0.999	-0.152	1.075	-0.016	-0.007	-0.39	-0.85
16	16.494	4.250	-1.230	0.925	973.6	1433.4	494.1	79.8	1.109	1.162	1.001	-0.323	1.160	-0.040	0.037	1.85	-1.99
17	17.160	4.250	-1.230	0.927	974.9	1435.7	495.7	79.8	0.945	1.017	0.997	-0.039	1.016	-0.023	0.045	2.53	-1.29
18	17.826	4.250	-1.230	0.927	974.6	1435.3	495.4	79.7	0.909	0.983	0.997	0.028	0.983	-0.015	0.036	2.13	-0.89
19	18.492	4.250	-1.230	0.925	973.0	1432.1	493.4	79.8	0.891	0.968	0.998	0.060	0.968	-0.013	0.023	1.38	-0.77
20	19.158	4.250	-1.230	0.926	973.8	1432.9	494.2	79.6	0.897	0.974	0.998	0.049	0.973	-0.011	0.015	0.89	-0.65
21	19.824	4.250	-1.230	0.927	974.4	1433.2	494.6	79.7	0.908	0.983	0.997	0.029	0.983	-0.010	0.011	0.64	-0.58

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	434	2.987	0.00	22	1005	0.01	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-2.730	0.926	974.3	1434.5	495.0	79.6	0.923	0.997	1.000	0.005	0.997	0.004	-0.007	-0.38	0.24
2	10.833	3.500	-2.730	0.924	972.4	1434.5	493.9	79.6	0.918	0.994	0.999	0.010	0.994	0.004	-0.009	-0.50	0.25
3	11.166	3.500	-2.730	0.925	973.4	1433.5	494.2	79.6	0.921	0.996	1.000	0.009	0.996	0.005	-0.010	-0.58	0.28
4	11.499	3.500	-2.730	0.927	974.5	1433.8	495.0	79.5	0.921	0.995	0.999	0.010	0.995	0.005	-0.012	-0.68	0.31
5	11.832	3.500	-2.730	0.925	973.3	1430.8	493.2	79.5	0.921	0.996	1.001	0.010	0.996	0.005	-0.014	-0.78	0.31
6	12.165	3.500	-2.730	0.927	974.4	1432.0	494.3	79.5	0.922	0.996	1.000	0.009	0.996	0.005	-0.015	-0.86	0.31
7	12.498	3.500	-2.730	0.925	973.2	1431.4	493.4	79.5	0.924	0.999	1.000	0.003	0.998	0.004	-0.017	-0.95	0.24
8	12.831	3.500	-2.730	0.925	973.3	1430.1	493.0	79.5	0.925	1.000	1.000	0.001	1.000	0.004	-0.018	-1.03	0.22
9	13.164	3.500	-2.730	0.927	974.6	1431.2	494.2	79.4	0.927	1.000	1.000	0.000	0.999	0.003	-0.020	-1.14	0.18
10	13.497	3.500	-2.730	0.927	974.5	1431.7	494.3	79.4	0.929	1.002	1.000	-0.004	1.002	0.003	-0.022	-1.28	0.15
11	13.830	3.500	-2.730	0.926	973.4	1431.0	493.4	79.4	0.933	1.007	1.000	-0.013	1.006	0.001	-0.025	-1.41	0.08
12	14.163	3.500	-2.730	0.927	974.4	1431.7	494.2	79.4	0.944	1.015	0.999	-0.032	1.015	0.001	-0.026	-1.44	0.04
13	14.496	3.500	-2.730	0.925	972.9	1430.5	493.0	79.4	0.962	1.034	1.000	-0.067	1.033	-0.001	-0.022	-1.24	-0.06
14	14.829	3.500	-2.730	0.925	973.1	1430.6	493.0	79.5	0.986	1.056	1.000	-0.111	1.055	-0.003	-0.017	-0.90	-0.16
15	15.162	3.500	-2.730	0.925	972.7	1430.5	492.8	79.5	1.027	1.092	1.000	-0.185	1.092	-0.005	-0.009	-0.46	-0.24
16	15.495	3.500	-2.730	0.926	973.9	1431.6	493.9	79.5	1.035	1.097	1.000	-0.196	1.097	-0.007	-0.002	-0.12	-0.34
17	15.828	3.500	-2.730	0.924	972.0	1431.2	492.7	79.4	1.025	1.091	1.000	-0.182	1.091	-0.008	0.003	0.16	-0.43
18	16.161	3.500	-2.730	0.926	974.1	1432.1	494.2	79.4	1.024	1.088	1.000	-0.177	1.088	-0.010	0.009	0.49	-0.51
19	16.494	3.500	-2.730	0.925	973.2	1430.2	493.0	79.4	1.031	1.095	1.000	-0.190	1.095	-0.010	0.019	0.98	-0.52
20	16.827	3.500	-2.730	0.925	972.4	1430.6	492.7	79.4	1.042	1.106	1.000	-0.213	1.105	-0.009	0.031	1.59	-0.46
21	17.160	3.500	-2.730	0.926	973.7	1432.6	494.1	79.5	0.986	1.054	1.000	-0.110	1.054	-0.007	0.030	1.64	-0.33
22	17.493	3.500	-2.730	0.926	973.7	1431.9	493.9	79.4	0.948	1.020	1.000	-0.040	1.019	-0.007	0.029	1.64	-0.39
23	17.826	3.500	-2.730	0.926	974.0	1432.6	494.3	79.4	0.932	1.006	1.000	-0.011	1.005	-0.006	0.026	1.46	-0.35
24	18.159	3.500	-2.730	0.924	972.0	1430.8	492.5	79.4	0.921	0.997	1.001	0.008	0.996	-0.006	0.022	1.27	-0.37
25	18.492	3.500	-2.730	0.926	973.6	1433.0	494.2	79.4	0.916	0.991	0.999	0.017	0.991	-0.006	0.019	1.11	-0.35
26	18.825	3.500	-2.730	0.925	973.1	1430.9	493.2	79.4	0.913	0.988	1.000	0.024	0.988	-0.006	0.016	0.94	-0.35
27	19.158	3.500	-2.730	0.928	975.1	1431.7	494.6	79.4	0.915	0.988	1.000	0.023	0.988	-0.006	0.014	0.80	-0.34
28	19.491	3.500	-2.730	0.924	972.3	1431.3	492.9	79.4	0.914	0.991	1.000	0.018	0.991	-0.006	0.011	0.66	-0.33

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	435	2.984	0.00	22	1004	0.01	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	3.500	-1.980	0.924	972.0	1433.7	493.5	79.4	0.920	0.996	0.999	0.007	0.996	0.005	-0.007	-0.42	0.30
3	10.833	3.500	-1.980	0.926	973.7	1431.7	493.9	79.3	0.919	0.993	1.000	0.014	0.993	0.006	-0.009	-0.54	0.36
4	11.166	3.500	-1.980	0.926	974.0	1431.0	493.8	79.4	0.916	0.991	0.999	0.018	0.990	0.007	-0.012	-0.67	0.39
5	11.499	3.500	-1.980	0.926	973.8	1432.0	494.0	79.4	0.916	0.991	0.999	0.018	0.990	0.008	-0.014	-0.80	0.45
6	11.832	3.500	-1.980	0.925	972.6	1431.2	493.0	79.4	0.915	0.991	1.000	0.018	0.991	0.008	-0.016	-0.92	0.44
7	12.165	3.500	-1.980	0.927	974.8	1432.3	494.7	79.4	0.918	0.991	1.000	0.017	0.991	0.007	-0.018	-1.05	0.42
8	12.498	3.500	-1.980	0.927	974.3	1431.6	494.2	79.3	0.918	0.992	1.000	0.015	0.992	0.006	-0.020	-1.17	0.36
9	12.831	3.500	-1.980	0.926	973.9	1430.8	493.7	79.3	0.920	0.994	1.000	0.011	0.994	0.005	-0.023	-1.30	0.30
10	13.164	3.500	-1.980	0.926	973.4	1431.4	493.6	79.3	0.921	0.995	1.000	0.009	0.995	0.004	-0.026	-1.47	0.23
11	13.497	3.500	-1.980	0.925	972.7	1430.8	493.0	79.3	0.919	0.994	1.000	0.012	0.994	0.003	-0.031	-1.79	0.16
12	13.830	3.500	-1.980	0.926	973.2	1430.9	493.3	79.3	0.924	0.998	1.000	0.004	0.997	0.002	-0.037	-2.12	0.09
13	14.163	3.500	-1.980	0.927	974.4	1431.6	494.3	79.3	0.939	1.011	0.999	-0.023	1.010	-0.000	-0.037	-2.09	-0.00
14	14.496	3.500	-1.980	0.924	971.6	1431.2	492.6	79.2	0.969	1.041	1.000	-0.082	1.041	-0.003	-0.030	-1.64	-0.14
15	14.829	3.500	-1.980	0.927	974.6	1431.3	494.4	79.1	1.028	1.091	1.000	-0.183	1.091	-0.006	-0.019	-1.00	-0.31
16	15.162	3.500	-1.980	0.928	975.5	1432.1	495.2	79.1	1.046	1.105	0.999	-0.211	1.105	-0.009	-0.008	-0.41	-0.45
17	15.495	3.500	-1.980	0.926	973.2	1431.7	493.7	79.2	1.033	1.096	1.000	-0.193	1.096	-0.011	-0.001	-0.05	-0.57
18	15.828	3.500	-1.980	0.925	972.9	1433.2	493.9	79.3	1.012	1.079	1.000	-0.158	1.079	-0.012	0.004	0.20	-0.65
19	16.161	3.500	-1.980	0.926	973.8	1433.9	494.7	79.3	1.025	1.089	1.000	-0.179	1.089	-0.013	0.012	0.66	-0.69
20	16.494	3.500	-1.980	0.925	972.9	1435.8	494.9	79.2	1.062	1.122	0.999	-0.246	1.122	-0.014	0.032	1.62	-0.71
21	16.827	3.500	-1.980	0.925	972.7	1437.0	495.2	79.1	1.068	1.127	1.000	-0.256	1.126	-0.012	0.046	2.35	-0.59
22	17.160	3.500	-1.980	0.925	972.9	1435.4	494.7	79.3	0.968	1.040	1.000	-0.079	1.039	-0.009	0.042	2.33	-0.48
23	17.493	3.500	-1.980	0.926	973.5	1435.8	495.2	79.3	0.935	1.009	0.999	-0.018	1.008	-0.008	0.036	2.06	-0.47
24	17.826	3.500	-1.980	0.924	971.9	1433.8	493.6	79.2	0.920	0.996	1.001	0.009	0.996	-0.009	0.032	1.86	-0.46
25	18.159	3.500	-1.980	0.926	973.6	1435.9	495.3	79.2	0.911	0.986	0.999	0.027	0.986	-0.007	0.027	1.58	-0.43
26	18.492	3.500	-1.980	0.926	973.4	1433.3	494.3	79.2	0.906	0.981	1.000	0.037	0.981	-0.008	0.023	1.34	-0.45
27	18.825	3.500	-1.980	0.925	972.6	1435.2	494.4	79.3	0.905	0.982	0.999	0.035	0.982	-0.007	0.019	1.10	-0.43
28	19.158	3.500	-1.980	0.926	973.9	1438.0	496.2	79.2	0.908	0.983	0.999	0.033	0.983	-0.008	0.015	0.90	-0.44
52	19.491	3.500	-1.980	0.929	976.4	1431.2	495.2	79.5	0.911	0.984	1.000	0.033	0.983	-0.007	0.014	0.80	-0.43

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	436	2.989	0.00	22	1002	0.01	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.230	0.926	973.4	1436.1	495.1	79.6	0.917	0.992	1.000	0.016	0.992	0.007	-0.006	-0.36	0.42
2	10.833	3.500	-1.230	0.926	973.7	1436.1	495.3	79.6	0.913	0.988	1.000	0.024	0.988	0.009	-0.009	-0.49	0.53
3	11.166	3.500	-1.230	0.924	972.1	1435.4	494.1	79.6	0.908	0.985	1.000	0.030	0.985	0.011	-0.011	-0.66	0.66
4	11.499	3.500	-1.230	0.925	972.6	1436.2	494.6	79.6	0.908	0.985	1.000	0.031	0.984	0.013	-0.015	-0.87	0.75
5	11.832	3.500	-1.230	0.923	970.9	1437.1	494.0	79.6	0.909	0.987	0.999	0.025	0.987	0.014	-0.020	-1.15	0.81
6	12.165	3.500	-1.230	0.924	972.6	1435.8	494.4	79.7	0.911	0.988	1.000	0.023	0.988	0.013	-0.025	-1.44	0.77
7	12.498	3.500	-1.230	0.926	973.8	1439.7	496.5	79.7	0.912	0.987	0.999	0.024	0.987	0.011	-0.028	-1.65	0.63
8	12.831	3.500	-1.230	0.927	974.7	1437.9	496.3	79.8	0.914	0.989	1.000	0.023	0.988	0.007	-0.031	-1.78	0.43
9	13.164	3.500	-1.230	0.929	976.6	1439.1	497.9	79.7	0.914	0.986	0.999	0.026	0.986	0.004	-0.034	-2.00	0.23
10	13.497	3.500	-1.230	0.927	974.6	1437.6	496.2	79.7	0.892	0.968	1.000	0.064	0.966	0.004	-0.055	-3.27	0.24
11	13.830	3.500	-1.230	0.927	974.6	1437.5	496.1	79.9	0.898	0.974	0.999	0.051	0.971	0.002	-0.070	-4.11	0.09
12	14.163	3.500	-1.230	0.926	974.4	1438.9	496.5	79.9	0.937	1.010	0.999	-0.021	1.008	-0.003	-0.064	-3.61	-0.18
13	14.496	3.500	-1.230	0.928	975.5	1439.0	497.2	79.8	1.025	1.087	1.000	-0.175	1.087	-0.010	-0.044	-2.31	-0.55
14	14.829	3.500	-1.230	0.924	972.0	1437.3	494.6	79.8	1.053	1.116	1.001	-0.231	1.115	-0.017	-0.026	-1.33	-0.86
15	15.162	3.500	-1.230	0.927	974.6	1438.6	496.6	79.7	1.042	1.103	1.000	-0.207	1.103	-0.020	-0.013	-0.65	-1.05
16	15.495	3.500	-1.230	0.927	975.3	1438.8	497.0	79.8	1.005	1.070	0.999	-0.141	1.070	-0.023	-0.005	-0.27	-1.24
17	15.828	3.500	-1.230	0.925	973.5	1437.4	495.5	79.7	1.001	1.068	1.000	-0.137	1.068	-0.024	0.001	0.07	-1.29
18	16.161	3.500	-1.230	0.926	973.8	1438.6	496.1	79.7	1.074	1.132	0.999	-0.266	1.132	-0.025	0.026	1.34	-1.28
19	16.494	3.500	-1.230	0.924	972.5	1439.9	495.7	79.9	1.145	1.193	0.999	-0.388	1.190	-0.031	0.091	4.38	-1.50
20	16.827	3.500	-1.230	0.928	975.8	1439.5	497.5	79.8	1.025	1.087	0.996	-0.181	1.085	-0.019	0.074	3.82	-1.02
22	17.160	3.500	-1.230	0.930	977.6	1432.2	495.9	80.0	0.922	0.993	0.993	0.002	0.991	-0.014	0.058	3.34	-0.63
23	17.493	3.500	-1.230	0.929	976.6	1434.0	496.0	79.9	0.916	0.988	0.994	0.014	0.987	-0.013	0.050	2.92	-0.78
24	17.826	3.500	-1.230	0.924	972.5	1434.7	493.9	79.9	0.902	0.980	0.996	0.034	0.979	-0.013	0.042	2.47	-0.75
25	18.159	3.500	-1.230	0.928	975.9	1436.4	496.4	80.0	0.894	0.969	0.996	0.055	0.968	-0.012	0.036	2.10	-0.72
26	18.492	3.500	-1.230	0.924	972.4	1438.4	495.0	80.0	0.888	0.966	0.997	0.061	0.966	-0.012	0.027	1.61	-0.72
27	18.825	3.500	-1.230	0.924	972.6	1437.5	494.9	79.9	0.891	0.969	0.997	0.057	0.969	-0.012	0.023	1.35	-0.71
28	19.158	3.500	-1.230	0.926	974.7	1438.8	496.5	80.0	0.897	0.973	0.995	0.046	0.973	-0.011	0.019	1.14	-0.67
29	19.491	3.500	-1.230	0.927	975.4	1437.1	496.3	80.0	0.903	0.978	0.995	0.036	0.978	-0.011	0.018	1.04	-0.66

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	438	2.998	0.00	22	1003	0.01	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
32	10.500	2.750	-1.230	0.927	974.9	1440.3	497.3	79.8	0.914	0.988	1.000	0.024	0.988	0.006	-0.009	-0.54	0.37
33	11.166	2.750	-1.230	0.926	974.0	1440.4	496.7	80.0	0.907	0.982	1.000	0.036	0.982	0.010	-0.019	-1.09	0.61
34	11.832	2.750	-1.230	0.923	971.4	1439.8	495.1	79.8	0.905	0.983	1.000	0.034	0.983	0.009	-0.026	-1.54	0.51
35	12.498	2.750	-1.230	0.926	974.1	1425.9	491.9	79.7	0.921	0.995	1.000	0.011	0.994	0.002	-0.032	-1.83	0.13
36	13.164	2.750	-1.230	0.923	971.6	1430.0	491.8	79.8	0.922	0.999	1.000	0.002	0.999	-0.005	-0.031	-1.79	-0.31
37	13.830	2.750	-1.230	0.927	975.2	1432.9	494.9	79.8	0.910	0.984	1.000	0.032	0.983	-0.024	-0.047	-2.74	-1.41
38	14.496	2.750	-1.230	0.925	973.0	1434.7	494.3	79.8	1.007	1.074	1.000	-0.149	1.073	-0.017	-0.038	-2.01	-0.89
39	15.162	2.750	-1.230	0.923	971.4	1439.8	495.0	79.9	1.042	1.107	0.999	-0.216	1.107	-0.007	-0.008	-0.39	-0.36
40	15.828	2.750	-1.230	0.928	976.3	1441.0	498.2	80.1	1.000	1.065	0.998	-0.134	1.065	-0.007	0.008	0.44	-0.39
41	16.494	2.750	-1.230	0.924	972.3	1440.5	495.7	80.1	1.118	1.172	1.000	-0.344	1.170	0.019	0.065	3.20	0.92
42	17.160	2.750	-1.230	0.928	976.5	1442.7	498.9	80.1	0.940	1.010	0.997	-0.026	1.009	0.010	0.057	3.22	0.55
45	17.826	2.750	-1.230	0.927	975.1	1443.0	498.2	80.1	0.906	0.981	0.997	0.033	0.980	0.003	0.044	2.56	0.15
46	18.492	2.750	-1.230	0.926	974.5	1439.6	496.7	80.1	0.891	0.967	0.997	0.061	0.967	-0.000	0.030	1.80	-0.03
48	19.158	2.750	-1.230	0.927	974.9	1441.4	497.5	80.2	0.898	0.974	0.997	0.048	0.973	-0.002	0.022	1.28	-0.10
49	19.824	2.750	-1.230	0.927	975.1	1439.2	496.8	80.1	0.908	0.982	0.997	0.031	0.982	-0.002	0.018	1.07	-0.14

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	444	2.987	0.00	22	1006	0.02	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
7	10.500	-2.750	-1.230	0.926	978.0	1452.1	500.7	84.5	0.916	0.991	1.000	0.018	0.991	-0.007	-0.009	-0.50	-0.41
8	11.833	-2.750	-1.230	0.926	978.8	1454.5	501.8	84.8	0.909	0.984	1.000	0.031	0.984	-0.008	-0.026	-1.53	-0.48
9	13.166	-2.750	-1.230	0.925	977.2	1457.3	501.9	84.7	0.925	1.000	1.000	-0.000	1.000	0.006	-0.029	-1.68	0.33
10	14.499	-2.750	-1.230	0.928	980.1	1457.7	503.8	84.7	1.012	1.076	1.000	-0.152	1.075	0.017	-0.034	-1.80	0.92
11	15.832	-2.750	-1.230	0.926	978.2	1458.9	503.1	84.6	1.020	1.085	0.999	-0.172	1.085	0.007	0.009	0.47	0.37
12	17.165	-2.750	-1.230	0.927	979.6	1458.7	503.8	84.7	0.942	1.013	0.998	-0.029	1.012	-0.011	0.053	3.02	-0.61
14	18.498	-2.750	-1.230	0.926	978.2	1459.2	503.2	84.7	0.892	0.969	0.998	0.058	0.968	-0.000	0.027	1.57	-0.01
16	19.831	-2.750	-1.230	0.923	976.2	1457.1	501.2	84.8	0.910	0.987	1.000	0.025	0.987	0.002	0.016	0.95	0.12

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	445	2.998	2.00	22	1001	2.02	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
9	10.500	4.250	-1.230	0.928	980.4	1456.8	503.6	84.7	0.920	0.993	1.000	0.015	0.992	0.010	0.037	2.16	0.55
10	11.166	4.250	-1.230	0.930	981.8	1458.6	505.0	84.7	0.912	0.984	0.999	0.031	0.983	0.015	0.036	2.07	0.88
11	11.832	4.250	-1.230	0.925	977.9	1458.0	502.5	84.8	0.902	0.978	1.000	0.043	0.977	0.023	0.032	1.66	1.32
12	12.498	4.250	-1.230	0.927	979.2	1460.0	504.0	84.8	0.892	0.968	0.999	0.062	0.967	0.031	0.023	1.34	1.66
13	13.164	4.250	-1.230	0.927	979.9	1458.7	503.9	84.8	0.883	0.958	1.000	0.084	0.958	0.037	0.006	0.36	2.22
14	13.830	4.250	-1.230	0.927	979.0	1457.9	503.1	84.8	0.887	0.963	1.000	0.074	0.962	0.045	-0.017	-1.00	2.67
15	14.496	4.250	-1.230	0.927	979.4	1459.9	503.9	85.0	0.939	1.011	1.000	-0.022	1.010	0.031	-0.018	-1.03	1.76
16	15.162	4.250	-1.230	0.928	980.0	1460.1	504.5	84.7	0.990	1.056	1.000	-0.112	1.056	0.012	-0.004	-0.23	0.65
18	15.828	4.250	-1.230	0.923	976.2	1459.7	502.0	85.0	0.986	1.058	1.000	-0.116	1.058	0.005	0.007	0.40	0.27
19	16.494	4.250	-1.230	0.929	981.1	1453.5	502.9	84.8	1.105	1.155	0.998	-0.314	1.154	-0.022	0.048	2.39	-1.11
21	17.160	4.250	-1.230	0.928	980.3	1455.9	503.1	85.0	0.958	1.028	0.998	-0.059	1.026	-0.005	0.058	3.24	-0.29
22	17.826	4.250	-1.230	0.926	978.5	1456.9	502.5	84.8	0.912	0.937	0.998	0.022	0.986	0.004	0.049	2.87	0.22
23	18.492	4.250	-1.230	0.928	980.7	1457.7	504.0	84.8	0.895	0.969	0.998	0.058	0.968	0.006	0.037	2.17	0.36
24	19.158	4.250	-1.230	0.928	980.3	1458.4	503.9	85.0	0.901	0.975	0.998	0.047	0.974	0.008	0.030	1.78	0.45
25	19.824	4.250	-1.230	0.929	981.1	1458.8	504.7	84.8	0.911	0.984	0.998	0.029	0.983	0.009	0.027	1.55	0.51

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	449	2.996	2.00	22	1005	2.01	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	3.500	-2.730	0.922	975.1	1460.6	501.6	85.1	0.915	0.994	1.000	0.012	0.993	0.009	0.032	1.84	0.49
3	10.833	3.500	-2.730	0.922	975.0	1460.9	501.6	85.2	0.912	0.991	1.000	0.019	0.990	0.009	0.030	1.74	0.55
4	11.166	3.500	-2.730	0.922	975.5	1459.9	501.5	85.3	0.909	0.988	1.000	0.025	0.987	0.011	0.028	1.62	0.63
5	11.499	3.500	-2.730	0.923	975.9	1460.7	502.2	85.0	0.907	0.985	1.000	0.030	0.985	0.012	0.026	1.52	0.69
6	11.832	3.500	-2.730	0.923	976.0	1459.7	501.9	85.0	0.905	0.983	1.000	0.034	0.983	0.014	0.023	1.34	0.81
7	12.165	3.500	-2.730	0.924	977.1	1461.5	503.1	85.0	0.906	0.983	1.000	0.034	0.983	0.015	0.020	1.15	0.85
8	12.498	3.500	-2.730	0.924	977.2	1459.6	502.6	84.9	0.905	0.982	1.000	0.037	0.982	0.015	0.017	0.98	0.86
9	12.831	3.500	-2.730	0.925	978.3	1460.9	503.6	85.0	0.906	0.982	1.000	0.036	0.982	0.015	0.014	0.81	0.89
10	13.164	3.500	-2.730	0.926	978.7	1460.5	503.8	85.0	0.908	0.983	1.000	0.034	0.983	0.015	0.010	0.56	0.86
11	13.497	3.500	-2.730	0.926	978.9	1448.4	499.7	85.0	0.910	0.985	1.000	0.030	0.985	0.014	0.006	0.34	0.84
12	13.830	3.500	-2.730	0.925	978.2	1453.7	501.0	85.1	0.916	0.992	1.000	0.017	0.992	0.014	0.003	0.15	0.80
13	14.163	3.500	-2.730	0.926	978.9	1456.7	502.6	85.0	0.925	0.999	1.000	0.002	0.999	0.013	0.001	0.08	0.72
14	14.496	3.500	-2.730	0.927	979.8	1457.5	503.3	85.1	0.940	1.012	1.000	-0.023	1.012	0.012	0.003	0.16	0.66
15	14.829	3.500	-2.730	0.925	977.7	1458.1	502.4	84.9	0.954	1.027	1.000	-0.053	1.026	0.011	0.007	0.40	0.59
16	15.162	3.500	-2.730	0.926	978.7	1460.0	503.6	84.9	0.970	1.040	1.000	-0.080	1.040	0.009	0.012	0.64	0.51
17	15.495	3.500	-2.730	0.927	980.1	1459.9	504.3	85.0	0.977	1.045	1.000	-0.091	1.045	0.007	0.014	0.75	0.37
18	15.828	3.500	-2.730	0.929	981.3	1459.0	504.7	85.0	0.985	1.051	1.001	-0.101	1.051	0.006	0.017	0.95	0.31
19	16.161	3.500	-2.730	0.926	978.6	1457.9	502.6	85.3	0.992	1.060	1.001	-0.118	1.060	0.005	0.022	1.21	0.24
20	16.494	3.500	-2.730	0.926	979.4	1450.3	500.5	85.2	1.029	1.092	1.000	-0.185	1.091	0.003	0.031	1.63	0.17
21	16.827	3.500	-2.730	0.927	979.6	1454.6	502.3	84.9	1.048	1.108	1.000	-0.217	1.107	0.004	0.044	2.30	0.19
22	17.160	3.500	-2.730	0.926	978.3	1457.7	502.6	84.9	1.001	1.068	1.000	-0.137	1.067	0.005	0.046	2.49	0.29
23	17.493	3.500	-2.730	0.926	978.7	1457.1	502.5	85.1	0.953	1.025	1.000	-0.050	1.024	0.007	0.046	2.55	0.36
24	17.826	3.500	-2.730	0.928	980.4	1459.0	504.1	85.2	0.936	1.008	0.999	-0.017	1.007	0.007	0.042	2.39	0.37
25	18.159	3.500	-2.730	0.926	979.2	1459.8	503.7	85.2	0.925	0.999	1.000	0.002	0.998	0.007	0.039	2.23	0.38
26	18.492	3.500	-2.730	0.929	981.3	1459.3	504.7	85.2	0.921	0.994	1.000	0.014	0.993	0.007	0.036	2.08	0.39
27	18.825	3.500	-2.730	0.927	979.6	1450.3	500.6	85.2	0.915	0.990	0.999	0.020	0.989	0.007	0.033	1.92	0.39
28	19.158	3.500	-2.730	0.928	980.9	1454.2	502.8	85.2	0.917	0.989	1.000	0.021	0.989	0.007	0.031	1.80	0.39
29	19.491	3.500	-2.730	0.927	980.1	1454.5	502.4	85.1	0.918	0.991	1.001	0.020	0.991	0.007	0.029	1.69	0.41

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	448	2.997	2.00	22	1004	2.01	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	3.500	-1.980	0.924	977.3	1459.0	502.5	84.9	0.914	0.991	1.000	0.019	0.990	0.010	0.034	1.96	0.61
3	10.833	3.500	-1.980	0.924	977.0	1459.2	502.4	84.9	0.910	0.987	1.000	0.026	0.986	0.012	0.032	1.85	0.71
4	11.166	3.500	-1.980	0.925	977.4	1458.4	502.3	84.9	0.905	0.982	1.000	0.036	0.982	0.015	0.029	1.72	0.85
5	11.499	3.500	-1.980	0.925	978.1	1458.7	502.8	85.0	0.902	0.979	1.000	0.043	0.978	0.017	0.027	1.55	0.97
6	11.832	3.500	-1.980	0.925	977.4	1458.8	502.5	84.8	0.899	0.976	1.000	0.048	0.976	0.018	0.023	1.33	1.08
7	12.165	3.500	-1.980	0.923	976.1	1459.5	501.9	85.0	0.896	0.975	1.000	0.049	0.975	0.020	0.018	1.07	1.18
8	12.498	3.500	-1.980	0.922	975.3	1459.2	501.3	85.0	0.896	0.975	1.001	0.051	0.975	0.021	0.014	0.83	1.21
9	12.831	3.500	-1.980	0.922	975.0	1446.6	496.8	85.0	0.892	0.973	1.001	0.056	0.972	0.020	0.009	0.53	1.20
10	13.164	3.500	-1.980	0.925	977.8	1453.8	500.9	85.1	0.897	0.974	1.001	0.052	0.974	0.020	0.002	0.15	1.17
11	13.497	3.500	-1.980	0.926	978.5	1455.5	502.0	84.8	0.898	0.974	1.000	0.052	0.974	0.018	-0.005	-0.27	1.06
12	13.830	3.500	-1.980	0.927	980.1	1457.6	503.5	85.1	0.905	0.979	1.000	0.040	0.979	0.017	-0.011	-0.64	1.00
13	14.163	3.500	-1.980	0.924	977.2	1457.3	501.6	85.2	0.918	0.994	1.000	0.013	0.994	0.015	-0.013	-0.73	0.89
14	14.496	3.500	-1.980	0.925	978.5	1458.0	502.6	85.2	0.942	1.015	1.000	-0.030	1.015	0.014	-0.008	-0.45	0.77
15	14.829	3.500	-1.980	0.923	976.2	1459.5	501.9	85.0	0.970	1.042	1.000	-0.085	1.042	0.011	0.000	0.02	0.60
16	15.162	3.500	-1.980	0.925	978.2	1452.2	500.5	85.1	0.988	1.057	0.999	-0.115	1.057	0.009	0.007	0.38	0.51
17	15.495	3.500	-1.980	0.922	975.3	1453.4	499.3	84.9	0.980	1.053	1.000	-0.106	1.053	0.007	0.010	0.56	0.36
18	15.828	3.500	-1.980	0.924	976.7	1456.2	501.1	85.0	0.988	1.058	1.000	-0.116	1.058	0.005	0.014	0.77	0.28
19	16.161	3.500	-1.980	0.926	979.0	1458.1	503.0	85.2	1.023	1.087	1.000	-0.175	1.087	0.003	0.023	1.23	0.17
20	16.494	3.500	-1.980	0.927	979.5	1458.1	503.5	84.9	1.068	1.125	1.000	-0.251	1.124	0.001	0.042	2.16	0.07
21	16.827	3.500	-1.980	0.927	979.3	1458.5	503.4	84.9	1.084	1.139	1.000	-0.280	1.138	0.003	0.062	3.10	0.13
22	17.160	3.500	-1.980	0.927	979.6	1458.2	503.6	84.8	0.973	1.042	0.999	-0.085	1.040	0.006	0.056	3.11	0.34
23	17.493	3.500	-1.980	0.924	977.2	1460.1	502.7	85.0	0.939	1.013	1.000	-0.026	1.012	0.007	0.049	2.79	0.39
24	17.826	3.500	-1.980	0.926	979.0	1459.7	503.6	85.1	0.923	0.998	1.000	0.005	0.997	0.007	0.046	2.62	0.42
25	18.159	3.500	-1.980	0.928	980.3	1460.6	504.7	84.9	0.915	0.988	1.000	0.023	0.987	0.008	0.041	2.39	0.45
27	18.492	3.500	-1.980	0.927	979.4	1461.0	504.3	85.0	0.909	0.984	0.999	0.031	0.983	0.008	0.036	2.10	0.46
28	18.825	3.500	-1.980	0.927	979.3	1460.6	504.1	85.0	0.908	0.983	1.000	0.034	0.982	0.008	0.033	1.91	0.44
29	19.158	3.500	-1.980	0.927	980.1	1460.5	504.5	85.1	0.909	0.983	1.000	0.034	0.983	0.008	0.030	1.77	0.46
30	19.491	3.500	-1.980	0.927	980.2	1460.6	504.6	85.2	0.912	0.986	1.000	0.028	0.985	0.008	0.028	1.65	0.47

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	446	2.983	2.00	22	1002	2.01	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
5	10.500	3.500	-1.230	0.925	977.4	1451.2	499.9	84.7	0.914	0.990	1.000	0.020	0.989	0.011	0.036	2.09	0.66
6	10.833	3.500	-1.230	0.926	978.2	1454.0	501.3	84.8	0.906	0.982	0.999	0.035	0.981	0.015	0.035	2.03	0.85
7	11.166	3.500	-1.230	0.926	978.8	1457.0	502.6	85.0	0.902	0.978	1.000	0.044	0.977	0.018	0.031	1.85	1.06
8	11.499	3.500	-1.230	0.926	978.7	1457.1	502.7	84.8	0.896	0.972	1.000	0.057	0.971	0.022	0.028	1.66	1.32
9	11.832	3.500	-1.230	0.928	980.1	1459.1	504.2	84.8	0.891	0.966	0.999	0.066	0.966	0.026	0.023	1.36	1.56
10	12.165	3.500	-1.230	0.925	977.5	1459.3	502.7	84.9	0.886	0.964	1.000	0.073	0.963	0.030	0.015	0.91	1.76
11	12.498	3.500	-1.230	0.926	979.0	1454.2	501.6	85.2	0.884	0.961	1.000	0.077	0.961	0.031	0.007	0.44	1.88
12	12.831	3.500	-1.230	0.926	979.1	1455.7	502.3	85.0	0.883	0.960	1.000	0.080	0.959	0.030	-0.001	-0.04	1.78
13	13.164	3.500	-1.230	0.927	979.3	1456.2	502.7	84.9	0.881	0.958	1.000	0.084	0.957	0.026	-0.010	-0.61	1.58
14	13.497	3.500	-1.230	0.926	978.7	1458.4	503.0	85.0	0.868	0.945	1.000	0.108	0.945	0.026	-0.033	-2.00	1.59
15	13.830	3.500	-1.230	0.927	979.9	1459.4	504.1	84.9	0.881	0.957	1.000	0.085	0.955	0.026	-0.047	-2.83	1.55
16	14.163	3.500	-1.230	0.928	980.2	1458.8	504.2	84.8	0.914	0.987	1.000	0.025	0.986	0.023	-0.043	-2.48	1.33
17	14.496	3.500	-1.230	0.927	979.2	1451.7	501.1	84.9	0.974	1.043	1.000	-0.086	1.043	0.017	-0.025	-1.39	0.95
18	14.829	3.500	-1.230	0.923	976.2	1454.3	500.2	84.9	0.999	1.068	0.999	-0.139	1.068	0.011	-0.012	-0.65	0.58
19	15.162	3.500	-1.230	0.924	976.6	1454.5	500.4	85.0	0.996	1.066	1.000	-0.132	1.066	0.008	-0.002	-0.13	0.41
20	15.495	3.500	-1.230	0.925	977.9	1456.7	501.9	85.2	0.987	1.056	1.000	-0.112	1.056	0.005	0.005	0.26	0.28
21	15.828	3.500	-1.230	0.928	980.1	1459.7	504.4	84.9	0.996	1.062	0.999	-0.125	1.062	0.002	0.009	0.47	0.12
22	16.161	3.500	-1.230	0.929	981.1	1459.1	504.8	84.7	1.075	1.130	1.000	-0.261	1.129	-0.001	0.035	1.78	-0.05
23	16.494	3.500	-1.230	0.926	978.1	1458.7	502.9	84.7	1.145	1.192	1.000	-0.383	1.187	-0.009	0.098	4.73	-0.41
24	16.827	3.500	-1.230	0.924	976.7	1459.6	502.2	85.1	1.029	1.095	0.998	-0.194	1.091	-0.000	0.069	4.65	-0.01
25	17.160	3.500	-1.230	0.925	978.1	1460.9	503.5	85.1	0.927	1.001	0.996	-0.009	0.999	0.005	0.066	3.78	0.28
26	17.493	3.500	-1.230	0.926	978.5	1458.7	503.1	84.8	0.917	0.992	0.996	0.010	0.990	0.007	0.060	3.48	0.41
27	17.826	3.500	-1.230	0.925	977.9	1460.5	503.4	84.8	0.906	0.982	0.996	0.028	0.981	0.008	0.052	3.05	0.47
28	18.159	3.500	-1.230	0.927	979.6	1459.7	504.0	85.0	0.896	0.971	0.996	0.051	0.970	0.008	0.046	2.69	0.49
29	18.492	3.500	-1.230	0.929	981.9	1461.3	505.8	85.1	0.893	0.967	0.996	0.059	0.966	0.009	0.038	2.28	0.51
30	18.825	3.500	-1.230	0.928	980.2	1449.1	500.7	85.0	0.894	0.969	0.996	0.054	0.969	0.009	0.034	2.00	0.51
31	19.158	3.500	-1.230	0.926	979.0	1452.7	501.2	85.0	0.900	0.976	0.997	0.043	0.975	0.008	0.031	1.81	0.49
32	19.491	3.500	-1.230	0.927	979.8	1456.6	502.9	85.2	0.906	0.980	0.996	0.033	0.980	0.009	0.029	1.68	0.52

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	447	2.997	2.00	22	1003	2.01	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	2.750	-1.230	0.925	977.8	1459.4	502.8	85.1	0.906	0.983	1.000	0.034	0.982	0.014	0.034	1.99	0.79
3	11.166	2.750	-1.230	0.926	978.8	1460.5	503.8	85.1	0.890	0.967	1.000	0.065	0.966	0.023	0.025	1.47	1.36
4	11.832	2.750	-1.230	0.927	979.5	1460.4	504.1	85.1	0.882	0.959	1.000	0.083	0.958	0.027	0.011	0.63	1.59
5	12.498	2.750	-1.230	0.927	979.7	1460.1	504.2	84.9	0.887	0.963	1.000	0.075	0.963	0.022	-0.005	-0.30	1.30
6	13.164	2.750	-1.230	0.926	978.7	1460.0	503.6	85.0	0.891	0.968	1.000	0.064	0.967	0.011	-0.013	-0.76	0.67
7	13.830	2.750	-1.230	0.927	979.7	1459.5	504.1	84.9	0.890	0.966	1.000	0.069	0.965	-0.007	-0.030	-1.78	-0.43
8	14.496	2.750	-1.230	0.928	980.3	1460.2	504.6	85.0	0.959	1.028	1.000	-0.057	1.028	-0.002	-0.027	-1.50	-0.10
9	15.162	2.750	-1.230	0.925	977.7	1460.6	503.1	85.1	1.007	1.074	1.000	-0.149	1.074	0.004	-0.002	-0.13	0.19
10	15.828	2.750	-1.230	0.926	979.1	1460.4	503.9	85.0	1.002	1.068	1.000	-0.137	1.068	0.003	0.005	0.50	0.15
11	16.494	2.750	-1.230	0.926	979.3	1459.9	503.8	85.1	1.124	1.173	1.000	-0.348	1.171	0.029	0.069	3.37	1.39
12	17.160	2.750	-1.230	0.925	978.0	1459.9	503.2	84.9	0.940	1.013	0.998	-0.029	1.011	0.020	0.062	3.50	1.11
13	17.826	2.750	-1.230	0.929	981.5	1460.3	505.3	85.0	0.909	0.982	0.997	0.032	0.980	0.014	0.050	2.92	0.80
15	18.492	2.750	-1.230	0.925	978.1	1457.8	502.6	84.8	0.893	0.970	0.998	0.057	0.969	0.011	0.036	2.13	0.66
17	19.158	2.750	-1.230	0.928	980.8	1453.1	502.4	85.1	0.901	0.975	0.996	0.044	0.974	0.009	0.028	1.64	0.55
18	19.824	2.750	-1.230	0.930	982.0	1456.4	504.3	84.9	0.910	0.982	0.996	0.030	0.982	0.009	0.025	1.47	0.53

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	450	2.999	2.00	22	1006	2.02	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	-2.750	-1.230	0.923	976.3	1461.2	502.5	85.1	0.904	0.982	1.000	0.036	0.981	-0.016	0.035	2.07	-0.96
3	11.833	-2.750	-1.230	0.925	978.3	1460.6	503.5	85.1	0.879	0.957	1.000	0.087	0.956	-0.027	0.008	0.45	-1.63
4	13.166	-2.750	-1.230	0.929	981.2	1461.0	505.3	85.1	0.892	0.966	1.000	0.067	0.966	-0.012	-0.012	-0.72	-0.73
6	14.499	-2.750	-1.230	0.926	979.1	1459.9	503.7	85.1	0.955	1.026	1.000	-0.051	1.026	0.003	-0.025	-1.39	0.19
7	15.832	-2.750	-1.230	0.928	980.3	1460.0	504.6	84.9	1.010	1.074	1.000	-0.148	1.074	-0.003	0.010	0.55	-0.18
8	17.165	-2.750	-1.230	0.928	980.1	1459.3	504.3	84.7	0.936	1.007	0.998	-0.017	1.005	-0.021	0.058	3.32	-1.16
10	18.498	-2.750	-1.230	0.924	976.4	1460.9	502.6	84.9	0.892	0.971	0.998	0.056	0.970	-0.011	0.033	1.93	-0.64
12	19.831	-2.750	-1.230	0.927	979.6	1460.5	504.2	85.1	0.912	0.986	0.998	0.025	0.986	-0.009	0.023	1.34	-0.52

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	457	3.004	5.00	22	1001	5.00	2-21-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
6	10.500	4.250	-1.230	0.928	981.5	1464.2	506.2	86.0	0.906	0.980	0.999	0.039	0.975	0.018	0.096	5.61	1.07
7	11.166	4.250	-1.230	0.927	981.0	1465.2	506.0	86.3	0.891	0.967	0.999	0.064	0.962	0.027	0.092	5.47	1.62
8	11.832	4.250	-1.230	0.922	976.6	1463.6	502.9	86.3	0.872	0.953	1.000	0.094	0.948	0.040	0.087	5.22	2.41
10	12.498	4.250	-1.230	0.924	978.3	1463.4	503.9	86.1	0.852	0.932	0.999	0.135	0.927	0.060	0.075	4.60	3.70
11	13.164	4.250	-1.230	0.925	979.3	1463.8	504.6	86.1	0.838	0.918	1.000	0.163	0.914	0.073	0.046	2.91	4.54
12	13.830	4.250	-1.230	0.928	981.1	1464.1	505.8	86.1	0.854	0.931	0.999	0.136	0.928	0.075	0.019	1.17	4.63
13	14.496	4.250	-1.230	0.926	979.8	1463.5	504.8	86.1	0.898	0.974	1.000	0.051	0.973	0.058	0.016	0.94	3.43
14	15.162	4.250	-1.230	0.926	979.6	1463.5	504.6	86.3	0.927	1.002	1.000	-0.002	1.001	0.042	0.022	1.26	2.38
15	15.828	4.250	-1.230	0.928	981.2	1464.5	506.0	86.1	0.947	1.018	1.000	-0.036	1.017	0.031	0.029	1.62	1.76
16	16.494	4.250	-1.230	0.924	978.3	1465.4	504.6	86.1	1.080	1.138	0.999	-0.279	1.136	0.001	0.070	3.53	0.04
17	17.160	4.250	-1.230	0.927	980.8	1465.0	505.8	86.3	0.962	1.032	1.000	-0.064	1.029	0.021	0.073	4.03	1.15
19	17.826	4.250	-1.230	0.927	980.3	1464.4	505.4	86.2	0.921	0.995	1.000	0.009	0.992	0.034	0.069	3.97	1.94
20	18.492	4.250	-1.230	0.929	982.1	1464.8	506.7	86.0	0.901	0.974	0.999	0.050	0.972	0.036	0.058	3.40	2.12
21	19.158	4.250	-1.230	0.929	982.7	1465.7	507.2	86.3	0.902	0.975	0.999	0.047	0.973	0.038	0.051	2.98	2.22
22	19.824	4.250	-1.230	0.929	982.3	1464.8	506.7	86.2	0.911	0.984	0.999	0.031	0.982	0.039	0.047	2.76	2.28

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	461	2.996	5.00	22	1005	5.00	2-21-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	3.500	-2.730	0.924	978.1	1464.8	504.0	86.6	0.900	0.978	1.000	0.044	0.974	0.018	0.085	4.97	1.07
3	10.833	3.500	-2.730	0.924	978.2	1465.3	504.2	86.7	0.895	0.974	1.000	0.053	0.970	0.020	0.082	4.81	1.18
4	11.166	3.500	-2.730	0.924	978.5	1465.8	504.6	86.6	0.890	0.968	1.000	0.063	0.965	0.023	0.078	4.63	1.35
5	11.499	3.500	-2.730	0.925	979.1	1465.0	504.8	86.4	0.886	0.963	1.000	0.074	0.960	0.025	0.074	4.42	1.51
6	11.832	3.500	-2.730	0.926	979.8	1465.4	505.4	86.3	0.882	0.959	1.000	0.081	0.956	0.027	0.070	4.18	1.64
7	12.165	3.500	-2.730	0.927	980.5	1465.3	505.8	86.2	0.879	0.956	0.999	0.087	0.953	0.030	0.065	3.92	1.77
8	12.498	3.500	-2.730	0.926	980.2	1463.5	505.0	86.2	0.877	0.954	1.000	0.091	0.952	0.031	0.060	3.61	1.86
9	12.831	3.500	-2.730	0.926	979.8	1464.1	505.0	86.2	0.877	0.954	1.001	0.093	0.952	0.032	0.055	3.29	1.93
10	13.164	3.500	-2.730	0.927	980.9	1463.8	505.4	86.4	0.878	0.955	1.001	0.092	0.953	0.033	0.049	2.92	1.97
11	13.497	3.500	-2.730	0.929	982.1	1465.5	506.9	86.2	0.882	0.957	1.000	0.086	0.955	0.033	0.043	2.61	1.97
12	13.830	3.500	-2.730	0.929	982.6	1464.6	506.8	86.3	0.888	0.962	1.000	0.076	0.961	0.033	0.039	2.33	1.94
13	14.163	3.500	-2.730	0.923	977.4	1463.3	503.3	86.2	0.892	0.971	1.000	0.058	0.970	0.032	0.037	2.20	1.87
14	14.496	3.500	-2.730	0.925	979.0	1464.6	504.7	86.2	0.904	0.980	1.000	0.039	0.979	0.030	0.037	2.14	1.76
15	14.829	3.500	-2.730	0.925	978.8	1462.7	503.9	86.2	0.914	0.990	1.001	0.021	0.989	0.029	0.037	2.15	1.65
16	15.162	3.500	-2.730	0.928	981.5	1465.6	506.4	86.4	0.927	0.999	1.000	0.002	0.998	0.028	0.039	2.22	1.58
17	15.495	3.500	-2.730	0.928	981.6	1464.5	506.1	86.4	0.935	1.007	1.001	-0.013	1.006	0.026	0.041	2.31	1.49
20	15.828	3.500	-2.730	0.927	980.8	1466.7	506.3	86.5	0.945	1.017	0.999	-0.035	1.016	0.025	0.043	2.45	1.43
21	16.161	3.500	-2.730	0.924	978.4	1463.2	503.7	86.5	0.954	1.028	1.001	-0.053	1.026	0.024	0.048	2.68	1.34
22	16.494	3.500	-2.730	0.927	980.7	1465.9	506.0	86.4	0.981	1.049	1.000	-0.098	1.047	0.023	0.056	3.07	1.25
23	16.827	3.500	-2.730	0.925	979.3	1464.7	504.8	86.4	0.985	1.055	1.000	-0.110	1.053	0.023	0.065	3.52	1.28
24	17.160	3.500	-2.730	0.926	980.3	1465.4	505.4	86.5	0.963	1.034	1.000	-0.068	1.032	0.025	0.066	3.64	1.37
25	17.493	3.500	-2.730	0.927	980.9	1466.4	506.2	86.6	0.941	1.013	0.999	-0.028	1.011	0.026	0.065	3.70	1.46
26	17.826	3.500	-2.730	0.927	981.1	1465.3	506.0	86.5	0.932	1.005	1.000	-0.009	1.003	0.027	0.063	3.62	1.53
27	18.159	3.500	-2.730	0.926	980.3	1466.2	505.8	86.5	0.922	0.996	1.000	0.007	0.994	0.027	0.060	3.46	1.58
28	18.492	3.500	-2.730	0.928	981.9	1465.8	506.7	86.4	0.918	0.991	0.999	0.018	0.988	0.028	0.058	3.37	1.61
29	18.825	3.500	-2.730	0.926	979.7	1463.8	504.8	86.3	0.913	0.988	1.001	0.025	0.986	0.028	0.056	3.24	1.62
30	19.158	3.500	-2.730	0.929	983.0	1466.1	507.5	86.4	0.917	0.988	1.000	0.023	0.986	0.028	0.054	3.11	1.63
31	19.491	3.500	-2.730	0.928	981.6	1463.6	505.9	86.2	0.916	0.989	1.000	0.023	0.987	0.028	0.052	3.03	1.64

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	460	3.001	5.00	22	1004	5.00	2-21-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
2	10.500	3.500	-1.980	0.923	977.7	1466.7	504.6	86.4	0.897	0.975	0.999	0.049	0.971	0.021	0.090	5.28	1.25
3	10.833	3.500	-1.980	0.925	978.7	1464.4	504.3	86.4	0.890	0.968	0.999	0.062	0.964	0.024	0.087	5.14	1.42
4	11.166	3.500	-1.980	0.924	978.0	1465.6	504.3	86.5	0.882	0.961	1.000	0.078	0.957	0.028	0.083	4.98	1.70
5	11.499	3.500	-1.980	0.924	978.0	1463.1	503.6	86.2	0.875	0.954	1.000	0.092	0.950	0.033	0.079	4.73	1.97
6	11.832	3.500	-1.980	0.925	979.3	1465.6	505.1	86.5	0.871	0.949	1.000	0.102	0.945	0.037	0.072	4.37	2.22
7	12.165	3.500	-1.980	0.925	979.3	1464.1	504.6	86.4	0.864	0.943	1.000	0.113	0.940	0.040	0.065	3.95	2.44
8	12.498	3.500	-1.980	0.926	979.9	1466.2	505.7	86.4	0.862	0.940	1.000	0.118	0.937	0.042	0.057	3.47	2.59
9	12.831	3.500	-1.980	0.926	980.1	1465.5	505.5	86.4	0.860	0.938	1.000	0.123	0.936	0.043	0.048	2.95	2.65
10	13.164	3.500	-1.980	0.927	980.4	1464.0	505.3	86.2	0.859	0.937	1.000	0.125	0.935	0.043	0.039	2.40	2.64
11	13.497	3.500	-1.980	0.927	981.0	1464.2	505.7	86.2	0.864	0.941	1.000	0.118	0.940	0.042	0.030	1.81	2.59
12	13.830	3.500	-1.980	0.926	980.1	1464.1	505.1	86.3	0.873	0.950	1.001	0.100	0.949	0.041	0.022	1.34	2.48
13	14.163	3.500	-1.980	0.927	981.1	1464.2	505.7	86.4	0.889	0.964	1.001	0.072	0.963	0.040	0.020	1.17	2.36
14	14.496	3.500	-1.980	0.929	982.3	1464.8	506.7	86.3	0.906	0.979	1.000	0.043	0.978	0.038	0.022	1.30	2.20
15	14.829	3.500	-1.980	0.930	983.3	1464.6	507.2	86.2	0.922	0.993	0.999	0.013	0.992	0.034	0.025	1.46	1.98
16	15.162	3.500	-1.980	0.927	980.7	1463.5	505.2	86.4	0.931	1.004	1.000	-0.007	1.003	0.032	0.030	1.69	1.85
17	15.495	3.500	-1.980	0.925	979.2	1466.0	505.2	86.3	0.938	1.012	1.000	-0.023	1.011	0.031	0.033	1.85	1.74
18	15.828	3.500	-1.980	0.926	980.1	1463.1	504.8	86.2	0.947	1.019	1.000	-0.038	1.018	0.029	0.036	2.04	1.60
19	16.161	3.500	-1.980	0.924	978.3	1463.6	504.0	86.2	0.974	1.046	1.001	-0.091	1.045	0.026	0.045	2.46	1.44
20	16.494	3.500	-1.980	0.926	979.5	1463.1	504.4	86.3	1.043	1.105	1.001	-0.210	1.103	0.025	0.065	3.35	1.29
21	16.827	3.500	-1.980	0.928	981.9	1466.1	506.9	86.3	1.032	1.093	1.000	-0.186	1.090	0.026	0.073	3.83	1.37
22	17.160	3.500	-1.980	0.926	979.8	1463.9	504.9	86.2	0.953	1.025	1.000	-0.049	1.022	0.028	0.069	3.84	1.59
23	17.493	3.500	-1.980	0.926	979.8	1465.2	505.3	86.3	0.938	1.011	0.999	-0.023	1.008	0.030	0.067	3.78	1.71
24	17.826	3.500	-1.980	0.923	976.9	1464.2	503.2	86.4	0.919	0.997	1.000	0.006	0.995	0.031	0.062	3.58	1.80
25	18.159	3.500	-1.980	0.924	978.0	1464.5	503.9	86.5	0.911	0.988	1.000	0.024	0.986	0.032	0.058	3.38	1.84
26	18.492	3.500	-1.980	0.926	980.3	1467.6	506.4	86.3	0.908	0.983	0.999	0.032	0.981	0.032	0.054	3.17	1.86
27	18.825	3.500	-1.980	0.928	982.0	1465.2	506.6	86.3	0.908	0.981	1.000	0.038	0.979	0.032	0.051	3.01	1.89
28	19.158	3.500	-1.980	0.926	980.4	1463.7	505.1	86.4	0.908	0.983	1.000	0.034	0.982	0.032	0.049	2.85	1.89
29	19.491	3.500	-1.980	0.927	981.0	1465.0	505.8	86.6	0.911	0.985	1.001	0.031	0.983	0.033	0.046	2.70	1.91

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	458	2.994	5.00	22	1002	5.01	2-21-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	3.500	-1.230	0.924	978.4	1462.1	503.5	86.2	0.895	0.973	1.000	0.055	0.968	0.021	0.094	5.53	1.27
3	10.833	3.500	-1.230	0.926	979.3	1464.2	504.8	86.0	0.887	0.964	1.000	0.072	0.959	0.027	0.091	5.42	1.59
4	11.166	3.500	-1.230	0.927	980.3	1465.0	505.7	86.1	0.878	0.955	0.999	0.088	0.950	0.033	0.087	5.23	2.01
5	11.499	3.500	-1.230	0.926	979.8	1463.4	504.7	86.3	0.865	0.943	1.000	0.113	0.938	0.044	0.086	5.21	2.70
6	11.832	3.500	-1.230	0.927	980.9	1464.6	505.6	86.5	0.854	0.932	0.999	0.134	0.927	0.053	0.076	4.67	3.25
7	12.165	3.500	-1.230	0.927	980.6	1465.1	505.7	86.3	0.845	0.923	1.000	0.152	0.919	0.058	0.064	4.01	3.64
8	12.498	3.500	-1.230	0.928	981.6	1464.7	506.3	86.2	0.838	0.916	1.000	0.166	0.913	0.061	0.050	3.12	3.83
9	12.831	3.500	-1.230	0.926	979.9	1466.4	505.8	86.4	0.834	0.914	0.999	0.170	0.911	0.061	0.035	2.19	3.80
10	13.164	3.500	-1.230	0.926	979.8	1465.4	505.4	86.3	0.833	0.912	1.000	0.174	0.910	0.058	0.020	1.23	3.62
11	13.497	3.500	-1.230	0.927	980.5	1465.2	505.8	86.1	0.829	0.907	1.000	0.183	0.906	0.058	-0.006	-0.37	3.65
12	13.830	3.500	-1.230	0.927	981.0	1463.9	505.6	86.3	0.851	0.928	1.001	0.144	0.926	0.057	-0.017	-1.04	3.55
13	14.163	3.500	-1.230	0.926	980.0	1463.8	504.9	86.4	0.886	0.963	1.001	0.076	0.961	0.056	-0.013	-0.75	3.32
14	14.496	3.500	-1.230	0.926	979.7	1464.2	504.8	86.4	0.916	0.992	1.001	0.018	0.990	0.052	0.002	0.13	2.99
15	14.829	3.500	-1.230	0.927	981.1	1465.6	506.2	86.4	0.935	1.007	1.000	-0.015	1.006	0.047	0.012	0.71	2.67
16	15.162	3.500	-1.230	0.924	977.8	1463.1	503.4	86.3	0.936	1.011	1.002	-0.020	1.010	0.044	0.018	1.04	2.51
17	15.495	3.500	-1.230	0.927	980.4	1465.0	505.6	86.3	0.947	1.019	1.000	-0.038	1.018	0.041	0.024	1.35	2.28
18	15.828	3.500	-1.230	0.925	978.7	1464.5	504.5	86.2	0.952	1.025	1.000	-0.050	1.024	0.037	0.029	1.61	2.08
19	16.161	3.500	-1.230	0.925	979.0	1462.9	504.1	86.1	1.056	1.117	1.000	-0.234	1.115	0.032	0.057	2.94	1.64
20	16.494	3.500	-1.230	0.927	980.5	1463.2	505.1	86.1	1.129	1.177	1.000	-0.355	1.171	0.024	0.117	5.72	1.19
21	16.827	3.500	-1.230	0.930	982.9	1463.9	506.9	86.0	0.975	1.041	0.998	-0.085	1.037	0.030	0.091	5.01	1.67
23	17.160	3.500	-1.230	0.926	980.1	1464.9	505.4	86.3	0.932	1.006	0.999	-0.014	1.002	0.036	0.078	4.45	2.03
24	17.493	3.500	-1.230	0.925	978.4	1463.2	503.9	86.1	0.921	0.997	0.999	0.005	0.993	0.038	0.072	4.16	2.17
25	17.826	3.500	-1.230	0.927	980.5	1464.3	505.5	86.1	0.911	0.985	0.999	0.027	0.982	0.040	0.066	3.84	2.31
26	18.159	3.500	-1.230	0.926	980.3	1464.2	505.2	86.4	0.902	0.978	0.999	0.043	0.975	0.040	0.060	3.50	2.34
27	18.492	3.500	-1.230	0.927	980.9	1464.9	505.9	86.3	0.897	0.972	0.999	0.055	0.970	0.040	0.054	3.19	2.34
28	18.825	3.500	-1.230	0.927	980.9	1465.5	505.9	86.6	0.898	0.973	0.999	0.052	0.971	0.040	0.049	2.87	2.36
29	19.158	3.500	-1.230	0.928	981.8	1465.0	506.4	86.4	0.902	0.976	0.999	0.047	0.974	0.039	0.046	2.72	2.31
30	19.491	3.500	-1.230	0.928	982.2	1465.0	506.5	86.6	0.907	0.980	0.999	0.037	0.978	0.039	0.044	2.55	2.31

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	459	2.996	5.00	22	1003	5.01	2-21-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	2.750	-1.230	0.922	976.3	1463.5	502.9	86.0	0.883	0.963	1.000	0.073	0.958	0.029	0.096	5.73	1.71
3	11.166	2.750	-1.230	0.924	978.0	1465.2	504.4	86.1	0.855	0.935	0.999	0.128	0.930	0.044	0.061	4.95	2.72
12	11.832	2.750	-1.230	0.925	979.1	1464.1	504.5	86.3	0.836	0.916	0.999	0.165	0.913	0.054	0.053	3.32	3.38
13	12.498	2.750	-1.230	0.925	979.2	1463.6	504.4	86.3	0.836	0.916	1.001	0.168	0.914	0.049	0.027	1.72	3.09
14	13.164	2.750	-1.230	0.928	981.3	1464.9	506.1	86.3	0.844	0.922	1.000	0.156	0.921	0.036	0.010	0.62	2.24
15	13.830	2.750	-1.230	0.926	980.5	1466.8	506.1	86.6	0.854	0.932	0.999	0.133	0.932	0.016	-0.015	-0.89	0.98
16	14.496	2.750	-1.230	0.925	978.7	1464.9	504.6	86.2	0.909	0.985	1.000	0.030	0.985	0.019	-0.014	-0.81	1.08
17	15.162	2.750	-1.230	0.927	980.3	1465.1	505.7	86.1	0.945	1.017	1.000	-0.035	1.017	0.022	0.004	0.24	1.24
18	15.828	2.750	-1.230	0.927	980.2	1465.7	505.8	86.1	0.958	1.029	0.999	-0.059	1.029	0.020	0.015	0.85	1.12
19	16.494	2.750	-1.230	0.928	981.4	1462.5	505.5	86.1	1.113	1.163	1.000	-0.325	1.159	0.051	0.076	3.87	2.52
20	17.160	2.750	-1.230	0.927	980.6	1464.9	505.8	86.2	0.939	1.011	0.999	-0.023	1.008	0.034	0.063	3.60	1.96
21	17.826	2.750	-1.230	0.928	982.1	1466.6	507.1	86.4	0.913	0.986	0.999	0.027	0.984	0.032	0.054	3.17	1.88
22	18.492	2.750	-1.230	0.925	978.9	1461.8	503.7	86.1	0.895	0.972	1.001	0.057	0.971	0.030	0.043	2.51	1.79
24	19.158	2.750	-1.230	0.928	981.3	1465.0	506.2	86.2	0.902	0.977	1.000	0.046	0.976	0.030	0.035	2.05	1.77
25	19.824	2.750	-1.230	0.928	981.8	1464.1	506.2	86.2	0.910	0.983	1.000	0.033	0.982	0.030	0.032	1.87	1.73

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	462	3.004	5.00	22	1006	5.00	2-21-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	-2.750	-1.230	0.926	980.3	1466.0	505.9	86.3	0.882	0.959	1.000	0.081	0.953	-0.032	0.097	5.82	-1.90
3	11.833	-2.750	-1.230	0.927	980.5	1466.7	506.2	86.4	0.832	0.911	1.000	0.176	0.908	-0.057	0.049	3.06	-3.57
4	13.166	-2.750	-1.230	0.926	980.5	1466.5	506.0	86.6	0.843	0.922	1.000	0.155	0.921	-0.035	0.008	0.51	-2.17
5	14.499	-2.750	-1.230	0.926	980.5	1466.9	506.2	86.5	0.908	0.983	0.999	0.033	0.983	-0.016	-0.011	-0.67	-0.92
7	15.832	-2.750	-1.230	0.923	977.9	1466.6	504.5	86.6	0.960	1.033	0.999	-0.068	1.033	-0.019	0.018	0.98	-1.07
8	17.165	-2.750	-1.230	0.929	982.5	1465.6	507.0	86.4	0.934	1.005	1.000	-0.010	1.002	-0.034	0.062	3.53	-1.95
10	18.498	-2.750	-1.230	0.926	980.3	1465.8	505.6	86.7	0.893	0.969	1.000	0.061	0.968	-0.027	0.038	2.23	-1.56
12	19.831	-2.750	-1.230	0.928	982.1	1466.9	507.2	86.5	0.911	0.984	0.999	0.031	0.983	-0.026	0.029	1.67	-1.54

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	307	3.006	0.00	22	401	0.02	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
5	10.500	4.250	-2.730	0.954	998.8	1429.9	507.3	79.7	0.951	0.997	0.998	0.003	0.997	0.004	-0.007	-0.40	0.22
6	11.166	4.250	-2.730	0.953	998.0	1428.1	506.3	79.5	0.944	0.992	0.999	0.014	0.992	0.005	-0.009	-0.52	0.32
7	11.832	4.250	-2.730	0.950	996.1	1429.6	505.4	80.2	0.941	0.992	0.999	0.015	0.991	0.007	-0.012	-0.71	0.39
8	12.498	4.250	-2.730	0.951	996.7	1429.8	505.9	80.0	0.940	0.991	0.999	0.018	0.990	0.007	-0.015	-0.87	0.40
9	13.164	4.250	-2.730	0.952	997.8	1429.6	506.5	80.0	0.942	0.991	0.999	0.017	0.991	0.007	-0.020	-1.14	0.41
10	13.830	4.250	-2.730	0.954	998.8	1429.8	507.3	79.5	0.945	0.992	0.999	0.014	0.992	0.007	-0.025	-1.46	0.39
11	14.496	4.250	-2.730	0.950	996.1	1430.3	505.4	80.7	0.973	1.021	1.000	-0.042	1.020	0.004	-0.025	-1.41	0.22
12	15.162	4.250	-2.730	0.952	997.3	1429.5	506.1	80.1	1.037	1.075	0.999	-0.150	1.075	-0.002	-0.013	-0.68	-0.13
13	15.828	4.250	-2.730	0.948	994.0	1429.2	504.0	80.4	1.064	1.101	0.999	-0.204	1.101	-0.010	0.005	0.24	-0.51
14	16.494	4.250	-2.730	0.951	996.5	1431.2	506.1	80.4	1.061	1.096	0.999	-0.194	1.096	-0.013	0.011	0.58	-0.68
15	17.160	4.250	-2.730	0.954	999.9	1431.4	508.1	80.3	1.112	1.134	0.999	-0.270	1.134	-0.019	0.029	1.44	-0.96
16	17.826	4.250	-2.730	0.953	998.5	1431.9	507.5	80.4	0.946	0.994	0.997	0.007	0.993	-0.011	0.028	1.60	-0.66
17	18.492	4.250	-2.730	0.952	998.1	1432.0	507.2	80.4	0.915	0.966	0.996	0.061	0.966	-0.010	0.018	1.06	-0.59
18	19.158	4.250	-2.730	0.953	998.9	1430.4	507.1	80.5	0.921	0.971	0.996	0.052	0.971	-0.009	0.013	0.75	-0.53
19	19.824	4.250	-2.730	0.953	998.5	1432.3	507.6	80.4	0.928	0.978	0.996	0.038	0.977	-0.009	0.009	0.50	-0.50

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	308	3.001	0.00	22	402	0.01	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	4.250	-1.980	0.949	994.9	1431.1	505.3	80.1	0.942	0.994	0.999	0.011	0.994	0.005	-0.007	-0.38	0.28
2	11.166	4.250	-1.980	0.950	995.6	1430.8	505.5	80.3	0.937	0.988	0.999	0.022	0.988	0.007	-0.009	-0.55	0.43
3	11.832	4.250	-1.980	0.951	996.8	1431.4	506.4	80.4	0.936	0.986	0.999	0.025	0.986	0.009	-0.013	-0.76	0.52
4	12.498	4.250	-1.980	0.952	997.6	1431.0	506.6	80.5	0.936	0.986	0.999	0.027	0.985	0.010	-0.018	-1.04	0.58
5	13.164	4.250	-1.980	0.953	998.6	1432.5	507.6	80.7	0.934	0.984	0.999	0.031	0.983	0.009	-0.024	-1.39	0.54
6	13.830	4.250	-1.980	0.954	999.2	1430.1	507.2	80.4	0.932	0.981	0.999	0.036	0.980	0.011	-0.033	-1.95	0.63
7	14.496	4.250	-1.980	0.952	998.0	1432.0	507.1	80.5	0.981	1.026	0.999	-0.053	1.025	0.005	-0.032	-1.80	0.30
8	15.162	4.250	-1.980	0.949	995.3	1431.6	505.4	80.7	1.059	1.096	0.999	-0.194	1.096	-0.007	-0.012	-0.64	-0.37
9	15.828	4.250	-1.980	0.951	996.9	1430.6	505.9	80.7	1.068	1.102	0.999	-0.205	1.102	-0.015	0.005	0.24	-0.77
10	16.494	4.250	-1.980	0.950	996.5	1432.1	506.1	81.0	1.086	1.117	0.998	-0.237	1.117	-0.018	0.014	0.72	-0.90
11	17.160	4.250	-1.980	0.951	997.5	1432.5	506.9	80.8	1.155	1.172	0.997	-0.346	1.170	-0.036	0.055	2.67	-1.75
12	17.826	4.250	-1.980	0.949	995.2	1431.7	505.4	80.6	0.909	0.964	0.995	0.063	0.964	-0.012	0.028	1.65	-0.72
13	18.492	4.250	-1.980	0.950	996.6	1432.9	506.5	80.8	0.906	0.960	0.995	0.072	0.960	-0.012	0.019	1.12	-0.69
14	19.158	4.250	-1.980	0.952	998.1	1431.5	506.9	80.9	0.911	0.964	0.994	0.063	0.963	-0.010	0.013	0.77	-0.62
15	19.824	4.250	-1.980	0.951	997.6	1433.8	507.5	80.7	0.920	0.972	0.994	0.046	0.972	-0.010	0.009	0.50	-0.58

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	309	2.997	0.00	22	403	0.02	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	4.250	-1.230	0.947	993.4	1431.9	504.5	80.5	0.937	0.991	0.999	0.017	0.991	0.006	-0.006	-0.32	0.35
2	11.166	4.250	-1.230	0.949	995.4	1434.3	506.2	81.1	0.932	0.985	0.998	0.027	0.985	0.010	-0.008	-0.49	0.57
3	11.832	4.250	-1.230	0.948	994.6	1431.1	504.8	80.8	0.926	0.980	0.999	0.037	0.980	0.013	-0.013	-0.74	0.77
4	12.498	4.250	-1.230	0.950	996.0	1432.4	506.1	80.7	0.925	0.978	0.999	0.042	0.978	0.016	-0.020	-1.17	0.92
5	13.164	4.250	-1.230	0.952	998.0	1433.4	507.4	80.9	0.923	0.974	0.999	0.049	0.974	0.014	-0.031	-1.80	0.85
6	13.830	4.250	-1.230	0.952	998.4	1430.6	506.8	80.7	0.912	0.964	0.999	0.069	0.963	0.022	-0.045	-2.70	1.31
7	14.496	4.250	-1.230	0.951	997.7	1433.9	507.3	81.2	0.995	1.039	0.998	-0.080	1.038	0.010	-0.046	-2.54	0.57
8	15.162	4.250	-1.230	0.945	992.3	1431.0	503.5	80.7	1.057	1.097	0.998	-0.196	1.097	-0.013	-0.022	-1.12	-0.69
9	15.828	4.250	-1.230	0.948	994.7	1432.4	505.1	81.2	1.033	1.075	0.997	-0.154	1.075	-0.017	-0.008	-0.41	-0.93
10	16.494	4.250	-1.230	0.950	997.2	1432.9	506.6	81.4	1.139	1.161	0.998	-0.322	1.159	-0.037	0.032	1.60	-1.84
11	17.160	4.250	-1.230	0.945	992.3	1433.2	504.3	80.7	1.108	1.140	0.993	-0.290	1.139	-0.024	0.039	1.96	-1.19
12	17.826	4.250	-1.230	0.949	995.8	1434.3	506.4	81.1	0.903	0.958	0.992	0.070	0.957	-0.012	0.031	1.88	-0.74
13	18.492	4.250	-1.230	0.947	993.7	1433.5	505.0	81.1	0.894	0.952	0.993	0.084	0.952	-0.012	0.019	1.15	-0.75
14	19.158	4.250	-1.230	0.950	996.5	1433.0	506.3	81.1	0.901	0.956	0.993	0.077	0.956	-0.011	0.012	0.70	-0.68
15	19.824	4.250	-1.230	0.953	999.3	1433.2	508.1	80.9	0.914	0.965	0.994	0.060	0.965	-0.010	0.007	0.43	-0.59

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	310	2.999	0.00	22	404	0.02	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-2.730	0.949	996.3	1433.6	506.4	81.2	0.943	0.995	0.999	0.009	0.995	0.004	-0.008	-0.47	0.22
2	10.833	3.500	-2.730	0.950	996.2	1432.6	506.2	80.8	0.940	0.991	0.999	0.016	0.991	0.004	-0.009	-0.55	0.23
3	11.166	3.500	-2.730	0.950	996.8	1434.0	507.0	81.0	0.939	0.990	0.999	0.018	0.990	0.005	-0.011	-0.65	0.27
4	11.499	3.500	-2.730	0.951	997.7	1434.0	507.4	81.2	0.939	0.989	0.999	0.020	0.989	0.005	-0.013	-0.74	0.30
5	11.832	3.500	-2.730	0.952	998.6	1434.2	507.9	81.3	0.939	0.989	0.999	0.020	0.989	0.005	-0.015	-0.84	0.31
6	12.165	3.500	-2.730	0.952	998.3	1433.8	507.6	81.3	0.939	0.989	0.999	0.020	0.989	0.005	-0.016	-0.93	0.29
7	12.498	3.500	-2.730	0.951	997.8	1432.8	507.1	81.0	0.941	0.991	0.999	0.017	0.991	0.005	-0.018	-1.01	0.26
8	12.831	3.500	-2.730	0.948	995.0	1432.9	505.6	80.8	0.940	0.992	0.999	0.013	0.992	0.004	-0.019	-1.12	0.21
9	13.164	3.500	-2.730	0.950	997.2	1435.8	507.5	81.6	0.943	0.994	0.999	0.010	0.994	0.003	-0.022	-1.27	0.17
10	13.497	3.500	-2.730	0.950	997.0	1435.1	507.4	81.1	0.943	0.993	0.999	0.012	0.993	0.002	-0.024	-1.41	0.13
11	13.830	3.500	-2.730	0.950	996.8	1432.0	506.2	81.0	0.943	0.994	0.999	0.011	0.994	0.002	-0.027	-1.57	0.11
12	14.163	3.500	-2.730	0.946	994.0	1432.8	504.6	81.7	0.954	1.007	0.999	-0.016	1.007	0.000	-0.028	-1.59	0.02
13	14.496	3.500	-2.730	0.947	994.3	1435.0	505.7	81.4	0.975	1.025	0.999	-0.051	1.025	-0.000	-0.025	-1.39	-0.02
14	14.829	3.500	-2.730	0.948	995.4	1434.1	506.0	81.4	1.011	1.055	0.999	-0.112	1.055	-0.002	-0.019	-1.04	-0.11
15	15.162	3.500	-2.730	0.950	996.3	1433.7	506.5	81.1	1.043	1.081	0.999	-0.164	1.081	-0.004	-0.010	-0.56	-0.20
16	15.495	3.500	-2.730	0.952	998.6	1435.8	508.3	81.6	1.065	1.098	0.999	-0.197	1.098	-0.005	-0.000	-0.01	-0.28
17	15.828	3.500	-2.730	0.952	999.0	1434.0	508.0	81.4	1.073	1.104	0.999	-0.209	1.104	-0.008	0.009	0.46	-0.41
18	16.161	3.500	-2.730	0.948	995.2	1434.3	506.0	81.4	1.064	1.101	0.998	-0.204	1.100	-0.011	0.012	0.63	-0.56
19	16.494	3.500	-2.730	0.949	995.8	1433.5	506.2	81.0	1.063	1.099	0.999	-0.200	1.099	-0.011	0.012	0.63	-0.59
20	16.827	3.500	-2.730	0.952	998.4	1435.6	508.2	81.4	1.092	1.121	0.999	-0.243	1.120	-0.013	0.021	1.05	-0.65
21	17.160	3.500	-2.730	0.953	1000.1	1435.6	509.0	81.7	1.118	1.141	0.998	-0.284	1.140	-0.014	0.035	1.76	-0.72
22	17.493	3.500	-2.730	0.950	996.6	1433.2	506.3	81.4	1.065	1.100	0.998	-0.203	1.099	-0.010	0.037	1.90	-0.50
23	17.826	3.500	-2.730	0.951	997.3	1434.1	507.1	81.2	0.929	0.981	0.998	0.034	0.980	-0.007	0.027	1.56	-0.41
24	18.159	3.500	-2.730	0.950	997.2	1435.3	507.3	81.7	0.918	0.971	0.996	0.051	0.971	-0.007	0.022	1.32	-0.42
25	18.492	3.500	-2.730	0.951	998.0	1434.4	507.4	81.7	0.917	0.970	0.997	0.055	0.970	-0.007	0.019	1.13	-0.42
26	18.825	3.500	-2.730	0.953	999.9	1434.9	508.5	82.0	0.918	0.969	0.997	0.057	0.969	-0.007	0.016	0.95	-0.44
27	19.158	3.500	-2.730	0.950	997.2	1435.3	507.3	81.6	0.921	0.974	0.997	0.048	0.973	-0.008	0.013	0.79	-0.44
28	19.491	3.500	-2.730	0.953	999.6	1436.5	509.0	81.7	0.925	0.975	0.996	0.044	0.975	-0.007	0.011	0.65	-0.42

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	311	2.993	0.00	22	405	0.02	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.980	0.947	994.6	1434.1	505.4	81.7	0.938	0.992	1.000	0.016	0.992	0.005	-0.008	-0.47	0.29
2	10.833	3.500	-1.980	0.948	995.4	1435.1	506.3	81.6	0.934	0.988	0.999	0.023	0.988	0.006	-0.010	-0.59	0.35
3	11.166	3.500	-1.980	0.949	996.1	1435.3	506.7	81.6	0.932	0.985	0.999	0.028	0.985	0.007	-0.013	-0.73	0.40
4	11.499	3.500	-1.980	0.949	996.4	1434.9	506.7	81.7	0.931	0.984	0.999	0.030	0.984	0.007	-0.015	-0.85	0.43
5	11.832	3.500	-1.980	0.951	997.9	1436.7	508.0	81.9	0.932	0.983	0.998	0.030	0.983	0.008	-0.018	-1.03	0.48
6	12.165	3.500	-1.980	0.950	996.9	1434.9	507.0	81.7	0.933	0.985	0.999	0.029	0.985	0.007	-0.020	-1.14	0.43
7	12.498	3.500	-1.980	0.951	997.8	1434.4	507.3	81.7	0.935	0.986	0.999	0.027	0.986	0.006	-0.022	-1.26	0.37
8	12.831	3.500	-1.980	0.952	998.7	1435.5	508.3	81.4	0.938	0.987	0.999	0.023	0.987	0.005	-0.023	-1.35	0.30
9	13.164	3.500	-1.980	0.951	997.9	1434.2	507.4	81.5	0.936	0.987	0.999	0.025	0.986	0.004	-0.026	-1.53	0.23
10	13.497	3.500	-1.980	0.950	997.1	1436.0	507.5	81.7	0.930	0.982	0.998	0.033	0.982	0.002	-0.033	-1.91	0.10
11	13.830	3.500	-1.980	0.950	997.0	1435.0	507.0	81.8	0.933	0.985	0.999	0.029	0.984	0.001	-0.038	-2.23	0.06
12	14.163	3.500	-1.980	0.950	997.6	1434.4	507.2	81.7	0.949	0.999	0.999	0.001	0.998	-0.001	-0.038	-2.20	-0.06
13	14.496	3.500	-1.980	0.950	996.9	1437.0	507.7	81.7	0.995	1.040	0.999	-0.083	1.040	-0.003	-0.033	-1.79	-0.16
14	14.829	3.500	-1.980	0.949	996.8	1436.4	507.3	82.0	1.046	1.084	0.998	-0.171	1.084	-0.005	-0.021	-1.08	-0.28
15	15.162	3.500	-1.980	0.949	996.4	1435.2	506.7	81.9	1.070	1.105	0.999	-0.211	1.105	-0.008	-0.006	-0.31	-0.39
16	15.495	3.500	-1.980	0.952	998.7	1437.6	508.9	81.8	1.079	1.110	0.998	-0.222	1.110	-0.011	0.005	0.26	-0.57
17	15.828	3.500	-1.980	0.951	998.3	1438.3	508.8	82.0	1.079	1.111	0.998	-0.225	1.111	-0.012	0.010	0.54	-0.64
18	16.161	3.500	-1.980	0.949	996.9	1435.8	507.2	81.9	1.069	1.104	0.997	-0.211	1.104	-0.014	0.011	0.57	-0.71
19	16.494	3.500	-1.980	0.951	997.8	1437.2	508.3	81.7	1.099	1.128	0.998	-0.258	1.127	-0.016	0.023	1.17	-0.79
20	16.827	3.500	-1.980	0.952	999.3	1437.7	509.1	82.0	1.139	1.158	0.998	-0.318	1.157	-0.018	0.047	2.30	-0.88
21	17.160	3.500	-1.980	0.949	997.0	1435.4	507.0	82.0	1.151	1.171	0.997	-0.345	1.169	-0.018	0.060	2.95	-0.86
22	17.493	3.500	-1.980	0.951	998.0	1436.2	507.9	82.0	0.980	1.026	0.994	-0.060	1.025	-0.009	0.033	1.85	-0.48
23	17.826	3.500	-1.980	0.952	999.2	1436.1	508.6	81.9	0.910	0.963	0.994	0.065	0.962	-0.007	0.027	1.59	-0.42
24	18.159	3.500	-1.980	0.950	997.8	1437.2	508.0	82.2	0.906	0.960	0.994	0.069	0.960	-0.008	0.025	1.47	-0.46
25	18.492	3.500	-1.980	0.951	999.1	1436.9	508.6	82.3	0.906	0.959	0.994	0.073	0.959	-0.008	0.020	1.22	-0.49
26	18.825	3.500	-1.980	0.953	1000.0	1437.1	509.2	82.1	0.908	0.960	0.995	0.072	0.959	-0.008	0.017	0.99	-0.51
27	19.158	3.500	-1.980	0.951	998.2	1437.9	508.6	82.1	0.911	0.965	0.994	0.061	0.965	-0.008	0.014	0.84	-0.50
28	19.491	3.500	-1.980	0.951	998.0	1435.0	507.5	82.0	0.915	0.968	0.995	0.057	0.968	-0.009	0.012	0.71	-0.51

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	312	2.996	0.00	22	406	0.02	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.230	0.946	994.5	1436.8	506.1	82.1	0.933	0.988	0.999	0.022	0.988	0.006	-0.007	-0.43	0.38
2	10.833	3.500	-1.230	0.949	996.5	1438.3	507.8	82.0	0.928	0.981	0.998	0.034	0.981	0.009	-0.010	-0.58	0.51
3	11.166	3.500	-1.230	0.949	996.5	1436.2	506.9	82.3	0.924	0.978	0.999	0.043	0.978	0.011	-0.013	-0.74	0.65
4	11.499	3.500	-1.230	0.948	996.0	1435.4	506.5	82.0	0.922	0.976	1.000	0.047	0.976	0.013	-0.016	-0.95	0.74
5	11.832	3.500	-1.230	0.949	996.6	1435.6	506.9	82.0	0.922	0.975	0.999	0.048	0.975	0.014	-0.020	-1.16	0.80
6	12.165	3.500	-1.230	0.950	997.4	1435.9	507.5	81.9	0.923	0.976	0.999	0.047	0.976	0.013	-0.025	-1.49	0.75
7	12.498	3.500	-1.230	0.951	998.4	1436.0	508.1	81.9	0.927	0.978	0.999	0.041	0.978	0.010	-0.029	-1.72	0.61
8	12.831	3.500	-1.230	0.951	998.4	1436.3	508.2	82.0	0.929	0.980	0.999	0.038	0.980	0.007	-0.032	-1.85	0.40
9	13.164	3.500	-1.230	0.952	999.2	1436.3	508.7	81.7	0.930	0.981	0.999	0.037	0.980	0.003	-0.034	-2.01	0.20
10	13.497	3.500	-1.230	0.954	1000.9	1437.8	510.0	82.0	0.902	0.953	0.998	0.091	0.952	0.002	-0.056	-3.36	0.13
11	13.830	3.500	-1.230	0.953	1000.1	1436.4	509.2	81.9	0.906	0.958	0.999	0.083	0.955	0.001	-0.070	-4.20	0.06
12	14.163	3.500	-1.230	0.951	998.0	1436.8	508.1	82.0	0.947	0.997	0.999	0.004	0.995	-0.003	-0.064	-3.69	-0.15
13	14.496	3.500	-1.230	0.950	997.6	1436.7	507.8	82.0	1.039	1.078	0.999	-0.157	1.077	-0.009	-0.046	-2.47	-0.49
14	14.829	3.500	-1.230	0.951	998.5	1438.8	509.0	82.2	1.071	1.104	0.999	-0.209	1.103	-0.016	-0.024	-1.26	-0.83
15	15.162	3.500	-1.230	0.952	1000.0	1437.7	509.2	82.6	1.075	1.106	0.998	-0.216	1.106	-0.021	-0.007	-0.35	-1.07
16	15.495	3.500	-1.230	0.948	996.2	1436.7	506.9	82.2	1.058	1.095	0.998	-0.194	1.095	-0.023	-0.001	-0.05	-1.21
17	15.828	3.500	-1.230	0.950	998.1	1440.0	509.1	82.4	1.053	1.089	0.997	-0.183	1.089	-0.023	0.002	0.12	-1.22
18	16.161	3.500	-1.230	0.952	999.1	1438.5	509.2	82.2	1.113	1.138	0.998	-0.279	1.138	-0.024	0.024	1.18	-1.21
19	16.494	3.500	-1.230	0.950	998.2	1439.2	508.8	82.6	1.176	1.190	0.997	-0.382	1.187	-0.031	0.078	3.78	-1.48
20	16.827	3.500	-1.230	0.949	996.5	1437.0	507.2	82.3	1.190	1.203	0.993	-0.412	1.199	-0.032	0.091	4.32	-1.51
21	17.160	3.500	-1.230	0.950	997.5	1436.1	507.4	82.3	1.067	1.101	0.987	-0.221	1.100	-0.021	0.047	2.43	-1.09
22	17.493	3.500	-1.230	0.947	995.0	1438.1	506.8	82.2	0.948	1.001	0.997	-0.006	1.000	-0.012	0.038	2.17	-0.68
23	17.826	3.500	-1.230	0.948	995.5	1436.3	506.5	82.0	0.919	0.974	0.998	0.049	0.973	-0.012	0.036	2.12	-0.69
24	18.159	3.500	-1.230	0.949	996.7	1435.4	506.9	81.9	0.908	0.963	0.999	0.073	0.962	-0.012	0.031	1.82	-0.71
25	18.492	3.500	-1.230	0.952	999.2	1437.1	508.7	82.2	0.905	0.958	0.998	0.081	0.958	-0.012	0.024	1.44	-0.75
26	18.825	3.500	-1.230	0.949	996.7	1436.6	507.4	81.7	0.906	0.961	0.998	0.074	0.961	-0.013	0.020	1.22	-0.75
27	19.158	3.500	-1.230	0.951	998.5	1436.6	508.4	81.9	0.913	0.965	0.998	0.066	0.965	-0.013	0.017	1.01	-0.75
28	19.491	3.500	-1.230	0.953	999.8	1437.1	509.2	81.9	0.919	0.970	0.998	0.057	0.970	-0.013	0.015	0.88	-0.75

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	313	3.003	0.00	22	407	0.02	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-2.730	0.949	997.0	1439.5	508.4	82.2	0.941	0.993	0.999	0.012	0.993	0.003	-0.009	-0.52	0.15
2	11.166	2.750	-2.730	0.952	999.0	1437.2	508.8	81.9	0.938	0.988	1.000	0.024	0.987	0.003	-0.013	-0.74	0.20
3	11.832	2.750	-2.730	0.952	999.6	1436.0	508.6	82.3	0.939	0.988	0.999	0.022	0.988	0.003	-0.016	-0.92	0.19
4	12.498	2.750	-2.730	0.953	1000.8	1438.5	510.0	82.5	0.943	0.991	0.999	0.016	0.991	0.002	-0.018	-1.06	0.13
5	13.164	2.750	-2.730	0.951	998.6	1437.6	508.6	82.1	0.945	0.995	0.999	0.009	0.994	-0.000	-0.021	-1.21	-0.03
6	13.830	2.750	-2.730	0.953	999.9	1436.9	509.1	82.1	0.948	0.996	0.999	0.006	0.996	-0.003	-0.025	-1.45	-0.17
7	14.496	2.750	-2.730	0.950	997.9	1437.2	507.9	82.5	0.980	1.027	0.999	-0.055	1.027	-0.004	-0.023	-1.28	-0.22
8	15.162	2.750	-2.730	0.952	1000.1	1438.0	509.4	82.5	1.047	1.082	0.999	-0.166	1.082	-0.003	-0.008	-0.42	-0.16
9	15.828	2.750	-2.730	0.951	998.7	1438.9	508.8	82.7	1.079	1.111	0.998	-0.224	1.111	-0.005	0.010	0.49	-0.25
10	16.494	2.750	-2.730	0.953	1000.2	1437.4	509.3	82.4	1.072	1.103	0.998	-0.209	1.103	-0.008	0.014	0.75	-0.43
11	17.160	2.750	-2.730	0.950	997.7	1437.4	507.9	82.5	1.115	1.141	0.999	-0.283	1.141	-0.007	0.035	1.74	-0.37
12	17.826	2.750	-2.730	0.949	996.8	1437.3	507.3	82.5	0.926	0.980	0.997	0.036	0.980	-0.003	0.026	1.55	-0.17
13	18.492	2.750	-2.730	0.952	999.8	1437.6	509.0	82.8	0.918	0.969	0.997	0.056	0.969	-0.005	0.019	1.11	-0.27
14	19.158	2.750	-2.730	0.951	999.0	1441.1	509.6	83.0	0.922	0.974	0.997	0.046	0.974	-0.005	0.014	0.84	-0.29
15	19.824	2.750	-2.730	0.952	999.8	1441.2	510.2	82.9	0.928	0.979	0.996	0.035	0.979	-0.005	0.010	0.57	-0.29

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	314	3.006	0.00	22	408	0.02	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-1.980	0.954	1002.1	1440.8	511.3	82.9	0.939	0.986	0.998	0.024	0.986	0.004	-0.010	-0.55	0.22
2	11.166	2.750	-1.980	0.950	998.0	1438.1	508.2	82.7	0.930	0.982	1.000	0.035	0.982	0.005	-0.015	-0.88	0.31
3	11.832	2.750	-1.980	0.951	999.6	1439.1	509.4	82.8	0.933	0.983	0.999	0.033	0.983	0.005	-0.020	-1.18	0.27
4	12.498	2.750	-1.980	0.952	999.7	1436.9	508.7	82.7	0.939	0.989	0.999	0.022	0.988	0.002	-0.023	-1.33	0.10
5	13.164	2.750	-1.980	0.950	998.3	1440.5	509.1	82.8	0.941	0.992	0.999	0.015	0.992	-0.003	-0.026	-1.48	-0.15
6	13.830	2.750	-1.980	0.951	999.5	1438.3	508.9	83.0	0.937	0.987	0.999	0.024	0.987	-0.008	-0.033	-1.93	-0.46
7	14.496	2.750	-1.980	0.949	997.1	1437.8	507.7	82.5	0.991	1.037	0.999	-0.075	1.037	-0.008	-0.028	-1.54	-0.45
8	15.162	2.750	-1.980	0.950	997.9	1439.7	508.7	82.8	1.068	1.103	0.999	-0.207	1.103	-0.004	-0.003	-0.14	-0.22
9	15.828	2.750	-1.980	0.951	999.5	1439.6	509.5	82.8	1.078	1.109	0.998	-0.221	1.109	-0.006	0.010	0.53	-0.33
10	16.494	2.750	-1.980	0.950	998.6	1440.5	509.2	83.0	1.098	1.127	0.999	-0.256	1.127	-0.009	0.024	1.22	-0.44
11	17.160	2.750	-1.980	0.952	1000.2	1439.0	509.7	82.7	1.163	1.178	0.997	-0.358	1.176	0.001	0.065	3.18	0.06
12	17.826	2.750	-1.980	0.951	998.9	1438.0	508.6	82.7	0.908	0.961	0.994	0.067	0.961	-0.001	0.028	1.65	-0.05
13	18.492	2.750	-1.980	0.953	1000.9	1438.4	509.9	82.7	0.907	0.958	0.994	0.074	0.958	-0.004	0.021	1.27	-0.22
14	19.158	2.750	-1.980	0.952	999.9	1438.5	509.5	82.6	0.912	0.964	0.994	0.062	0.964	-0.005	0.015	0.92	-0.29
15	19.824	2.750	-1.980	0.952	999.8	1439.7	509.7	82.8	0.921	0.973	0.994	0.045	0.973	-0.005	0.012	0.70	-0.31

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	315	2.997	0.00	22	409	0.02	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-1.230	0.950	997.9	1438.2	508.1	82.8	0.931	0.983	0.999	0.033	0.983	0.006	-0.010	-0.59	0.38
2	11.166	2.750	-1.230	0.951	998.6	1437.4	508.3	82.7	0.919	0.972	1.000	0.055	0.972	0.010	-0.019	-1.11	0.60
3	11.832	2.750	-1.230	0.951	998.6	1439.2	509.0	82.6	0.923	0.975	0.999	0.048	0.975	0.008	-0.029	-1.69	0.48
4	12.498	2.750	-1.230	0.951	998.6	1437.9	508.5	82.6	0.934	0.985	0.999	0.029	0.984	0.002	-0.033	-1.90	0.10
5	13.164	2.750	-1.230	0.952	1000.2	1439.1	509.7	82.8	0.940	0.989	0.999	0.020	0.989	-0.006	-0.032	-1.83	-0.32
6	13.830	2.750	-1.230	0.951	999.3	1438.9	509.1	82.8	0.917	0.969	0.998	0.059	0.968	-0.023	-0.046	-2.72	-1.38
7	14.496	2.750	-1.230	0.950	997.7	1436.3	507.5	82.5	1.017	1.059	1.000	-0.118	1.058	-0.017	-0.038	-2.07	-0.92
8	15.162	2.750	-1.230	0.950	998.3	1434.9	507.2	82.8	1.059	1.095	0.998	-0.192	1.095	-0.003	-0.007	-0.37	-0.15
9	15.828	2.750	-1.230	0.949	997.2	1434.7	506.7	82.4	1.028	1.069	0.996	-0.144	1.069	-0.006	0.005	0.25	-0.31
10	16.494	2.750	-1.230	0.952	999.3	1435.1	508.1	82.3	1.154	1.171	0.998	-0.343	1.170	0.009	0.054	2.66	0.42
11	17.160	2.750	-1.230	0.950	998.0	1436.3	507.7	82.5	1.090	1.120	0.991	-0.252	1.120	-0.005	0.040	2.07	-0.27
12	17.826	2.750	-1.230	0.953	1000.4	1437.1	509.2	82.6	0.905	0.958	0.991	0.069	0.957	-0.001	0.035	2.07	-0.04
13	18.492	2.750	-1.230	0.950	997.9	1437.3	507.8	82.7	0.896	0.952	0.992	0.084	0.951	-0.004	0.027	1.64	-0.23
14	19.158	2.750	-1.230	0.953	1001.2	1439.9	510.4	83.0	0.907	0.959	0.995	0.074	0.958	-0.007	0.018	1.06	-0.43
15	19.824	2.750	-1.230	0.951	998.9	1438.3	508.7	82.8	0.913	0.966	0.993	0.057	0.966	-0.007	0.015	0.86	-0.43

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	316	2.996	0.00	22	410	0.02	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	-2.750	-2.730	0.946	994.8	1439.8	507.0	82.8	0.939	0.994	0.999	0.011	0.994	-0.004	-0.009	-0.52	-0.21
2	11.833	-2.750	-2.730	0.949	997.0	1439.3	508.0	82.8	0.935	0.988	0.999	0.022	0.988	-0.004	-0.015	-0.89	-0.24
3	13.166	-2.750	-2.730	0.951	999.7	1440.5	509.9	83.0	0.946	0.995	0.999	0.009	0.995	-0.002	-0.021	-1.20	-0.10
6	14.499	-2.750	-2.730	0.947	995.7	1438.1	506.7	83.1	0.976	1.026	1.000	-0.052	1.026	0.002	-0.023	-1.27	0.14
7	15.832	-2.750	-2.730	0.954	1002.2	1435.9	509.5	83.1	1.080	1.108	0.998	-0.219	1.108	0.002	0.008	0.42	0.12
8	17.165	-2.750	-2.730	0.952	1000.3	1436.5	508.9	82.7	1.120	1.143	0.998	-0.287	1.142	0.004	0.035	1.76	0.19
9	18.498	-2.750	-2.730	0.951	999.5	1436.7	508.3	83.2	0.920	0.972	0.997	0.050	0.972	0.002	0.017	1.01	0.12
10	19.831	-2.750	-2.730	0.951	999.0	1440.1	509.3	83.0	0.929	0.981	0.997	0.032	0.981	0.003	0.009	0.54	0.20

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	317	2.993	0.00	22	411	0.02	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	-2.750	-1.230	0.946	995.0	1438.6	506.5	83.0	0.926	0.982	0.999	0.034	0.982	-0.007	-0.010	-0.60	-0.41
2	11.833	-2.750	-1.230	0.948	997.0	1439.4	508.0	82.9	0.920	0.974	0.999	0.050	0.974	-0.010	-0.028	-1.65	-0.57
3	13.166	-2.750	-1.230	0.951	999.4	1440.3	509.7	82.9	0.938	0.988	0.999	0.021	0.988	0.004	-0.032	-1.84	0.20
4	14.499	-2.750	-1.230	0.952	999.7	1440.1	509.9	82.7	1.026	1.065	0.999	-0.131	1.064	0.017	-0.039	-2.09	0.89
7	15.832	-2.750	-1.230	0.949	996.9	1438.1	507.5	82.8	1.028	1.070	0.997	-0.144	1.070	0.005	0.004	0.24	0.26
8	17.165	-2.750	-1.230	0.951	999.5	1440.1	509.6	83.0	1.097	1.125	0.990	-0.263	1.124	0.005	0.040	2.03	0.23
9	18.498	-2.750	-1.230	0.953	1001.7	1436.0	509.2	83.2	0.897	0.949	0.989	0.083	0.949	0.004	0.024	1.45	0.25
10	19.831	-2.750	-1.230	0.955	1002.5	1436.9	510.1	83.0	0.915	0.964	0.990	0.055	0.964	0.007	0.013	0.80	0.43

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	336	3.004	2.00	22	401	2.02	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
7	10.500	4.250	-2.730	0.953	1002.7	1445.3	512.5	84.4	0.948	0.995	1.000	0.011	0.994	0.007	0.030	1.73	0.40
9	11.166	4.250	-2.730	0.954	1003.4	1446.0	513.0	84.7	0.938	0.986	1.000	0.028	0.985	0.010	0.027	1.57	0.57
12	11.832	4.250	-2.730	0.948	998.3	1443.8	509.5	84.4	0.929	0.982	1.001	0.036	0.982	0.013	0.023	1.34	0.75
13	12.498	4.250	-2.730	0.950	1000.4	1446.1	511.2	84.9	0.927	0.979	1.000	0.042	0.979	0.016	0.018	1.06	0.91
14	13.164	4.250	-2.730	0.951	1001.2	1445.2	511.5	84.7	0.927	0.978	1.000	0.043	0.978	0.017	0.011	0.65	1.02
15	13.830	4.250	-2.730	0.953	1002.3	1444.8	511.9	84.7	0.932	0.982	1.001	0.037	0.982	0.018	0.004	0.22	1.07
17	14.496	4.250	-2.730	0.952	1001.7	1444.9	511.8	84.5	0.957	1.004	0.999	-0.010	1.004	0.017	0.001	0.07	0.96
18	15.162	4.250	-2.730	0.954	1003.6	1445.8	513.1	84.6	1.001	1.041	1.000	-0.083	1.041	0.011	0.009	0.50	0.63
19	15.828	4.250	-2.730	0.951	1002.2	1450.0	513.2	85.7	1.008	1.050	1.000	-0.100	1.050	0.007	0.015	0.83	0.37
21	16.494	4.250	-2.730	0.948	998.1	1443.9	509.5	84.3	1.038	1.078	1.001	-0.155	1.078	0.002	0.026	1.37	0.11
22	17.160	4.250	-2.730	0.952	1001.3	1443.0	510.8	84.6	1.089	1.119	1.000	-0.236	1.117	-0.004	0.048	2.46	-0.23
23	17.826	4.250	-2.730	0.951	1001.4	1446.1	511.8	84.9	0.963	1.010	0.999	-0.022	1.009	0.005	0.046	2.60	0.29
24	18.492	4.250	-2.730	0.955	1004.0	1446.6	513.5	84.7	0.934	0.981	0.998	0.035	0.981	0.006	0.037	2.16	0.36
25	19.158	4.250	-2.730	0.953	1002.9	1444.3	512.1	84.7	0.933	0.982	0.999	0.036	0.981	0.006	0.031	1.81	0.35
26	19.824	4.250	-2.730	0.954	1003.3	1445.4	513.0	84.2	0.938	0.986	0.999	0.027	0.985	0.007	0.028	1.63	0.38

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	337	2.998	2.00	22	402	2.01	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	4.250	-1.980	0.949	999.1	1445.4	510.4	84.6	0.941	0.993	1.000	0.014	0.993	0.008	0.031	1.81	0.48
2	11.166	4.250	-1.980	0.951	1000.6	1445.6	511.3	84.6	0.932	0.983	1.000	0.034	0.983	0.012	0.028	1.66	0.72
3	11.832	4.250	-1.980	0.952	1001.7	1443.9	511.5	84.3	0.924	0.975	1.000	0.050	0.974	0.017	0.024	1.41	1.01
4	12.498	4.250	-1.980	0.953	1002.3	1443.7	511.9	84.0	0.920	0.970	1.000	0.060	0.969	0.021	0.018	1.04	1.25
5	13.164	4.250	-1.980	0.955	1004.0	1445.5	513.3	84.4	0.917	0.967	0.999	0.065	0.966	0.024	0.007	0.41	1.41
6	13.830	4.250	-1.980	0.951	1000.6	1443.0	510.4	84.5	0.918	0.971	1.000	0.059	0.970	0.026	-0.006	-0.37	1.53
7	14.496	4.250	-1.980	0.950	999.9	1444.3	510.4	84.7	0.954	1.004	1.000	-0.008	1.004	0.022	-0.007	-0.39	1.27
8	15.162	4.250	-1.980	0.950	1000.2	1445.2	510.9	84.7	1.007	1.050	1.000	-0.100	1.050	0.012	0.004	0.22	0.67
9	15.828	4.250	-1.980	0.954	1003.2	1446.1	512.9	84.6	1.013	1.052	1.000	-0.105	1.052	0.006	0.011	0.61	0.33
10	16.494	4.250	-1.980	0.952	1001.5	1445.6	511.8	84.7	1.067	1.100	1.000	-0.200	1.100	-0.002	0.030	1.56	-0.13
11	17.160	4.250	-1.980	0.951	1000.3	1444.4	510.9	84.3	1.126	1.150	1.000	-0.299	1.148	-0.014	0.064	3.22	-0.69
12	17.826	4.250	-1.980	0.953	1002.0	1446.3	512.6	84.1	0.942	0.991	0.997	0.015	0.990	0.007	0.045	2.62	0.39
13	18.492	4.250	-1.980	0.951	1000.2	1444.8	511.1	84.0	0.921	0.973	0.997	0.049	0.972	0.007	0.036	2.12	0.41
14	19.158	4.250	-1.980	0.951	1000.7	1444.2	511.2	84.0	0.923	0.974	0.997	0.047	0.974	0.007	0.029	1.71	0.42
15	19.824	4.250	-1.980	0.954	1002.9	1444.3	512.2	84.4	0.933	0.981	0.998	0.034	0.981	0.008	0.025	1.47	0.44

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	338	3.000	2.00	22	403	2.01	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	4.250	-1.230	0.949	999.0	1445.7	510.6	84.4	0.939	0.991	1.000	0.018	0.990	0.009	0.034	1.96	0.50
2	11.166	4.250	-1.230	0.950	999.7	1443.8	510.4	84.2	0.928	0.980	1.000	0.040	0.979	0.014	0.032	1.85	0.81
3	11.832	4.250	-1.230	0.952	1001.3	1444.4	511.4	84.3	0.919	0.970	1.000	0.059	0.970	0.022	0.027	1.62	1.31
4	12.498	4.250	-1.230	0.954	1002.9	1444.8	512.4	84.4	0.910	0.961	1.000	0.078	0.960	0.030	0.019	1.12	1.82
5	13.164	4.250	-1.230	0.953	1002.1	1442.6	511.2	84.5	0.898	0.951	1.001	0.100	0.950	0.035	0.002	0.12	2.12
6	13.830	4.250	-1.230	0.949	998.7	1442.7	509.5	84.0	0.897	0.953	1.000	0.094	0.952	0.044	-0.021	-1.28	2.63
7	14.496	4.250	-1.230	0.950	999.3	1443.2	510.1	84.0	0.959	1.008	1.001	-0.015	1.007	0.030	-0.022	-1.24	1.72
8	15.162	4.250	-1.230	0.949	998.8	1444.7	510.3	84.0	1.021	1.063	1.000	-0.126	1.063	0.011	-0.006	-0.30	0.62
9	15.828	4.250	-1.230	0.952	1001.8	1443.4	511.4	84.3	1.014	1.054	1.000	-0.109	1.054	0.004	0.005	0.26	0.23
10	16.494	4.250	-1.230	0.951	1000.0	1443.4	510.4	84.2	1.115	1.141	1.000	-0.282	1.140	-0.022	0.046	2.31	-1.11
11	17.160	4.250	-1.230	0.948	997.6	1444.4	509.5	84.1	1.077	1.112	0.996	-0.229	1.111	-0.009	0.055	2.86	-0.47
12	17.826	4.250	-1.230	0.951	999.9	1441.8	509.9	84.0	0.929	0.981	0.997	0.033	0.980	0.007	0.045	2.65	0.42
13	18.492	4.250	-1.230	0.949	998.8	1443.8	509.8	84.3	0.907	0.962	0.998	0.072	0.961	0.007	0.036	2.13	0.44
14	19.158	4.250	-1.230	0.950	999.6	1444.9	510.8	84.1	0.913	0.967	0.998	0.063	0.966	0.008	0.027	1.58	0.46
15	19.824	4.250	-1.230	0.947	997.5	1443.7	509.0	84.5	0.924	0.979	0.997	0.038	0.979	0.009	0.023	1.32	0.50

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	339	2.997	2.00	22	404	2.01	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-2.730	0.948	997.6	1443.4	509.2	84.0	0.939	0.992	1.000	0.016	0.992	0.007	0.028	1.62	0.42
2	10.833	3.500	-2.730	0.949	998.8	1444.7	510.1	84.3	0.934	0.987	1.000	0.026	0.987	0.009	0.026	1.50	0.50
3	11.166	3.500	-2.730	0.949	998.3	1442.6	509.3	84.0	0.930	0.983	1.000	0.034	0.983	0.010	0.024	1.41	0.58
4	11.499	3.500	-2.730	0.950	999.4	1444.0	510.4	83.9	0.927	0.979	1.000	0.041	0.979	0.012	0.021	1.26	0.68
5	11.832	3.500	-2.730	0.951	1000.4	1445.0	511.3	84.0	0.927	0.978	0.999	0.043	0.978	0.013	0.019	1.11	0.73
6	12.165	3.500	-2.730	0.951	1000.7	1443.9	510.8	84.6	0.925	0.977	1.000	0.047	0.977	0.013	0.016	0.93	0.79
7	12.498	3.500	-2.730	0.950	999.9	1444.7	510.9	84.1	0.923	0.975	1.000	0.049	0.975	0.014	0.013	0.76	0.81
8	12.831	3.500	-2.730	0.952	1001.3	1446.6	512.1	84.5	0.925	0.976	0.999	0.046	0.976	0.014	0.009	0.51	0.85
9	13.164	3.500	-2.730	0.946	995.2	1441.7	507.5	83.4	0.921	0.978	1.001	0.046	0.978	0.014	0.006	0.35	0.82
10	13.497	3.500	-2.730	0.948	998.1	1443.2	509.2	84.4	0.925	0.979	0.999	0.040	0.979	0.014	0.002	0.14	0.80
11	13.830	3.500	-2.730	0.949	998.1	1443.7	509.6	84.0	0.930	0.983	1.000	0.034	0.983	0.013	-0.001	-0.09	0.76
12	14.163	3.500	-2.730	0.950	999.7	1443.4	510.3	84.0	0.940	0.991	1.000	0.017	0.991	0.013	-0.003	-0.20	0.73
13	14.496	3.500	-2.730	0.950	999.0	1444.7	510.6	83.7	0.957	1.007	1.000	-0.014	1.007	0.012	-0.002	-0.13	0.68
14	14.829	3.500	-2.730	0.948	997.3	1442.8	508.8	84.1	0.978	1.027	0.999	-0.055	1.027	0.010	0.002	0.11	0.59
15	15.162	3.500	-2.730	0.948	997.6	1442.0	508.7	84.0	0.998	1.044	1.000	-0.088	1.044	0.009	0.008	0.42	0.47
16	15.495	3.500	-2.730	0.950	999.6	1445.0	510.7	84.4	1.006	1.050	1.000	-0.099	1.049	0.007	0.011	0.62	0.37
17	15.828	3.500	-2.730	0.952	1001.0	1444.0	511.2	84.2	1.010	1.051	1.000	-0.102	1.051	0.006	0.015	0.80	0.31
18	16.161	3.500	-2.730	0.947	996.9	1444.4	509.0	84.3	1.020	1.064	1.000	-0.128	1.064	0.003	0.018	0.98	0.18
19	16.494	3.500	-2.730	0.950	999.1	1444.9	510.5	84.1	1.043	1.081	0.999	-0.164	1.081	0.002	0.026	1.40	0.12
20	16.827	3.500	-2.730	0.951	999.8	1443.0	510.3	84.0	1.069	1.102	1.000	-0.205	1.102	0.001	0.038	1.96	0.05
21	17.160	3.500	-2.730	0.947	997.0	1444.2	509.1	84.0	1.094	1.126	1.000	-0.252	1.125	0.000	0.053	2.67	0.00
22	17.493	3.500	-2.730	0.948	998.0	1443.7	509.1	84.7	1.030	1.072	0.999	-0.145	1.071	0.006	0.051	2.75	0.31
23	17.826	3.500	-2.730	0.949	998.6	1445.5	510.4	84.1	0.953	1.004	0.999	-0.009	1.003	0.006	0.043	2.47	0.36
24	18.159	3.500	-2.730	0.951	1000.6	1445.0	511.4	84.1	0.938	0.988	0.999	0.021	0.988	0.006	0.039	2.25	0.37
25	18.492	3.500	-2.730	0.949	998.7	1444.5	510.2	84.0	0.933	0.985	0.998	0.027	0.985	0.006	0.035	2.03	0.36
26	18.825	3.500	-2.730	0.951	1000.1	1444.3	510.9	84.0	0.931	0.983	0.998	0.032	0.982	0.006	0.031	1.84	0.36
27	19.158	3.500	-2.730	0.951	1000.7	1442.2	510.4	84.2	0.931	0.982	0.999	0.035	0.981	0.006	0.030	1.74	0.35
28	19.491	3.500	-2.730	0.949	998.4	1443.2	509.6	84.0	0.932	0.985	0.999	0.028	0.984	0.006	0.027	1.57	0.36

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	340	2.995	2.00	22	405	2.01	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.980	0.946	996.0	1442.6	508.1	83.8	0.931	0.986	1.000	0.029	0.985	0.009	0.030	1.73	0.51
2	10.833	3.500	-1.980	0.949	998.6	1443.8	509.9	84.0	0.929	0.982	1.000	0.035	0.982	0.011	0.028	1.62	0.65
3	11.166	3.500	-1.980	0.950	999.3	1443.1	509.9	84.2	0.925	0.978	1.000	0.045	0.978	0.013	0.025	1.46	0.78
4	11.499	3.500	-1.980	0.951	1000.0	1444.2	510.8	84.0	0.920	0.973	0.999	0.054	0.972	0.016	0.022	1.29	0.92
5	11.832	3.500	-1.980	0.951	1001.0	1444.8	511.4	84.4	0.918	0.970	0.999	0.058	0.970	0.018	0.018	1.06	1.05
6	12.165	3.500	-1.980	0.952	1001.3	1444.5	511.5	84.2	0.916	0.968	1.000	0.064	0.968	0.019	0.014	0.81	1.13
7	12.498	3.500	-1.980	0.951	999.9	1440.9	509.6	83.9	0.914	0.967	1.000	0.066	0.967	0.019	0.009	0.54	1.15
8	12.831	3.500	-1.980	0.951	1000.3	1441.7	510.3	83.6	0.914	0.966	1.000	0.068	0.966	0.019	0.005	0.30	1.13
9	13.164	3.500	-1.980	0.953	1002.0	1443.8	511.7	84.1	0.914	0.965	1.000	0.068	0.965	0.018	-0.001	-0.08	1.09
10	13.497	3.500	-1.980	0.953	1001.6	1443.0	511.3	84.0	0.913	0.964	1.001	0.072	0.964	0.017	-0.008	-0.49	1.02
11	13.830	3.500	-1.980	0.953	1001.9	1444.4	511.9	84.0	0.918	0.969	1.000	0.061	0.969	0.016	-0.015	-0.87	0.97
12	14.163	3.500	-1.980	0.952	1001.0	1442.5	510.8	84.0	0.932	0.982	1.000	0.035	0.982	0.015	-0.016	-0.95	0.90
13	14.496	3.500	-1.980	0.949	998.8	1443.9	510.0	84.0	0.963	1.012	1.000	-0.024	1.012	0.014	-0.011	-0.65	0.77
14	14.829	3.500	-1.980	0.950	999.5	1443.1	510.1	84.0	1.002	1.046	1.000	-0.092	1.046	0.012	-0.003	-0.17	0.63
15	15.162	3.500	-1.980	0.951	1000.3	1442.6	510.6	83.7	1.022	1.062	1.000	-0.123	1.062	0.009	0.004	0.21	0.49
16	15.495	3.500	-1.980	0.952	1000.6	1443.4	511.0	83.7	1.015	1.056	1.000	-0.112	1.056	0.006	0.008	0.43	0.35
17	15.828	3.500	-1.980	0.950	999.4	1441.7	509.6	83.9	1.014	1.056	0.999	-0.115	1.056	0.005	0.013	0.70	0.26
18	16.161	3.500	-1.980	0.951	1000.7	1444.2	511.0	84.3	1.037	1.075	1.000	-0.151	1.075	0.002	0.020	1.04	0.12
19	16.494	3.500	-1.980	0.953	1001.6	1443.8	511.6	83.8	1.075	1.105	1.000	-0.211	1.105	0.000	0.037	1.91	0.01
20	16.827	3.500	-1.980	0.950	998.9	1443.2	509.9	84.0	1.113	1.140	0.999	-0.280	1.138	-0.001	0.059	2.98	-0.06
21	17.160	3.500	-1.980	0.951	1000.5	1444.3	511.2	83.8	1.113	1.138	0.999	-0.278	1.136	-0.001	0.063	3.19	-0.06
22	17.493	3.500	-1.980	0.953	1002.2	1444.4	512.1	84.0	1.005	1.046	0.997	-0.095	1.045	0.006	0.048	2.65	0.32
23	17.826	3.500	-1.980	0.949	998.4	1443.3	509.8	83.6	0.931	0.983	0.997	0.028	0.982	0.008	0.044	2.55	0.48
24	18.159	3.500	-1.980	0.951	1000.3	1443.3	510.7	83.9	0.925	0.976	0.997	0.043	0.976	0.008	0.039	2.29	0.45
25	18.492	3.500	-1.980	0.953	1002.0	1442.8	511.4	84.0	0.920	0.971	0.997	0.054	0.970	0.007	0.035	2.04	0.43
26	18.825	3.500	-1.980	0.950	1000.0	1445.1	510.9	84.3	0.920	0.973	0.997	0.051	0.972	0.007	0.031	1.80	0.39
27	19.158	3.500	-1.980	0.952	1001.9	1444.4	511.7	84.3	0.922	0.973	0.997	0.050	0.972	0.007	0.028	1.63	0.40
28	19.491	3.500	-1.980	0.950	999.1	1444.2	510.2	84.1	0.925	0.978	0.998	0.040	0.977	0.007	0.025	1.47	0.41

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	341	3.000	2.00	22	406	2.01	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.230	0.950	999.4	1444.4	510.4	84.2	0.933	0.985	1.000	0.029	0.985	0.010	0.033	1.89	0.58
2	10.833	3.500	-1.230	0.951	1000.6	1444.9	511.3	84.2	0.924	0.976	0.999	0.046	0.975	0.013	0.031	1.80	0.79
3	11.166	3.500	-1.230	0.951	999.9	1443.4	510.4	84.1	0.918	0.971	1.000	0.058	0.970	0.017	0.028	1.66	1.02
4	11.499	3.500	-1.230	0.952	1001.4	1444.6	511.6	84.3	0.913	0.965	1.000	0.069	0.965	0.021	0.024	1.43	1.28
5	11.832	3.500	-1.230	0.951	1000.4	1443.7	510.9	83.9	0.907	0.960	0.999	0.078	0.960	0.025	0.019	1.15	1.51
6	12.165	3.500	-1.230	0.951	1000.5	1443.7	511.0	83.9	0.903	0.956	1.000	0.087	0.956	0.028	0.012	0.74	1.70
7	12.498	3.500	-1.230	0.948	997.9	1443.4	509.3	84.0	0.899	0.955	1.000	0.088	0.955	0.028	0.004	0.23	1.69
8	12.831	3.500	-1.230	0.950	999.0	1443.6	510.0	84.0	0.899	0.954	0.999	0.091	0.954	0.026	-0.005	-0.28	1.58
9	13.164	3.500	-1.230	0.950	999.0	1443.6	510.0	84.0	0.896	0.952	1.000	0.096	0.952	0.023	-0.012	-0.72	1.39
10	13.497	3.500	-1.230	0.951	1000.7	1445.1	511.4	84.1	0.882	0.938	0.999	0.123	0.937	0.022	-0.034	-2.06	1.33
11	13.830	3.500	-1.230	0.947	996.3	1443.3	508.4	84.0	0.890	0.948	0.999	0.102	0.947	0.021	-0.048	-2.90	1.26
12	14.163	3.500	-1.230	0.947	996.8	1442.7	508.5	83.9	0.923	0.978	1.000	0.044	0.977	0.020	-0.044	-2.59	1.15
13	14.496	3.500	-1.230	0.948	997.7	1442.8	509.0	84.1	0.990	1.037	1.000	-0.074	1.036	0.017	-0.028	-1.53	0.96
14	14.829	3.500	-1.230	0.950	1000.1	1444.1	510.5	84.6	1.034	1.073	0.999	-0.148	1.073	0.013	-0.011	-0.61	0.67
15	15.162	3.500	-1.230	0.951	1000.7	1446.4	511.8	84.3	1.030	1.069	1.000	-0.138	1.069	0.008	-0.002	-0.10	0.45
16	15.495	3.500	-1.230	0.949	998.5	1445.1	510.3	84.0	1.012	1.056	0.999	-0.112	1.056	0.005	0.003	0.14	0.29
17	15.828	3.500	-1.230	0.948	997.6	1443.5	509.3	83.9	1.015	1.059	0.999	-0.119	1.059	0.003	0.008	0.46	0.15
18	16.161	3.500	-1.230	0.950	999.1	1444.7	510.6	83.8	1.078	1.111	0.999	-0.223	1.111	-0.001	0.031	1.60	-0.05
19	16.494	3.500	-1.230	0.951	1000.5	1444.3	511.2	83.8	1.147	1.166	0.999	-0.332	1.163	-0.007	0.086	4.21	-0.36
20	16.827	3.500	-1.230	0.950	998.6	1442.1	509.6	83.4	1.153	1.173	0.997	-0.348	1.169	-0.008	0.094	4.60	-0.41
21	17.160	3.500	-1.230	0.950	999.6	1443.4	510.3	84.1	1.035	1.074	0.992	-0.159	1.072	-0.000	0.059	3.16	-0.01
22	17.493	3.500	-1.230	0.951	999.7	1442.5	510.2	83.7	0.964	1.012	0.998	-0.028	1.011	0.008	0.052	2.94	0.43
23	17.826	3.500	-1.230	0.953	1001.9	1444.3	512.1	83.7	0.940	0.988	0.999	0.022	0.987	0.009	0.047	2.70	0.49
24	18.159	3.500	-1.230	0.950	999.1	1442.2	509.8	83.6	0.918	0.971	0.999	0.056	0.971	0.008	0.041	2.40	0.50
25	18.492	3.500	-1.230	0.952	1001.1	1441.3	510.4	84.0	0.912	0.964	0.999	0.070	0.963	0.008	0.036	2.16	0.47
26	18.825	3.500	-1.230	0.950	999.0	1441.9	509.6	83.7	0.912	0.966	1.000	0.068	0.965	0.007	0.031	1.81	0.43
27	19.158	3.500	-1.230	0.951	999.8	1442.7	510.2	84.0	0.917	0.970	0.999	0.058	0.970	0.007	0.027	1.58	0.41
28	19.491	3.500	-1.230	0.952	1000.9	1442.7	510.8	84.0	0.923	0.974	0.999	0.051	0.974	0.007	0.025	1.48	0.39

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	342	2.999	2.00	22	407	2.01	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-2.730	0.950	999.0	1442.6	509.8	83.8	0.938	0.989	1.000	0.021	0.989	0.007	0.027	1.54	0.43
2	11.166	2.750	-2.730	0.951	1000.2	1441.9	510.2	83.8	0.928	0.979	1.000	0.041	0.979	0.009	0.021	1.21	0.55
3	11.832	2.750	-2.730	0.951	999.7	1441.4	509.9	83.5	0.922	0.974	1.001	0.053	0.974	0.011	0.015	0.87	0.63
4	12.498	2.750	-2.730	0.953	1001.9	1443.7	511.8	83.8	0.924	0.975	1.000	0.052	0.974	0.011	0.009	0.51	0.64
5	13.164	2.750	-2.730	0.953	1002.5	1444.2	512.2	84.1	0.927	0.976	0.999	0.047	0.976	0.009	0.003	0.18	0.55
6	13.830	2.750	-2.730	0.950	999.3	1441.2	509.3	84.0	0.931	0.983	1.001	0.036	0.983	0.007	-0.002	-0.11	0.43
7	14.496	2.750	-2.730	0.953	1001.6	1442.7	511.3	83.7	0.959	1.005	1.001	-0.010	1.005	0.007	-0.002	-0.13	0.37
8	15.162	2.750	-2.730	0.953	1001.6	1443.4	511.4	84.0	1.013	1.053	0.999	-0.106	1.053	0.007	0.008	0.42	0.36
9	15.828	2.750	-2.730	0.953	1001.6	1441.6	510.8	84.0	1.011	1.052	1.000	-0.103	1.051	0.004	0.015	0.84	0.24
10	16.494	2.750	-2.730	0.951	1000.1	1443.1	510.5	83.9	1.042	1.079	1.000	-0.158	1.079	0.003	0.026	1.40	0.17
11	17.160	2.750	-2.730	0.951	1000.5	1443.6	510.9	83.8	1.093	1.122	1.000	-0.243	1.120	0.006	0.051	2.59	0.32
12	17.826	2.750	-2.730	0.952	1001.4	1444.4	511.6	84.0	0.957	1.004	0.999	-0.010	1.004	0.008	0.041	2.36	0.47
13	18.492	2.750	-2.730	0.949	999.3	1443.9	510.0	84.5	0.934	0.987	0.999	0.025	0.986	0.006	0.033	1.94	0.37

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	343	2.996	2.00	22	407	2.02	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	18.492	2.750	-2.730	0.950	999.0	1442.0	509.4	84.0	0.934	0.986	0.999	0.026	0.985	0.006	0.034	1.97	0.38
2	19.158	2.750	-2.730	0.950	999.0	1442.5	509.7	83.9	0.933	0.985	0.999	0.027	0.985	0.006	0.029	1.68	0.33
3	19.824	2.750	-2.730	0.949	998.5	1442.2	509.5	83.6	0.934	0.986	1.000	0.027	0.986	0.006	0.025	1.48	0.33

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	344	3.000	2.00	22	408	2.02	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	2.750	-1.980	0.951	1000.4	1442.2	510.4	83.7	0.932	0.982	1.000	0.035	0.982	0.010	0.028	1.61	0.56
3	11.166	2.750	-1.980	0.951	1000.2	1442.2	510.2	83.9	0.920	0.972	1.000	0.055	0.972	0.014	0.020	1.20	0.80
4	11.832	2.750	-1.980	0.950	999.6	1443.8	510.3	84.2	0.912	0.966	1.000	0.068	0.966	0.015	0.012	0.69	0.92
5	12.498	2.750	-1.980	0.951	1000.1	1444.0	510.8	83.9	0.914	0.967	1.000	0.066	0.967	0.015	0.003	0.19	0.87
6	13.164	2.750	-1.980	0.951	1000.1	1443.4	510.5	84.1	0.917	0.970	1.000	0.060	0.970	0.011	-0.004	-0.23	0.64
7	13.830	2.750	-1.980	0.950	999.8	1443.5	510.4	84.0	0.921	0.973	1.000	0.053	0.973	0.006	-0.013	-0.77	0.33
8	14.496	2.750	-1.980	0.948	997.4	1440.4	508.2	83.6	0.960	1.010	1.000	-0.020	1.010	0.005	-0.011	-0.62	0.30
9	15.162	2.750	-1.980	0.952	1001.0	1444.2	511.3	84.1	1.026	1.065	1.000	-0.130	1.065	0.007	0.004	0.21	0.37
10	15.828	2.750	-1.980	0.948	997.0	1443.1	508.9	83.6	1.017	1.061	1.000	-0.123	1.061	0.004	0.014	0.74	0.24
11	16.494	2.750	-1.980	0.952	1000.5	1443.7	511.1	83.7	1.071	1.104	0.999	-0.208	1.103	0.005	0.034	1.79	0.28
12	17.160	2.750	-1.980	0.948	997.0	1441.2	508.3	83.5	1.102	1.133	1.000	-0.266	1.131	0.012	0.061	3.07	0.57
13	17.826	2.750	-1.980	0.949	997.5	1442.6	509.2	83.3	0.932	0.985	0.998	0.026	0.984	0.011	0.042	2.47	0.64
14	18.492	2.750	-1.980	0.952	1001.2	1444.8	511.6	84.2	0.923	0.974	0.997	0.046	0.974	0.009	0.034	1.97	0.50
15	19.158	2.750	-1.980	0.953	1001.4	1442.7	511.2	83.8	0.924	0.974	0.998	0.047	0.974	0.007	0.027	1.61	0.41
16	19.824	2.750	-1.980	0.953	1002.7	1442.3	511.4	84.5	0.931	0.980	0.998	0.036	0.980	0.006	0.024	1.37	0.37

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	345	2.998	2.00	22	409	2.02	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-1.230	0.948	997.2	1443.3	509.0	83.8	0.923	0.978	1.000	0.045	0.977	0.013	0.031	1.80	0.74
2	11.166	2.750	-1.230	0.950	998.9	1443.3	510.0	83.8	0.906	0.961	1.000	0.078	0.960	0.020	0.020	1.22	1.22
3	11.832	2.750	-1.230	0.951	999.9	1442.6	510.3	83.7	0.898	0.953	1.000	0.094	0.952	0.024	0.005	0.33	1.44
4	12.498	2.750	-1.230	0.951	1000.3	1439.9	509.6	83.7	0.903	0.956	1.000	0.088	0.956	0.020	-0.007	-0.44	1.17
5	13.164	2.750	-1.230	0.954	1002.3	1443.5	512.1	83.5	0.908	0.959	1.000	0.082	0.959	0.011	-0.014	-0.84	0.64
7	13.830	2.750	-1.230	0.950	999.5	1443.1	510.1	84.0	0.901	0.956	1.000	0.087	0.956	-0.007	-0.031	-1.84	-0.40
8	14.496	2.750	-1.230	0.952	1001.4	1441.9	510.7	84.0	0.976	1.021	1.000	-0.041	1.020	-0.002	-0.029	-1.60	-0.11
9	15.162	2.750	-1.230	0.949	998.2	1441.0	508.9	83.6	1.032	1.072	1.001	-0.143	1.072	0.005	-0.004	-0.21	0.27
10	15.828	2.750	-1.230	0.952	1001.0	1443.9	511.3	83.9	1.022	1.061	1.000	-0.122	1.061	0.003	0.009	0.46	0.16
11	16.494	2.750	-1.230	0.952	1001.3	1436.3	508.8	83.9	1.126	1.148	0.999	-0.297	1.146	0.022	0.059	2.93	1.08
12	17.160	2.750	-1.230	0.950	998.9	1438.9	508.5	83.7	1.034	1.074	0.995	-0.155	1.072	0.014	0.055	2.92	0.73
13	17.826	2.750	-1.230	0.952	1001.1	1436.8	509.0	83.7	0.923	0.974	0.995	0.044	0.973	0.012	0.045	2.67	0.73
14	18.492	2.750	-1.230	0.951	999.5	1438.9	508.9	83.5	0.909	0.963	0.997	0.069	0.962	0.010	0.036	2.15	0.57
15	19.158	2.750	-1.230	0.951	999.7	1439.8	509.3	83.6	0.913	0.966	0.997	0.062	0.966	0.007	0.026	1.54	0.40
16	19.824	2.750	-1.230	0.950	999.1	1438.5	508.7	83.3	0.924	0.976	0.997	0.043	0.976	0.006	0.023	1.33	0.36

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	346	2.994	2.00	22	410	2.02	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	-2.750	-2.730	0.946	996.1	1442.4	508.0	83.9	0.933	0.988	1.000	0.023	0.988	-0.011	0.026	1.53	-0.61
2	11.833	-2.750	-2.730	0.948	997.7	1442.6	509.1	83.8	0.919	0.973	0.999	0.052	0.973	-0.014	0.015	0.89	-0.80
3	13.166	-2.750	-2.730	0.951	1000.4	1443.0	510.4	84.4	0.923	0.975	1.000	0.050	0.975	-0.011	0.003	0.17	-0.67
4	14.499	-2.750	-2.730	0.955	1003.0	1442.2	512.0	83.5	0.958	1.003	1.000	-0.005	1.003	-0.008	-0.003	-0.18	-0.47
5	15.832	-2.750	-2.730	0.950	999.5	1445.6	510.8	84.3	1.011	1.054	1.000	-0.108	1.054	-0.006	0.014	0.76	-0.32
6	17.165	-2.750	-2.730	0.950	999.1	1443.5	510.1	83.9	1.091	1.121	1.000	-0.243	1.120	-0.011	0.052	2.64	-0.55
7	18.498	-2.750	-2.730	0.951	999.8	1440.9	509.6	83.7	0.932	0.984	0.999	0.031	0.983	-0.010	0.032	1.87	-0.57
9	19.831	-2.750	-2.730	0.952	1001.0	1442.5	510.9	83.7	0.938	0.987	0.999	0.024	0.987	-0.009	0.023	1.36	-0.49

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	347	2.997	2.00	22	411	2.02	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	-2.750	-1.230	0.949	998.0	1442.0	509.0	83.8	0.924	0.978	1.000	0.045	0.977	-0.016	0.031	1.84	-0.93
2	11.833	-2.750	-1.230	0.952	1000.6	1440.9	510.2	83.4	0.896	0.949	1.000	0.101	0.949	-0.026	0.005	0.29	-1.57
3	13.166	-2.750	-1.230	0.954	1003.0	1441.2	511.6	82.6	0.906	0.956	1.000	0.088	0.956	-0.013	-0.015	-0.89	-0.76
4	14.499	-2.750	-1.230	0.952	1000.7	1444.8	511.4	84.0	0.975	1.021	0.999	-0.042	1.020	0.000	-0.029	-1.61	0.01
5	15.832	-2.750	-1.230	0.950	998.5	1440.5	508.9	83.5	1.025	1.066	1.000	-0.132	1.066	-0.004	0.008	0.45	-0.20
6	17.165	-2.750	-1.230	0.951	999.7	1442.8	510.2	83.8	1.008	1.051	0.995	-0.109	1.049	-0.017	0.053	2.89	-0.92
7	18.498	-2.750	-1.230	0.953	1001.6	1443.3	511.4	83.9	0.907	0.959	0.994	0.072	0.958	-0.011	0.033	1.96	-0.65
8	19.831	-2.750	-1.230	0.953	1001.6	1439.2	510.3	83.3	0.922	0.972	0.996	0.048	0.972	-0.007	0.021	1.26	-0.44

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	353	3.001	5.00	22	401	5.00	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
9	10.500	4.250	-2.730	0.951	1000.2	1442.9	510.6	83.8	0.927	0.979	1.000	0.042	0.975	0.015	0.082	4.79	0.88
10	11.166	4.250	-2.730	0.952	1000.7	1440.6	510.1	83.7	0.916	0.968	1.000	0.064	0.964	0.020	0.079	4.69	1.17
11	11.832	4.250	-2.730	0.949	998.7	1444.3	510.2	83.8	0.905	0.960	1.000	0.080	0.956	0.026	0.073	4.37	1.55
12	12.498	4.250	-2.730	0.950	998.6	1441.1	509.3	83.3	0.899	0.954	1.000	0.092	0.951	0.031	0.065	3.90	1.85
13	13.164	4.250	-2.730	0.948	997.2	1441.7	508.4	83.9	0.895	0.953	1.000	0.094	0.950	0.035	0.054	3.27	2.10
14	13.830	4.250	-2.730	0.949	998.5	1444.1	510.0	83.9	0.902	0.957	1.000	0.085	0.955	0.037	0.045	2.69	2.19
15	14.496	4.250	-2.730	0.952	1000.8	1444.6	511.4	83.9	0.921	0.972	1.000	0.054	0.971	0.035	0.040	2.36	2.07
16	15.162	4.250	-2.730	0.952	1000.9	1440.9	510.4	83.4	0.941	0.990	1.000	0.021	0.989	0.031	0.039	2.26	1.81
17	15.828	4.250	-2.730	0.953	1001.7	1441.5	510.8	83.9	0.963	1.009	1.000	-0.019	1.008	0.028	0.041	2.31	1.59
18	16.494	4.250	-2.730	0.950	999.5	1444.3	510.7	83.9	1.009	1.051	1.000	-0.103	1.050	0.022	0.050	2.72	1.22
19	17.160	4.250	-2.730	0.949	998.2	1443.4	509.7	83.6	1.063	1.099	0.999	-0.198	1.096	0.018	0.070	3.66	0.92
20	17.826	4.250	-2.730	0.952	1000.6	1441.6	510.4	83.7	1.002	1.044	0.999	-0.089	1.041	0.027	0.072	3.98	1.48
21	18.492	4.250	-2.730	0.954	1003.0	1441.4	511.7	83.7	0.962	1.007	0.999	-0.015	1.004	0.031	0.069	3.93	1.76
22	19.158	4.250	-2.730	0.953	1001.8	1442.1	511.3	83.4	0.942	0.990	1.000	0.020	0.987	0.031	0.061	3.55	1.79
23	19.824	4.250	-2.730	0.953	1002.4	1443.2	511.7	84.1	0.939	0.988	0.999	0.023	0.985	0.030	0.057	3.30	1.77

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	354	3.001	5.00	22	402	5.00	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
1	10.500	4.250	-1.980	0.951	999.9	1443.7	510.6	83.9	0.925	0.977	1.000	0.046	0.973	0.016	0.086	5.05	0.97
2	11.166	4.250	-1.980	0.952	1000.9	1444.0	511.3	83.9	0.911	0.963	0.999	0.072	0.959	0.023	0.083	4.95	1.40
3	11.832	4.250	-1.980	0.952	1000.6	1443.3	510.9	83.9	0.899	0.952	0.999	0.094	0.949	0.032	0.077	4.65	1.95
4	12.498	4.250	-1.980	0.953	1001.8	1444.2	511.9	83.9	0.889	0.943	1.000	0.114	0.939	0.041	0.066	4.01	2.48
5	13.164	4.250	-1.980	0.950	998.8	1442.0	509.6	83.4	0.880	0.936	0.999	0.125	0.934	0.047	0.050	3.05	2.88
6	13.830	4.250	-1.980	0.951	1000.2	1441.5	510.2	83.5	0.889	0.944	1.000	0.112	0.942	0.050	0.033	2.00	3.04
7	14.496	4.250	-1.980	0.953	1001.9	1441.4	511.1	83.6	0.917	0.967	1.000	0.065	0.966	0.045	0.028	1.65	2.68
8	15.162	4.250	-1.980	0.951	1000.0	1441.3	510.1	83.4	0.944	0.994	1.000	0.012	0.993	0.037	0.030	1.76	2.13
9	15.828	4.250	-1.980	0.952	1000.7	1443.5	511.0	83.8	0.965	1.012	0.999	-0.025	1.011	0.031	0.034	1.94	1.73
10	16.494	4.250	-1.980	0.949	998.4	1441.2	509.1	83.5	1.048	1.086	1.000	-0.173	1.085	0.020	0.053	2.79	1.04
11	17.160	4.250	-1.980	0.951	1000.3	1443.2	510.7	83.8	1.068	1.101	0.999	-0.203	1.099	0.014	0.074	3.83	0.75
12	17.826	4.250	-1.980	0.951	1000.2	1440.5	509.8	83.5	0.991	1.035	0.999	-0.072	1.032	0.030	0.073	4.03	1.69
13	18.492	4.250	-1.980	0.951	999.2	1440.2	509.3	83.2	0.941	0.991	0.999	0.017	0.988	0.035	0.064	3.69	2.02
15	19.158	4.250	-1.980	0.950	998.6	1442.1	509.5	83.5	0.929	0.981	0.999	0.036	0.979	0.035	0.056	3.27	2.03
16	19.824	4.250	-1.980	0.952	1000.7	1440.3	510.0	83.5	0.932	0.982	0.999	0.035	0.980	0.035	0.051	2.99	2.02

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	355	3.000	5.00	22	403	5.00	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	4.250	-1.230	0.952	1001.4	1442.4	510.9	84.0	0.922	0.973	0.999	0.053	0.969	0.017	0.091	5.37	1.01
2	11.166	4.250	-1.230	0.951	1000.0	1440.4	509.8	83.4	0.909	0.962	1.001	0.078	0.957	0.026	0.087	5.20	1.53
3	11.832	4.250	-1.230	0.948	997.3	1442.5	509.0	83.3	0.889	0.946	0.999	0.106	0.942	0.039	0.081	4.90	2.39
4	12.498	4.250	-1.230	0.951	999.9	1443.0	510.3	84.0	0.869	0.926	0.999	0.145	0.922	0.058	0.070	4.33	3.63
5	13.164	4.250	-1.230	0.950	999.5	1442.1	509.9	83.7	0.853	0.911	1.000	0.177	0.908	0.070	0.041	2.61	4.40
6	13.830	4.250	-1.230	0.954	1002.2	1442.3	511.5	83.6	0.867	0.922	0.999	0.153	0.919	0.073	0.014	0.87	4.57
7	14.496	4.250	-1.230	0.950	998.5	1441.0	509.2	83.3	0.914	0.968	1.000	0.064	0.966	0.057	0.010	0.61	3.36
8	15.162	4.250	-1.230	0.952	1000.9	1442.0	510.8	83.4	0.948	0.997	1.000	0.007	0.996	0.040	0.017	1.00	2.28
9	15.828	4.250	-1.230	0.952	1000.5	1441.5	510.4	83.4	0.966	1.012	0.999	-0.026	1.011	0.030	0.024	1.37	1.71
10	16.494	4.250	-1.230	0.954	1003.3	1442.0	511.9	83.9	1.105	1.129	0.999	-0.259	1.127	-0.000	0.064	3.24	-0.02
11	17.160	4.250	-1.230	0.951	999.7	1443.0	510.5	83.4	1.026	1.065	0.997	-0.135	1.063	0.012	0.072	3.87	0.63
12	17.826	4.250	-1.230	0.954	1002.1	1441.1	511.3	83.2	0.991	1.033	0.998	-0.068	1.029	0.034	0.073	4.07	1.87
13	18.492	4.250	-1.230	0.952	1001.0	1440.5	510.2	83.7	0.930	0.980	0.999	0.038	0.977	0.038	0.061	3.60	2.23
14	19.158	4.250	-1.230	0.952	1001.0	1443.3	511.2	83.8	0.919	0.970	0.999	0.057	0.968	0.039	0.053	3.14	2.28
15	19.824	4.250	-1.230	0.953	1001.5	1441.6	511.0	83.4	0.927	0.977	1.000	0.046	0.975	0.038	0.047	2.78	2.23

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	356	2.998	5.00	22	404	5.01	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-2.730	0.948	997.3	1441.3	508.6	83.3	0.920	0.974	1.000	0.051	0.971	0.016	0.080	4.71	0.95
2	10.833	3.500	-2.730	0.948	997.3	1439.5	507.9	83.5	0.913	0.968	1.000	0.063	0.965	0.019	0.078	4.62	1.11
3	11.166	3.500	-2.730	0.950	998.9	1443.4	510.1	83.6	0.907	0.962	0.999	0.075	0.958	0.021	0.075	4.46	1.27
4	11.499	3.500	-2.730	0.951	999.7	1442.4	510.1	83.8	0.902	0.956	0.999	0.085	0.954	0.024	0.071	4.24	1.43
5	11.832	3.500	-2.730	0.950	998.7	1441.0	509.1	83.6	0.898	0.953	1.000	0.094	0.951	0.026	0.066	3.99	1.55
6	12.165	3.500	-2.730	0.951	999.8	1442.8	510.5	83.4	0.896	0.950	1.000	0.100	0.948	0.028	0.062	3.74	1.69
7	12.498	3.500	-2.730	0.952	1000.5	1441.6	510.4	83.6	0.894	0.948	1.000	0.103	0.946	0.029	0.056	3.39	1.78
8	12.831	3.500	-2.730	0.952	1000.2	1442.1	510.5	83.3	0.893	0.947	1.000	0.106	0.945	0.030	0.051	3.10	1.83
9	13.164	3.500	-2.730	0.949	998.4	1442.5	509.5	83.7	0.892	0.948	0.999	0.101	0.947	0.031	0.045	2.74	1.87
10	13.497	3.500	-2.730	0.949	997.6	1439.9	508.2	83.5	0.895	0.951	1.001	0.099	0.950	0.031	0.040	2.40	1.86
11	13.830	3.500	-2.730	0.950	999.1	1441.7	509.6	83.6	0.901	0.956	1.000	0.088	0.955	0.031	0.035	2.11	1.84
12	14.163	3.500	-2.730	0.951	1000.2	1441.9	510.3	83.5	0.910	0.963	0.999	0.073	0.962	0.030	0.033	1.94	1.80
13	14.496	3.500	-2.730	0.948	997.3	1441.8	508.7	83.4	0.920	0.975	1.000	0.050	0.974	0.029	0.031	1.80	1.68
14	14.829	3.500	-2.730	0.949	998.4	1442.5	509.5	83.6	0.934	0.986	0.999	0.027	0.985	0.028	0.032	1.65	1.61
15	15.162	3.500	-2.730	0.950	999.5	1443.1	510.2	83.8	0.947	0.997	1.000	0.005	0.996	0.027	0.034	1.94	1.53
16	15.495	3.500	-2.730	0.951	1000.0	1441.5	510.0	83.7	0.955	1.003	1.000	-0.007	1.002	0.025	0.035	2.00	1.43
17	15.828	3.500	-2.730	0.953	1001.5	1441.9	511.0	83.6	0.965	1.011	1.000	-0.021	1.010	0.023	0.037	2.09	1.31
18	16.161	3.500	-2.730	0.950	999.1	1441.9	509.6	83.8	0.982	1.029	1.000	-0.057	1.028	0.021	0.041	2.26	1.19
19	16.494	3.500	-2.730	0.952	1000.9	1442.9	510.8	84.0	1.021	1.061	0.999	-0.123	1.059	0.020	0.048	2.58	1.07
20	16.827	3.500	-2.730	0.948	997.0	1441.6	508.3	83.8	1.052	1.091	1.000	-0.183	1.089	0.018	0.061	3.22	0.95
21	17.160	3.500	-2.730	0.949	998.6	1443.0	509.7	83.7	1.063	1.099	1.000	-0.198	1.096	0.018	0.070	3.67	0.96
22	17.493	3.500	-2.730	0.952	1001.1	1443.3	511.1	84.0	1.033	1.070	0.999	-0.142	1.068	0.021	0.070	3.76	1.10
23	17.826	3.500	-2.730	0.948	997.5	1440.6	508.4	83.5	0.973	1.022	1.000	-0.045	1.020	0.025	0.066	3.73	1.40
24	18.159	3.500	-2.730	0.951	1000.2	1444.0	511.0	83.7	0.964	1.011	0.999	-0.023	1.009	0.026	0.066	3.72	1.50
25	18.492	3.500	-2.730	0.953	1001.6	1441.7	511.0	83.6	0.952	0.999	0.999	0.000	0.997	0.027	0.062	3.57	1.54
26	18.825	3.500	-2.730	0.948	997.8	1440.8	508.3	84.0	0.938	0.991	1.000	0.018	0.989	0.027	0.058	3.34	1.54
27	19.158	3.500	-2.730	0.950	999.1	1442.5	510.0	83.5	0.937	0.988	1.000	0.024	0.987	0.027	0.056	3.23	1.56
28	19.491	3.500	-2.730	0.952	999.9	1440.2	509.8	83.1	0.936	0.986	0.999	0.026	0.985	0.026	0.054	3.12	1.53

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	357	2,998	5.00	22	405	5.00	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.980	0.950	998.8	1440.7	509.2	83.4	0.914	0.968	0.999	0.061	0.964	0.019	0.084	5.01	1.12
2	10.833	3.500	-1.980	0.951	1000.1	1442.9	510.5	83.9	0.908	0.961	0.999	0.076	0.957	0.022	0.082	4.91	1.33
3	11.166	3.500	-1.980	0.950	999.0	1442.8	509.8	83.9	0.899	0.954	1.000	0.092	0.951	0.027	0.078	4.72	1.63
4	11.499	3.500	-1.980	0.951	999.8	1444.3	510.8	83.9	0.893	0.948	0.999	0.102	0.945	0.031	0.073	4.44	1.87
5	11.832	3.500	-1.980	0.949	998.4	1441.5	509.1	83.6	0.886	0.942	1.000	0.115	0.939	0.035	0.067	4.10	2.11
6	12.165	3.500	-1.980	0.952	1000.7	1443.8	511.1	83.9	0.882	0.937	0.999	0.123	0.935	0.038	0.060	3.65	2.32
7	12.498	3.500	-1.980	0.951	999.6	1441.1	509.7	83.6	0.877	0.933	1.000	0.134	0.931	0.040	0.052	3.22	2.46
9	12.831	3.500	-1.980	0.948	997.1	1440.7	508.2	83.5	0.875	0.933	1.000	0.133	0.931	0.041	0.043	2.65	2.50
10	13.164	3.500	-1.980	0.949	998.1	1442.4	509.4	83.5	0.875	0.933	1.000	0.134	0.931	0.040	0.035	2.14	2.49
11	13.497	3.500	-1.980	0.950	999.5	1443.0	510.2	83.7	0.879	0.935	0.999	0.128	0.934	0.039	0.025	1.56	2.41
12	13.830	3.500	-1.980	0.950	999.6	1442.6	510.1	83.8	0.887	0.942	1.000	0.115	0.941	0.038	0.018	1.11	2.32
13	14.163	3.500	-1.980	0.950	999.3	1441.9	509.8	83.5	0.901	0.956	1.000	0.089	0.955	0.037	0.015	0.91	2.24
14	14.496	3.500	-1.980	0.948	997.0	1441.8	508.5	83.5	0.919	0.974	1.000	0.051	0.974	0.034	0.016	0.96	2.01
15	14.829	3.500	-1.980	0.949	998.5	1441.3	509.1	83.6	0.939	0.991	1.000	0.018	0.990	0.033	0.021	1.20	1.88
16	15.162	3.500	-1.980	0.950	999.2	1441.6	509.8	83.4	0.952	1.001	0.999	-0.004	1.001	0.030	0.024	1.40	1.73
17	15.495	3.500	-1.980	0.950	998.9	1440.9	509.4	83.3	0.960	1.009	0.999	-0.019	1.008	0.028	0.027	1.56	1.57
18	15.828	3.500	-1.980	0.949	997.7	1442.6	509.2	83.5	0.971	1.020	1.000	-0.040	1.019	0.026	0.031	1.72	1.46
19	16.161	3.500	-1.980	0.950	998.6	1441.1	509.1	83.5	1.003	1.047	1.000	-0.095	1.046	0.023	0.038	2.09	1.26
20	16.494	3.500	-1.980	0.952	1000.8	1442.5	510.8	83.6	1.063	1.096	0.999	-0.194	1.094	0.021	0.055	2.90	1.10
21	16.827	3.500	-1.980	0.947	995.9	1440.1	507.4	83.4	1.097	1.130	1.000	-0.260	1.127	0.020	0.080	4.04	1.00
22	17.160	3.500	-1.980	0.949	998.2	1440.1	508.4	83.9	1.042	1.081	0.999	-0.163	1.078	0.021	0.073	3.89	1.14
23	17.493	3.500	-1.980	0.950	999.4	1443.0	510.2	83.6	0.979	1.026	0.999	-0.053	1.023	0.025	0.070	3.91	1.42
24	17.826	3.500	-1.980	0.952	1001.2	1442.1	510.9	83.6	0.965	1.011	0.998	-0.024	1.008	0.029	0.068	3.84	1.67
25	18.159	3.500	-1.980	0.950	999.0	1441.9	509.6	83.7	0.947	0.997	0.998	0.003	0.995	0.031	0.063	3.61	1.79
26	18.492	3.500	-1.980	0.950	999.1	1440.7	509.2	83.7	0.935	0.986	0.999	0.026	0.984	0.031	0.058	3.38	1.78
27	18.825	3.500	-1.980	0.951	999.8	1442.2	510.2	83.6	0.932	0.983	0.999	0.032	0.981	0.031	0.054	3.17	1.80
28	19.158	3.500	-1.980	0.950	998.9	1441.7	509.5	83.6	0.927	0.979	0.999	0.039	0.978	0.031	0.050	2.95	1.79
29	19.491	3.500	-1.980	0.951	1000.1	1441.9	510.3	83.4	0.929	0.980	0.999	0.038	0.978	0.030	0.048	2.82	1.77

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	358	2.999	5.00	22	406	5.01	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.230	0.951	999.5	1441.1	509.7	83.5	0.912	0.965	1.000	0.068	0.961	0.021	0.092	5.48	1.25
2	10.833	3.500	-1.230	0.950	999.2	1441.4	509.7	83.4	0.902	0.957	1.000	0.086	0.952	0.026	0.090	5.43	1.58
3	11.166	3.500	-1.230	0.952	1001.0	1443.5	511.1	84.0	0.893	0.947	0.999	0.105	0.942	0.034	0.087	5.26	2.07
4	11.499	3.500	-1.230	0.951	1000.4	1443.3	510.7	84.0	0.881	0.936	1.000	0.126	0.932	0.043	0.082	5.01	2.62
5	11.832	3.500	-1.230	0.948	997.8	1442.3	508.9	84.0	0.867	0.926	1.000	0.148	0.922	0.051	0.071	4.42	3.17
6	12.165	3.500	-1.230	0.949	998.8	1444.6	510.3	83.9	0.858	0.917	1.000	0.165	0.913	0.057	0.059	3.69	3.56
7	12.498	3.500	-1.230	0.950	999.5	1443.7	510.3	84.0	0.852	0.910	1.000	0.177	0.908	0.059	0.044	2.77	3.71
8	12.831	3.500	-1.230	0.950	999.6	1442.9	510.2	83.9	0.849	0.907	1.000	0.184	0.905	0.058	0.031	1.95	3.65
9	13.164	3.500	-1.230	0.951	1000.4	1444.5	511.1	84.0	0.848	0.906	1.000	0.186	0.904	0.054	0.016	0.98	3.44
10	13.497	3.500	-1.230	0.952	1000.9	1442.7	510.7	84.1	0.840	0.898	1.000	0.202	0.897	0.053	-0.011	-0.67	3.36
11	13.830	3.500	-1.230	0.947	997.0	1443.3	508.8	84.0	0.860	0.920	1.000	0.158	0.919	0.048	-0.024	-1.47	3.01
12	14.163	3.500	-1.230	0.948	997.7	1444.6	509.8	83.8	0.895	0.952	1.000	0.096	0.950	0.053	-0.019	-1.16	3.20
13	14.496	3.500	-1.230	0.949	998.7	1443.4	509.8	84.0	0.932	0.984	1.000	0.031	0.983	0.049	-0.005	-0.31	2.80
14	14.829	3.500	-1.230	0.950	999.6	1441.8	509.7	84.0	0.958	1.007	1.000	-0.014	1.006	0.046	0.007	0.38	2.64
15	15.162	3.500	-1.230	0.952	1001.1	1443.5	511.1	84.1	0.959	1.006	1.001	-0.011	1.005	0.042	0.012	0.66	2.42
16	15.495	3.500	-1.230	0.953	1002.7	1444.9	512.4	84.3	0.969	1.014	1.000	-0.028	1.013	0.039	0.017	0.96	2.20
17	15.828	3.500	-1.230	0.949	998.3	1443.9	509.7	84.0	0.975	1.024	1.000	-0.046	1.023	0.035	0.022	1.25	1.98
18	16.161	3.500	-1.230	0.951	999.7	1442.9	510.3	83.7	1.073	1.106	1.000	-0.213	1.105	0.031	0.049	2.52	1.61
19	16.494	3.500	-1.230	0.946	996.1	1442.6	508.0	84.0	1.146	1.170	1.000	-0.340	1.165	0.025	0.112	5.50	1.25
20	16.827	3.500	-1.230	0.947	996.9	1442.3	508.4	84.0	1.091	1.124	0.998	-0.252	1.119	0.027	0.108	5.51	1.40
21	17.160	3.500	-1.230	0.949	998.5	1442.3	509.2	84.2	0.965	1.015	0.995	-0.037	1.011	0.029	0.077	4.37	1.62
22	17.493	3.500	-1.230	0.950	999.1	1443.3	510.2	83.5	0.973	1.020	0.998	-0.044	1.017	0.034	0.074	4.18	1.92
23	17.826	3.500	-1.230	0.952	1000.9	1440.7	510.4	83.3	0.965	1.011	0.999	-0.025	1.008	0.038	0.069	3.91	2.15
24	18.159	3.500	-1.230	0.949	998.1	1442.2	509.1	83.9	0.935	0.988	0.999	0.022	0.985	0.039	0.061	3.53	2.25
25	18.492	3.500	-1.230	0.951	1000.0	1444.9	511.1	84.0	0.926	0.978	0.999	0.042	0.976	0.038	0.055	3.23	2.24
26	18.825	3.500	-1.230	0.953	1001.8	1442.9	511.3	84.0	0.922	0.973	0.999	0.053	0.971	0.038	0.052	3.04	2.26
27	19.158	3.500	-1.230	0.948	997.3	1442.1	508.7	83.7	0.918	0.973	1.000	0.053	0.971	0.038	0.047	2.76	2.22
28	19.491	3.500	-1.230	0.952	1000.8	1444.7	511.4	84.1	0.924	0.976	0.998	0.046	0.974	0.036	0.043	2.51	2.13

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	359	3.001	5.00	22	407	5.00	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-2.730	0.952	1000.3	1440.9	510.2	83.3	0.916	0.968	0.999	0.063	0.964	0.017	0.077	4.55	1.03
2	11.166	2.750	-2.730	0.950	998.7	1443.0	509.9	83.5	0.901	0.956	1.000	0.087	0.953	0.022	0.068	4.10	1.30
3	11.832	2.750	-2.730	0.951	999.9	1444.2	510.8	83.9	0.893	0.948	1.000	0.103	0.946	0.024	0.059	3.54	1.46
4	12.498	2.750	-2.730	0.952	1000.7	1442.8	510.8	83.8	0.890	0.944	1.000	0.110	0.943	0.026	0.048	2.92	1.55
5	13.164	2.750	-2.730	0.949	998.9	1443.5	509.8	84.3	0.891	0.948	1.000	0.104	0.947	0.024	0.038	2.30	1.48
6	13.830	2.750	-2.730	0.951	999.8	1444.5	510.8	84.0	0.902	0.956	1.000	0.088	0.955	0.022	0.030	1.81	1.34
7	14.496	2.750	-2.730	0.952	1000.7	1441.6	510.4	83.8	0.923	0.975	1.001	0.052	0.974	0.020	0.026	1.50	1.19
8	15.162	2.750	-2.730	0.953	1002.0	1442.7	511.5	83.8	0.950	0.997	1.000	0.006	0.996	0.020	0.030	1.72	1.12
9	15.828	2.750	-2.730	0.950	999.7	1441.1	509.4	84.2	0.968	1.016	1.000	-0.031	1.015	0.018	0.035	1.96	1.03
10	16.494	2.750	-2.730	0.951	1000.6	1442.4	510.5	84.1	1.022	1.062	1.001	-0.123	1.061	0.017	0.045	2.44	0.94
11	17.160	2.750	-2.730	0.951	1000.1	1445.4	511.2	84.1	1.071	1.104	0.999	-0.208	1.101	0.020	0.068	3.52	1.05
12	17.826	2.750	-2.730	0.950	998.9	1443.4	509.9	84.0	0.976	1.024	1.000	-0.047	1.022	0.022	0.063	3.53	1.26
13	18.492	2.750	-2.730	0.952	1001.2	1443.1	511.1	84.0	0.949	0.998	1.000	0.004	0.996	0.023	0.057	3.29	1.35
14	19.158	2.750	-2.730	0.951	1000.1	1444.4	510.8	84.1	0.937	0.988	0.999	0.023	0.987	0.022	0.051	2.98	1.31
15	19.824	2.750	-2.730	0.954	1002.7	1442.5	511.7	84.0	0.937	0.985	1.000	0.029	0.984	0.022	0.048	2.80	1.27

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	360	2.997	5.00	22	408	5.01	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-1.980	0.952	1000.8	1440.8	510.2	83.8	0.910	0.962	1.000	0.075	0.958	0.022	0.081	4.85	1.33
2	11.166	2.750	-1.980	0.953	1002.0	1443.9	511.8	83.9	0.891	0.944	1.000	0.111	0.941	0.029	0.070	4.26	1.76
3	11.832	2.750	-1.980	0.949	997.8	1441.4	508.8	83.6	0.877	0.934	1.000	0.130	0.932	0.034	0.056	3.43	2.07
4	12.498	2.750	-1.980	0.950	999.1	1443.0	509.9	84.0	0.874	0.931	1.000	0.137	0.930	0.034	0.040	2.46	2.10
5	13.164	2.750	-1.980	0.951	1000.5	1443.7	510.9	84.0	0.879	0.934	1.000	0.132	0.933	0.030	0.027	1.65	1.87
6	13.830	2.750	-1.980	0.949	998.2	1442.4	509.4	83.6	0.890	0.946	1.000	0.108	0.946	0.024	0.013	0.81	1.44
7	14.496	2.750	-1.980	0.951	1000.5	1441.3	510.1	84.0	0.921	0.972	1.000	0.055	0.972	0.022	0.011	0.66	1.28
8	15.162	2.750	-1.980	0.950	1000.0	1444.2	510.6	84.4	0.956	1.005	1.000	-0.009	1.004	0.022	0.020	1.15	1.25
9	15.828	2.750	-1.980	0.952	1000.8	1443.5	511.1	83.9	0.975	1.021	1.000	-0.042	1.020	0.020	0.028	1.55	1.14
10	16.494	2.750	-1.980	0.950	999.6	1445.1	510.7	84.4	1.060	1.096	1.000	-0.192	1.094	0.022	0.049	2.58	1.16
11	17.160	2.750	-1.980	0.953	1002.2	1444.1	512.0	84.0	1.075	1.105	0.999	-0.211	1.102	0.026	0.074	3.85	1.34
12	17.826	2.750	-1.980	0.950	999.1	1441.4	509.5	83.6	0.956	1.005	0.999	-0.011	1.003	0.028	0.062	3.52	1.57
13	18.492	2.750	-1.980	0.950	999.8	1443.5	510.4	84.1	0.939	0.990	0.998	0.017	0.988	0.027	0.054	3.11	1.56
14	19.158	2.750	-1.980	0.951	1000.2	1443.7	510.7	84.1	0.928	0.980	0.999	0.038	0.978	0.026	0.046	2.70	1.51
15	19.824	2.750	-1.980	0.951	1000.1	1443.7	510.7	83.9	0.931	0.982	0.999	0.034	0.981	0.025	0.043	2.49	1.47

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	361	2.999	5.00	22	409	5.01	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-1.230	0.949	998.1	1443.9	509.6	84.0	0.901	0.957	1.000	0.086	0.952	0.028	0.091	5.44	1.67
2	11.166	2.750	-1.230	0.950	999.5	1444.9	510.8	83.8	0.872	0.929	0.999	0.140	0.925	0.043	0.075	4.67	2.64
3	11.832	2.750	-1.230	0.951	1000.1	1443.3	510.6	83.9	0.852	0.910	1.000	0.179	0.907	0.051	0.047	2.98	3.21
4	12.498	2.750	-1.230	0.953	1002.0	1443.2	511.5	84.0	0.853	0.909	0.999	0.180	0.908	0.046	0.024	1.50	2.90
5	13.164	2.750	-1.230	0.950	998.9	1444.2	510.2	83.9	0.859	0.917	1.000	0.164	0.917	0.034	0.008	0.51	2.11
6	13.830	2.750	-1.230	0.951	999.8	1442.6	510.2	83.8	0.869	0.926	1.000	0.148	0.926	0.012	-0.014	-0.85	0.77
7	14.496	2.750	-1.230	0.952	1000.6	1441.8	510.4	83.7	0.923	0.974	1.000	0.052	0.974	0.015	-0.015	-0.88	0.91
8	15.162	2.750	-1.230	0.951	999.9	1443.5	510.6	83.8	0.968	1.016	0.999	-0.032	1.015	0.020	0.002	0.12	1.16
9	15.828	2.750	-1.230	0.949	998.1	1443.0	509.3	84.0	0.979	1.027	1.000	-0.053	1.027	0.018	0.014	0.78	1.02
10	16.494	2.750	-1.230	0.950	999.3	1442.4	509.9	83.7	1.122	1.146	1.000	-0.292	1.144	0.042	0.068	3.41	2.09
11	17.160	2.750	-1.230	0.952	1000.8	1441.9	510.6	83.8	1.000	1.042	0.996	-0.091	1.040	0.030	0.068	3.74	1.66
12	17.826	2.750	-1.230	0.952	1000.6	1441.5	510.3	83.7	0.941	0.990	0.996	0.014	0.988	0.030	0.059	3.39	1.77
13	18.492	2.750	-1.230	0.951	1000.1	1443.3	510.6	84.0	0.921	0.973	0.996	0.048	0.971	0.030	0.048	2.85	1.76
14	19.158	2.750	-1.230	0.952	1001.5	1444.0	511.5	84.2	0.918	0.969	0.998	0.057	0.968	0.028	0.041	2.41	1.66
15	19.824	2.750	-1.230	0.950	998.9	1442.4	509.7	83.6	0.921	0.974	0.997	0.048	0.973.	0.027	0.034	2.00	1.56

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	362	2.999	5.00	22	410	5.01	2-18-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	-2.750	-2.730	0.950	999.2	1442.4	509.8	83.8	0.915	0.969	1.000	0.062	0.966	-0.021	0.075	4.41	-1.23
2	11.833	-2.750	-2.730	0.952	1000.8	1443.2	511.0	83.7	0.892	0.946	1.000	0.108	0.943	-0.028	0.060	3.63	-1.72
3	13.166	-2.750	-2.730	0.952	1001.1	1445.1	511.8	84.0	0.891	0.945	0.999	0.109	0.944	-0.029	0.038	2.30	-1.76
4	14.499	-2.750	-2.730	0.952	1001.5	1444.6	511.6	84.4	0.921	0.973	0.999	0.053	0.972	-0.024	0.025	1.48	-1.43
5	15.832	-2.750	-2.730	0.952	1000.7	1444.7	511.4	84.0	0.969	1.015	1.000	-0.032	1.015	-0.022	0.034	1.92	-1.25
6	17.165	-2.750	-2.730	0.953	1001.5	1441.2	510.8	83.6	1.076	1.106	1.000	-0.213	1.104	-0.024	0.070	3.62	-1.27
7	18.498	-2.750	-2.730	0.950	999.2	1442.5	509.7	84.0	0.947	0.998	1.000	0.005	0.996	-0.026	0.055	3.16	-1.51
9	19.831	-2.750	-2.730	0.950	998.6	1440.8	509.0	83.6	0.935	0.987	1.000	0.025	0.986	-0.026	0.045	2.64	-1.49

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS
TC-532	363	2,999	5.00	22	411	5.01

DATE 2-18-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SKL
1	10.500	-2.750	-1.230	0.949	998.6	1442.6	509.6	83.7	0.899	0.955	1.000	0.090	0.950	-0.031	0.093	5.56	-1.84
2	11.833	-2.750	-1.230	0.952	1000.9	1441.6	510.4	84.0	0.849	0.906	1.000	0.186	0.903	-0.055	0.049	3.08	-3.49
3	13.166	-2.750	-1.230	0.953	1001.7	1443.7	511.6	83.8	0.857	0.913	1.000	0.172	0.912	-0.037	0.008	0.51	-2.30
4	14.499	-2.750	-1.230	0.948	997.1	1442.5	508.6	83.8	0.921	0.976	1.000	0.049	0.975	-0.019	-0.017	-0.99	-1.14
5	15.832	-2.750	-1.230	0.950	998.9	1443.7	510.1	83.9	0.984	1.030	0.999	-0.062	1.030	-0.021	0.013	0.75	-1.16
6	17.165	-2.750	-1.230	0.955	1003.6	1444.4	512.9	84.0	0.978	1.020	0.996	-0.047	1.018	-0.032	0.063	3.53	-1.80
7	18.498	-2.750	-1.230	0.954	1003.0	1443.5	512.1	84.3	0.920	0.970	0.996	0.054	0.968	-0.031	0.045	2.68	-1.81
9	19.831	-2.750	-1.230	0.949	998.4	1443.2	509.5	84.1	0.922	0.976	0.997	0.043	0.975	-0.028	0.030	1.78	-1.65

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	376	2.999	0.00	22	401	0.02	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
11	10.500	4.250	-2.730	1.050	1084.1	1397.4	536.9	81.8	1.115	1.050	0.998	-0.103	1.050	-0.000	0.004	0.21	-0.00
12	11.166	4.250	-2.730	1.052	1085.6	1396.8	537.4	81.8	1.104	1.040	0.997	-0.083	1.040	0.003	0.000	0.01	0.18
13	11.832	4.250	-2.730	1.054	1087.1	1397.8	538.5	81.7	1.054	1.000	0.998	-0.003	1.000	0.011	-0.011	-0.61	0.64
14	12.498	4.250	-2.730	1.048	1082.8	1398.2	536.6	81.9	1.059	1.008	0.999	-0.017	1.008	0.010	-0.016	-0.88	0.57
15	13.164	4.250	-2.730	1.050	1084.3	1397.7	537.1	81.9	1.056	1.005	0.999	-0.010	1.005	0.009	-0.019	-1.11	0.50
16	13.830	4.250	-2.730	1.052	1085.9	1398.3	538.0	81.9	1.028	0.981	0.998	0.035	0.981	0.009	-0.030	-1.74	0.52
17	14.496	4.250	-2.730	1.048	1082.1	1397.8	536.1	81.9	1.045	0.998	0.998	0.002	0.997	0.008	-0.032	-1.82	0.48
18	15.162	4.250	-2.730	1.053	1086.4	1398.0	538.2	81.8	1.094	1.032	0.999	-0.065	1.031	0.004	-0.021	-1.15	0.20
19	15.828	4.250	-2.730	1.052	1085.2	1396.3	537.1	81.5	1.133	1.062	0.998	-0.125	1.062	0.000	-0.003	-0.15	0.00
20	16.494	4.250	-2.730	1.049	1083.2	1396.1	536.2	81.4	1.154	1.079	0.996	-0.162	1.079	-0.007	0.019	0.99	-0.36
21	17.160	4.250	-2.730	1.053	1086.9	1396.9	538.0	81.7	1.149	1.072	0.995	-0.149	1.072	-0.006	0.020	1.06	-0.30
23	17.826	4.250	-2.730	1.050	1083.4	1396.7	536.5	81.5	1.186	1.103	0.995	-0.208	1.101	-0.022	0.054	2.81	-1.15
24	18.492	4.250	-2.730	1.053	1086.5	1395.7	537.5	81.5	1.219	1.123	0.990	-0.253	1.121	-0.023	0.069	3.52	-1.17
25	19.158	4.250	-2.730	1.049	1083.4	1396.3	536.3	81.5	1.106	1.044	0.991	-0.097	1.043	-0.009	0.022	1.23	-0.48
26	19.824	4.250	-2.730	1.053	1086.3	1397.6	538.0	81.8	0.990	0.950	0.993	0.090	0.950	-0.010	0.001	0.08	-0.02

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	377	3.001	0.00	22	402	0.02	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	4.250	-1.980	1.051	1084.8	1397.6	537.4	81.6	1.112	1.046	0.998	-0.095	1.046	-0.000	0.003	0.17	-0.01
2	11.166	4.250	-1.980	1.049	1083.4	1396.5	536.4	81.5	1.093	1.034	0.998	-0.070	1.034	0.006	-0.002	-0.12	0.36
3	11.832	4.250	-1.980	1.052	1085.1	1395.8	536.9	81.4	1.050	0.998	0.999	0.002	0.998	0.015	-0.012	-0.67	0.66
4	12.498	4.250	-1.980	1.052	1085.8	1396.9	537.6	81.5	1.054	1.002	0.998	-0.005	1.001	0.015	-0.018	-1.01	0.86
5	13.164	4.250	-1.980	1.051	1085.0	1397.0	537.2	81.7	1.053	1.001	0.999	-0.003	1.001	0.011	-0.023	-1.34	0.65
6	13.830	4.250	-1.980	1.052	1085.8	1398.4	538.1	81.8	1.005	0.963	0.998	0.073	0.962	0.014	-0.037	-2.22	0.84
7	14.496	4.250	-1.980	1.050	1084.1	1398.4	537.3	81.8	1.061	1.009	0.999	-0.018	1.008	0.010	-0.037	-2.12	0.59
8	15.162	4.250	-1.980	1.053	1086.5	1398.0	538.2	81.8	1.121	1.052	0.999	-0.105	1.052	0.000	-0.018	-0.97	0.02
9	15.828	4.250	-1.980	1.050	1083.9	1396.3	536.4	81.8	1.155	1.080	0.996	-0.163	1.080	-0.005	0.007	0.38	-0.29
10	16.494	4.250	-1.980	1.054	1087.4	1398.5	538.8	81.9	1.160	1.080	0.994	-0.166	1.080	-0.006	0.011	0.61	-0.29
11	17.160	4.250	-1.980	1.051	1085.0	1397.9	537.6	81.5	1.194	1.107	0.995	-0.217	1.106	-0.021	0.045	2.35	-1.11
13	17.826	4.250	-1.980	1.052	1085.7	1396.6	537.5	81.4	1.246	1.143	0.988	-0.294	1.139	-0.043	0.094	4.71	-2.19
14	18.492	4.250	-1.980	1.047	1081.4	1396.9	535.6	81.6	1.192	1.109	0.993	-0.224	1.107	-0.014	0.065	3.34	-0.73
15	19.158	4.250	-1.980	1.051	1084.7	1396.2	536.9	81.4	0.990	0.952	0.990	0.083	0.952	-0.007	0.007	0.42	-0.43
16	19.824	4.250	-1.980	1.049	1083.2	1396.7	536.4	81.4	1.023	0.979	0.997	0.038	0.979	-0.008	0.004	0.24	-0.49

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	378	2.998	0.00	22	403	0.01	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	4.250	-1.230	1.050	1084.0	1396.6	536.6	81.7	1.111	1.047	0.997	-0.097	1.047	0.001	0.003	0.18	0.03
2	11.166	4.250	-1.230	1.053	1085.8	1397.4	537.9	81.4	1.065	1.010	0.997	-0.022	1.009	0.012	-0.003	-0.15	0.66
3	11.832	4.250	-1.230	1.054	1087.1	1396.5	538.0	81.5	1.042	0.991	0.999	0.017	0.990	0.020	-0.009	-0.55	1.18
5	12.498	4.250	-1.230	1.052	1085.5	1396.9	537.5	81.4	1.047	0.996	0.998	0.006	0.996	0.022	-0.020	-1.14	1.28
6	13.164	4.250	-1.230	1.054	1086.9	1397.2	538.2	81.6	1.052	0.999	0.999	0.001	0.998	0.017	-0.030	-1.72	0.98
7	13.830	4.250	-1.230	1.050	1084.2	1397.1	536.9	81.7	0.962	0.929	0.998	0.139	0.928	0.027	-0.049	-3.00	1.66
8	14.496	4.250	-1.230	1.051	1085.3	1396.8	537.2	81.8	1.075	1.018	0.999	-0.038	1.017	0.016	-0.048	-2.67	0.88
9	15.162	4.250	-1.230	1.049	1083.2	1397.1	536.4	81.7	1.155	1.081	0.997	-0.163	1.080	-0.007	-0.009	-0.46	-0.37
10	15.828	4.250	-1.230	1.053	1086.1	1397.0	537.7	81.7	1.177	1.093	0.992	-0.194	1.093	-0.012	0.014	0.74	-0.62
11	16.494	4.250	-1.230	1.049	1082.8	1395.9	535.9	81.5	1.178	1.098	0.995	-0.199	1.097	-0.021	0.023	1.18	-1.10
12	17.160	4.250	-1.230	1.053	1086.2	1396.9	537.8	81.5	1.273	1.161	0.987	-0.329	1.157	-0.064	0.082	4.07	-3.18
13	17.826	4.250	-1.230	1.050	1084.0	1396.4	536.5	81.7	1.176	1.095	0.974	-0.218	1.093	-0.021	0.077	4.04	-1.12
14	18.492	4.250	-1.230	1.049	1083.7	1398.7	537.2	81.8	1.080	1.023	0.989	-0.060	1.023	-0.003	0.020	1.11	-0.18
15	19.158	4.250	-1.230	1.052	1086.0	1399.1	538.3	82.0	1.047	0.996	0.997	0.004	0.996	-0.008	0.007	0.39	-0.44
16	19.824	4.250	-1.230	1.050	1084.0	1397.0	536.9	81.5	1.042	0.994	0.998	0.010	0.994	-0.009	0.009	0.51	-0.54

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	379	2,999	0.00	22	404	0.02	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-2.730	1.052	1086.4	1397.5	537.9	82.0	1.109	1.043	0.998	-0.089	1.043	0.000	0.003	0.17	0.01
2	10.833	3.500	-2.730	1.052	1085.6	1398.0	537.9	81.7	1.104	1.040	0.998	-0.083	1.040	0.002	0.001	0.04	0.11
3	11.166	3.500	-2.730	1.051	1085.1	1396.2	537.0	81.7	1.089	1.029	0.998	-0.061	1.029	0.006	-0.004	-0.22	0.33
4	11.499	3.500	-2.730	1.051	1085.1	1395.6	536.8	81.6	1.062	1.008	0.999	-0.018	1.008	0.009	-0.010	-0.57	0.48
5	11.832	3.500	-2.730	1.052	1085.8	1395.9	537.3	81.4	1.056	1.003	0.998	-0.007	1.003	0.010	-0.014	-0.82	0.57
6	12.165	3.500	-2.730	1.051	1084.9	1398.4	537.9	81.4	1.062	1.008	0.998	-0.018	1.008	0.009	-0.016	-0.92	0.50
7	12.498	3.500	-2.730	1.051	1084.7	1396.3	536.8	81.6	1.061	1.008	0.999	-0.017	1.008	0.008	-0.018	-1.01	0.46
8	12.831	3.500	-2.730	1.052	1085.3	1396.1	537.1	81.5	1.065	1.010	0.999	-0.021	1.010	0.007	-0.019	-1.06	0.42
9	13.164	3.500	-2.730	1.053	1086.9	1397.6	538.3	81.8	1.062	1.007	0.998	-0.016	1.007	0.006	-0.021	-1.19	0.34
10	13.497	3.500	-2.730	1.054	1087.5	1398.5	538.8	81.8	1.043	0.992	0.999	0.016	0.991	0.005	-0.027	-1.55	0.27
12	13.830	3.500	-2.730	1.048	1082.4	1398.1	536.4	81.9	1.014	0.973	0.999	0.052	0.973	0.004	-0.032	-1.87	0.21
13	14.163	3.500	-2.730	1.054	1087.4	1398.1	538.7	81.6	1.034	0.984	0.998	0.029	0.984	0.003	-0.034	-2.00	0.17
14	14.496	3.500	-2.730	1.051	1084.9	1396.9	537.2	81.5	1.052	1.001	1.000	-0.001	1.000	0.003	-0.032	-1.86	0.15
15	14.829	3.500	-2.730	1.052	1085.9	1397.3	537.8	81.5	1.077	1.019	0.999	-0.039	1.018	0.002	-0.027	-1.51	0.09
16	15.162	3.500	-2.730	1.053	1086.1	1395.5	537.2	81.6	1.096	1.033	0.999	-0.068	1.033	0.002	-0.018	-1.01	0.10
17	15.495	3.500	-2.730	1.050	1083.6	1396.7	536.5	81.6	1.118	1.052	0.998	-0.106	1.052	0.002	-0.008	-0.46	0.13
18	15.828	3.500	-2.730	1.052	1085.9	1396.6	537.5	81.6	1.137	1.064	0.998	-0.130	1.064	0.001	0.002	0.12	0.06
19	16.161	3.500	-2.730	1.051	1085.3	1397.1	537.4	81.7	1.149	1.074	0.996	-0.152	1.074	0.001	0.010	0.55	0.06
20	16.494	3.500	-2.730	1.050	1084.0	1398.0	537.2	81.7	1.163	1.085	0.996	-0.174	1.085	-0.002	0.020	1.06	-0.09
21	16.827	3.500	-2.730	1.052	1085.7	1398.6	538.0	82.0	1.145	1.071	0.993	-0.150	1.071	-0.001	0.015	0.79	-0.07
22	17.160	3.500	-2.730	1.053	1086.5	1397.8	538.1	81.9	1.161	1.082	0.997	-0.166	1.082	-0.003	0.025	1.31	-0.17
23	17.493	3.500	-2.730	1.049	1083.5	1398.5	537.1	81.8	1.170	1.092	0.996	-0.186	1.091	-0.012	0.046	2.43	-0.60
24	17.826	3.500	-2.730	1.051	1084.7	1397.9	537.3	81.9	1.198	1.110	0.994	-0.224	1.108	-0.014	0.064	3.32	-0.70
25	18.159	3.500	-2.730	1.052	1086.2	1397.0	537.6	82.0	1.224	1.128	0.992	-0.260	1.124	-0.015	0.083	4.22	-0.77
26	18.492	3.500	-2.730	1.053	1087.1	1400.0	539.2	82.0	1.193	1.105	0.988	-0.221	1.104	-0.013	0.053	2.74	-0.70
27	18.825	3.500	-2.730	1.049	1083.1	1396.4	536.2	81.6	1.178	1.097	0.993	-0.201	1.096	-0.012	0.059	3.07	-0.65
28	19.158	3.500	-2.730	1.051	1084.9	1398.0	537.5	81.8	1.133	1.063	0.992	-0.134	1.062	-0.007	0.026	1.42	-0.38
29	19.491	3.500	-2.730	1.051	1085.5	1397.9	537.6	82.0	0.989	0.951	0.991	0.087	0.951	-0.006	0.007	0.43	-0.34

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	360	3.000	0.00	22	405	0.02	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.980	1.050	1083.6	1397.6	536.8	81.7	1.115	1.050	0.997	-0.104	1.050	0.000	0.002	0.12	0.03
2	10.833	3.500	-1.980	1.049	1083.6	1398.0	536.9	81.9	1.097	1.037	0.998	-0.076	1.037	0.004	-0.001	-0.07	0.25
3	11.166	3.500	-1.980	1.050	1084.6	1398.5	537.5	82.0	1.069	1.014	0.997	-0.032	1.014	0.010	-0.007	-0.42	0.55
4	11.499	3.500	-1.980	1.050	1084.3	1398.0	537.2	81.9	1.049	0.999	0.998	-0.000	0.999	0.013	-0.012	-0.71	0.74
5	11.832	3.500	-1.980	1.052	1085.7	1398.7	538.0	82.0	1.050	0.999	0.999	0.001	0.998	0.014	-0.016	-0.94	0.80
6	12.165	3.500	-1.980	1.052	1086.3	1398.2	538.1	82.0	1.052	0.999	0.999	-0.000	0.999	0.013	-0.020	-1.13	0.77
7	12.498	3.500	-1.980	1.052	1086.0	1396.5	537.5	81.7	1.054	1.002	0.999	-0.005	1.001	0.011	-0.022	-1.27	0.62
8	12.831	3.500	-1.980	1.050	1083.6	1396.5	536.5	81.5	1.058	1.006	0.998	-0.014	1.006	0.007	-0.024	-1.38	0.42
9	13.164	3.500	-1.980	1.050	1084.3	1396.2	536.6	81.6	1.055	1.004	0.999	-0.009	1.004	0.005	-0.025	-1.45	0.29
10	13.497	3.500	-1.980	1.053	1086.4	1399.2	538.6	82.0	1.016	0.971	0.998	0.056	0.970	0.004	-0.035	-2.04	0.25
11	13.830	3.500	-1.980	1.053	1086.5	1397.7	538.1	81.8	0.994	0.954	0.999	0.091	0.953	0.003	-0.042	-2.50	0.20
12	14.163	3.500	-1.980	1.054	1087.2	1396.9	538.1	81.7	1.033	0.984	0.999	0.032	0.983	0.003	-0.044	-2.57	0.15
13	14.496	3.500	-1.980	1.051	1085.0	1397.7	537.5	81.6	1.069	1.014	0.998	-0.029	1.013	0.001	-0.038	-2.12	0.06
14	14.829	3.500	-1.980	1.052	1085.4	1395.9	537.0	81.7	1.105	1.041	0.999	-0.083	1.041	-0.001	-0.025	-1.40	-0.05
15	15.162	3.500	-1.980	1.054	1087.4	1397.8	538.6	81.7	1.131	1.058	0.998	-0.118	1.058	-0.002	-0.012	-0.66	-0.10
17	15.495	3.500	-1.980	1.052	1086.0	1397.5	537.7	82.1	1.148	1.073	0.998	-0.148	1.073	-0.002	0.004	0.20	-0.12
18	15.828	3.500	-1.980	1.050	1084.3	1396.9	536.8	81.7	1.164	1.086	0.996	-0.175	1.086	-0.003	0.015	0.81	-0.15
19	16.161	3.500	-1.980	1.052	1086.0	1398.1	537.9	82.0	1.173	1.091	0.995	-0.186	1.091	-0.005	0.017	0.89	-0.26
20	16.494	3.500	-1.980	1.053	1086.5	1397.6	538.0	81.9	1.156	1.078	0.994	-0.161	1.078	-0.003	0.016	0.87	-0.18
21	16.827	3.500	-1.980	1.052	1085.9	1398.5	538.2	81.7	1.183	1.098	0.995	-0.200	1.098	-0.006	0.036	1.89	-0.29
22	17.160	3.500	-1.980	1.052	1085.9	1398.2	538.0	82.0	1.218	1.124	0.993	-0.251	1.122	-0.009	0.064	3.28	-0.48
23	17.493	3.500	-1.980	1.052	1085.9	1397.7	537.7	82.0	1.251	1.147	0.989	-0.300	1.143	-0.014	0.093	4.64	-0.68
24	17.826	3.500	-1.980	1.053	1087.2	1398.2	538.5	82.1	1.221	1.125	0.984	-0.262	1.123	-0.012	0.054	2.76	-0.62
25	18.159	3.500	-1.980	1.050	1084.7	1398.2	537.4	82.0	1.184	1.101	0.991	-0.210	1.099	-0.015	0.066	3.41	-0.79
26	18.492	3.500	-1.980	1.053	1086.8	1398.5	538.4	82.0	1.195	1.106	0.992	-0.219	1.104	-0.015	0.070	3.61	-0.76
27	18.825	3.500	-1.980	1.047	1081.6	1396.3	535.4	81.8	1.047	1.000	0.992	-0.010	1.000	-0.003	0.016	0.91	-0.15
28	19.158	3.500	-1.980	1.049	1083.0	1397.7	536.6	81.6	0.998	0.960	0.993	0.070	0.960	-0.003	0.007	0.41	-0.20
29	19.491	3.500	-1.980	1.051	1084.5	1397.5	537.3	81.5	1.027	0.981	0.998	0.035	0.981	-0.005	0.005	0.27	-0.31

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	381	3.000	0.00	22	406	0.02	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.230	1.051	1085.0	1397.4	537.4	81.7	1.101	1.038	0.997	-0.080	1.038	0.003	0.001	0.08	0.18
2	10.833	3.500	-1.230	1.052	1085.5	1397.6	537.8	81.5	1.071	1.015	0.997	-0.033	1.015	0.010	-0.003	-0.17	0.58
3	11.166	3.500	-1.230	1.052	1085.7	1396.6	537.4	81.6	1.043	0.993	0.997	0.011	0.993	0.015	-0.007	-0.42	0.89
4	11.499	3.500	-1.230	1.052	1086.0	1395.9	537.3	81.6	1.037	0.988	0.999	0.022	0.988	0.020	-0.012	-0.70	1.13
5	11.832	3.500	-1.230	1.053	1086.4	1395.8	537.5	81.5	1.038	0.988	0.999	0.023	0.988	0.022	-0.018	-1.02	1.26
6	12.165	3.500	-1.230	1.049	1083.0	1397.0	536.3	81.8	1.043	0.995	0.999	0.008	0.995	0.020	-0.025	-1.44	1.17
7	12.498	3.500	-1.230	1.051	1085.1	1397.6	537.5	81.7	1.043	0.994	0.999	0.011	0.993	0.017	-0.030	-1.73	0.99
8	12.831	3.500	-1.230	1.052	1085.5	1395.5	536.9	81.5	1.048	0.997	0.999	0.004	0.997	0.011	-0.033	-1.92	0.66
9	13.164	3.500	-1.230	1.053	1086.4	1396.4	537.7	81.5	1.054	1.001	0.999	-0.003	1.000	0.006	-0.034	-1.97	0.35
10	13.497	3.500	-1.230	1.053	1086.2	1396.3	537.6	81.5	0.951	0.919	0.999	0.162	0.917	0.006	-0.055	-3.44	0.40
11	13.830	3.500	-1.230	1.048	1082.4	1397.7	536.3	81.8	0.939	0.913	0.998	0.173	0.910	0.004	-0.073	-4.58	0.28
12	14.163	3.500	-1.230	1.051	1084.9	1398.7	537.7	81.9	1.031	0.985	0.998	0.029	0.982	-0.000	-0.067	-3.90	-0.02
13	14.496	3.500	-1.230	1.052	1085.7	1398.1	537.8	82.0	1.103	1.039	0.999	-0.080	1.038	-0.007	-0.047	-2.57	-0.36
14	14.829	3.500	-1.230	1.053	1086.6	1396.8	537.7	82.0	1.139	1.066	0.998	-0.133	1.066	-0.010	-0.023	-1.24	-0.51
15	15.162	3.500	-1.230	1.049	1083.4	1396.8	536.3	82.0	1.159	1.084	0.996	-0.170	1.084	-0.010	-0.003	-0.14	-0.54
16	15.495	3.500	-1.230	1.051	1085.5	1398.0	537.7	82.0	1.171	1.090	0.992	-0.187	1.090	-0.013	0.011	0.58	-0.65
17	15.828	3.500	-1.230	1.049	1083.4	1398.7	537.0	82.0	1.147	1.075	0.987	-0.164	1.075	-0.014	0.004	0.23	-0.74
18	16.161	3.500	-1.230	1.051	1085.0	1399.1	537.9	82.0	1.161	1.083	0.992	-0.174	1.083	-0.010	0.017	0.91	-0.54
19	16.494	3.500	-1.230	1.053	1086.5	1399.8	538.9	81.9	1.235	1.135	0.993	-0.273	1.133	-0.019	0.074	3.74	-0.95
20	16.827	3.500	-1.230	1.053	1086.4	1397.1	537.9	81.7	1.291	1.174	0.985	-0.353	1.165	-0.028	0.139	6.82	-1.38
21	17.160	3.500	-1.230	1.050	1084.4	1397.8	537.3	81.7	1.200	1.112	0.975	-0.249	1.111	-0.013	0.047	2.43	-0.67
22	17.493	3.500	-1.230	1.052	1085.3	1396.4	537.1	81.7	1.191	1.105	0.989	-0.219	1.103	-0.015	0.060	3.14	-0.80
23	17.826	3.500	-1.230	1.053	1086.4	1396.5	537.6	81.7	1.203	1.112	0.991	-0.231	1.110	-0.012	0.067	3.44	-0.63
24	18.159	3.500	-1.230	1.053	1086.8	1397.6	538.3	81.6	1.183	1.097	0.989	-0.205	1.096	-0.008	0.047	2.44	-0.40
25	18.492	3.500	-1.230	1.050	1084.0	1398.2	537.2	81.7	1.069	1.015	0.991	-0.041	1.015	-0.005	0.022	1.24	-0.28
26	18.825	3.500	-1.230	1.052	1086.1	1398.4	538.2	81.8	1.055	1.002	0.994	-0.012	1.002	-0.004	0.011	0.63	-0.23
27	19.158	3.500	-1.230	1.054	1087.2	1399.5	539.1	81.9	1.066	1.010	0.998	-0.022	1.010	-0.007	0.008	0.46	-0.37
28	19.491	3.500	-1.230	1.047	1082.1	1398.3	536.3	82.0	1.054	1.005	0.999	-0.012	1.005	-0.008	0.012	0.66	-0.48

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	382	2.996	0.00	22	407	0.02	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-2.730	1.051	1085.3	1396.1	537.0	81.7	1.106	1.042	0.997	-0.086	1.042	0.001	0.002	0.13	0.05
2	11.166	2.750	-2.730	1.049	1083.8	1398.3	537.0	82.0	1.077	1.022	0.998	-0.046	1.022	0.006	-0.008	-0.46	0.31
3	11.832	2.750	-2.730	1.052	1085.6	1399.9	538.5	82.0	1.056	1.004	0.998	-0.010	1.004	0.007	-0.017	-0.97	0.39
4	12.498	2.750	-2.730	1.053	1086.5	1399.1	538.5	82.0	1.063	1.008	0.999	-0.017	1.008	0.005	-0.019	-1.08	0.30
5	13.164	2.750	-2.730	1.049	1083.5	1396.9	536.5	81.7	1.060	1.008	0.999	-0.018	1.008	0.001	-0.020	-1.13	0.08
6	13.830	2.750	-2.730	1.052	1085.5	1396.7	537.3	81.7	1.020	0.975	0.999	0.048	0.975	-0.002	-0.030	-1.77	-0.14
7	14.496	2.750	-2.730	1.054	1087.6	1397.3	538.5	81.7	1.051	0.998	0.999	0.003	0.997	-0.003	-0.031	-1.77	-0.17
8	15.162	2.750	-2.730	1.050	1084.2	1396.8	536.8	81.6	1.094	1.034	0.999	-0.068	1.034	0.000	-0.016	-0.86	0.02
9	15.828	2.750	-2.730	1.047	1082.2	1399.3	536.7	82.0	1.135	1.067	0.997	-0.137	1.067	0.003	0.005	0.25	0.16
10	16.494	2.750	-2.730	1.051	1085.2	1397.9	537.6	81.7	1.165	1.086	0.996	-0.176	1.086	0.005	0.025	1.31	0.25
11	17.160	2.750	-2.730	1.051	1084.6	1396.5	536.8	81.7	1.159	1.082	0.996	-0.167	1.082	-0.002	0.028	1.46	-0.08
12	17.826	2.750	-2.730	1.055	1088.2	1398.1	539.0	81.7	1.217	1.121	0.992	-0.247	1.119	0.002	0.058	2.94	0.10
13	18.492	2.750	-2.730	1.050	1084.3	1396.0	536.5	81.7	1.199	1.111	0.989	-0.232	1.110	-0.013	0.059	3.06	-0.65
14	19.158	2.750	-2.730	1.053	1086.9	1396.9	538.0	81.8	1.142	1.067	0.991	-0.144	1.067	-0.008	0.025	1.32	-0.43
15	19.824	2.750	-2.730	1.050	1083.5	1396.4	536.4	81.6	1.019	0.976	0.998	0.045	0.976	-0.004	0.003	0.20	-0.24

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	383	2.999	0.00	22	408	0.02	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-1.980	1.050	1084.7	1398.2	537.4	82.0	1.099	1.037	0.997	-0.077	1.037	0.003	0.000	0.01	0.16
2	11.166	2.750	-1.980	1.052	1085.6	1397.4	537.5	82.0	1.047	0.996	0.998	0.005	0.996	0.010	-0.013	-0.72	0.57
3	11.832	2.750	-1.980	1.053	1086.9	1399.8	539.0	82.1	1.048	0.996	0.998	0.006	0.996	0.010	-0.022	-1.25	0.58
4	12.498	2.750	-1.980	1.049	1083.7	1398.5	537.1	82.0	1.050	1.001	0.999	-0.003	1.001	0.005	-0.025	-1.44	0.31
5	13.164	2.750	-1.980	1.052	1085.7	1399.1	538.1	82.1	1.057	1.004	0.999	-0.010	1.004	0.001	-0.025	-1.40	0.05
6	13.830	2.750	-1.980	1.053	1087.2	1399.0	538.8	82.1	0.996	0.955	0.999	0.088	0.954	-0.007	-0.037	-2.24	-0.40
7	14.496	2.750	-1.980	1.052	1086.0	1399.1	538.2	82.2	1.064	1.010	0.999	-0.021	1.009	-0.007	-0.033	-1.86	-0.38
8	15.162	2.750	-1.980	1.053	1087.0	1398.2	538.4	82.0	1.125	1.055	0.997	-0.113	1.055	-0.001	-0.008	-0.43	-0.05
9	15.828	2.750	-1.980	1.051	1085.3	1399.0	538.0	82.1	1.163	1.085	0.997	-0.172	1.085	0.001	0.017	0.89	0.04
10	16.494	2.750	-1.980	1.054	1087.4	1398.4	538.7	81.9	1.153	1.075	0.991	-0.159	1.075	-0.001	0.020	1.06	-0.07
11	17.160	2.750	-1.980	1.052	1085.3	1395.8	536.9	81.7	1.214	1.121	0.993	-0.246	1.120	0.009	0.058	2.96	0.45
12	17.826	2.750	-1.980	1.050	1083.8	1396.8	536.6	81.7	1.240	1.142	0.985	-0.293	1.138	0.006	0.085	4.25	0.31
13	18.492	2.750	-1.980	1.053	1086.5	1395.9	537.8	81.8	1.182	1.097	0.990	-0.204	1.096	-0.010	0.058	3.03	-0.53
14	19.158	2.750	-1.980	1.049	1083.8	1399.4	537.4	82.1	1.017	0.975	0.994	0.042	0.975	-0.002	0.007	0.43	-0.10
15	19.824	2.750	-1.980	1.053	1086.9	1399.0	538.7	82.1	1.031	0.983	0.997	0.030	0.983	-0.005	0.004	0.23	-0.32

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	384	3.003	0.00	22	409	0.02	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-1.230	1.052	1086.3	1399.5	538.6	82.1	1.074	1.017	0.998	-0.037	1.017	0.008	-0.003	-0.16	0.43
2	11.166	2.750	-1.230	1.048	1083.0	1399.1	536.9	82.1	1.039	0.993	0.998	0.012	0.992	0.017	-0.016	-0.94	0.98
3	11.832	2.750	-1.230	1.050	1084.8	1398.5	537.5	82.1	1.039	0.991	0.999	0.016	0.991	0.016	-0.030	-1.72	0.93
4	12.498	2.750	-1.230	1.052	1085.9	1398.4	537.9	82.2	1.043	0.993	0.999	0.012	0.992	0.007	-0.035	-2.02	0.42
5	13.164	2.750	-1.230	1.054	1087.9	1398.7	538.9	82.2	1.047	0.995	0.998	0.008	0.994	-0.001	-0.032	-1.86	-0.03
6	13.830	2.750	-1.230	1.050	1084.6	1398.3	537.4	81.9	0.953	0.922	0.999	0.154	0.921	-0.023	-0.048	-3.01	-1.42
7	14.496	2.750	-1.230	1.053	1086.6	1398.8	538.5	81.9	1.086	1.026	0.998	-0.054	1.025	-0.015	-0.041	-2.31	-0.82
8	15.162	2.750	-1.230	1.049	1082.9	1396.7	536.1	81.7	1.165	1.088	0.996	-0.179	1.088	-0.000	0.010	0.54	-0.01
9	15.828	2.750	-1.230	1.052	1085.8	1396.3	537.2	81.9	1.156	1.079	0.991	-0.167	1.079	-0.003	0.013	0.68	-0.16
10	16.494	2.750	-1.230	1.051	1085.4	1398.0	537.6	82.1	1.205	1.115	0.995	-0.234	1.114	0.013	0.047	2.43	0.66
11	17.160	2.750	-1.230	1.055	1088.6	1400.3	539.9	82.1	1.308	1.184	0.981	-0.376	1.176	0.054	0.121	5.89	2.65
12	17.826	2.750	-1.230	1.051	1085.5	1399.6	538.3	82.1	1.201	1.112	0.990	-0.232	1.110	-0.006	0.069	3.57	-0.32
13	18.492	2.750	-1.230	1.049	1083.6	1398.3	537.0	81.8	1.046	0.997	0.992	-0.005	0.997	-0.001	0.020	1.17	-0.03
14	19.158	2.750	-1.230	1.051	1085.1	1397.1	537.2	81.8	1.060	1.007	0.997	-0.017	1.007	-0.001	0.010	0.57	-0.06
15	19.824	2.750	-1.230	1.052	1086.0	1399.2	538.3	82.2	1.054	1.002	0.998	-0.005	1.001	-0.004	0.008	0.47	-0.24

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	385	3.001	0.00	22	410	0.02	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	-2.750	-2.730	1.052	1086.4	1398.9	538.4	82.1	1.099	1.036	0.998	-0.074	1.036	-0.000	0.001	0.06	-0.01
2	11.833	-2.750	-2.730	1.054	1087.7	1398.0	538.6	82.1	1.049	0.996	0.999	0.007	0.996	-0.008	-0.016	-0.95	-0.44
3	13.166	-2.750	-2.730	1.053	1086.3	1398.4	538.3	81.7	1.062	1.007	0.998	-0.016	1.007	-0.002	-0.021	-1.18	-0.14
4	14.499	-2.750	-2.730	1.047	1081.4	1397.1	535.5	82.0	1.046	0.999	0.999	0.000	0.999	0.003	-0.029	-1.67	0.15
5	15.832	-2.750	-2.730	1.052	1085.7	1397.8	537.8	81.9	1.135	1.063	0.997	-0.129	1.063	-0.002	0.004	0.22	-0.13
6	17.165	-2.750	-2.730	1.047	1081.6	1398.7	536.1	82.2	1.149	1.079	0.997	-0.160	1.078	0.005	0.034	1.79	0.28
7	18.498	-2.750	-2.730	1.048	1083.1	1398.6	536.8	82.2	1.191	1.107	0.989	-0.224	1.106	0.012	0.058	2.99	0.64
8	19.831	-2.750	-2.730	1.048	1083.0	1398.9	536.8	82.2	1.033	0.988	0.999	0.022	0.988	0.006	0.003	0.16	0.35

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	3B6	2.998	0.00	22	411	0.02	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	-2.750	-1.230	1.049	1084.0	1398.1	537.0	82.1	1.079	1.023	0.998	-0.048	1.023	-0.007	-0.003	-0.16	-0.40
2	11.833	-2.750	-1.230	1.052	1086.3	1398.6	538.2	82.3	1.033	0.985	0.999	0.028	0.985	-0.016	-0.029	-1.67	-0.91
3	13.166	-2.750	-1.230	1.051	1084.9	1398.6	537.7	82.0	1.041	0.993	0.998	0.013	0.992	0.001	-0.032	-1.86	0.06
4	14.499	-2.750	-1.230	1.054	1088.0	1398.4	539.0	82.0	1.084	1.023	0.998	-0.049	1.022	0.017	-0.039	-2.18	0.96
5	15.832	-2.750	-1.230	1.051	1085.0	1400.3	538.2	82.2	1.167	1.088	0.992	-0.184	1.088	0.006	0.015	0.80	0.32
6	17.165	-2.750	-1.230	1.050	1084.6	1399.2	537.7	82.1	1.298	1.181	0.983	-0.370	1.175	-0.055	0.112	5.46	-2.66
7	18.498	-2.750	-1.230	1.051	1085.1	1399.4	538.1	82.0	1.032	0.985	0.991	0.018	0.985	0.003	0.012	0.68	0.17
8	19.831	-2.750	-1.230	1.049	1083.4	1398.9	537.1	82.0	1.053	1.003	0.998	-0.010	1.003	0.007	0.010	0.57	0.39

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	392	3.002	2.00	22	401	2.01	2-20-78	TRANSONIC 4T

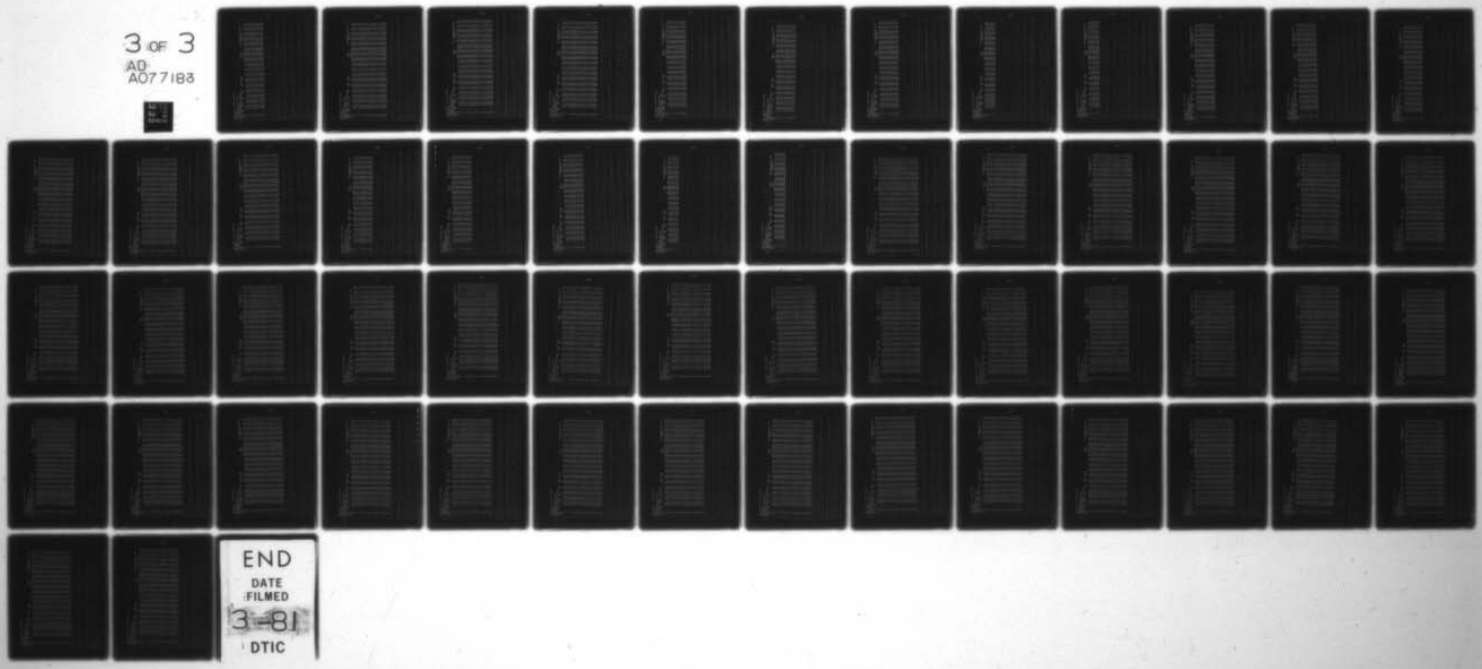
POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AXL	SWL
12	10.500	4.250	-2.730	1.049	1080.3	1387.7	533.0	78.5	1.119	1.053	0.997	-0.109	1.052	0.001	0.040	2.16	0.08
13	11.166	4.250	-2.730	1.050	1081.2	1386.7	533.0	78.6	1.103	1.041	0.998	-0.084	1.040	0.006	0.038	2.10	0.31
14	11.832	4.250	-2.730	1.052	1082.3	1387.8	533.9	78.4	1.040	0.991	0.998	0.016	0.991	0.017	0.024	1.37	1.00
15	12.498	4.250	-2.730	1.048	1079.2	1387.6	532.5	78.4	1.035	0.990	0.999	0.019	0.989	0.021	0.015	0.89	1.19
16	13.164	4.250	-2.730	1.049	1080.0	1386.1	532.3	78.4	1.018	0.975	1.000	0.049	0.975	0.023	0.007	0.44	1.34
17	13.830	4.250	-2.730	1.051	1081.6	1385.6	532.9	78.4	0.987	0.949	0.999	0.100	0.949	0.024	-0.004	-0.21	1.43
19	14.496	4.250	-2.730	1.047	1078.1	1385.6	531.2	78.5	1.019	0.978	1.000	0.044	0.978	0.023	-0.006	-0.33	1.36
20	15.162	4.250	-2.730	1.049	1080.2	1386.1	532.3	78.5	1.065	1.012	0.999	-0.025	1.012	0.019	0.003	0.18	1.07
21	15.828	4.250	-2.730	1.053	1082.9	1385.1	533.2	78.4	1.106	1.041	0.999	-0.084	1.041	0.014	0.018	0.97	0.79
23	16.494	4.250	-2.730	1.051	1081.9	1388.3	534.0	78.4	1.107	1.043	0.997	-0.089	1.042	0.007	0.025	1.35	0.37
24	17.160	4.250	-2.730	1.054	1084.2	1387.0	534.5	78.4	1.132	1.059	0.998	-0.120	1.059	0.003	0.035	1.90	0.16
25	17.826	4.250	-2.730	1.054	1083.8	1387.3	534.4	78.4	1.170	1.087	0.995	-0.179	1.085	-0.010	0.068	3.56	-0.54
26	18.492	4.250	-2.730	1.052	1081.9	1386.8	533.4	78.3	1.166	1.086	0.991	-0.181	1.084	-0.001	0.070	3.69	-0.05
27	19.158	4.250	-2.730	1.051	1081.6	1386.1	533.0	78.5	1.166	1.087	0.993	-0.180	1.085	0.005	0.069	3.62	0.27
28	19.824	4.250	-2.730	1.054	1083.7	1384.7	533.4	78.3	0.991	0.950	0.992	0.089	0.950	0.007	0.025	1.49	0.44

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	393	2.997	2.00	22	402	2.01	2-20-78	TRANSONIC 4T

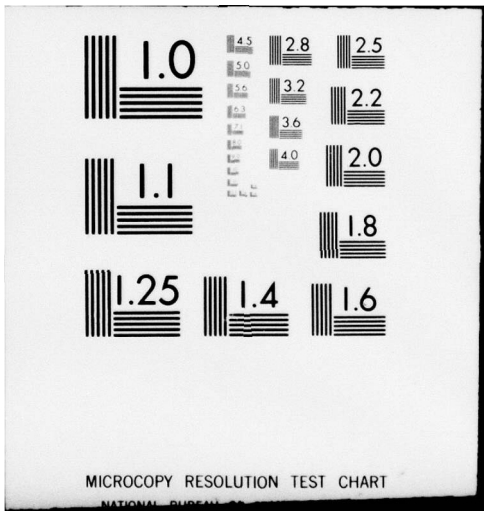
POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	4.250	-1.980	1.050	1060.4	1385.2	532.1	78.4	1.113	1.049	0.999	-0.099	1.048	0.001	0.041	2.24	0.06
2	11.166	4.250	-1.980	1.052	1082.6	1385.5	533.3	78.3	1.077	1.019	0.998	-0.041	1.018	0.011	0.034	1.91	0.61
3	11.832	4.250	-1.980	1.052	1082.6	1386.5	533.6	78.4	1.034	0.986	0.998	0.026	0.985	0.022	0.025	1.45	1.28
4	12.498	4.250	-1.980	1.050	1080.8	1386.7	532.9	78.3	1.031	0.985	0.998	0.028	0.984	0.027	0.016	0.92	1.58
5	13.164	4.250	-1.980	1.050	1080.8	1385.3	532.4	78.3	1.005	0.964	0.998	0.069	0.964	0.029	0.006	0.38	1.73
6	13.830	4.250	-1.980	1.053	1082.9	1384.1	532.8	78.3	0.965	0.930	0.999	0.138	0.930	0.034	-0.010	-0.63	2.09
7	14.496	4.250	-1.980	1.055	1084.5	1386.1	534.3	78.3	1.033	0.983	0.999	0.033	0.982	0.030	-0.012	-0.72	1.73
8	15.162	4.250	-1.980	1.051	1081.7	1384.0	532.3	78.3	1.092	1.032	0.999	-0.064	1.032	0.019	0.004	0.24	1.07
9	15.828	4.250	-1.980	1.055	1084.5	1385.6	534.1	78.3	1.128	1.055	0.998	-0.113	1.055	0.011	0.021	1.13	0.61
10	16.494	4.250	-1.980	1.052	1082.3	1387.5	533.9	78.3	1.113	1.046	0.996	-0.098	1.046	0.008	0.023	1.24	0.41
11	17.160	4.250	-1.980	1.053	1083.4	1385.6	533.6	78.3	1.170	1.088	0.996	-0.180	1.087	-0.011	0.059	3.13	-0.60
12	17.826	4.250	-1.980	1.050	1080.9	1385.7	532.6	78.3	1.189	1.104	0.991	-0.216	1.101	-0.015	0.078	4.04	-0.80
13	18.492	4.250	-1.980	1.049	1079.6	1384.5	531.5	78.3	1.176	1.096	0.994	-0.197	1.093	0.002	0.077	4.05	0.08
14	19.158	4.250	-1.980	1.049	1079.7	1384.0	531.5	78.1	0.992	0.955	0.991	0.078	0.954	0.012	0.027	1.64	0.73
15	19.824	4.250	-1.980	1.050	1080.4	1382.9	531.4	78.1	1.034	0.987	0.998	0.024	0.987	0.009	0.022	1.29	0.51

AD-A077 183 NIELSEN ENGINEERING AND RESEARCH INC MOUNTAIN VIEW CALIF F/G 20/4
DATA REPORT FOR A TEST PROGRAM TO STUDY TRANSONIC FLOW FIELDS A--ETC(U)
MAY 78 S S STAHARA, A J CRISALLI F44620-75-C-0047
UNCLASSIFIED NEAR-TR-163-VOL-2 AFOSR-TR-79-1071 N/L



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DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	394	3.000	2.00	22	403	2.01	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	4.250	-1.230	1.052	1081.3	1383.5	532.2	77.7	1.110	1.045	0.998	-0.093	1.044	0.000	0.041	2.24	0.03
2	11.166	4.250	-1.230	1.052	1081.6	1382.6	531.9	77.7	1.059	1.006	0.998	-0.014	1.005	0.015	0.035	2.02	0.88
3	11.832	4.250	-1.230	1.053	1082.4	1381.4	531.9	77.6	1.029	0.982	0.999	0.036	0.981	0.029	0.030	1.74	1.69
4	12.498	4.250	-1.230	1.047	1077.6	1385.1	531.1	77.7	1.018	0.977	0.999	0.044	0.976	0.037	0.018	1.03	2.15
5	13.164	4.250	-1.230	1.048	1077.9	1382.9	530.5	77.6	0.978	0.944	1.000	0.111	0.943	0.040	0.001	0.03	2.44
6	13.830	4.250	-1.230	1.050	1080.0	1382.2	531.2	77.5	0.931	0.905	0.998	0.189	0.903	0.052	-0.024	-1.50	3.27
7	14.496	4.250	-1.230	1.053	1082.4	1383.0	532.5	77.5	1.044	0.993	0.998	0.012	0.992	0.037	-0.024	-1.41	2.15
8	15.162	4.250	-1.230	1.050	1080.0	1384.1	531.9	77.5	1.095	1.035	0.998	-0.071	1.035	0.014	-0.001	-0.07	0.79
9	15.828	4.250	-1.230	1.053	1082.1	1382.5	532.2	77.5	1.097	1.034	0.996	-0.073	1.034	0.010	0.007	0.39	0.53
10	16.494	4.250	-1.230	1.052	1081.2	1383.6	532.2	77.5	1.157	1.080	0.997	-0.162	1.079	-0.010	0.039	2.05	-0.52
11	17.160	4.250	-1.230	1.050	1079.7	1383.9	531.7	77.4	1.233	1.136	0.990	-0.278	1.130	-0.056	0.100	5.08	-2.86
12	17.826	4.250	-1.230	1.051	1080.9	1383.2	532.0	77.4	1.175	1.093	0.993	-0.191	1.090	-0.005	0.077	4.06	-0.26
13	18.492	4.250	-1.230	1.050	1079.5	1382.0	530.9	77.5	1.112	1.048	0.993	-0.103	1.047	0.012	0.039	2.13	0.66
14	19.158	4.250	-1.230	1.054	1083.0	1382.8	532.8	77.4	1.049	0.996	0.998	0.004	0.996	0.010	0.023	1.31	0.58
15	19.824	4.250	-1.230	1.046	1076.5	1383.0	530.0	77.4	1.038	0.994	0.998	0.010	0.993	0.009	0.024	1.39	0.49

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	395	3.000	2.00	22	404	2.01	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-2.730	1.049	1079.2	1383.1	531.2	77.4	1.117	1.052	0.997	-0.106	1.051	0.003	0.041	2.25	0.17
2	10.833	3.500	-2.730	1.050	1079.5	1382.5	531.2	77.3	1.110	1.046	0.997	-0.095	1.046	0.004	0.039	2.16	0.25
3	11.166	3.500	-2.730	1.051	1080.4	1382.3	531.4	77.4	1.084	1.026	0.998	-0.054	1.025	0.009	0.031	1.73	0.53
4	11.499	3.500	-2.730	1.052	1081.1	1383.1	532.2	77.2	1.043	0.993	0.998	0.012	0.993	0.015	0.024	1.36	0.87
5	11.832	3.500	-2.730	1.052	1081.5	1382.4	532.1	77.1	1.037	0.988	0.998	0.023	0.987	0.018	0.018	1.03	1.03
6	12.165	3.500	-2.730	1.053	1082.3	1381.5	532.1	77.2	1.037	0.987	0.998	0.024	0.987	0.019	0.014	0.80	1.12
7	12.498	3.500	-2.730	1.054	1082.4	1380.9	531.9	77.1	1.034	0.985	0.999	0.029	0.985	0.020	0.010	0.60	1.14
8	12.831	3.500	-2.730	1.049	1078.7	1381.4	530.4	77.2	1.028	0.984	1.000	0.032	0.983	0.019	0.006	0.38	1.11
9	13.164	3.500	-2.730	1.051	1080.2	1381.5	531.1	77.2	1.019	0.975	0.999	0.050	0.974	0.019	0.002	0.10	1.09
10	13.497	3.500	-2.730	1.053	1081.7	1383.4	532.5	77.2	1.000	0.958	0.999	0.082	0.958	0.018	-0.004	-0.25	1.07
11	13.830	3.500	-2.730	1.054	1082.4	1382.4	532.5	77.1	0.990	0.950	0.998	0.098	0.950	0.019	-0.009	-0.54	1.12
12	14.163	3.500	-2.730	1.054	1082.8	1380.2	531.8	77.1	0.997	0.955	0.999	0.089	0.955	0.017	-0.011	-0.65	1.05
13	14.496	3.500	-2.730	1.050	1079.0	1381.8	530.8	77.1	1.026	0.981	0.999	0.036	0.981	0.017	-0.010	-0.56	1.01
14	14.829	3.500	-2.730	1.051	1080.4	1382.7	531.7	77.1	1.054	1.002	0.999	-0.005	1.002	0.017	-0.005	-0.29	0.95
15	15.162	3.500	-2.730	1.053	1081.6	1381.8	531.9	77.1	1.075	1.018	0.999	-0.036	1.017	0.016	0.001	0.08	0.91
16	15.495	3.500	-2.730	1.055	1083.4	1381.2	532.5	77.1	1.098	1.033	0.999	-0.068	1.033	0.015	0.010	0.56	0.84
19	15.828	3.500	-2.730	1.050	1079.5	1382.1	531.1	77.2	1.112	1.048	0.999	-0.097	1.048	0.013	0.019	1.03	0.70
20	16.161	3.500	-2.730	1.053	1081.8	1382.8	532.3	77.2	1.125	1.055	0.997	-0.113	1.055	0.012	0.025	1.36	0.64
21	16.494	3.500	-2.730	1.054	1082.7	1382.9	532.9	77.0	1.121	1.051	0.997	-0.105	1.051	0.010	0.025	1.38	0.56
22	16.827	3.500	-2.730	1.050	1079.5	1380.8	530.6	77.1	1.107	1.044	0.998	-0.090	1.044	0.004	0.028	1.55	0.22
23	17.160	3.500	-2.730	1.052	1080.8	1381.2	531.3	77.1	1.135	1.064	0.998	-0.130	1.063	0.003	0.041	2.19	0.14
24	17.493	3.500	-2.730	1.053	1082.3	1382.6	532.5	77.1	1.163	1.083	0.997	-0.168	1.081	0.002	0.055	2.69	0.10
25	17.826	3.500	-2.730	1.050	1079.3	1381.3	530.7	77.1	1.179	1.097	0.996	-0.197	1.094	-0.003	0.070	3.96	-0.15
26	18.159	3.500	-2.730	1.052	1081.0	1381.8	531.6	77.1	1.184	1.099	0.993	-0.204	1.097	-0.003	0.074	3.88	-0.14
27	18.492	3.500	-2.730	1.052	1081.2	1382.6	532.1	77.0	1.157	1.079	0.991	-0.168	1.077	-0.004	0.064	3.41	-0.24
28	18.825	3.500	-2.730	1.051	1079.9	1383.2	531.7	77.1	1.169	1.089	0.995	-0.183	1.087	-0.001	0.071	3.75	-0.06
29	19.158	3.500	-2.730	1.052	1080.7	1381.7	531.5	77.1	1.137	1.065	0.994	-0.136	1.064	0.008	0.049	2.63	0.44
30	19.491	3.500	-2.730	1.052	1081.3	1381.6	531.7	77.1	1.053	1.001	0.993	-0.010	1.000	0.011	0.029	1.69	0.62

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	401	2.999	2.00	22	405	2.01	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.980	1.050	1082.6	1391.6	534.8	80.1	1.110	1.046	0.999	-0.093	1.045	0.003	0.040	2.18	0.14
2	10.833	3.500	-1.980	1.051	1083.6	1391.7	535.3	80.1	1.092	1.031	0.999	-0.064	1.031	0.008	0.035	1.94	0.44
3	11.166	3.500	-1.980	1.052	1084.3	1391.4	535.4	80.1	1.053	1.001	0.999	-0.002	1.000	0.015	0.028	1.62	0.85
4	11.499	3.500	-1.980	1.051	1083.4	1392.9	535.6	80.2	1.041	0.992	0.999	0.014	0.992	0.020	0.022	1.30	1.13
5	11.832	3.500	-1.980	1.052	1084.5	1393.7	536.4	80.3	1.038	0.989	0.999	0.021	0.988	0.023	0.017	0.97	1.33
6	12.165	3.500	-1.980	1.052	1084.4	1391.2	535.4	80.2	1.035	0.986	1.000	0.027	0.986	0.025	0.013	0.73	1.43
7	12.498	3.500	-1.980	1.053	1085.3	1392.6	536.3	80.3	1.031	0.983	1.000	0.034	0.982	0.025	0.008	0.45	1.47
8	12.831	3.500	-1.980	1.048	1080.3	1391.7	533.8	80.1	1.025	0.982	1.000	0.036	0.982	0.024	0.003	0.16	1.37
9	13.164	3.500	-1.980	1.049	1082.0	1392.2	534.7	80.1	1.009	0.968	0.999	0.064	0.967	0.022	-0.003	-0.19	1.30
10	13.497	3.500	-1.980	1.051	1083.5	1392.9	535.6	80.3	0.977	0.941	1.000	0.117	0.941	0.022	-0.013	-0.79	1.34
11	13.830	3.500	-1.980	1.053	1084.9	1392.7	536.2	80.3	0.968	0.932	0.999	0.135	0.932	0.022	-0.021	-1.31	1.35
12	14.163	3.500	-1.980	1.051	1083.4	1392.5	535.4	80.3	0.993	0.954	1.000	0.092	0.954	0.020	-0.023	-1.37	1.21
13	14.496	3.500	-1.980	1.053	1085.4	1393.8	536.8	80.4	1.046	0.994	1.000	0.011	0.994	0.020	-0.018	-1.05	1.14
17	14.829	3.500	-1.980	1.050	1083.0	1394.0	535.7	80.4	1.080	1.023	1.000	-0.046	1.022	0.018	-0.008	-0.44	0.99
18	15.162	3.500	-1.980	1.048	1081.1	1393.6	534.6	80.7	1.102	1.042	1.000	-0.084	1.042	0.015	0.005	0.27	0.82
19	15.495	3.500	-1.980	1.049	1082.4	1393.3	535.1	80.6	1.124	1.057	0.999	-0.114	1.057	0.013	0.015	0.83	0.72
20	15.828	3.500	-1.980	1.051	1084.0	1393.5	535.9	80.6	1.135	1.064	0.998	-0.129	1.063	0.010	0.024	1.31	0.56
21	16.161	3.500	-1.980	1.053	1085.7	1393.9	536.8	80.6	1.123	1.053	0.997	-0.108	1.053	0.009	0.020	1.11	0.49
23	16.494	3.500	-1.980	1.048	1081.2	1394.4	534.9	80.8	1.114	1.051	0.999	-0.103	1.050	0.002	0.032	1.72	0.10
24	16.827	3.500	-1.980	1.051	1083.6	1393.6	535.7	80.7	1.159	1.082	0.998	-0.165	1.081	0.002	0.049	2.60	0.11
25	17.160	3.500	-1.980	1.052	1085.2	1393.7	536.4	80.9	1.194	1.106	0.996	-0.214	1.104	0.000	0.074	3.82	0.03
26	17.493	3.500	-1.980	1.047	1081.0	1396.1	535.4	81.0	1.199	1.114	0.993	-0.233	1.111	-0.007	0.091	4.70	-0.38
27	17.826	3.500	-1.980	1.051	1084.6	1395.2	536.6	81.2	1.155	1.078	0.990	-0.167	1.077	-0.005	0.059	3.16	-0.26
28	18.159	3.500	-1.980	1.053	1085.9	1395.5	537.3	81.1	1.163	1.083	0.995	-0.170	1.081	-0.005	0.068	3.61	-0.26
29	18.492	3.500	-1.980	1.049	1082.5	1397.2	536.3	81.4	1.155	1.081	0.996	-0.165	1.079	0.002	0.067	3.54	0.08
30	18.825	3.500	-1.980	1.049	1082.9	1395.7	535.9	81.4	1.092	1.033	0.995	-0.072	1.032	0.012	0.036	1.99	0.65
31	19.158	3.500	-1.980	1.051	1084.9	1396.2	537.0	81.4	1.034	0.987	0.994	0.019	0.986	0.012	0.026	1.53	0.70
33	19.491	3.500	-1.980	1.047	1081.3	1395.4	535.0	81.6	1.037	0.992	1.000	0.016	0.992	0.010	0.024	1.36	0.56

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	402	2.998	2.00	22	406	2.02	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.230	1.050	1084.4	1396.4	536.7	81.7	1.107	1.043	0.998	-0.088	1.043	0.004	0.040	2.22	0.23
2	10.833	3.500	-1.230	1.053	1086.7	1398.8	538.7	81.6	1.065	1.009	0.998	-0.021	1.009	0.013	0.035	1.97	0.73
3	11.166	3.500	-1.230	1.052	1085.4	1397.4	537.6	81.6	1.039	0.990	0.999	0.018	0.989	0.021	0.030	1.75	1.21
4	11.499	3.500	-1.230	1.052	1085.8	1395.3	536.9	81.7	1.031	0.983	1.000	0.034	0.983	0.027	0.026	1.50	1.58
5	11.832	3.500	-1.230	1.054	1087.3	1396.4	538.0	81.8	1.024	0.977	1.000	0.046	0.976	0.032	0.021	1.21	1.85
9	12.165	3.500	-1.230	1.049	1083.5	1400.6	537.8	81.9	1.012	0.971	0.999	0.057	0.970	0.035	0.010	0.59	2.07
10	12.498	3.500	-1.230	1.050	1084.3	1399.3	537.6	82.0	1.000	0.961	0.999	0.077	0.960	0.035	0.001	0.07	2.11
11	12.831	3.500	-1.230	1.050	1084.3	1397.7	537.1	82.0	0.997	0.958	1.000	0.084	0.957	0.033	-0.006	-0.36	1.90
12	13.164	3.500	-1.230	1.052	1086.2	1398.8	538.3	82.1	0.999	0.958	1.000	0.083	0.958	0.030	-0.013	-0.77	1.79
13	13.497	3.500	-1.230	1.053	1087.2	1399.2	538.9	82.0	0.926	0.898	0.999	0.203	0.897	0.030	-0.036	-2.31	1.93
14	13.830	3.500	-1.230	1.053	1086.7	1397.7	538.1	81.9	0.924	0.896	1.000	0.208	0.894	0.030	-0.052	-3.33	1.93
15	14.163	3.500	-1.230	1.051	1085.1	1396.4	537.0	81.8	0.988	0.950	1.001	0.101	0.949	0.028	-0.048	-2.90	1.69
16	14.496	3.500	-1.230	1.047	1081.7	1400.5	536.9	82.0	1.070	1.018	0.999	-0.037	1.017	0.023	-0.030	-1.66	1.31
17	14.829	3.500	-1.230	1.050	1084.4	1399.7	537.8	82.0	1.105	1.042	0.999	-0.086	1.042	0.019	-0.009	-0.49	1.02
18	15.162	3.500	-1.230	1.051	1085.5	1399.6	538.3	82.0	1.129	1.059	0.998	-0.121	1.059	0.017	0.009	0.47	0.93
19	15.495	3.500	-1.230	1.053	1087.3	1398.9	538.8	82.1	1.129	1.058	0.996	-0.120	1.058	0.010	0.012	0.67	0.53
20	15.828	3.500	-1.230	1.051	1085.2	1396.8	537.0	82.1	1.107	1.043	0.994	-0.093	1.043	0.007	0.010	0.56	0.39
21	16.161	3.500	-1.230	1.047	1081.9	1397.8	536.0	82.0	1.133	1.066	0.998	-0.133	1.066	0.005	0.030	1.63	0.27
22	16.494	3.500	-1.230	1.052	1086.1	1398.2	537.9	82.2	1.200	1.111	0.997	-0.222	1.108	-0.001	0.080	4.12	-0.06
23	16.827	3.500	-1.230	1.053	1086.9	1398.4	538.4	82.1	1.260	1.153	0.991	-0.309	1.144	-0.014	0.141	7.03	-0.70
24	17.160	3.500	-1.230	1.049	1083.2	1399.5	537.2	82.2	1.139	1.069	0.983	-0.157	1.067	-0.005	0.062	3.31	-0.27
25	17.493	3.500	-1.230	1.050	1084.5	1397.8	537.0	82.3	1.143	1.071	0.995	-0.147	1.069	-0.003	0.065	3.48	-0.18
26	17.826	3.500	-1.230	1.053	1087.4	1399.7	539.0	82.3	1.165	1.084	0.994	-0.174	1.082	-0.000	0.070	3.69	-0.02
27	18.159	3.500	-1.230	1.054	1088.0	1399.6	539.2	82.5	1.168	1.086	0.995	-0.177	1.085	0.005	0.061	3.21	0.28
28	18.492	3.500	-1.230	1.049	1084.2	1400.1	537.7	82.5	1.087	1.029	0.995	-0.065	1.028	0.012	0.039	2.17	0.69
29	18.825	3.500	-1.230	1.052	1086.6	1400.4	538.8	82.7	1.068	1.012	0.997	-0.029	1.012	0.014	0.029	1.62	0.77
30	19.158	3.500	-1.230	1.052	1086.9	1398.7	538.3	82.6	1.068	1.012	1.000	-0.024	1.011	0.012	0.024	1.38	0.69
31	19.491	3.500	-1.230	1.049	1083.6	1401.3	537.9	82.5	1.058	1.007	0.999	-0.016	1.007	0.010	0.026	1.47	0.56

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	403	2.999	2.00	22	407	2.01	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-2.730	1.053	1087.9	1399.6	539.1	82.7	1.103	1.038	0.999	-0.077	1.037	0.003	0.039	2.14	0.19
2	11.166	2.750	-2.730	1.052	1086.7	1399.2	538.4	82.7	1.060	1.006	0.999	-0.014	1.006	0.011	0.025	1.43	0.60
3	11.832	2.750	-2.730	1.053	1087.8	1399.9	539.1	82.7	1.038	0.988	1.000	0.023	0.988	0.015	0.013	0.77	0.88
4	12.498	2.750	-2.730	1.049	1083.9	1398.7	536.9	82.7	1.034	0.989	1.001	0.024	0.989	0.015	0.005	0.29	0.85
5	13.164	2.750	-2.730	1.051	1086.3	1401.0	538.9	82.8	1.028	0.982	1.000	0.037	0.982	0.013	-0.002	-0.09	0.78
6	13.830	2.750	-2.730	1.052	1086.4	1400.5	538.7	82.7	0.993	0.954	1.000	0.093	0.953	0.010	-0.010	-0.62	0.63
7	14.496	2.750	-2.730	1.048	1083.0	1400.8	537.3	82.7	1.025	0.983	0.999	0.034	0.982	0.010	-0.011	-0.62	0.58
8	15.162	2.750	-2.730	1.052	1086.3	1401.2	539.0	82.7	1.076	1.019	0.999	-0.039	1.019	0.011	0.000	0.02	0.63
9	15.828	2.750	-2.730	1.054	1088.4	1400.4	539.6	82.7	1.120	1.050	0.999	-0.101	1.050	0.012	0.018	0.98	0.66
10	16.494	2.750	-2.730	1.047	1082.3	1399.3	536.4	82.7	1.110	1.049	0.999	-0.098	1.049	0.005	0.028	1.54	0.28
11	17.160	2.750	-2.730	1.053	1087.7	1400.9	539.4	82.8	1.145	1.070	0.998	-0.142	1.069	0.006	0.038	2.03	0.31
13	17.826	2.750	-2.730	1.051	1086.0	1400.2	538.3	83.0	1.178	1.096	0.997	-0.194	1.094	0.007	0.071	3.70	0.38
14	18.492	2.750	-2.730	1.053	1087.6	1401.2	539.4	83.0	1.169	1.088	0.991	-0.185	1.086	-0.005	0.060	3.14	-0.27
15	19.158	2.750	-2.730	1.052	1087.2	1402.3	539.7	82.9	1.115	1.048	0.995	-0.102	1.047	0.007	0.041	2.26	0.39
16	19.824	2.750	-2.730	1.051	1086.5	1401.8	539.2	83.0	1.039	0.990	0.999	0.018	0.990	0.008	0.024	1.38	0.45

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	404	2.997	2.00	22	408	2.01	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-1.980	1.046	1081.7	1401.6	537.0	82.9	1.114	1.053	0.998	-0.107	1.052	0.006	0.038	2.09	0.34
2	11.166	2.750	-1.980	1.052	1086.8	1401.4	539.2	82.9	1.044	0.994	0.999	0.012	0.993	0.017	0.022	1.27	0.96
3	11.832	2.750	-1.980	1.052	1086.6	1401.4	539.1	83.0	1.034	0.986	1.000	0.028	0.986	0.021	0.009	0.53	1.23
4	12.498	2.750	-1.980	1.053	1087.7	1401.6	539.6	83.0	1.028	0.981	1.000	0.038	0.981	0.020	0.000	0.03	1.15
5	13.164	2.750	-1.980	1.047	1083.0	1401.5	537.4	83.1	1.011	0.972	1.000	0.056	0.972	0.015	-0.007	-0.42	0.88
6	13.830	2.750	-1.980	1.051	1086.0	1402.8	539.2	83.2	0.971	0.936	1.000	0.127	0.936	0.009	-0.020	-1.23	0.55
7	14.496	2.750	-1.980	1.052	1086.8	1401.4	539.1	83.1	1.042	0.992	1.001	0.016	0.992	0.009	-0.019	-1.09	0.53
8	15.162	2.750	-1.980	1.048	1083.7	1402.0	537.9	83.2	1.103	1.043	0.999	-0.086	1.043	0.012	0.003	0.18	0.69
9	15.828	2.750	-1.980	1.049	1084.6	1402.9	538.7	83.1	1.139	1.069	0.998	-0.139	1.069	0.013	0.024	1.30	0.70
10	16.494	2.750	-1.980	1.053	1088.3	1403.0	540.2	83.4	1.130	1.058	0.997	-0.119	1.058	0.007	0.027	1.44	0.38
11	17.160	2.750	-1.980	1.049	1084.5	1402.8	538.5	83.3	1.182	1.101	0.997	-0.203	1.099	0.013	0.070	3.63	0.68
12	17.826	2.750	-1.990	1.048	1083.7	1403.2	538.3	83.3	1.168	1.091	0.991	-0.190	1.089	-0.003	0.069	3.64	-0.16
13	18.492	2.750	-1.980	1.051	1086.7	1402.5	539.4	83.3	1.150	1.075	0.995	-0.155	1.074	-0.000	0.057	3.04	-0.02
14	19.158	2.750	-1.980	1.048	1084.2	1401.9	538.0	83.3	1.039	0.993	0.998	0.011	0.992	0.011	0.026	1.51	0.66
15	19.824	2.750	-1.980	1.053	1088.4	1402.7	540.1	83.4	1.039	0.989	0.999	0.020	0.989	0.007	0.021	1.21	0.42

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	405	2.999	2.00	22	409	2.01	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-1.230	1.050	1085.4	1403.0	539.0	83.4	1.087	1.029	0.998	-0.059	1.028	0.011	0.037	2.08	0.63
2	11.166	2.750	-1.230	1.052	1087.6	1401.6	539.4	83.3	1.029	0.981	0.999	0.036	0.981	0.026	0.023	1.32	1.51
3	11.832	2.750	-1.230	1.049	1085.2	1401.9	538.5	83.3	1.005	0.965	0.999	0.070	0.964	0.032	0.002	0.14	1.87
4	12.498	2.750	-1.230	1.052	1087.5	1401.2	539.2	83.3	1.005	0.963	0.999	0.074	0.962	0.026	-0.012	-0.71	1.57
7	13.164	2.750	-1.230	1.052	1087.0	1401.8	539.3	83.2	1.014	0.970	1.000	0.059	0.970	0.017	-0.017	-1.02	0.98
8	13.830	2.750	-1.230	1.048	1083.8	1403.2	538.4	83.3	0.932	0.907	0.999	0.186	0.906	-0.005	-0.037	-2.35	-0.30
10	14.496	2.750	-1.230	1.051	1086.2	1400.2	538.2	83.4	1.055	1.004	1.000	-0.007	1.003	0.003	-0.034	-1.97	0.16
11	15.162	2.750	-1.230	1.053	1088.6	1401.8	539.9	83.5	1.134	1.062	0.999	-0.124	1.062	0.011	0.004	0.19	0.60
12	15.828	2.750	-1.230	1.049	1085.2	1403.2	538.9	83.6	1.108	1.045	0.997	-0.094	1.045	0.005	0.006	0.34	0.27
13	16.494	2.750	-1.230	1.054	1089.5	1404.9	541.4	83.5	1.184	1.097	0.996	-0.197	1.096	0.022	0.052	2.73	1.14
14	17.160	2.750	-1.230	1.049	1085.3	1404.4	539.3	83.8	1.243	1.144	0.987	-0.296	1.138	0.036	0.107	5.36	1.82
15	17.826	2.750	-1.230	1.052	1087.6	1402.7	539.6	83.9	1.170	1.089	0.996	-0.182	1.087	0.001	0.066	3.47	0.05
16	18.492	2.750	-1.230	1.049	1085.0	1403.1	538.7	83.5	1.055	1.005	0.995	-0.016	1.004	0.009	0.034	1.96	0.51
19	19.158	2.750	-1.230	1.052	1087.9	1402.9	539.9	83.6	1.068	1.012	0.999	-0.025	1.012	0.010	0.024	1.34	0.57
20	19.824	2.750	-1.230	1.049	1085.0	1402.8	538.6	83.6	1.051	1.002	0.999	-0.005	1.002	0.006	0.025	1.41	0.37

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	406	2.997	2.00	22	410	2.01	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	-2.750	-2.730	1.051	1086.5	1402.8	539.2	83.7	1.106	1.042	0.999	-0.086	1.042	-0.005	0.039	2.14	-0.26
2	11.833	-2.750	-2.730	1.051	1087.1	1403.1	540.3	83.9	1.035	0.988	0.999	0.024	0.987	-0.015	0.012	0.71	-0.88
4	13.166	-2.750	-2.730	1.053	1088.0	1403.2	540.2	83.4	1.026	0.979	1.000	0.042	0.979	-0.014	-0.002	-0.13	-0.79
5	14.499	-2.750	-2.730	1.054	1089.1	1404.5	541.0	83.7	1.028	0.980	0.999	0.038	0.980	-0.010	-0.012	-0.69	-0.56
6	15.832	-2.750	-2.730	1.054	1089.1	1404.2	541.0	83.6	1.118	1.049	0.999	-0.098	1.049	-0.013	0.017	0.95	-0.71
7	17.165	-2.750	-2.730	1.052	1087.8	1403.3	539.9	83.8	1.150	1.075	0.999	-0.150	1.074	-0.006	0.039	2.07	-0.34
8	18.498	-2.750	-2.730	1.049	1085.7	1403.6	539.0	84.0	1.153	1.079	0.991	-0.167	1.077	0.004	0.062	3.29	0.19
9	19.831	-2.750	-2.730	1.047	1083.9	1404.0	538.3	84.1	1.034	0.990	0.999	0.019	0.990	-0.006	0.022	1.30	-0.33

DATE 8-MAR-78 PROJECT NO P41C-N0C

ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	407	3.000	2.00	22	411	2.01	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	-2.750	-1.230	1.050	1086.1	1405.6	540.0	84.0	1.083	1.026	0.998	-0.054	1.025	-0.013	0.037	2.06	-0.72
2	11.833	-2.750	-1.230	1.052	1087.5	1402.3	539.5	83.7	0.987	0.949	1.001	0.104	0.948	-0.031	0.002	0.14	-1.86
3	13.166	-2.750	-1.230	1.050	1085.7	1403.8	539.3	83.7	1.005	0.965	1.000	0.071	0.964	-0.016	-0.018	-1.04	-0.95
4	14.499	-2.750	-1.230	1.049	1085.1	1403.6	538.9	83.8	1.050	1.001	0.999	-0.002	1.000	0.001	-0.032	-1.83	0.06
5	15.832	-2.750	-1.230	1.048	1084.8	1403.9	538.8	83.9	1.113	1.050	0.996	-0.104	1.050	-0.004	0.009	0.50	-0.23
6	17.165	-2.750	-1.230	1.053	1089.0	1400.5	539.4	83.8	1.272	1.160	0.988	-0.325	1.153	-0.064	0.115	5.72	-3.19
7	18.498	-2.750	-1.230	1.047	1083.4	1402.3	537.6	83.9	1.051	1.003	0.997	-0.010	1.003	-0.009	0.033	1.90	-0.51
8	19.831	-2.750	-1.230	1.050	1086.7	1403.9	539.6	84.1	1.054	1.003	0.999	-0.008	1.003	-0.004	0.021	1.21	-0.22

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	412	2.996	5.00	22	401	5.00	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
6	10.500	4.250	-2.730	1.046	1083.1	1405.1	538.4	84.1	1.123	1.059	0.996	-0.123	1.055	0.004	0.095	5.17	0.23
8	11.166	4.250	-2.730	1.049	1085.3	1404.1	539.0	84.2	1.095	1.036	0.998	-0.075	1.032	0.012	0.087	4.83	0.65
9	11.832	4.250	-2.730	1.052	1088.2	1402.9	539.7	84.4	1.006	0.964	0.999	0.071	0.961	0.028	0.071	4.24	1.67
10	12.498	4.250	-2.730	1.054	1090.0	1403.7	540.9	84.2	0.990	0.950	1.000	0.101	0.947	0.035	0.061	3.69	2.14
11	13.164	4.250	-2.730	1.053	1089.0	1403.1	540.2	84.3	0.969	0.933	1.000	0.134	0.931	0.040	0.049	2.99	2.48
15	13.830	4.250	-2.730	1.048	1085.3	1405.5	539.4	84.5	0.955	0.925	1.000	0.149	0.924	0.043	0.036	2.20	2.64
16	14.496	4.250	-2.730	1.052	1088.5	1406.5	541.2	84.4	0.978	0.941	1.000	0.118	0.940	0.042	0.030	1.83	2.54
17	15.162	4.250	-2.730	1.053	1089.4	1404.9	541.1	84.2	1.026	0.979	1.000	0.042	0.977	0.035	0.033	1.91	2.08
18	15.828	4.250	-2.730	1.049	1086.3	1407.2	540.5	84.4	1.007	0.967	0.999	0.065	0.966	0.028	0.036	2.12	1.67
20	16.494	4.250	-2.730	1.050	1086.3	1407.3	540.6	84.4	1.041	0.993	0.999	0.012	0.992	0.023	0.044	2.56	1.33
22	17.160	4.250	-2.730	1.049	1086.1	1406.2	539.9	84.6	1.095	1.036	1.000	-0.071	1.034	0.015	0.065	3.57	0.83
23	17.826	4.250	-2.730	1.054	1090.3	1407.1	542.1	84.7	1.141	1.066	0.997	-0.134	1.062	0.009	0.085	4.57	0.47
24	18.492	4.250	-2.730	1.050	1087.4	1404.7	539.9	84.8	1.120	1.054	0.999	-0.108	1.050	0.022	0.085	4.62	1.18
25	19.158	4.250	-2.730	1.052	1088.4	1406.1	540.8	84.8	1.138	1.066	0.997	-0.134	1.061	0.029	0.092	4.94	1.58
26	19.824	4.250	-2.730	1.052	1088.5	1406.2	541.0	84.6	1.063	1.008	0.998	-0.019	1.006	0.031	0.065	3.72	1.75

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	413	2.994	5.00	22	402	5.00	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	4.250	-1.980	1.051	1087.5	1404.2	539.9	84.5	1.119	1.052	0.998	-0.106	1.048	0.003	0.097	5.29	0.19
2	11.166	4.250	-1.980	1.054	1090.1	1405.9	541.7	84.5	1.042	0.991	0.997	0.015	0.987	0.021	0.084	4.87	1.21
3	11.832	4.250	-1.980	1.048	1085.7	1405.1	539.3	84.7	0.993	0.956	0.998	0.085	0.953	0.035	0.073	4.35	2.08
4	12.498	4.250	-1.980	1.052	1088.5	1406.4	541.1	84.6	0.971	0.935	0.998	0.127	0.932	0.045	0.061	3.75	2.78
5	13.164	4.250	-1.980	1.054	1090.0	1406.1	541.6	84.6	0.943	0.912	1.000	0.176	0.909	0.053	0.044	2.74	3.34
6	13.830	4.250	-1.980	1.047	1084.6	1405.9	539.2	84.5	0.930	0.905	0.999	0.189	0.903	0.056	0.025	1.58	3.54
7	14.496	4.250	-1.980	1.052	1088.7	1407.0	541.4	84.6	0.974	0.938	0.998	0.122	0.936	0.051	0.020	1.25	3.11
8	15.162	4.250	-1.980	1.054	1090.5	1406.7	542.1	84.7	1.031	0.982	0.999	0.035	0.981	0.039	0.026	1.52	2.29
9	15.828	4.250	-1.980	1.048	1085.1	1405.4	539.2	84.7	1.007	0.968	0.999	0.063	0.967	0.030	0.030	1.76	1.78
10	16.494	4.250	-1.980	1.052	1088.6	1406.1	541.0	84.7	1.077	1.019	0.999	-0.039	1.018	0.018	0.046	2.61	1.01
11	17.160	4.250	-1.980	1.049	1085.6	1406.2	539.7	84.5	1.138	1.068	0.998	-0.137	1.065	0.004	0.082	4.39	0.24
12	17.826	4.250	-1.980	1.050	1087.3	1405.6	540.2	84.7	1.099	1.038	0.995	-0.081	1.035	0.018	0.078	4.29	1.02
14	18.492	4.250	-1.980	1.050	1087.0	1405.5	540.1	84.6	1.136	1.066	0.997	-0.134	1.061	0.027	0.090	4.87	1.46
15	19.158	4.250	-1.980	1.049	1086.2	1405.4	539.7	84.7	1.053	1.003	0.996	-0.011	1.000	0.036	0.063	3.61	2.06
17	19.824	4.250	-1.980	1.054	1090.6	1406.3	541.8	85.0	1.063	1.007	0.999	-0.016	1.005	0.033	0.058	3.30	1.87

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	414	3.000	5.00	22	403	5.00	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	4.250	-1.230	1.053	1089.5	1406.3	541.5	84.5	1.116	1.048	0.997	-0.099	1.044	0.004	0.097	5.28	0.20
2	11.166	4.250	-1.230	1.050	1086.7	1406.1	540.2	84.6	1.032	0.986	0.998	0.026	0.982	0.025	0.087	5.08	1.49
3	11.832	4.250	-1.230	1.052	1088.9	1406.5	541.4	84.5	0.988	0.949	0.999	0.100	0.945	0.042	0.078	4.73	2.56
4	12.498	4.250	-1.230	1.054	1089.9	1406.5	541.8	84.6	0.943	0.912	0.999	0.175	0.908	0.058	0.061	3.81	3.66
5	13.164	4.250	-1.230	1.048	1085.1	1408.0	540.2	84.6	0.904	0.883	0.998	0.232	0.879	0.074	0.037	2.40	4.81
7	13.830	4.250	-1.230	1.051	1087.7	1407.1	541.1	84.5	0.906	0.883	0.999	0.234	0.879	0.080	0.008	0.53	5.21
8	14.496	4.250	-1.230	1.054	1090.2	1406.0	541.6	84.7	0.976	0.939	1.000	0.122	0.937	0.062	0.005	0.32	3.79
9	15.162	4.250	-1.230	1.048	1085.3	1406.1	539.5	84.7	1.006	0.967	1.000	0.065	0.966	0.040	0.014	0.86	2.34
10	15.828	4.250	-1.230	1.051	1088.0	1407.2	541.1	84.8	1.017	0.973	0.999	0.052	0.973	0.028	0.021	1.24	1.65
11	16.494	4.250	-1.230	1.053	1089.5	1407.1	541.8	84.6	1.130	1.058	0.999	-0.117	1.057	0.000	0.058	3.17	0.01
12	17.160	4.250	-1.230	1.052	1089.2	1406.6	541.4	84.8	1.136	1.064	0.994	-0.134	1.061	0.001	0.075	4.05	0.07
14	17.826	4.250	-1.230	1.049	1086.1	1405.1	539.5	84.6	1.122	1.056	0.998	-0.114	1.053	0.021	0.082	4.47	1.17
15	18.492	4.250	-1.230	1.054	1090.7	1405.2	541.5	84.8	1.118	1.049	0.995	-0.104	1.046	0.036	0.075	4.10	1.96
17	19.158	4.250	-1.230	1.049	1086.3	1403.7	539.0	84.7	1.059	1.008	0.999	-0.017	1.005	0.036	0.056	3.21	2.08
18	19.824	4.250	-1.230	1.054	1090.6	1405.8	541.7	84.8	1.063	1.007	0.998	-0.016	1.005	0.034	0.053	2.99	1.93

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	415	2.997	5.00	22	404	5.00	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-2.730	1.052	1088.9	1405.2	540.8	84.6	1.116	1.048	0.997	-0.100	1.044	0.006	0.094	5.16	0.34
2	10.833	3.500	-2.730	1.052	1088.2	1404.7	540.4	84.5	1.099	1.037	0.998	-0.075	1.032	0.010	0.092	5.12	0.57
3	11.166	3.500	-2.730	1.051	1087.9	1404.0	539.9	84.6	1.050	0.999	0.999	-0.000	0.996	0.018	0.079	4.54	1.05
4	11.499	3.500	-2.730	1.054	1090.4	1407.6	542.4	84.5	1.006	0.962	0.997	0.071	0.959	0.025	0.071	4.25	1.48
5	11.832	3.500	-2.730	1.049	1085.6	1408.4	540.6	84.5	0.996	0.958	0.998	0.081	0.956	0.029	0.062	3.72	1.72
6	12.165	3.500	-2.730	1.051	1087.9	1406.8	540.9	84.7	0.990	0.952	0.999	0.095	0.949	0.032	0.057	3.46	1.92
7	12.498	3.500	-2.730	1.051	1088.3	1405.7	540.7	84.8	0.980	0.943	0.999	0.113	0.941	0.034	0.052	3.14	2.07
8	12.831	3.500	-2.730	1.053	1089.7	1407.3	541.9	84.7	0.971	0.935	0.999	0.129	0.933	0.035	0.045	2.78	2.16
9	13.164	3.500	-2.730	1.053	1089.5	1407.0	541.7	84.7	0.963	0.929	0.999	0.142	0.927	0.036	0.039	2.38	2.22
10	13.497	3.500	-2.730	1.047	1084.8	1406.8	539.5	84.7	0.948	0.921	0.999	0.158	0.919	0.035	0.031	1.96	2.20
11	13.830	3.500	-2.730	1.047	1084.2	1405.5	538.8	84.7	0.947	0.920	1.000	0.160	0.919	0.035	0.025	1.59	2.19
12	14.163	3.500	-2.730	1.050	1086.7	1405.4	539.9	84.6	0.957	0.926	1.000	0.149	0.925	0.035	0.022	1.34	2.18
13	14.496	3.500	-2.730	1.051	1087.8	1405.3	540.4	84.5	0.977	0.941	1.000	0.118	0.940	0.034	0.021	1.31	2.07
14	14.829	3.500	-2.730	1.053	1089.2	1405.4	541.1	84.5	1.006	0.963	0.999	0.072	0.963	0.032	0.024	1.43	1.93
17	15.162	3.500	-2.730	1.053	1089.8	1407.6	542.0	84.8	1.031	0.983	0.998	0.032	0.982	0.029	0.027	1.59	1.69
19	15.495	3.500	-2.730	1.054	1090.6	1406.5	542.0	84.8	1.034	0.984	0.998	0.029	0.983	0.026	0.030	1.74	1.53
20	15.828	3.500	-2.730	1.046	1083.6	1405.9	538.7	84.7	1.004	0.967	1.000	0.066	0.966	0.024	0.031	1.86	1.42
21	16.161	3.500	-2.730	1.051	1088.2	1405.5	540.6	84.7	1.032	0.984	0.999	0.029	0.984	0.020	0.036	2.10	1.17
22	16.494	3.500	-2.730	1.054	1090.8	1405.7	541.8	84.7	1.054	1.000	0.999	-0.001	0.999	0.017	0.042	2.42	0.99
23	16.827	3.500	-2.730	1.054	1090.8	1405.5	541.7	84.8	1.081	1.021	0.999	-0.042	1.019	0.017	0.050	2.83	0.93
24	17.160	3.500	-2.730	1.049	1086.3	1406.8	540.2	84.7	1.097	1.037	0.999	-0.076	1.035	0.017	0.068	3.74	0.96
25	17.493	3.500	-2.730	1.051	1088.2	1404.1	540.0	84.7	1.131	1.061	0.999	-0.122	1.057	0.015	0.081	4.39	0.81
26	17.826	3.500	-2.730	1.055	1090.9	1406.7	542.2	84.7	1.137	1.063	0.996	-0.129	1.060	0.013	0.083	4.46	0.69
27	18.159	3.500	-2.730	1.048	1085.6	1406.3	539.7	84.7	1.097	1.037	0.997	-0.078	1.034	0.017	0.078	4.34	0.93
28	18.492	3.500	-2.730	1.053	1089.6	1407.4	541.8	84.9	1.115	1.048	0.998	-0.097	1.045	0.018	0.080	4.40	1.00
29	18.825	3.500	-2.730	1.055	1091.3	1408.0	542.8	84.9	1.127	1.055	0.997	-0.112	1.051	0.021	0.085	4.63	1.12
30	19.158	3.500	-2.730	1.051	1088.0	1408.4	541.4	85.1	1.102	1.040	0.997	-0.083	1.037	0.027	0.074	4.09	1.49
31	19.491	3.500	-2.730	1.053	1090.0	1407.5	542.0	85.1	1.088	1.027	0.997	-0.057	1.024	0.028	0.071	3.97	1.55

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	418	2.998	5.00	22	405	5.00	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.980	1.052	1088.8	1406.0	541.0	84.7	1.111	1.045	0.998	-0.092	1.041	0.008	0.095	5.22	0.45
2	10.833	3.500	-1.980	1.049	1086.3	1406.6	540.2	84.7	1.093	1.034	0.997	-0.071	1.029	0.016	0.091	5.06	0.91
3	11.166	3.500	-1.980	1.051	1088.0	1408.7	541.8	84.5	1.032	0.985	0.996	0.025	0.982	0.026	0.079	4.60	1.52
4	11.499	3.500	-1.980	1.053	1089.1	1407.7	541.9	84.6	1.000	0.959	0.998	0.080	0.955	0.033	0.072	4.31	1.98
5	11.832	3.500	-1.980	1.053	1089.2	1405.5	541.0	84.6	0.981	0.943	0.999	0.113	0.940	0.039	0.065	3.97	2.35
6	12.165	3.500	-1.980	1.051	1087.7	1404.9	540.1	84.7	0.968	0.934	1.000	0.132	0.932	0.043	0.057	3.47	2.63
7	12.498	3.500	-1.980	1.054	1090.0	1407.9	542.3	84.6	0.957	0.923	0.998	0.151	0.920	0.045	0.049	3.04	2.81
8	12.831	3.500	-1.980	1.050	1086.9	1405.7	540.1	84.6	0.946	0.917	0.999	0.165	0.915	0.046	0.040	2.49	2.91
9	13.164	3.500	-1.980	1.050	1086.7	1406.8	540.4	84.8	0.933	0.907	0.999	0.185	0.905	0.046	0.029	1.81	2.88
10	13.497	3.500	-1.980	1.050	1086.9	1405.2	539.8	84.8	0.927	0.901	1.000	0.198	0.900	0.045	0.019	1.22	2.85
11	13.830	3.500	-1.980	1.051	1088.3	1407.1	541.2	84.7	0.928	0.901	0.999	0.197	0.900	0.044	0.010	0.62	2.79
12	14.163	3.500	-1.980	1.052	1089.0	1404.6	540.5	84.8	0.945	0.914	1.001	0.173	0.913	0.043	0.006	0.37	2.72
13	14.496	3.500	-1.980	1.053	1089.4	1406.7	541.5	84.8	0.981	0.943	1.000	0.114	0.942	0.041	0.010	0.58	2.49
14	14.829	3.500	-1.980	1.051	1088.3	1405.9	540.8	84.7	1.021	0.976	0.998	0.045	0.976	0.037	0.016	0.95	2.20
15	15.162	3.500	-1.980	1.053	1089.1	1404.3	540.5	84.6	1.032	0.984	1.000	0.032	0.983	0.034	0.021	1.22	1.98
16	15.495	3.500	-1.980	1.054	1089.9	1405.2	541.3	84.5	1.032	0.983	1.000	0.033	0.983	0.029	0.024	1.40	1.71
18	15.828	3.500	-1.980	1.046	1083.9	1405.1	538.5	84.7	1.011	0.972	1.000	0.056	0.971	0.027	0.026	1.54	1.57
19	16.161	3.500	-1.980	1.049	1086.3	1405.7	539.8	84.7	1.041	0.994	1.000	0.012	0.993	0.023	0.035	2.00	1.32
20	16.494	3.500	-1.980	1.052	1088.8	1407.3	541.5	84.7	1.088	1.028	0.999	-0.057	1.026	0.019	0.050	2.79	1.04
21	16.827	3.500	-1.980	1.054	1090.1	1407.3	542.1	84.7	1.127	1.056	0.999	-0.113	1.054	0.018	0.070	3.79	0.95
22	17.160	3.500	-1.980	1.050	1087.4	1405.8	540.3	84.7	1.157	1.081	0.998	-0.162	1.077	0.015	0.092	4.90	0.78
23	17.493	3.500	-1.980	1.050	1087.2	1405.5	540.1	84.7	1.116	1.050	0.996	-0.105	1.048	0.014	0.074	4.02	0.79
24	17.826	3.500	-1.980	1.053	1089.3	1405.3	541.0	84.7	1.106	1.041	0.994	-0.088	1.038	0.014	0.074	4.06	0.77
25	18.159	3.500	-1.980	1.054	1090.6	1405.5	541.6	84.8	1.125	1.054	0.998	-0.110	1.051	0.016	0.079	4.28	0.88
26	18.492	3.500	-1.980	1.051	1088.4	1407.3	541.3	84.8	1.115	1.049	0.998	-0.100	1.046	0.026	0.079	4.31	1.41
27	18.825	3.500	-1.980	1.053	1089.9	1406.0	541.3	85.1	1.097	1.034	0.998	-0.071	1.031	0.032	0.071	3.92	1.75
28	19.158	3.500	-1.980	1.050	1087.2	1406.1	540.3	84.9	1.064	1.011	0.997	-0.025	1.009	0.031	0.061	3.44	1.79
29	19.491	3.500	-1.980	1.052	1089.0	1405.4	540.8	84.9	1.063	1.008	0.999	-0.018	1.006	0.030	0.057	3.27	1.68

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	419	2.999	5.00	22	406	5.00	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-1.230	1.052	1088.7	1406.7	541.2	84.7	1.101	1.037	0.998	-0.077	1.033	0.011	0.096	5.30	0.62
3	10.833	3.500	-1.230	1.050	1086.7	1407.7	540.7	84.7	1.056	1.005	0.997	-0.014	1.001	0.023	0.090	5.14	1.33
4	11.166	3.500	-1.230	1.050	1087.1	1406.4	540.3	84.9	1.009	0.968	0.998	0.062	0.964	0.033	0.082	4.86	1.97
5	11.499	3.500	-1.230	1.051	1088.3	1407.2	541.2	84.9	0.981	0.945	0.999	0.109	0.941	0.043	0.074	4.48	2.59
6	11.832	3.500	-1.230	1.053	1089.6	1408.3	542.2	84.9	0.955	0.922	0.999	0.154	0.918	0.054	0.068	4.24	3.39
7	12.165	3.500	-1.230	1.051	1088.1	1407.4	541.2	84.8	0.936	0.907	0.999	0.184	0.904	0.062	0.055	3.50	3.90
8	12.498	3.500	-1.230	1.052	1088.7	1407.0	541.4	84.7	0.922	0.895	0.999	0.209	0.892	0.065	0.042	2.69	4.15
9	12.831	3.500	-1.230	1.054	1090.2	1407.8	542.4	84.7	0.913	0.887	0.999	0.224	0.884	0.064	0.028	1.83	4.11
11	13.164	3.500	-1.230	1.049	1086.2	1405.2	539.5	84.9	0.902	0.881	1.000	0.237	0.879	0.059	0.013	0.84	3.82
12	13.497	3.500	-1.230	1.050	1087.4	1407.1	540.8	84.7	0.883	0.864	0.999	0.271	0.861	0.060	-0.013	-0.85	3.96
13	13.830	3.500	-1.230	1.052	1088.5	1406.2	541.0	84.6	0.896	0.874	0.999	0.251	0.871	0.060	-0.026	-1.69	3.95
14	14.163	3.500	-1.230	1.054	1090.3	1406.8	542.0	84.7	0.939	0.908	0.998	0.181	0.906	0.059	-0.021	-1.31	3.74
15	14.496	3.500	-1.230	1.054	1090.1	1406.7	541.9	84.7	1.018	0.972	0.999	0.053	0.971	0.056	-0.006	-0.35	3.32
16	14.829	3.500	-1.230	1.048	1085.7	1404.8	539.2	84.7	1.038	0.992	0.999	0.015	0.991	0.049	0.007	0.41	2.82
17	15.162	3.500	-1.230	1.051	1087.4	1404.3	539.8	84.6	1.025	0.980	0.999	0.039	0.979	0.043	0.013	0.74	2.54
18	15.495	3.500	-1.230	1.052	1088.6	1404.1	540.2	84.7	1.021	0.976	1.000	0.049	0.975	0.037	0.018	1.07	2.19
19	15.828	3.500	-1.230	1.055	1090.9	1404.7	541.4	84.7	1.028	0.979	0.999	0.041	0.978	0.032	0.022	1.28	1.85
20	16.161	3.500	-1.230	1.048	1085.5	1406.8	539.9	84.7	1.091	1.033	0.998	-0.068	1.032	0.028	0.049	2.70	1.53
21	16.494	3.500	-1.230	1.049	1086.1	1404.7	539.2	84.9	1.157	1.082	0.998	-0.165	1.077	0.020	0.104	5.50	1.05
22	16.827	3.500	-1.230	1.052	1089.1	1407.0	541.5	84.9	1.160	1.081	0.994	-0.169	1.076	0.017	0.105	5.59	0.90
23	17.160	3.500	-1.230	1.055	1091.2	1409.2	543.2	84.9	1.089	1.027	0.987	-0.069	1.024	0.017	0.074	4.15	0.97
24	17.493	3.500	-1.230	1.051	1087.6	1407.5	541.0	84.8	1.098	1.037	0.998	-0.076	1.034	0.020	0.074	4.07	1.10
25	17.826	3.500	-1.230	1.052	1089.2	1405.7	541.0	84.9	1.121	1.052	0.999	-0.106	1.049	0.021	0.077	4.19	1.14
26	18.159	3.500	-1.230	1.055	1091.1	1407.3	542.4	84.9	1.131	1.058	0.997	-0.119	1.055	0.025	0.079	4.30	1.37
27	18.492	3.500	-1.230	1.049	1086.2	1406.8	540.1	84.8	1.087	1.030	0.997	-0.063	1.027	0.036	0.071	3.97	2.02
28	18.825	3.500	-1.230	1.050	1087.3	1405.8	540.2	84.8	1.072	1.017	0.998	-0.036	1.014	0.036	0.062	3.51	2.05
29	19.158	3.500	-1.230	1.053	1089.4	1406.8	541.6	84.8	1.076	1.018	0.999	-0.037	1.016	0.035	0.058	3.25	1.95
30	19.491	3.500	-1.230	1.049	1086.5	1406.1	540.0	84.8	1.065	1.012	1.000	-0.025	1.010	0.033	0.053	2.99	1.85

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	420	2.996	5.00	22	407	5.00	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-2.730	1.053	1089.3	1404.9	540.8	84.7	1.110	1.044	0.997	-0.091	1.040	0.010	0.092	5.03	0.54
2	11.166	2.750	-2.730	1.048	1085.2	1405.6	539.3	84.7	1.049	1.001	0.998	-0.005	0.998	0.020	0.072	4.12	1.18
3	11.832	2.750	-2.730	1.050	1087.2	1406.9	540.6	84.8	0.995	0.957	0.999	0.086	0.955	0.028	0.056	3.35	1.67
4	12.498	2.750	-2.730	1.052	1089.2	1407.3	541.7	84.8	0.976	0.939	0.999	0.121	0.938	0.030	0.044	2.68	1.85
5	13.164	2.750	-2.730	1.052	1088.9	1405.0	540.7	84.7	0.961	0.927	1.000	0.147	0.926	0.030	0.032	1.99	1.83
6	13.830	2.750	-2.730	1.047	1084.7	1405.0	538.8	84.7	0.949	0.921	1.000	0.159	0.920	0.026	0.021	1.28	1.64
7	14.496	2.750	-2.730	1.050	1086.6	1405.6	539.9	84.7	0.975	0.941	1.000	0.118	0.941	0.026	0.017	1.04	1.57
8	15.162	2.750	-2.730	1.052	1089.2	1405.5	541.0	84.8	1.034	0.985	1.000	0.030	0.985	0.024	0.024	1.41	1.38
9	15.828	2.750	-2.730	1.050	1087.6	1405.5	540.2	84.9	1.025	0.980	1.000	0.039	0.980	0.020	0.031	1.79	1.14
11	16.494	2.750	-2.730	1.048	1085.7	1407.3	540.0	85.0	1.042	0.996	0.999	0.008	0.995	0.018	0.041	2.35	1.04
12	17.160	2.750	-2.730	1.054	1090.2	1408.4	542.5	84.9	1.108	1.042	0.999	-0.084	1.040	0.017	0.060	3.29	0.94
15	17.826	2.750	-2.730	1.052	1088.9	1409.3	542.1	85.2	1.128	1.058	0.997	-0.119	1.055	0.021	0.083	4.49	1.16
19	18.492	2.750	-2.730	1.049	1086.3	1407.1	540.2	84.9	1.104	1.042	0.999	-0.086	1.039	0.016	0.074	4.08	0.80
20	19.158	2.750	-2.730	1.054	1090.6	1407.5	542.3	85.0	1.099	1.035	0.998	-0.072	1.032	0.022	0.072	4.02	1.25
21	19.824	2.750	-2.730	1.053	1089.7	1409.2	542.5	85.0	1.067	1.011	0.998	-0.025	1.009	0.022	0.059	3.34	1.27

DATE 6-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	421	3.000	5.00	22	408	5.00	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-1.980	1.052	1089.1	1407.6	541.7	84.9	1.099	1.036	0.997	-0.075	1.032	0.015	0.091	5.05	0.85
2	11.166	2.750	-1.980	1.054	1090.3	1407.3	542.2	84.7	0.995	0.954	0.998	0.089	0.951	0.030	0.070	4.23	1.83
3	11.832	2.750	-1.980	1.050	1087.2	1406.6	540.6	84.7	0.970	0.936	0.999	0.127	0.934	0.038	0.052	3.21	2.33
4	12.498	2.750	-1.980	1.052	1088.5	1405.2	540.6	84.7	0.951	0.919	1.000	0.162	0.918	0.039	0.036	2.24	2.45
5	13.164	2.750	-1.980	1.053	1089.7	1406.2	541.4	85.0	0.940	0.910	1.000	0.179	0.909	0.035	0.021	1.34	2.19
6	13.830	2.750	-1.980	1.049	1086.3	1405.5	539.6	85.0	0.929	0.904	0.999	0.192	0.903	0.027	0.005	0.31	1.74
7	14.496	2.750	-1.980	1.053	1089.6	1407.6	541.8	85.1	0.979	0.942	0.999	0.116	0.941	0.027	0.003	0.20	1.64
8	15.162	2.750	-1.980	1.049	1086.3	1408.4	540.7	85.0	1.025	0.981	0.998	0.035	0.981	0.026	0.017	0.96	1.50
11	15.828	2.750	-1.980	1.049	1086.7	1405.1	539.6	84.9	1.018	0.975	1.000	0.049	0.975	0.021	0.023	1.37	1.24
12	16.494	2.750	-1.980	1.054	1090.4	1405.8	541.5	85.1	1.085	1.025	0.999	-0.051	1.024	0.019	0.044	2.45	1.08
13	17.160	2.750	-1.980	1.049	1086.7	1406.1	539.8	85.3	1.144	1.073	0.998	-0.147	1.069	0.031	0.088	4.68	1.09
15	17.826	2.750	-1.980	1.048	1086.0	1407.0	539.9	85.2	1.084	1.028	0.995	-0.061	1.025	0.017	0.072	4.00	0.94
16	18.492	2.750	-1.980	1.053	1090.2	1407.4	541.9	85.4	1.095	1.032	0.997	-0.068	1.030	0.023	0.070	3.89	1.26
17	19.158	2.750	-1.980	1.053	1090.2	1405.3	541.1	85.2	1.077	1.018	0.998	-0.039	1.016	0.026	0.059	3.34	1.47
19	19.824	2.750	-1.980	1.050	1087.1	1406.7	540.4	85.0	1.044	0.995	0.999	0.008	0.994	0.025	0.050	2.89	1.46

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	422	3.002	5.00	22	409	5.00	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-1.230	1.053	1090.0	1408.1	542.3	84.8	1.074	1.016	0.997	-0.035	1.011	0.022	0.093	5.23	1.25
2	11.166	2.750	-1.230	1.053	1089.4	1407.3	541.7	84.8	0.971	0.935	0.998	0.128	0.931	0.044	0.074	4.52	2.69
3	11.832	2.750	-1.230	1.052	1088.7	1406.0	541.0	84.7	0.930	0.902	0.999	0.194	0.900	0.056	0.045	2.87	3.54
4	12.498	2.750	-1.230	1.053	1089.5	1405.2	541.0	84.7	0.920	0.893	1.000	0.214	0.891	0.052	0.021	1.34	3.31
6	13.164	2.750	-1.230	1.048	1085.6	1405.7	539.5	84.7	0.914	0.891	0.999	0.216	0.890	0.038	0.004	0.28	2.45
7	13.830	2.750	-1.230	1.052	1088.6	1405.4	540.6	84.9	0.900	0.877	0.999	0.244	0.877	0.017	-0.022	-1.41	1.08
8	14.496	2.750	-1.230	1.053	1089.9	1406.2	541.6	84.7	0.986	0.947	0.999	0.104	0.947	0.023	-0.023	-1.37	1.37
9	15.162	2.750	-1.230	1.048	1085.7	1404.4	539.0	84.8	1.028	0.984	1.000	0.032	0.983	0.024	-0.001	-0.07	1.40
10	15.828	2.750	-1.230	1.052	1089.0	1403.9	540.2	84.9	1.011	0.968	0.998	0.062	0.968	0.019	0.011	0.67	1.15
14	16.494	2.750	-1.230	1.049	1086.7	1407.6	540.6	84.9	1.141	1.070	0.998	-0.141	1.067	0.040	0.069	3.68	2.12
16	17.160	2.750	-1.230	1.054	1090.7	1408.2	542.7	84.8	1.128	1.056	0.990	-0.123	1.054	0.016	0.069	3.74	0.86
17	17.826	2.750	-1.230	1.050	1087.4	1406.1	540.3	85.0	1.080	1.023	0.997	-0.049	1.021	0.019	0.066	3.72	1.06
18	18.492	2.750	-1.230	1.055	1091.2	1408.3	542.9	84.9	1.067	1.009	0.996	-0.024	1.007	0.027	0.062	3.52	1.55
19	19.158	2.750	-1.230	1.050	1086.8	1406.9	540.4	84.8	1.067	1.014	0.998	-0.029	1.012	0.027	0.053	3.02	1.53
21	19.824	2.750	-1.230	1.049	1086.4	1408.1	540.7	84.9	1.054	1.004	0.998	-0.009	1.002	0.025	0.047	2.71	1.44

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	423	2.995	5.00	22	410	5.00	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	-2.750	-2.730	1.049	1085.9	1405.9	539.7	84.7	1.113	1.050	0.998	-0.102	1.046	-0.012	0.092	5.01	-0.63
2	11.833	-2.750	-2.730	1.053	1089.5	1405.6	541.0	85.1	0.982	0.944	0.999	0.111	0.942	-0.028	0.056	3.39	-1.70
4	13.166	-2.750	-2.730	1.050	1086.8	1405.9	540.0	84.8	0.953	0.923	0.999	0.154	0.922	-0.028	0.031	1.90	-1.76
5	14.499	-2.750	-2.730	1.054	1090.5	1406.5	541.9	84.8	0.975	0.937	0.999	0.125	0.937	-0.024	0.016	0.99	-1.47
6	15.832	-2.750	-2.730	1.052	1089.2	1405.7	540.9	85.0	1.026	0.979	0.999	0.040	0.979	-0.019	0.030	1.75	-1.12
7	17.165	-2.750	-2.730	1.051	1088.0	1405.3	540.2	85.1	1.099	1.037	0.999	-0.076	1.035	-0.020	0.062	3.42	-1.09
8	18.498	-2.750	-2.730	1.051	1088.5	1405.4	540.5	85.1	1.095	1.034	0.998	-0.070	1.032	-0.017	0.071	3.91	-0.93
9	19.831	-2.750	-2.730	1.050	1087.4	1405.6	540.1	85.1	1.056	1.005	0.999	-0.011	1.003	-0.022	0.055	3.13	-1.26

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	424	2.998	5.00	22	411	5.00	2-20-78	TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	-2.750	-1.230	1.050	1087.6	1408.5	541.2	85.2	1.066	1.013	0.996	-0.030	1.008	-0.024	0.094	5.35	-1.39
2	11.833	-2.750	-1.230	1.051	1088.2	1405.6	540.4	85.1	0.921	0.895	1.000	0.209	0.893	-0.055	0.042	2.68	-3.55
3	13.166	-2.750	-1.230	1.050	1087.2	1407.8	540.8	85.1	0.913	0.890	0.999	0.220	0.889	-0.035	0.003	0.21	-2.23
4	14.499	-2.750	-1.230	1.053	1090.1	1406.3	541.5	85.1	0.977	0.939	1.000	0.121	0.939	-0.018	-0.020	-1.22	-1.07
5	15.832	-2.750	-1.230	1.048	1085.4	1407.1	539.7	85.1	1.017	0.976	0.999	0.047	0.976	-0.018	0.013	0.75	-1.04
6	17.165	-2.750	-1.230	1.049	1086.8	1406.8	540.2	85.3	1.116	1.052	0.993	-0.111	1.049	-0.019	0.069	3.78	-1.02
7	18.498	-2.750	-1.230	1.049	1086.8	1407.3	540.5	85.0	1.067	1.014	0.998	-0.030	1.012	-0.026	0.060	3.41	-1.44
9	19.831	-2.750	-1.230	1.049	1086.7	1406.4	540.0	85.2	1.052	1.002	0.999	-0.006	1.001	-0.023	0.046	2.65	-1.33

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	667	3.001	0.00	21	1o01	0.02	2-21-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SKTL
8	-6.000	0.000	-14.142	0.927	977.4	1449.2	500.6	82.0	0.929	1.001	0.999	-0.005	1.001	-0.000	0.002	0.12	-0.02
9	-5.000	0.000	-14.142	0.926	976.0	1450.4	500.3	81.9	0.927	1.001	0.999	-0.003	1.001	-0.000	0.002	0.10	-0.01
10	-4.000	0.000	-14.142	0.925	974.8	1449.1	499.1	81.9	0.924	1.000	0.998	-0.001	1.000	-0.000	0.001	0.08	-0.02
11	-3.000	0.000	-14.142	0.922	972.0	1449.3	497.6	81.9	0.921	0.999	0.999	0.000	0.999	-0.000	0.001	0.06	-0.01
15	-2.000	0.000	-14.142	0.922	972.5	1448.6	497.6	81.9	0.920	0.998	0.999	0.002	0.998	-0.000	0.000	0.02	-0.02
16	-1.000	0.000	-14.142	0.923	973.1	1450.0	498.5	81.8	0.923	1.000	0.999	-0.002	1.000	-0.000	-0.001	-0.04	-0.01
17	0.000	0.000	-14.142	0.922	971.9	1451.0	498.1	81.9	0.922	1.001	0.999	-0.004	1.001	-0.000	-0.002	-0.09	-0.02
19	1.000	0.000	-14.142	0.922	972.5	1449.9	498.1	81.9	0.922	1.000	0.999	-0.003	1.000	-0.000	-0.003	-0.15	-0.03
21	2.000	0.000	-14.142	0.924	974.0	1449.5	498.9	81.8	0.924	1.000	0.998	-0.003	1.000	-0.001	-0.003	-0.18	-0.04
22	3.000	0.000	-14.142	0.925	974.8	1450.5	499.6	81.9	0.928	1.003	0.999	-0.009	1.003	-0.001	-0.004	-0.22	-0.03
23	4.000	0.000	-14.142	0.922	972.1	1449.9	497.8	81.9	0.928	1.006	0.999	-0.014	1.006	-0.001	-0.004	-0.25	-0.04
24	5.000	0.000	-14.142	0.923	973.3	1449.3	498.4	81.8	0.929	1.006	0.999	-0.013	1.006	-0.001	-0.004	-0.23	-0.03
25	6.000	0.000	-14.142	0.926	975.5	1451.3	500.4	81.8	0.936	1.009	0.999	-0.021	1.009	-0.001	-0.004	-0.25	-0.03
26	7.000	0.000	-14.142	0.922	972.7	1448.4	497.7	81.9	0.933	1.010	0.999	-0.020	1.010	-0.000	-0.004	-0.24	-0.02
27	8.000	0.000	-14.142	0.921	971.4	1450.1	497.5	81.9	0.930	1.009	0.999	-0.019	1.009	-0.001	-0.003	-0.19	-0.03
28	9.000	0.000	-14.142	0.924	974.1	1449.7	498.9	82.0	0.934	1.010	0.999	-0.021	1.010	-0.000	-0.003	-0.19	-0.02
29	10.000	0.000	-14.142	0.923	973.3	1447.9	497.9	81.9	0.930	1.006	0.999	-0.014	1.006	-0.000	-0.003	-0.15	-0.01
30	11.000	0.000	-14.142	0.926	976.2	1449.1	500.0	81.9	0.932	1.005	0.999	-0.011	1.005	-0.001	-0.002	-0.13	-0.04
31	12.000	0.000	-14.142	0.929	978.8	1451.3	502.2	82.0	0.936	1.006	0.999	-0.014	1.006	-0.000	-0.002	-0.13	-0.03
34	13.000	0.000	-14.142	0.928	977.8	1451.0	501.6	81.8	0.928	1.009	0.998	-0.021	1.009	-0.000	-0.002	-0.10	-0.01
35	14.000	0.000	-14.142	0.924	974.5	1449.8	499.2	81.9	0.932	1.007	0.999	-0.015	1.007	-0.000	-0.001	-0.04	-0.01
37	15.000	0.000	-14.142	0.927	977.0	1451.2	501.2	81.8	0.939	1.011	0.998	-0.024	1.011	0.000	0.000	0.02	0.01
39	16.000	0.000	-14.142	0.924	973.8	1449.4	498.6	81.9	0.932	1.008	0.999	-0.018	1.008	0.000	0.001	0.08	0.01
40	17.000	0.000	-14.142	0.927	976.9	1448.3	500.2	81.7	0.938	1.010	0.999	-0.021	1.010	-0.000	0.002	0.14	-0.01
42	18.000	0.000	-14.142	0.928	977.3	1446.8	499.9	81.7	0.934	1.006	0.999	-0.013	1.006	-0.000	0.003	0.16	-0.01
45	19.000	0.000	-14.142	0.928	978.0	1449.1	501.1	81.8	0.934	1.005	0.998	-0.013	1.005	0.000	0.004	0.20	0.00
46	20.000	0.000	-14.142	0.928	978.0	1448.5	500.8	81.9	0.933	1.004	0.999	-0.010	1.004	-0.000	0.003	0.19	-0.01
47	21.000	0.000	-14.142	0.920	970.6	1449.2	496.8	81.8	0.926	1.005	0.999	-0.012	1.005	-0.000	0.003	0.20	-0.01
48	22.000	0.000	-14.142	0.926	975.9	1449.7	500.0	81.9	0.930	1.004	0.999	-0.010	1.004	-0.001	0.004	0.22	-0.03
49	23.000	0.000	-14.142	0.926	976.1	1449.3	500.0	81.8	0.932	1.006	0.999	-0.013	1.006	-0.001	0.004	0.25	-0.04
50	24.000	0.000	-14.142	0.928	977.9	1450.3	501.4	81.8	0.935	1.006	0.998	-0.014	1.006	-0.001	0.004	0.25	-0.05

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	668	2.996	0.00	21	1602	0.02	2-21-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
6	-6.000	14.142	0.000	0.923	973.0	1448.6	498.0	81.8	0.918	0.996	0.999	0.006	0.996	0.003	0.000	0.02	0.19
7	-5.000	14.142	0.000	0.925	975.2	1448.5	499.2	81.9	0.922	0.997	1.000	0.006	0.997	0.003	0.000	0.02	0.17
8	-4.000	14.142	0.000	0.928	977.6	1451.4	501.5	82.0	0.927	0.999	0.999	-0.000	0.999	0.003	-0.000	-0.02	0.19
9	-3.000	14.142	0.000	0.926	976.2	1449.3	500.0	82.0	0.924	0.998	0.999	0.003	0.998	0.004	0.000	0.00	0.22
10	-2.000	14.142	0.000	0.925	974.7	1450.4	499.6	81.9	0.924	0.999	1.000	0.001	0.999	0.004	-0.000	-0.02	0.25
11	-1.000	14.142	0.000	0.924	974.6	1450.9	499.6	82.0	0.923	0.998	0.999	0.001	0.998	0.005	-0.000	-0.03	0.29
12	0.000	14.142	0.000	0.923	972.9	1448.8	498.0	81.9	0.921	0.999	1.000	0.002	0.999	0.006	-0.001	-0.03	0.32
13	1.000	14.142	0.000	0.923	973.1	1451.5	498.9	82.0	0.923	1.000	0.999	-0.002	1.000	0.006	-0.001	-0.03	0.37
14	2.000	14.142	0.000	0.923	973.0	1451.3	498.8	82.0	0.924	1.001	0.999	-0.004	1.001	0.007	-0.001	-0.03	0.41
15	3.000	14.142	0.000	0.922	972.3	1448.8	497.6	82.0	0.923	1.001	0.999	-0.002	1.001	0.008	-0.001	-0.03	0.43
16	4.000	14.142	0.000	0.922	972.5	1450.4	498.2	82.0	0.926	1.004	0.999	-0.008	1.004	0.008	-0.001	-0.04	0.45
17	5.000	14.142	0.000	0.923	973.3	1450.3	498.6	82.1	0.927	1.004	0.999	-0.010	1.004	0.008	-0.001	-0.06	0.44
18	6.000	14.142	0.000	0.923	973.3	1448.7	498.1	82.0	0.928	1.005	1.000	-0.009	1.005	0.008	-0.001	-0.04	0.43
19	7.000	14.142	0.000	0.925	974.9	1450.1	499.5	82.0	0.930	1.005	0.999	-0.011	1.005	0.007	-0.001	-0.05	0.39
20	8.000	14.142	0.000	0.926	976.0	1451.0	500.5	82.0	0.932	1.006	0.999	-0.013	1.006	0.006	-0.001	-0.09	0.37
21	9.000	14.142	0.000	0.926	975.9	1449.4	499.9	82.0	0.932	1.005	0.999	-0.012	1.005	0.006	-0.001	-0.08	0.32
22	10.000	14.142	0.000	0.926	975.8	1450.8	500.3	82.0	0.931	1.005	0.999	-0.011	1.005	0.005	-0.001	-0.08	0.31
23	11.000	14.142	0.000	0.926	976.3	1448.9	499.9	82.0	0.931	1.004	1.000	-0.009	1.004	0.005	-0.002	-0.10	0.31
24	12.000	14.142	0.000	0.925	974.9	1449.5	499.3	82.0	0.929	1.004	1.000	-0.008	1.004	0.005	-0.002	-0.10	0.30
25	13.000	14.142	0.000	0.928	977.6	1450.3	501.2	82.0	0.932	1.004	0.999	-0.010	1.004	0.005	-0.002	-0.10	0.30
28	14.000	14.142	0.000	0.923	973.1	1449.6	498.3	82.0	0.931	1.007	0.999	-0.016	1.007	0.005	-0.002	-0.11	0.27
29	15.000	14.142	0.000	0.926	975.8	1449.3	499.8	81.9	0.933	1.007	0.999	-0.015	1.007	0.004	-0.002	-0.13	0.23
31	16.000	14.142	0.000	0.923	973.5	1450.0	498.7	82.0	0.934	1.010	0.999	-0.020	1.010	0.002	-0.003	-0.15	0.13
32	17.000	14.142	0.000	0.927	976.8	1450.2	500.7	81.9	0.936	1.009	0.999	-0.019	1.009	0.001	-0.002	-0.13	0.04
34	18.000	14.142	0.000	0.926	976.1	1450.7	500.4	82.0	0.938	1.011	0.999	-0.023	1.011	-0.000	-0.003	-0.15	-0.03
35	19.000	14.142	0.000	0.928	978.0	1449.2	501.0	82.0	0.932	1.003	0.999	-0.008	1.003	-0.001	-0.003	-0.17	-0.05
36	20.000	14.142	0.000	0.927	977.1	1450.4	500.9	82.0	0.933	1.006	0.999	-0.013	1.006	-0.000	-0.003	-0.18	-0.01
39	21.000	14.142	0.000	0.928	977.8	1449.2	500.9	82.0	0.929	1.001	0.999	-0.003	1.001	-0.000	-0.003	-0.16	-0.02
40	22.000	14.142	0.000	0.929	979.1	1449.8	501.9	81.9	0.933	1.004	0.999	-0.008	1.004	-0.000	-0.003	-0.17	-0.02
43	23.000	14.142	0.000	0.925	974.3	1450.8	499.8	81.9	0.933	1.007	1.000	-0.015	1.007	-0.000	-0.004	-0.20	-0.02
44	24.000	14.142	0.000	0.923	973.0	1449.4	498.1	82.0	0.925	1.003	0.999	-0.007	1.003	-0.001	-0.003	-0.19	-0.05

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	670	2.996	2.00	21	1601	0.02	2-22-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
12	-6.000	0.000	-14.142	0.922	972.8	1449.7	498.1	82.1	0.923	1.000	0.999	-0.003	1.000	-0.000	0.002	0.11	-0.01
13	-5.000	0.000	-14.142	0.922	972.3	1450.7	498.1	82.1	0.922	1.000	0.999	-0.003	1.000	-0.000	0.002	0.10	-0.01
14	-4.000	0.000	-14.142	0.920	970.9	1450.9	497.3	82.1	0.921	1.001	0.999	-0.004	1.001	-0.000	0.001	0.08	-0.00
16	-3.000	0.000	-14.142	0.922	972.1	1449.4	497.6	82.0	0.919	0.998	0.999	0.003	0.998	-0.001	0.001	0.05	-0.03
17	-2.000	0.000	-14.142	0.920	970.8	1450.3	497.1	82.1	0.921	1.001	0.999	-0.002	1.001	-0.000	0.000	0.01	-0.01
18	-1.000	0.000	-14.142	0.926	975.8	1450.3	500.1	82.0	0.925	0.999	0.999	-0.001	0.999	-0.000	-0.001	-0.04	-0.03
19	0.000	0.000	-14.142	0.923	973.3	1450.5	498.7	82.0	0.924	1.001	0.999	-0.003	1.001	-0.000	-0.001	-0.08	-0.03
21	1.000	0.000	-14.142	0.923	973.5	1450.6	498.8	82.0	0.922	0.999	0.999	-0.001	0.999	-0.000	-0.002	-0.12	-0.02
22	2.000	0.000	-14.142	0.926	976.1	1450.4	500.2	82.1	0.929	1.003	0.999	-0.007	1.003	-0.001	-0.003	-0.18	-0.03
23	3.000	0.000	-14.142	0.922	972.4	1449.1	497.7	82.0	0.926	1.003	0.999	-0.008	1.003	-0.000	-0.004	-0.21	-0.02
24	4.000	0.000	-14.142	0.929	978.6	1450.7	501.9	82.0	0.934	1.005	0.999	-0.012	1.005	-0.000	-0.004	-0.25	-0.01
25	5.000	0.000	-14.142	0.926	975.9	1448.7	499.6	82.0	0.933	1.007	0.999	-0.015	1.007	-0.000	-0.004	-0.25	-0.02
26	6.000	0.000	-14.142	0.923	973.8	1449.7	498.7	82.1	0.932	1.008	1.000	-0.016	1.008	-0.001	-0.004	-0.24	-0.03
27	7.000	0.000	-14.142	0.927	976.7	1450.3	500.6	82.0	0.935	1.008	0.999	-0.018	1.008	-0.000	-0.004	-0.25	-0.02
28	8.000	0.000	-14.142	0.925	975.4	1450.2	499.8	82.1	0.933	1.007	0.999	-0.016	1.007	-0.000	-0.004	-0.22	-0.01
29	9.000	0.000	-14.142	0.928	978.2	1449.8	501.3	82.0	0.934	1.005	0.999	-0.013	1.005	-0.000	-0.004	-0.22	-0.01
30	10.000	0.000	-14.142	0.929	978.7	1450.6	501.9	82.0	0.934	1.005	0.998	-0.012	1.005	-0.000	-0.004	-0.22	-0.01
31	11.000	0.000	-14.142	0.926	976.3	1449.8	500.2	82.0	0.931	1.004	0.999	-0.010	1.004	-0.000	-0.004	-0.25	-0.02
32	12.000	0.000	-14.142	0.922	972.2	1449.8	497.8	82.1	0.926	1.004	1.000	-0.008	1.004	-0.000	-0.004	-0.23	-0.00
33	13.000	0.000	-14.142	0.925	975.2	1450.8	499.9	82.1	0.926	1.001	0.998	-0.005	1.001	-0.000	-0.004	-0.23	-0.01
34	14.000	0.000	-14.142	0.928	977.8	1449.8	501.1	82.1	0.931	1.003	0.999	-0.006	1.003	0.000	-0.004	-0.21	0.00
35	15.000	0.000	-14.142	0.929	979.0	1449.8	501.8	82.0	0.931	1.001	0.999	-0.004	1.001	0.000	-0.003	-0.19	0.01
37	16.000	0.000	-14.142	0.927	977.2	1448.9	500.4	82.0	0.931	1.004	0.999	-0.008	1.004	0.001	-0.003	-0.15	0.04
40	17.000	0.000	-14.142	0.929	978.5	1449.7	501.5	82.0	0.933	1.004	0.999	-0.009	1.004	0.000	-0.002	-0.13	0.02
43	18.000	0.000	-14.142	0.924	974.2	1450.1	499.1	82.0	0.928	1.004	1.000	-0.008	1.004	0.000	-0.002	-0.12	0.02
46	19.000	0.000	-14.142	0.929	979.1	1450.6	502.2	82.0	0.932	1.003	0.999	-0.007	1.003	0.000	-0.002	-0.09	0.02
49	20.000	0.000	-14.142	0.928	977.7	1451.2	501.5	82.0	0.930	1.002	0.999	-0.006	1.002	-0.000	-0.001	-0.07	-0.01
51	21.000	0.000	-14.142	0.922	972.3	1449.1	497.7	81.8	0.925	1.003	0.999	-0.007	1.003	-0.000	-0.001	-0.07	-0.02
52	22.000	0.000	-14.142	0.927	977.1	1449.4	500.6	81.9	0.928	1.001	0.999	-0.004	1.001	-0.001	-0.001	-0.03	-0.03
53	23.000	0.000	-14.142	0.927	976.7	1450.7	500.8	82.0	0.931	1.004	0.999	-0.010	1.004	-0.000	-0.001	-0.06	-0.03
54	24.000	0.000	-14.142	0.929	978.7	1450.6	501.9	82.0	0.932	1.003	0.998	-0.009	1.003	-0.001	-0.000	-0.01	-0.03

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	671	3.000	2.00	21	1602	0.02	2-22-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
3	-6.000	14.142	0.000	0.926	975.6	1449.6	499.8	82.0	0.925	0.999	1.000	0.001	0.999	0.003	0.000	0.02	0.19
7	-5.000	14.142	0.000	0.928	977.5	1449.4	500.8	81.9	0.927	1.000	1.000	0.000	1.000	0.003	0.000	0.01	0.20
8	-4.000	14.142	0.000	0.925	974.8	1451.7	500.0	82.0	0.925	1.000	0.999	-0.002	1.000	0.004	-0.000	-0.02	0.21
9	-3.000	14.142	0.000	0.924	973.8	1450.4	499.0	82.0	0.922	0.998	0.999	0.002	0.998	0.004	-0.000	-0.00	0.22
10	-2.000	14.142	0.000	0.923	973.0	1449.0	498.0	82.0	0.920	0.997	1.000	0.005	0.997	0.004	-0.000	-0.01	0.25
11	-1.000	14.142	0.000	0.926	975.7	1451.1	500.3	82.0	0.923	0.997	0.999	0.004	0.997	0.005	-0.000	-0.02	0.29
12	0.000	14.142	0.000	0.924	974.7	1449.5	499.2	82.0	0.922	0.997	0.999	0.004	0.997	0.006	-0.000	-0.03	0.34
13	1.000	14.142	0.000	0.924	974.2	1449.5	498.8	82.1	0.923	0.999	0.999	0.001	0.999	0.007	-0.001	-0.03	0.40
14	2.000	14.142	0.000	0.923	973.7	1450.9	499.0	82.1	0.924	1.001	0.999	-0.002	1.001	0.007	-0.000	-0.03	0.43
15	3.000	14.142	0.000	0.923	973.5	1449.4	498.4	82.0	0.925	1.001	0.999	-0.004	1.001	0.008	-0.001	-0.04	0.44
16	4.000	14.142	0.000	0.924	974.2	1451.2	499.4	82.1	0.927	1.003	0.999	-0.008	1.003	0.008	-0.001	-0.05	0.47
17	5.000	14.142	0.000	0.924	973.9	1450.4	499.0	82.0	0.928	1.004	0.999	-0.010	1.004	0.008	-0.001	-0.04	0.47
18	6.000	14.142	0.000	0.924	974.3	1449.5	499.0	82.0	0.929	1.005	0.999	-0.011	1.005	0.008	-0.001	-0.04	0.47
19	7.000	14.142	0.000	0.928	978.0	1450.5	501.5	82.0	0.934	1.006	0.999	-0.013	1.006	0.007	-0.001	-0.03	0.41
20	8.000	14.142	0.000	0.929	978.7	1448.2	501.1	81.9	0.936	1.007	1.000	-0.013	1.006	0.006	-0.001	-0.04	0.36
21	9.000	14.142	0.000	0.929	978.6	1450.5	501.8	82.0	0.935	1.006	0.999	-0.013	1.006	0.007	-0.001	-0.03	0.38
22	10.000	14.142	0.000	0.929	978.3	1449.5	501.3	82.0	0.934	1.005	0.999	-0.011	1.005	0.006	-0.001	-0.04	0.36
23	11.000	14.142	0.000	0.927	977.1	1450.2	500.8	82.0	0.932	1.005	1.000	-0.010	1.005	0.006	-0.001	-0.05	0.34
24	12.000	14.142	0.000	0.926	976.2	1449.4	500.0	82.0	0.932	1.005	1.000	-0.011	1.005	0.006	-0.000	-0.02	0.33
25	13.000	14.142	0.000	0.926	975.7	1450.1	500.0	82.0	0.932	1.006	0.999	-0.012	1.006	0.006	-0.000	-0.02	0.35
26	14.000	14.142	0.000	0.929	978.3	1450.7	501.7	82.0	0.934	1.005	0.999	-0.012	1.005	0.006	0.000	0.02	0.31
29	15.000	14.142	0.000	0.925	975.1	1449.9	499.6	81.9	0.935	1.009	0.999	-0.019	1.009	0.005	0.001	0.04	0.26
30	16.000	14.142	0.000	0.929	978.6	1449.8	501.6	82.0	0.940	1.011	0.999	-0.022	1.011	0.003	0.001	0.07	0.17
31	17.000	14.142	0.000	0.928	978.0	1449.4	501.1	82.0	0.941	1.012	0.999	-0.024	1.012	0.001	0.002	0.10	0.08
34	18.000	14.142	0.000	0.927	976.5	1449.6	500.3	81.9	0.937	1.009	0.999	-0.020	1.009	-0.000	0.002	0.11	-0.00
35	19.000	14.142	0.000	0.929	978.3	1448.8	501.1	82.0	0.933	1.004	0.999	-0.009	1.004	-0.000	0.002	0.12	-0.00
38	20.000	14.142	0.000	0.928	978.3	1449.6	501.3	82.0	0.934	1.005	1.000	-0.011	1.005	0.000	0.002	0.11	0.01
41	21.000	14.142	0.000	0.927	976.7	1451.0	500.9	82.0	0.931	1.004	0.999	-0.010	1.004	0.000	0.002	0.11	0.00
42	22.000	14.142	0.000	0.930	979.3	1449.7	501.9	82.0	0.933	1.003	0.999	-0.007	1.003	0.000	0.002	0.13	0.02
44	23.000	14.142	0.000	0.929	978.3	1449.5	501.5	82.0	0.934	1.005	0.999	-0.012	1.005	0.000	0.002	0.13	0.02
45	24.000	14.142	0.000	0.928	978.1	1450.0	501.3	82.0	0.932	1.003	0.999	-0.008	1.003	-0.000	0.002	0.12	-0.00

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	695	3.003	5.00	21	1601	0.01	2-22-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
8	-6.000	0.000	-14.142	0.928	977.5	1449.1	500.8	81.8	0.930	1.002	0.999	-0.006	1.002	0.001	0.002	0.09	0.03
9	-5.000	0.000	-14.142	0.923	973.7	1450.8	499.1	81.9	0.925	1.001	0.999	-0.005	1.001	0.000	0.001	0.08	0.02
10	-4.000	0.000	-14.142	0.922	972.1	1449.4	497.7	81.9	0.922	1.001	0.999	-0.003	1.001	0.001	0.001	0.04	0.03
15	-3.000	0.000	-14.142	0.923	973.5	1449.0	498.4	81.8	0.922	0.999	0.999	0.000	0.999	0.000	0.000	0.02	0.02
16	-2.000	0.000	-14.142	0.927	976.3	1449.6	500.3	81.8	0.928	1.001	0.999	-0.003	1.001	0.000	0.000	0.00	0.01
17	-1.000	0.000	-14.142	0.924	973.7	1447.2	498.0	81.7	0.924	1.001	0.999	-0.002	1.001	-0.000	-0.001	-0.04	-0.00
18	0.000	0.000	-14.142	0.921	971.4	1447.8	496.7	81.8	0.922	1.001	1.000	-0.003	1.001	0.000	-0.002	-0.10	0.02
19	1.000	0.000	-14.142	0.923	972.9	1449.7	498.2	82.0	0.923	1.001	0.999	-0.004	1.001	0.000	-0.002	-0.12	0.02
20	2.000	0.000	-14.142	0.922	972.4	1449.7	497.9	81.9	0.922	1.000	0.999	-0.002	1.000	0.000	-0.002	-0.14	0.03
21	3.000	0.000	-14.142	0.923	973.2	1450.7	498.8	81.9	0.926	1.002	0.999	-0.007	1.002	0.000	-0.004	-0.21	0.00
22	4.000	0.000	-14.142	0.920	970.8	1449.6	497.0	81.9	0.924	1.003	0.999	-0.008	1.003	-0.000	-0.004	-0.24	-0.01
23	5.000	0.000	-14.142	0.924	974.5	1449.8	499.2	81.9	0.927	1.003	0.999	-0.007	1.003	0.000	-0.005	-0.27	0.00
24	6.000	0.000	-14.142	0.923	972.8	1449.6	498.2	81.9	0.927	1.005	0.999	-0.011	1.005	-0.000	-0.005	-0.30	-0.00
25	7.000	0.000	-14.142	0.921	971.7	1449.2	497.4	81.9	0.926	1.004	0.999	-0.011	1.004	0.001	-0.005	-0.31	0.03
26	8.000	0.000	-14.142	0.923	973.5	1449.3	498.5	81.9	0.927	1.004	1.000	-0.008	1.004	0.001	-0.006	-0.33	0.03
27	9.000	0.000	-14.142	0.925	974.7	1448.8	499.0	81.9	0.924	0.999	0.999	0.000	0.999	0.001	-0.006	-0.35	0.03
28	10.000	0.000	-14.142	0.925	975.3	1449.1	499.5	81.8	0.924	0.999	0.999	0.001	0.999	0.000	-0.007	-0.36	0.03
29	11.000	0.000	-14.142	0.927	976.6	1448.8	500.1	81.8	0.923	0.997	0.999	0.004	0.997	0.000	-0.007	-0.43	0.01
30	12.000	0.000	-14.142	0.926	976.3	1448.8	500.0	81.8	0.923	0.997	1.000	0.006	0.997	0.000	-0.008	-0.45	0.03
34	13.000	0.000	-14.142	0.928	977.9	1449.3	501.1	81.8	0.924	0.996	0.999	0.006	0.996	0.001	-0.009	-0.49	0.04
35	14.000	0.000	-14.142	0.929	978.6	1449.2	501.4	81.9	0.923	0.994	0.999	0.010	0.994	0.001	-0.008	-0.49	0.03
37	15.000	0.000	-14.142	0.922	972.1	1449.5	497.7	81.9	0.918	0.996	0.999	0.006	0.996	0.001	-0.009	-0.51	0.05
38	16.000	0.000	-14.142	0.926	976.0	1449.0	499.9	81.7	0.924	0.998	0.999	0.003	0.998	0.001	-0.009	-0.53	0.05
39	17.000	0.000	-14.142	0.926	976.1	1449.6	500.1	81.7	0.924	0.998	1.000	0.004	0.998	0.001	-0.009	-0.53	0.06
41	18.000	0.000	-14.142	0.928	978.0	1450.3	501.5	81.8	0.927	0.999	0.999	0.002	0.998	0.001	-0.009	-0.52	0.04
44	19.000	0.000	-14.142	0.929	978.2	1448.4	501.0	81.8	0.927	0.998	1.000	0.003	0.998	0.001	-0.009	-0.53	0.07
47	20.000	0.000	-14.142	0.922	972.1	1450.2	498.0	81.8	0.920	0.998	0.998	0.000	0.998	0.001	-0.009	-0.53	0.04
48	21.000	0.000	-14.142	0.928	977.1	1448.4	500.4	81.7	0.925	0.997	0.999	0.004	0.997	0.001	-0.008	-0.48	0.05
49	22.000	0.000	-14.142	0.927	976.7	1448.8	500.3	81.7	0.927	1.000	0.999	-0.002	1.000	0.001	-0.008	-0.47	0.04
52	23.000	0.000	-14.142	0.926	975.5	1448.3	499.4	81.7	0.927	1.001	0.999	-0.004	1.001	0.000	-0.008	-0.44	0.02
53	24.000	0.000	-14.142	0.927	976.3	1448.6	499.9	81.7	0.928	1.002	0.999	-0.004	1.001	0.001	-0.007	-0.42	0.01

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALPA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	696	2.997	5.00	21	1o02	0.01	2-22-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
3	-6.000	14.142	0.000	0.924	973.9	1448.7	498.5	81.8	0.921	0.998	0.999	0.003	0.998	0.003	0.000	0.00	0.18
4	-5.000	14.142	0.000	0.923	973.6	1449.1	498.5	81.8	0.921	0.998	1.000	0.003	0.998	0.004	0.000	0.00	0.23
5	-4.000	14.142	0.000	0.927	977.3	1451.3	501.4	81.9	0.926	0.999	0.999	0.001	0.999	0.005	-0.000	-0.01	0.27
6	-3.000	14.142	0.000	0.926	975.9	1449.1	499.8	81.9	0.924	0.998	0.999	0.002	0.998	0.005	-0.000	-0.02	0.26
7	-2.000	14.142	0.000	0.922	972.7	1449.6	498.1	81.9	0.920	0.998	0.999	0.003	0.998	0.005	-0.000	-0.02	0.30
8	-1.000	14.142	0.000	0.922	972.5	1450.3	498.2	81.9	0.920	0.998	0.999	0.002	0.998	0.005	-0.001	-0.03	0.31
9	0.000	14.142	0.000	0.925	974.8	1449.0	499.1	81.9	0.921	0.996	0.999	0.006	0.996	0.006	-0.001	-0.04	0.36
10	1.000	14.142	0.000	0.927	976.5	1450.0	500.4	81.9	0.926	0.999	0.999	0.000	0.999	0.007	-0.001	-0.05	0.41
11	2.000	14.142	0.000	0.925	974.7	1449.5	499.3	81.8	0.925	1.001	0.999	-0.003	1.001	0.008	-0.001	-0.05	0.43
12	3.000	14.142	0.000	0.923	973.6	1447.9	498.1	81.8	0.924	1.001	0.999	-0.002	1.001	0.009	-0.001	-0.07	0.49
13	4.000	14.142	0.000	0.923	973.5	1450.0	499.8	81.8	0.926	1.003	1.000	-0.006	1.003	0.009	-0.001	-0.08	0.50
14	5.000	14.142	0.000	0.924	973.9	1449.6	498.9	81.8	0.927	1.003	0.999	-0.008	1.003	0.009	-0.001	-0.05	0.51
15	6.000	14.142	0.000	0.924	973.6	1448.3	498.2	81.8	0.927	1.004	0.999	-0.008	1.004	0.009	-0.001	-0.06	0.50
16	7.000	14.142	0.000	0.924	974.1	1448.4	498.6	81.7	0.929	1.004	0.999	-0.010	1.004	0.008	-0.001	-0.03	0.48
17	8.000	14.142	0.000	0.926	976.0	1449.1	499.9	81.8	0.930	1.004	0.999	-0.010	1.004	0.008	-0.001	-0.04	0.47
18	9.000	14.142	0.000	0.927	977.0	1448.6	500.2	82.0	0.930	1.003	1.000	-0.006	1.003	0.008	-0.000	-0.02	0.46
19	10.000	14.142	0.000	0.926	976.2	1449.8	500.2	81.9	0.928	1.002	0.999	-0.005	1.002	0.008	0.000	0.00	0.45
20	11.000	14.142	0.000	0.924	974.5	1448.8	498.8	82.0	0.926	1.002	0.999	-0.005	1.002	0.008	0.000	0.02	0.46
21	12.000	14.142	0.000	0.927	976.7	1450.1	500.6	81.9	0.927	1.000	0.999	-0.003	1.000	0.008	0.001	0.05	0.48
22	13.000	14.142	0.000	0.930	979.4	1450.3	502.3	81.8	0.933	1.003	0.999	-0.007	1.003	0.009	0.002	0.11	0.52
23	14.000	14.142	0.000	0.929	978.2	1449.6	501.4	81.8	0.933	1.004	0.999	-0.010	1.004	0.009	0.003	0.18	0.52
24	15.000	14.142	0.000	0.929	978.4	1449.9	501.6	81.8	0.938	1.009	0.999	-0.018	1.009	0.009	0.005	0.28	0.51
25	16.000	14.142	0.000	0.929	978.5	1450.3	501.8	81.8	0.943	1.013	0.999	-0.028	1.013	0.007	0.006	0.36	0.40
26	17.000	14.142	0.000	0.929	978.6	1449.2	501.4	81.9	0.948	1.017	0.999	-0.035	1.017	0.004	0.009	0.52	0.22
28	18.000	14.142	0.000	0.929	978.4	1450.0	501.6	81.9	0.941	1.011	0.999	-0.024	1.011	0.001	0.011	0.61	0.08
29	19.000	14.142	0.000	0.930	979.2	1449.4	501.9	81.7	0.937	1.006	0.999	-0.013	1.006	0.001	0.011	0.64	0.08
32	20.000	14.142	0.000	0.927	976.6	1450.4	500.6	81.9	0.932	1.005	0.999	-0.012	1.005	0.001	0.011	0.64	0.08
33	21.000	14.142	0.000	0.928	978.2	1449.1	501.1	81.9	0.931	1.002	0.999	-0.006	1.002	0.002	0.011	0.63	0.12
36	22.000	14.142	0.000	0.928	977.6	1448.7	500.8	81.9	0.932	1.004	1.000	-0.009	1.004	0.002	0.012	0.64	0.13
39	23.000	14.142	0.000	0.927	976.6	1448.4	500.0	81.8	0.934	1.006	0.999	-0.014	1.006	0.002	0.011	0.64	0.13
40	24.000	14.142	0.000	0.926	976.1	1450.1	500.3	81.8	0.929	1.003	0.999	-0.008	1.003	0.002	0.011	0.65	0.10

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	710	3.007	0.00	21	1601	0.02	2-22-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
7	-6.000	0.000	-14.142	0.954	1000.1	1436.1	509.3	81.4	0.960	1.006	0.999	-0.012	1.006	-0.001	0.003	0.15	-0.06
8	-5.000	0.000	-14.142	0.952	998.6	1434.1	507.8	81.4	0.955	1.003	0.999	-0.006	1.003	-0.001	0.003	0.16	-0.05
9	-4.000	0.000	-14.142	0.950	996.6	1433.6	506.5	81.4	0.951	1.002	1.000	-0.003	1.002	-0.001	0.002	0.12	-0.07
10	-3.000	0.000	-14.142	0.948	994.8	1434.7	505.9	81.4	0.949	1.002	1.000	-0.003	1.002	-0.001	0.001	0.07	-0.06
11	-2.000	0.000	-14.142	0.945	992.8	1435.4	505.1	81.3	0.948	1.002	1.000	-0.006	1.002	-0.001	0.001	0.05	-0.06
13	-1.000	0.000	-14.142	0.949	996.0	1435.0	506.6	81.4	0.950	1.001	1.000	-0.003	1.001	-0.001	-0.000	-0.00	-0.07
14	0.000	0.000	-14.142	0.948	994.8	1435.7	506.2	81.4	0.950	1.002	0.999	-0.005	1.002	-0.001	-0.001	-0.05	-0.05
16	1.000	0.000	-14.142	0.951	998.0	1433.9	507.4	81.3	0.952	1.001	0.999	-0.003	1.001	-0.001	-0.002	-0.12	-0.05
17	2.000	0.000	-14.142	0.949	995.7	1433.8	506.1	81.3	0.951	1.002	0.999	-0.006	1.002	-0.001	-0.003	-0.18	-0.06
19	3.000	0.000	-14.142	0.950	996.4	1433.9	506.6	81.2	0.952	1.002	0.999	-0.006	1.002	-0.001	-0.004	-0.21	-0.07
20	4.000	0.000	-14.142	0.949	996.2	1434.0	506.4	81.4	0.959	1.009	1.000	-0.018	1.009	-0.001	-0.004	-0.25	-0.07
21	5.000	0.000	-14.142	0.946	993.6	1434.1	505.0	81.4	0.959	1.011	1.000	-0.022	1.011	-0.002	-0.004	-0.23	-0.09
22	6.000	0.000	-14.142	0.950	996.7	1435.9	507.4	81.4	0.965	1.014	1.000	-0.028	1.014	-0.001	-0.004	-0.24	-0.07
23	7.000	0.000	-14.142	0.948	995.0	1433.2	505.4	81.4	0.964	1.015	1.000	-0.030	1.015	-0.001	-0.004	-0.20	-0.05
24	8.000	0.000	-14.142	0.950	996.8	1435.4	507.2	81.4	0.965	1.014	1.000	-0.028	1.014	-0.001	-0.003	-0.16	-0.05
25	9.000	0.000	-14.142	0.949	995.8	1434.7	506.5	81.2	0.963	1.012	1.000	-0.025	1.012	-0.001	-0.003	-0.15	-0.07
26	10.000	0.000	-14.142	0.949	995.6	1433.1	505.9	81.2	0.960	1.010	1.000	-0.020	1.010	-0.001	-0.002	-0.12	-0.07
27	11.000	0.000	-14.142	0.948	994.9	1432.2	505.2	81.2	0.956	1.007	1.000	-0.014	1.007	-0.001	-0.002	-0.12	-0.05
28	12.000	0.000	-14.142	0.950	997.1	1433.7	506.9	81.3	0.959	1.007	0.999	-0.015	1.007	-0.001	-0.002	-0.12	-0.06
29	13.000	0.000	-14.142	0.953	999.9	1433.9	508.4	81.4	0.962	1.008	0.999	-0.017	1.008	-0.001	-0.001	-0.09	-0.05
31	14.000	0.000	-14.142	0.947	994.5	1433.4	505.2	81.4	0.958	1.010	1.000	-0.019	1.010	-0.001	-0.000	-0.02	-0.05
33	15.000	0.000	-14.142	0.951	997.8	1433.3	507.1	81.4	0.963	1.011	1.000	-0.023	1.011	-0.001	0.000	0.02	-0.05
34	16.000	0.000	-14.142	0.952	998.7	1435.8	508.4	81.4	0.970	1.016	1.000	-0.032	1.016	-0.001	0.002	0.07	-0.04
35	17.000	0.000	-14.142	0.947	994.3	1435.7	505.9	81.5	0.960	1.012	1.000	-0.024	1.012	-0.000	0.003	0.18	-0.02
37	18.000	0.000	-14.142	0.952	998.9	1433.8	507.8	81.4	0.967	1.013	1.000	-0.025	1.013	-0.001	0.005	0.27	-0.04
38	19.000	0.000	-14.142	0.953	999.4	1434.3	508.3	81.4	0.964	1.010	1.000	-0.020	1.010	-0.000	0.005	0.27	-0.03
40	20.000	0.000	-14.142	0.951	998.0	1434.6	507.6	81.4	0.960	1.008	1.000	-0.016	1.008	-0.001	0.005	0.26	-0.05
42	21.000	0.000	-14.142	0.953	999.2	1433.9	508.1	81.4	0.961	1.007	1.000	-0.014	1.007	-0.001	0.004	0.24	-0.06
46	22.000	0.000	-14.142	0.953	1000.1	1434.7	508.8	81.4	0.961	1.007	0.999	-0.015	1.007	-0.001	0.004	0.23	-0.04
47	23.000	0.000	-14.142	0.953	1000.0	1434.6	508.7	81.5	0.964	1.009	1.000	-0.019	1.009	-0.001	0.004	0.25	-0.07
48	24.000	0.000	-14.142	0.950	997.2	1433.8	506.9	81.4	0.958	1.007	1.000	-0.013	1.007	-0.001	0.005	0.29	-0.08

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	711	2.999	0.00	21	1602	0.01	2-22-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AAIL	SWIL
3	-0.000	14.142	0.000	0.950	996.5	1433.7	506.6	81.2	0.950	1.000	1.000	-0.001	1.000	0.002	0.001	0.05	0.11
4	-5.000	14.142	0.000	0.949	996.3	1433.7	506.4	81.3	0.951	1.002	1.000	-0.003	1.002	0.002	0.000	0.03	0.11
5	-4.000	14.142	0.000	0.950	996.5	1433.6	506.5	81.3	0.951	1.002	1.000	-0.003	1.002	0.002	0.000	0.02	0.13
6	-3.000	14.142	0.000	0.949	995.9	1433.3	506.1	81.2	0.948	0.999	1.000	0.002	0.999	0.003	0.000	0.02	0.15
7	-2.000	14.142	0.000	0.950	996.8	1434.2	506.8	81.3	0.949	0.999	1.000	0.001	0.999	0.003	0.000	0.00	0.20
8	-1.000	14.142	0.000	0.950	996.[illegible]	1435.1	507.0	81.4	0.948	0.999	1.000	0.001	0.999	0.004	0.000	0.01	0.24
9	0.000	14.142	0.000	0.948	995.6	1434.2	506.1	81.4	0.948	0.999	1.000	0.002	0.999	0.005	0.000	0.01	0.28
10	1.000	14.142	0.000	0.948	994.9	1434.4	505.8	81.4	0.948	1.000	1.000	0.000	1.000	0.006	0.000	0.02	0.36
11	2.000	14.142	0.000	0.949	996.1	1435.1	506.7	81.4	0.951	1.002	1.000	-0.003	1.002	0.007	-0.000	-0.00	0.39
12	3.000	14.142	0.000	0.951	997.5	1434.2	507.2	81.4	0.952	1.002	1.000	-0.003	1.002	0.007	0.000	0.00	0.41
13	4.000	14.142	0.000	0.952	998.5	1436.0	508.4	81.4	0.958	1.006	1.000	-0.012	1.006	0.008	-0.000	-0.02	0.43
14	5.000	14.142	0.000	0.953	999.3	1435.5	508.6	81.4	0.962	1.009	1.000	-0.018	1.009	0.008	-0.000	-0.01	0.45
15	6.000	14.142	0.000	0.953	999.5	1434.5	508.4	81.4	0.966	1.011	1.000	-0.023	1.011	0.008	-0.000	-0.01	0.43
16	7.000	14.142	0.000	0.954	1000.3	1434.3	508.9	81.3	0.969	1.013	1.000	-0.026	1.013	0.007	-0.001	-0.03	0.37
18	8.000	14.142	0.000	0.951	998.0	1434.1	507.4	81.4	0.965	1.012	1.000	-0.025	1.012	0.006	-0.001	-0.05	0.32
19	9.000	14.142	0.000	0.952	998.5	1434.1	507.7	81.4	0.961	1.008	1.000	-0.016	1.008	0.005	-0.001	-0.05	0.26
20	10.000	14.142	0.000	0.954	1000.2	1435.0	509.0	81.4	0.963	1.008	1.000	-0.017	1.008	0.005	-0.001	-0.03	0.26
22	11.000	14.142	0.000	0.951	997.9	1433.4	507.2	81.2	0.956	1.004	1.000	-0.008	1.004	0.005	-0.000	-0.03	0.25
23	12.000	14.142	0.000	0.952	999.0	1434.2	508.0	81.4	0.960	1.007	1.000	-0.013	1.007	0.005	-0.001	-0.06	0.27
24	13.000	14.142	0.000	0.951	997.8	1432.5	506.8	81.3	0.958	1.006	1.000	-0.011	1.006	0.005	-0.001	-0.06	0.27
25	14.000	14.142	0.000	0.952	999.1	1434.7	508.3	81.4	0.965	1.012	1.000	-0.023	1.012	0.005	-0.002	-0.09	0.29
26	15.000	14.142	0.000	0.951	998.0	1433.3	507.2	81.3	0.964	1.012	1.000	-0.023	1.012	0.004	-0.001	-0.06	0.23
27	16.000	14.142	0.000	0.949	996.3	1434.3	506.6	81.3	0.969	1.018	1.000	-0.035	1.018	0.003	-0.001	-0.08	0.15
28	17.000	14.142	0.000	0.950	997.2	1434.6	507.2	81.4	0.982	1.028	1.001	-0.055	1.028	0.000	-0.002	-0.13	0.00
29	18.000	14.142	0.000	0.951	997.7	1435.3	507.7	81.4	0.971	1.018	1.000	-0.036	1.018	-0.003	-0.002	-0.12	-0.14
30	19.000	14.142	0.000	0.946	993.6	1433.9	505.0	81.3	0.955	1.008	1.000	-0.015	1.008	-0.002	-0.002	-0.12	-0.12
32	20.000	14.142	0.000	0.954	1000.3	1434.1	508.7	81.4	0.959	1.005	1.000	-0.011	1.005	-0.002	-0.002	-0.14	-0.13
33	21.000	14.142	0.000	0.955	1001.4	1435.1	509.7	81.4	0.959	1.004	1.000	-0.008	1.004	-0.002	-0.002	-0.13	-0.09
35	22.000	14.142	0.000	0.948	994.8	1432.7	505.2	81.4	0.953	1.005	1.000	-0.009	1.005	-0.001	-0.002	-0.14	-0.07
36	23.000	14.142	0.000	0.954	1000.6	1434.2	508.9	81.4	0.961	1.006	1.000	-0.012	1.006	-0.001	-0.002	-0.12	-0.06
39	24.000	14.142	0.000	0.953	999.9	1436.1	509.2	81.4	0.963	1.009	1.000	-0.019	1.009	-0.001	-0.003	-0.16	-0.08

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS
TC-532	713	3.000	2.00	21	1601	0.02

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SATL
8	-6.000	0.000	-14.142	0.952	998.3	1433.6	507.5	81.3	0.956	1.004	1.000	-0.008	1.004	-0.001	0.003	0.18	-0.04
9	-5.000	0.000	-14.142	0.951	997.7	1435.2	507.6	81.5	0.956	1.005	1.000	-0.009	1.005	-0.001	0.002	0.13	-0.08
10	-4.000	0.000	-14.142	0.948	995.6	1433.7	505.9	81.4	0.951	1.002	1.000	-0.005	1.002	-0.001	0.002	0.11	-0.05
11	-3.000	0.000	-14.142	0.946	993.6	1434.6	505.2	81.4	0.948	1.002	1.000	-0.004	1.002	-0.001	0.001	0.07	-0.06
13	-2.000	0.000	-14.142	0.947	994.5	1435.3	505.9	81.4	0.947	1.000	0.999	-0.001	1.000	-0.001	0.001	0.06	-0.05
14	-1.000	0.000	-14.142	0.949	995.5	1433.6	506.0	81.2	0.949	1.000	1.000	-0.001	1.000	-0.001	0.000	0.01	-0.07
15	0.000	0.000	-14.142	0.947	993.6	1433.5	504.9	81.1	0.949	1.002	0.999	-0.005	1.002	-0.001	-0.001	-0.03	-0.06
16	1.000	0.000	-14.142	0.946	993.7	1433.6	504.9	81.4	0.947	1.001	0.999	-0.003	1.001	-0.001	-0.001	-0.08	-0.08
17	2.000	0.000	-14.142	0.946	993.1	1434.7	504.9	81.4	0.947	1.001	0.999	-0.004	1.001	-0.001	-0.002	-0.13	-0.08
18	3.000	0.000	-14.142	0.946	993.7	1435.2	505.4	81.4	0.952	1.005	1.000	-0.011	1.005	-0.001	-0.003	-0.17	-0.07
19	4.000	0.000	-14.142	0.947	994.6	1435.3	506.0	81.4	0.957	1.008	0.999	-0.017	1.008	-0.002	-0.004	-0.23	-0.05
20	5.000	0.000	-14.142	0.948	995.6	1434.1	506.1	81.4	0.959	1.009	1.000	-0.018	1.009	-0.002	-0.004	-0.23	-0.09
21	6.000	0.000	-14.142	0.948	994.8	1435.0	506.0	81.3	0.960	1.011	0.999	-0.024	1.011	-0.001	-0.004	-0.25	-0.05
22	7.000	0.000	-14.142	0.947	994.1	1433.3	505.1	81.2	0.957	1.009	0.999	-0.020	1.009	-0.001	-0.004	-0.21	-0.06
23	8.000	0.000	-14.142	0.948	995.0	1433.7	505.7	81.2	0.960	1.011	1.000	-0.022	1.011	-0.001	-0.003	-0.18	-0.08
24	9.000	0.000	-14.142	0.948	995.1	1434.6	506.0	81.3	0.959	1.010	0.999	-0.021	1.010	-0.001	-0.003	-0.19	-0.05
25	10.000	0.000	-14.142	0.947	994.2	1434.2	505.4	81.3	0.954	1.006	0.999	-0.014	1.006	-0.001	-0.003	-0.16	-0.09
26	11.000	0.000	-14.142	0.949	995.7	1433.7	506.1	81.3	0.955	1.005	1.000	-0.011	1.005	-0.001	-0.003	-0.18	-0.05
27	12.000	0.000	-14.142	0.949	996.5	1433.9	506.5	81.4	0.953	1.003	1.000	-0.006	1.003	-0.001	-0.003	-0.18	-0.06
29	13.000	0.000	-14.142	0.953	999.2	1434.0	508.1	81.4	0.956	1.003	1.000	-0.006	1.003	-0.001	-0.004	-0.20	-0.07
30	14.000	0.000	-14.142	0.948	995.0	1435.3	506.2	81.3	0.952	1.003	0.999	-0.008	1.003	-0.001	-0.003	-0.15	-0.05
31	15.000	0.000	-14.142	0.953	999.6	1433.2	508.0	81.3	0.961	1.008	0.999	-0.016	1.008	-0.001	-0.003	-0.18	-0.05
32	16.000	0.000	-14.142	0.948	995.0	1434.1	505.8	81.4	0.955	1.006	1.000	-0.012	1.006	-0.001	-0.002	-0.10	-0.05
34	17.000	0.000	-14.142	0.950	997.3	1434.8	507.3	81.4	0.959	1.008	1.000	-0.016	1.008	-0.001	-0.001	-0.08	-0.03
35	18.000	0.000	-14.142	0.948	994.8	1434.0	505.6	81.4	0.953	1.005	0.999	-0.011	1.005	-0.001	-0.001	-0.04	-0.03
38	19.000	0.000	-14.142	0.951	997.8	1434.5	507.5	81.4	0.957	1.005	0.999	-0.012	1.005	-0.001	-0.000	-0.02	-0.04
40	20.000	0.000	-14.142	0.951	998.0	1434.8	507.7	81.4	0.956	1.004	1.000	-0.009	1.004	-0.001	-0.000	-0.02	-0.05
41	21.000	0.000	-14.142	0.951	997.6	1435.5	507.7	81.4	0.956	1.005	0.999	-0.011	1.005	-0.001	-0.001	-0.03	-0.06
43	22.000	0.000	-14.142	0.954	1000.6	1435.5	509.4	81.4	0.961	1.006	0.999	-0.014	1.006	-0.001	-0.001	-0.04	-0.05
44	23.000	0.000	-14.142	0.954	1000.3	1433.8	508.5	81.5	0.961	1.007	1.000	-0.013	1.007	-0.001	0.001	0.04	-0.07
45	24.000	0.000	-14.142	0.949	996.5	1434.5	506.7	81.5	0.957	1.007	1.000	-0.013	1.007	-0.001	0.000	0.02	-0.06

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	714	2.997	2.00	21	1602	0.02	2-22-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
2	-6.000	14.142	0.000	0.949	996.0	1433.3	506.1	81.2	0.950	1.001	1.000	-0.001	1.001	0.002	0.001	0.04	0.12
3	-5.000	14.142	0.000	0.950	996.5	1433.9	506.6	81.2	0.950	1.001	1.000	-0.002	1.001	0.002	0.001	0.03	0.13
4	-4.000	14.142	0.000	0.949	996.4	1433.7	506.4	81.3	0.948	0.999	1.000	0.001	0.999	0.003	0.001	0.03	0.14
5	-3.000	14.142	0.000	0.950	997.1	1435.3	507.3	81.4	0.950	1.000	1.000	0.000	1.000	0.003	0.000	0.02	0.15
6	-2.000	14.142	0.000	0.950	996.7	1435.1	507.1	81.4	0.948	0.999	0.999	0.001	0.999	0.004	0.001	0.03	0.21
7	-1.000	14.142	0.000	0.948	995.1	1432.1	505.1	81.4	0.945	0.998	1.001	0.006	0.998	0.004	0.000	0.03	0.23
8	0.000	14.142	0.000	0.949	996.0	1435.9	507.0	81.4	0.948	1.000	1.000	0.000	1.000	0.005	0.000	0.01	0.26
9	1.000	14.142	0.000	0.949	995.8	1435.6	506.7	81.4	0.948	1.000	0.999	-0.000	1.000	0.006	-0.000	-0.00	0.34
10	2.000	14.142	0.000	0.952	998.7	1435.7	508.4	81.4	0.954	1.002	1.000	-0.005	1.002	0.007	0.000	0.00	0.36
11	3.000	14.142	0.000	0.952	998.6	1434.8	508.0	81.4	0.956	1.003	1.000	-0.007	1.003	0.008	-0.000	-0.00	0.43
12	4.000	14.142	0.000	0.952	998.3	1434.4	507.7	81.3	0.958	1.006	1.000	-0.011	1.006	0.008	0.000	0.01	0.45
13	5.000	14.142	0.000	0.952	998.9	1434.1	508.1	81.1	0.963	1.009	0.999	-0.019	1.009	0.006	-0.000	-0.01	0.45
14	6.000	14.142	0.000	0.953	999.6	1433.1	508.1	81.1	0.964	1.009	1.000	-0.019	1.009	0.007	0.000	0.00	0.41
17	7.000	14.142	0.000	0.954	1000.2	1432.7	508.3	81.1	0.969	1.013	1.000	-0.026	1.013	0.006	-0.000	-0.01	0.35
18	8.000	14.142	0.000	0.950	996.8	1432.7	506.3	81.3	0.964	1.012	1.000	-0.025	1.012	0.006	-0.000	-0.02	0.33
19	9.000	14.142	0.000	0.949	995.7	1433.3	505.9	81.3	0.956	1.007	1.000	-0.013	1.007	0.005	0.000	0.00	0.29
20	10.000	14.142	0.000	0.951	997.6	1435.2	507.6	81.4	0.959	1.007	1.000	-0.015	1.007	0.005	-0.000	-0.00	0.29
21	11.000	14.142	0.000	0.952	999.0	1434.7	508.2	81.4	0.957	1.004	1.000	-0.009	1.004	0.005	-0.000	-0.00	0.28
22	12.000	14.142	0.000	0.955	1000.9	1432.5	508.0	81.2	0.959	1.004	1.000	-0.008	1.004	0.005	0.000	0.03	0.28
23	13.000	14.142	0.000	0.950	997.1	1434.2	507.0	81.4	0.957	1.006	1.000	-0.013	1.006	0.005	0.001	0.04	0.31
24	14.000	14.142	0.000	0.954	1000.2	1433.9	508.6	81.4	0.962	1.007	1.000	-0.014	1.007	0.005	0.001	0.06	0.30
25	15.000	14.142	0.000	0.950	996.3	1432.3	506.0	81.1	0.962	1.011	1.000	-0.022	1.011	0.005	0.002	0.09	0.26
26	16.000	14.142	0.000	0.952	998.3	1432.8	507.2	81.3	0.971	1.018	1.000	-0.035	1.018	0.004	0.002	0.11	0.22
27	17.000	14.142	0.000	0.952	998.9	1435.0	508.3	81.3	0.976	1.021	1.000	-0.043	1.021	0.001	0.003	0.15	0.04
28	18.000	14.142	0.000	0.952	998.8	1433.4	507.7	81.3	0.980	1.025	1.000	-0.049	1.025	-0.003	0.003	0.18	-0.15
29	19.000	14.142	0.000	0.948	995.2	1433.4	505.7	81.3	0.957	1.008	1.000	-0.016	1.008	-0.002	0.003	0.18	-0.13
30	20.000	14.142	0.000	0.952	998.5	1434.2	507.9	81.3	0.959	1.006	1.000	-0.013	1.006	-0.002	0.003	0.17	-0.11
31	21.000	14.142	0.000	0.954	1000.0	1433.2	508.4	81.1	0.959	1.005	1.000	-0.009	1.005	-0.001	0.003	0.19	-0.07
32	22.000	14.142	0.000	0.951	998.1	1433.0	507.1	81.4	0.957	1.005	1.000	-0.010	1.005	-0.001	0.003	0.19	-0.06
33	23.000	14.142	0.000	0.954	1000.2	1434.3	508.8	81.3	0.962	1.007	1.000	-0.014	1.007	-0.001	0.003	0.20	-0.03
35	24.000	14.142	0.000	0.952	998.5	1434.9	508.0	81.4	0.960	1.007	1.000	-0.015	1.007	-0.001	0.003	0.19	-0.08

DATE 9-MAR-78 PROJECT NO P41C-N0C
APO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	739	3.001	5.00	21	1601	0.00	2-22-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
7	-6.000	0.000	-14.142	0.949	995.3	1434.3	506.3	80.9	0.953	1.003	0.999	-0.008	1.003	-0.001	0.002	0.13	-0.04
10	-5.000	0.000	-14.142	0.946	993.0	1433.1	504.5	80.9	0.948	1.002	1.000	-0.004	1.002	-0.001	0.002	0.12	-0.04
11	-4.000	0.000	-14.142	0.946	992.8	1433.4	504.5	81.1	0.948	1.002	0.999	-0.006	1.002	-0.001	0.002	0.09	-0.07
13	-3.000	0.000	-14.142	0.949	996.0	1434.0	506.5	81.0	0.950	1.001	0.999	-0.003	1.001	-0.001	0.001	0.06	-0.03
14	-2.000	0.000	-14.142	0.947	993.9	1433.8	505.2	81.1	0.949	1.002	1.000	-0.004	1.002	-0.001	0.001	0.04	-0.04
16	-1.000	0.000	-14.142	0.947	994.2	1432.7	505.0	81.1	0.946	0.999	1.000	0.002	0.999	-0.001	0.000	0.01	-0.07
17	0.000	0.000	-14.142	0.948	994.9	1433.6	505.8	80.9	0.949	1.001	1.000	-0.001	1.001	-0.001	-0.001	-0.04	-0.07
18	1.000	0.000	-14.142	0.946	993.1	1433.2	504.7	80.9	0.948	1.002	1.000	-0.004	1.002	-0.001	-0.002	-0.11	-0.06
19	2.000	0.000	-14.142	0.946	992.9	1431.9	504.1	80.8	0.948	1.002	1.000	-0.004	1.002	-0.001	-0.003	-0.16	-0.07
22	3.000	0.000	-14.142	0.950	996.6	1432.6	506.5	80.7	0.954	1.004	0.999	-0.009	1.004	-0.001	-0.004	-0.21	-0.05
23	4.000	0.000	-14.142	0.948	994.3	1433.4	505.4	80.8	0.955	1.007	0.999	-0.014	1.007	-0.001	-0.004	-0.24	-0.05
25	5.000	0.000	-14.142	0.948	994.5	1432.6	505.3	80.8	0.954	1.006	1.000	-0.012	1.006	-0.001	-0.004	-0.24	-0.05
26	6.000	0.000	-14.142	0.946	993.3	1432.3	504.5	80.9	0.956	1.009	1.000	-0.018	1.009	-0.001	-0.005	-0.26	-0.05
27	7.000	0.000	-14.142	0.948	994.8	1432.7	505.4	80.9	0.957	1.008	1.000	-0.016	1.008	-0.001	-0.005	-0.27	-0.06
28	8.000	0.000	-14.142	0.949	995.6	1434.8	506.5	81.1	0.955	1.006	0.999	-0.013	1.006	-0.001	-0.005	-0.26	-0.03
29	9.000	0.000	-14.142	0.948	994.3	1432.8	505.2	80.9	0.951	1.003	1.000	-0.006	1.003	-0.001	-0.005	-0.29	-0.06
30	10.000	0.000	-14.142	0.947	994.3	1433.6	505.4	81.0	0.948	1.001	1.000	-0.002	1.001	-0.001	-0.006	-0.32	-0.07
31	11.000	0.000	-14.142	0.947	994.4	1432.2	505.0	81.0	0.944	0.997	1.000	0.005	0.997	-0.001	-0.006	-0.34	-0.05
32	12.000	0.000	-14.142	0.949	995.3	1432.8	505.8	80.8	0.945	0.997	1.000	0.007	0.997	-0.001	-0.007	-0.40	-0.04
33	13.000	0.000	-14.142	0.952	998.7	1433.4	507.8	81.0	0.949	0.997	1.000	0.007	0.997	-0.001	-0.008	-0.46	-0.04
38	14.000	0.000	-14.142	0.947	993.9	1432.6	504.8	81.0	0.943	0.996	1.000	0.007	0.996	-0.000	-0.008	-0.46	-0.02
40	15.000	0.000	-14.142	0.953	999.0	1432.3	507.6	80.9	0.952	0.999	1.000	0.001	0.999	-0.000	-0.009	-0.50	-0.01
42	16.000	0.000	-14.142	0.952	998.2	1434.4	507.8	81.1	0.952	1.000	0.999	-0.001	1.000	-0.000	-0.009	-0.49	-0.01
43	17.000	0.000	-14.142	0.946	993.1	1433.4	504.6	81.0	0.945	0.999	1.000	0.001	0.999	-0.000	-0.008	-0.47	-0.02
45	18.000	0.000	-14.142	0.951	997.0	1433.5	506.9	80.9	0.950	1.000	0.999	-0.001	1.000	-0.000	-0.008	-0.45	-0.01
46	19.000	0.000	-14.142	0.948	994.8	1434.8	506.1	81.0	0.948	1.000	0.999	-0.002	1.000	-0.000	-0.008	-0.45	-0.01
47	20.000	0.000	-14.142	0.953	998.8	1433.0	507.7	81.0	0.954	1.002	0.999	-0.004	1.002	-0.000	-0.008	-0.43	-0.00
48	21.000	0.000	-14.142	0.953	998.8	1434.2	508.1	81.0	0.955	1.002	0.999	-0.006	1.002	-0.000	-0.008	-0.43	-0.03
49	22.000	0.000	-14.142	0.954	999.8	1433.8	508.6	80.8	0.956	1.002	1.000	-0.005	1.002	-0.000	-0.007	-0.40	-0.03
50	23.000	0.000	-14.142	0.953	999.1	1433.0	508.0	80.8	0.959	1.005	1.000	-0.010	1.005	-0.001	-0.007	-0.39	-0.03
51	24.000	0.000	-14.142	0.949	995.7	1433.0	506.1	80.8	0.954	1.004	1.000	-0.008	1.004	-0.001	-0.006	-0.35	-0.04

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	740	2.996	5.00	21	1602	0.00	2-22-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
2	-6.000	14.142	0.000	0.946	992.7	1433.3	504.5	80.9	0.947	1.001	1.000	-0.002	1.001	0.003	0.000	0.03	0.15
3	-5.000	14.142	0.000	0.950	996.1	1432.6	506.1	80.9	0.950	1.000	1.000	-0.000	1.000	0.002	0.001	0.05	0.14
4	-4.000	14.142	0.000	0.950	996.3	1432.6	506.2	81.0	0.948	0.999	1.000	0.003	0.999	0.003	0.001	0.04	0.17
5	-3.000	14.142	0.000	0.950	996.2	1433.9	506.6	81.0	0.949	1.000	1.000	0.001	1.000	0.004	0.000	0.01	0.21
6	-2.000	14.142	0.000	0.950	996.6	1433.9	506.8	81.0	0.949	0.999	0.999	0.002	0.999	0.004	0.000	0.03	0.21
7	-1.000	14.142	0.000	0.950	996.2	1432.8	506.3	80.8	0.947	0.997	1.000	0.005	0.997	0.005	0.001	0.03	0.27
8	0.000	14.142	0.000	0.949	995.6	1433.0	505.9	81.0	0.948	0.999	1.000	0.003	0.999	0.005	0.000	0.01	0.31
9	1.000	14.142	0.000	0.949	995.6	1434.2	506.3	81.1	0.949	1.000	1.000	0.000	1.000	0.006	-0.000	-0.02	0.36
10	2.000	14.142	0.000	0.951	997.0	1433.4	507.2	80.9	0.952	1.001	1.000	-0.001	1.001	0.007	-0.000	-0.01	0.42
11	3.000	14.142	0.000	0.951	997.7	1432.5	506.9	81.0	0.953	1.001	1.000	-0.003	1.001	0.008	0.000	0.00	0.46
12	4.000	14.142	0.000	0.951	997.7	1433.3	507.2	80.9	0.957	1.005	1.000	-0.011	1.005	0.009	-0.000	-0.02	0.50
13	5.000	14.142	0.000	0.952	998.3	1432.6	507.3	80.9	0.960	1.007	0.999	-0.015	1.007	0.009	-0.000	-0.02	0.50
14	6.000	14.142	0.000	0.950	996.9	1432.5	506.5	80.9	0.961	1.009	1.000	-0.018	1.009	0.006	-0.000	-0.01	0.45
15	7.000	14.142	0.000	0.952	998.4	1432.7	507.5	80.8	0.962	1.009	1.000	-0.017	1.009	0.008	0.000	0.01	0.43
16	8.000	14.142	0.000	0.954	999.6	1432.7	508.2	80.7	0.963	1.009	1.000	-0.017	1.009	0.006	-0.000	-0.00	0.37
18	9.000	14.142	0.000	0.951	997.3	1430.2	506.0	80.7	0.956	1.004	1.000	-0.008	1.004	0.007	0.000	0.03	0.39
19	10.000	14.142	0.000	0.954	1000.1	1434.0	508.8	80.9	0.958	1.004	1.000	-0.008	1.004	0.007	0.000	0.01	0.39
20	11.000	14.142	0.000	0.950	996.2	1431.7	505.8	80.9	0.951	1.001	1.000	-0.001	1.001	0.008	0.001	0.06	0.43
21	12.000	14.142	0.000	0.952	998.6	1433.2	507.7	80.9	0.955	1.002	1.000	-0.004	1.002	0.008	0.001	0.08	0.45
23	13.000	14.142	0.000	0.946	992.7	1431.6	503.9	80.9	0.948	1.002	1.000	-0.003	1.002	0.009	0.003	0.15	0.50
24	14.000	14.142	0.000	0.949	996.1	1433.3	506.3	81.0	0.956	1.005	1.000	-0.011	1.005	0.009	0.003	0.14	0.53
25	15.000	14.142	0.000	0.954	1000.0	1433.7	508.6	81.0	0.964	1.009	1.000	-0.019	1.009	0.010	0.004	0.25	0.56
26	16.000	14.142	0.000	0.951	997.6	1433.8	507.3	81.0	0.969	1.016	1.000	-0.032	1.016	0.009	0.006	0.34	0.50
30	17.000	14.142	0.000	0.946	993.4	1432.6	504.5	81.0	0.976	1.027	1.001	-0.053	1.027	0.005	0.009	0.51	0.25
31	18.000	14.142	0.000	0.953	999.4	1434.8	508.7	81.0	1.001	1.042	1.000	-0.085	1.042	-0.002	0.011	0.62	-0.11
32	19.000	14.142	0.000	0.952	997.9	1433.2	507.3	80.9	0.971	1.018	1.000	-0.035	1.017	-0.003	0.013	0.71	-0.17
33	20.000	14.142	0.000	0.949	995.4	1432.4	505.6	81.1	0.954	1.004	1.000	-0.008	1.004	-0.001	0.013	0.74	-0.06
34	21.000	14.142	0.000	0.951	997.3	1434.0	507.2	81.0	0.955	1.004	1.000	-0.007	1.003	-0.000	0.013	0.75	-0.00
35	22.000	14.142	0.000	0.952	998.6	1433.0	507.6	80.9	0.958	1.006	1.000	-0.011	1.005	0.000	0.013	0.73	0.01
36	23.000	14.142	0.000	0.951	997.4	1434.1	507.3	81.0	0.956	1.004	1.000	-0.009	1.004	0.001	0.013	0.73	0.06
38	24.000	14.142	0.000	0.952	997.9	1432.2	507.0	80.8	0.959	1.006	1.000	-0.012	1.006	0.001	0.013	0.72	0.05

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS
TC-532	758	3.000	0.00	21	1601	0.02

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SATL
6	-6.000	0.000	-14.142	1.050	1082.9	1394.4	535.7	80.7	1.049	0.999	0.998	-0.001	0.999	-0.000	0.004	0.23	-0.02
7	-5.000	0.000	-14.142	1.047	1080.4	1392.2	533.8	80.7	1.045	0.999	0.999	0.002	0.999	0.000	0.005	0.29	0.01
8	-4.000	0.000	-14.142	1.046	1079.6	1393.1	533.8	80.7	1.043	0.998	0.999	0.002	0.998	-0.000	0.005	0.26	-0.02
9	-3.000	0.000	-14.142	1.046	1079.3	1393.2	533.6	80.7	1.042	0.997	0.999	0.004	0.997	-0.000	0.004	0.24	-0.02
12	-2.000	0.000	-14.142	1.046	1079.4	1393.8	533.9	80.7	1.042	0.997	0.999	0.004	0.997	-0.001	0.004	0.24	-0.04
13	-1.000	0.000	-14.142	1.049	1082.0	1393.6	535.0	80.7	1.048	0.999	0.999	0.000	0.999	-0.000	0.004	0.21	-0.03
14	0.000	0.000	-14.142	1.049	1081.8	1393.3	534.9	80.6	1.049	1.000	0.998	-0.003	1.000	-0.001	0.004	0.25	-0.04
15	1.000	0.000	-14.142	1.048	1081.8	1395.1	535.4	80.8	1.036	0.990	0.998	0.018	0.990	-0.001	0.001	0.05	-0.08
16	2.000	0.000	-14.142	1.046	1079.3	1393.3	533.8	80.6	1.004	0.967	0.999	0.064	0.967	-0.001	-0.005	-0.39	-0.06
17	3.000	0.000	-14.142	1.048	1080.7	1393.6	534.6	80.4	1.002	0.964	0.998	0.070	0.964	-0.001	-0.007	-0.39	-0.07
18	4.000	0.000	-14.142	1.048	1081.4	1394.0	535.0	80.5	1.006	0.966	0.999	0.066	0.966	-0.001	-0.008	-0.46	-0.08
19	5.000	0.000	-14.142	1.048	1081.3	1393.0	534.5	80.6	1.013	0.972	0.999	0.054	0.972	-0.001	-0.009	-0.50	-0.06
20	6.000	0.000	-14.142	1.047	1080.6	1392.4	534.0	80.5	1.033	0.989	0.999	0.022	0.988	-0.001	-0.010	-0.59	-0.06
21	7.000	0.000	-14.142	1.051	1083.3	1393.2	535.6	80.4	1.045	0.996	0.999	0.007	0.996	-0.001	-0.012	-0.67	-0.06
22	8.000	0.000	-14.142	1.051	1084.0	1394.3	536.2	80.6	1.058	1.005	0.998	-0.013	1.005	-0.000	-0.012	-0.67	-0.03
23	9.000	0.000	-14.142	1.051	1083.6	1393.6	535.8	80.5	1.064	1.010	0.998	-0.023	1.010	-0.001	-0.010	-0.58	-0.05
24	10.000	0.000	-14.142	1.051	1083.4	1392.8	535.4	80.5	1.076	1.019	0.998	-0.041	1.019	-0.001	-0.006	-0.37	-0.06
25	11.000	0.000	-14.142	1.051	1083.9	1393.1	535.8	80.5	1.085	1.026	0.998	-0.053	1.026	-0.001	-0.005	-0.28	-0.05
26	12.000	0.000	-14.142	1.052	1084.8	1393.3	536.2	80.6	1.096	1.033	0.997	-0.070	1.033	-0.000	-0.000	-0.01	-0.02
27	13.000	0.000	-14.142	1.052	1084.9	1393.5	536.4	80.5	1.106	1.041	0.997	-0.086	1.041	0.000	0.004	0.19	0.00
28	14.000	0.000	-14.142	1.049	1081.9	1391.9	534.3	80.6	1.108	1.046	0.998	-0.094	1.046	0.000	0.010	0.57	0.01
29	15.000	0.000	-14.142	1.055	1087.2	1394.2	537.5	80.7	1.100	1.035	0.997	-0.073	1.035	0.001	0.007	0.39	0.05
30	16.000	0.000	-14.142	1.049	1082.1	1392.5	534.7	80.6	1.017	0.975	0.998	0.048	0.975	-0.000	0.003	0.17	-0.02
31	17.000	0.000	-14.142	1.052	1084.6	1392.8	536.0	80.5	1.032	0.984	0.998	0.029	0.984	-0.001	0.001	0.07	-0.04
32	18.000	0.000	-14.142	1.052	1084.9	1392.2	535.8	80.7	1.037	0.988	0.999	0.023	0.988	-0.000	0.004	0.23	-0.02
34	19.000	0.000	-14.142	1.052	1084.7	1394.4	536.6	80.5	1.040	0.991	0.998	0.016	0.991	0.000	0.007	0.42	0.01
36	20.000	0.000	-14.142	1.051	1083.8	1393.2	535.7	80.6	1.038	0.990	0.998	0.018	0.990	-0.001	0.012	0.69	-0.07
37	21.000	0.000	-14.142	1.053	1085.9	1394.2	537.0	80.7	1.060	1.005	0.998	-0.012	1.005	-0.001	0.013	0.73	-0.04
39	22.000	0.000	-14.142	1.050	1082.8	1393.7	535.4	80.7	1.083	1.026	0.998	-0.053	1.025	-0.001	0.015	0.84	-0.06
40	23.000	0.000	-14.142	1.052	1084.9	1394.4	536.6	80.7	1.089	1.028	0.997	-0.061	1.028	-0.001	0.017	0.96	-0.06
41	24.000	0.000	-14.142	1.054	1086.1	1391.9	536.2	80.6	1.004	0.961	0.998	0.075	0.961	-0.001	0.002	0.14	-0.03

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	759	2.999	0.00	21	1602	0.02	2-22-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SATL
2	-6.000	14.142	0.000	1.048	1081.1	1393.5	534.7	80.5	1.052	1.003	0.999	-0.008	1.003	0.002	0.001	0.03	0.12
3	-5.000	14.142	0.000	1.049	1082.0	1392.3	534.6	80.4	1.049	1.000	0.999	-0.002	1.000	0.001	0.001	0.06	0.07
4	-4.000	14.142	0.000	1.049	1082.3	1392.8	534.9	80.6	1.046	0.998	0.999	0.004	0.998	0.001	0.001	0.06	0.04
5	-3.000	14.142	0.000	1.050	1082.7	1394.0	535.5	80.6	1.049	1.000	0.999	-0.001	1.000	0.001	0.000	0.02	0.05
6	-2.000	14.142	0.000	1.050	1082.8	1393.8	535.5	80.5	1.045	0.996	0.998	0.006	0.996	0.001	0.001	0.04	0.04
7	-1.000	14.142	0.000	1.051	1083.3	1393.1	535.5	80.5	1.044	0.995	0.999	0.009	0.995	0.001	0.001	0.07	0.05
8	0.000	14.142	0.000	1.052	1084.6	1393.4	536.2	80.6	1.047	0.996	0.999	0.007	0.996	0.001	0.001	0.07	0.08
9	1.000	14.142	0.000	1.052	1084.8	1394.1	536.5	80.6	1.041	0.991	0.999	0.017	0.991	0.002	0.001	0.06	0.14
10	2.000	14.142	0.000	1.054	1086.2	1392.6	536.5	80.7	1.015	0.969	0.998	0.059	0.969	0.008	0.001	0.07	0.45
12	3.000	14.142	0.000	1.053	1085.6	1392.3	536.1	80.7	1.014	0.969	0.999	0.061	0.969	0.011	0.001	0.05	0.67
13	4.000	14.142	0.000	1.054	1086.4	1393.8	537.1	80.7	1.017	0.971	0.999	0.057	0.971	0.012	0.000	0.01	0.72
14	5.000	14.142	0.000	1.052	1085.0	1394.1	536.6	80.6	1.018	0.973	0.999	0.053	0.973	0.012	-0.001	-0.03	0.72
15	6.000	14.142	0.000	1.054	1086.4	1394.0	537.2	80.5	1.030	0.981	0.999	0.036	0.981	0.013	-0.000	-0.02	0.79
16	7.000	14.142	0.000	1.050	1083.2	1392.5	535.2	80.6	1.045	0.996	0.999	0.007	0.996	0.016	-0.000	-0.02	0.91
17	8.000	14.142	0.000	1.053	1085.7	1393.7	536.7	80.7	1.053	1.000	0.999	-0.001	0.999	0.015	-0.001	-0.03	0.85
19	9.000	14.142	0.000	1.052	1084.6	1395.2	536.8	80.7	1.061	1.007	0.998	-0.016	1.007	0.013	-0.001	-0.04	0.74
20	10.000	14.142	0.000	1.051	1083.8	1392.5	535.4	80.6	1.066	1.012	0.999	-0.025	1.012	0.010	0.001	0.03	0.59
21	11.000	14.142	0.000	1.053	1085.4	1394.4	536.9	80.5	1.079	1.020	0.998	-0.041	1.020	0.007	0.001	0.07	0.41
22	12.000	14.142	0.000	1.051	1083.6	1392.6	535.5	80.4	1.092	1.032	0.998	-0.065	1.032	0.004	0.002	0.09	0.22
23	13.000	14.142	0.000	1.053	1085.1	1393.2	536.3	80.5	1.104	1.039	0.998	-0.080	1.039	0.001	0.001	0.03	0.05
24	14.000	14.142	0.000	1.052	1084.6	1394.6	536.6	80.6	1.113	1.047	0.998	-0.095	1.046	-0.005	-0.002	-0.12	-0.25
26	15.000	14.142	0.000	1.050	1082.9	1393.7	535.5	80.6	1.068	1.014	0.997	-0.031	1.014	0.000	-0.003	-0.15	0.02
27	16.000	14.142	0.000	1.052	1084.2	1391.5	535.3	80.5	1.030	0.983	1.000	0.034	0.983	0.009	-0.003	-0.17	0.51
29	17.000	14.142	0.000	1.050	1082.7	1393.8	535.4	80.7	1.029	0.984	0.998	0.031	0.984	0.007	-0.002	-0.09	0.38
30	18.000	14.142	0.000	1.053	1084.9	1392.8	536.1	80.4	1.043	0.992	0.999	0.014	0.992	0.001	-0.001	-0.06	0.08
31	19.000	14.142	0.000	1.052	1084.7	1392.4	535.8	80.5	1.059	1.005	0.999	-0.012	1.005	-0.007	-0.001	-0.08	-0.42
33	20.000	14.142	0.000	1.050	1083.1	1392.5	535.2	80.5	1.088	1.029	0.998	-0.060	1.029	-0.014	-0.002	-0.11	-0.80
34	21.000	14.142	0.000	1.054	1086.1	1392.3	536.4	80.6	1.115	1.047	0.998	-0.095	1.046	-0.020	-0.002	-0.09	-1.09
36	22.000	14.142	0.000	1.047	1080.3	1393.7	534.3	80.6	1.020	0.979	0.998	0.039	0.979	0.002	-0.002	-0.14	0.11
37	23.000	14.142	0.000	1.048	1081.7	1391.8	534.2	80.7	1.020	0.977	0.999	0.044	0.977	0.003	-0.002	-0.11	0.17
38	24.000	14.142	0.000	1.053	1085.3	1393.1	536.3	80.6	1.016	0.971	0.999	0.057	0.971	0.003	-0.002	-0.10	0.17

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REA10-6	ALPA	CONFIG	SURVEY	ALPAS
TC-532	916	3.002	2.00	21	1601	0.00

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SATL
7	-6.000	0.000	-14.142	1.052	1088.0	1406.2	541.0	84.1	1.057	1.004	0.998	-0.010	1.004	-0.002	0.004	0.23	-0.09
8	-5.000	0.000	-14.142	1.051	1086.9	1404.8	540.0	84.2	1.058	1.006	0.999	-0.012	1.006	-0.001	0.005	0.27	-0.07
9	-4.000	0.000	-14.142	1.050	1086.3	1405.4	539.9	84.2	1.053	1.003	0.999	-0.007	1.003	-0.001	0.004	0.24	-0.07
10	-3.000	0.000	-14.142	1.050	1086.0	1406.4	540.3	84.0	1.054	1.003	0.999	-0.008	1.003	-0.002	0.004	0.23	-0.10
11	-2.000	0.000	-14.142	1.049	1085.6	1405.8	539.8	84.1	1.053	1.003	0.999	-0.008	1.003	-0.002	0.005	0.27	-0.10
12	-1.000	0.000	-14.142	1.049	1085.3	1405.0	539.4	84.1	1.054	1.004	1.000	-0.008	1.004	-0.002	0.004	0.24	-0.10
13	0.000	0.000	-14.142	1.050	1086.6	1406.5	540.5	84.1	1.055	1.004	0.998	-0.009	1.004	-0.002	0.004	0.23	-0.11
14	1.000	0.000	-14.142	1.050	1086.3	1404.6	539.7	84.1	1.054	1.003	0.999	-0.008	1.003	-0.002	0.003	0.17	-0.14
15	2.000	0.000	-14.142	1.051	1087.5	1404.0	539.9	84.3	1.021	0.976	1.000	0.048	0.976	-0.002	-0.005	-0.27	-0.12
16	3.000	0.000	-14.142	1.052	1088.3	1406.1	541.0	84.3	1.021	0.976	0.999	0.047	0.976	-0.002	-0.007	-0.41	-0.12
17	4.000	0.000	-14.142	1.051	1087.4	1405.2	540.3	84.1	1.019	0.975	0.999	0.050	0.975	-0.002	-0.008	-0.47	-0.11
18	5.000	0.000	-14.142	1.050	1086.4	1404.0	539.4	84.2	1.023	0.979	1.000	0.043	0.979	-0.002	-0.008	-0.47	-0.13
19	6.000	0.000	-14.142	1.050	1086.5	1405.2	540.0	84.1	1.033	0.987	0.999	0.025	0.987	-0.002	-0.009	-0.54	-0.10
20	7.000	0.000	-14.142	1.051	1087.5	1405.6	540.6	84.1	1.048	0.998	0.999	0.004	0.998	-0.002	-0.011	-0.66	-0.10
21	8.000	0.000	-14.142	1.051	1087.3	1405.1	540.3	84.0	1.059	1.006	0.999	-0.014	1.006	-0.002	-0.012	-0.69	-0.10
22	9.000	0.000	-14.142	1.052	1088.5	1406.0	541.1	84.2	1.068	1.012	0.999	-0.026	1.012	-0.002	-0.011	-0.63	-0.11
23	10.000	0.000	-14.142	1.053	1088.8	1405.8	541.2	84.2	1.078	1.020	0.998	-0.041	1.020	-0.002	-0.009	-0.53	-0.14
24	11.000	0.000	-14.142	1.052	1088.0	1404.9	540.5	84.1	1.087	1.027	0.999	-0.055	1.027	-0.002	-0.006	-0.35	-0.10
25	12.000	0.000	-14.142	1.053	1089.3	1405.3	541.1	84.3	1.093	1.031	0.999	-0.063	1.031	-0.001	-0.002	-0.09	-0.08
26	13.000	0.000	-14.142	1.053	1089.1	1405.2	541.1	84.2	1.106	1.041	0.998	-0.084	1.041	-0.001	0.002	0.13	-0.06
27	14.000	0.000	-14.142	1.054	1089.9	1406.6	541.9	84.4	1.117	1.048	0.997	-0.099	1.048	-0.001	0.007	0.37	-0.06
28	15.000	0.000	-14.142	1.053	1088.9	1406.1	541.3	84.3	1.112	1.045	0.998	-0.093	1.045	-0.001	0.009	0.47	-0.05
30	16.000	0.000	-14.142	1.053	1089.1	1405.9	541.3	84.2	1.013	0.968	0.998	0.061	0.968	-0.001	-0.005	-0.28	-0.07
32	17.000	0.000	-14.142	1.053	1089.1	1406.6	541.5	84.5	1.027	0.980	0.999	0.040	0.980	-0.002	-0.004	-0.25	-0.09
34	18.000	0.000	-14.142	1.051	1087.5	1405.5	540.9	84.4	1.024	0.979	1.000	0.041	0.979	-0.001	-0.001	-0.08	-0.07
36	19.000	0.000	-14.142	1.053	1089.1	1405.9	541.3	84.3	1.029	0.981	1.000	0.037	0.981	-0.001	0.001	0.05	-0.06
38	20.000	0.000	-14.142	1.052	1087.9	1405.8	540.7	84.3	1.043	0.994	1.000	0.012	0.994	-0.002	0.003	0.17	-0.09
39	21.000	0.000	-14.142	1.054	1090.2	1406.9	542.1	84.4	1.065	1.006	0.998	-0.019	1.006	-0.002	0.004	0.22	-0.10
40	22.000	0.000	-14.142	1.053	1089.5	1405.5	541.3	84.4	1.084	1.023	0.999	-0.048	1.023	-0.002	0.007	0.41	-0.09
41	23.000	0.000	-14.142	1.054	1089.6	1406.7	541.8	84.3	1.103	1.038	0.998	-0.077	1.038	-0.002	0.012	0.68	-0.10
42	24.000	0.000	-14.142	1.053	1089.3	1405.8	541.4	84.3	1.049	0.996	0.998	0.004	0.996	-0.002	-0.000	-0.02	-0.09

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	917	2.997	2.00	21	1602	0.00	2-22-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
2	-6.000	14.142	0.000	1.049	1085.7	1405.2	539.5	84.3	1.058	1.007	0.999	-0.015	1.007	0.001	0.001	0.04	0.06
3	-5.000	14.142	0.000	1.050	1086.4	1407.0	540.4	84.5	1.058	1.006	0.999	-0.014	1.006	0.001	0.001	0.06	0.04
4	-4.000	14.142	0.000	1.050	1086.3	1406.2	540.1	84.4	1.054	1.003	0.999	-0.007	1.003	0.000	0.001	0.05	0.00
5	-3.000	14.142	0.000	1.050	1086.2	1407.1	540.5	84.2	1.056	1.005	0.999	-0.011	1.005	0.000	0.000	0.02	0.03
6	-2.000	14.142	0.000	1.050	1086.8	1405.3	540.0	84.3	1.052	1.001	0.999	-0.004	1.001	0.000	0.001	0.04	0.00
7	-1.000	14.142	0.000	1.051	1087.7	1407.0	541.1	84.4	1.051	1.000	0.999	-0.001	1.000	0.000	0.001	0.07	0.01
8	0.000	14.142	0.000	1.052	1088.5	1407.7	541.6	84.6	1.053	1.001	0.998	-0.003	1.001	0.000	0.001	0.06	0.02
9	1.000	14.142	0.000	1.053	1089.3	1407.5	541.9	84.5	1.048	0.996	0.999	0.007	0.996	0.002	0.001	0.07	0.09
10	2.000	14.142	0.000	1.053	1088.9	1406.7	541.5	84.4	1.025	0.978	0.999	0.043	0.978	0.007	0.000	0.02	0.43
11	3.000	14.142	0.000	1.054	1090.1	1407.8	542.4	84.4	1.027	0.979	0.999	0.042	0.979	0.010	0.000	0.01	0.59
13	4.000	14.142	0.000	1.054	1090.3	1406.0	541.8	84.4	1.026	0.978	1.000	0.043	0.978	0.012	-0.001	-0.04	0.58
14	5.000	14.142	0.000	1.054	1090.5	1407.0	542.2	84.5	1.027	0.979	0.999	0.042	0.978	0.012	-0.001	-0.08	0.67
15	6.000	14.142	0.000	1.053	1089.1	1407.3	541.8	84.4	1.038	0.988	0.999	0.023	0.988	0.013	-0.001	-0.07	0.74
18	7.000	14.142	0.000	1.048	1085.3	1407.2	540.0	84.5	1.051	1.002	0.999	-0.006	1.002	0.015	-0.001	-0.05	0.64
19	8.000	14.142	0.000	1.050	1086.9	1406.6	540.6	84.3	1.056	1.004	1.000	-0.009	1.004	0.014	-0.001	-0.03	0.79
20	9.000	14.142	0.000	1.053	1089.3	1405.8	541.3	84.4	1.065	1.009	0.999	-0.019	1.009	0.013	-0.001	-0.03	0.72
21	10.000	14.142	0.000	1.053	1089.7	1408.5	542.4	84.6	1.075	1.017	0.999	-0.035	1.017	0.010	-0.000	-0.03	0.56
22	11.000	14.142	0.000	1.053	1089.8	1406.6	541.6	84.5	1.082	1.022	0.999	-0.046	1.022	0.007	0.001	0.06	0.36
23	12.000	14.142	0.000	1.053	1088.9	1407.1	541.6	84.4	1.094	1.032	0.999	-0.065	1.032	0.003	0.002	0.10	0.15
26	13.000	14.142	0.000	1.049	1085.8	1405.9	540.1	84.5	1.103	1.042	0.999	-0.085	1.042	-0.001	0.000	0.01	-0.05
27	14.000	14.142	0.000	1.052	1088.8	1408.3	542.0	84.5	1.113	1.047	0.997	-0.096	1.047	-0.006	-0.001	-0.17	-0.30
30	15.000	14.142	0.000	1.051	1087.7	1407.1	541.0	84.6	1.074	1.018	0.998	-0.039	1.018	0.003	-0.004	-0.20	0.15
31	16.000	14.142	0.000	1.053	1089.5	1406.9	541.8	84.4	1.039	0.989	0.999	0.022	0.989	0.008	-0.002	-0.11	0.47
32	17.000	14.142	0.000	1.054	1090.1	1408.0	542.5	84.5	1.036	0.986	0.999	0.026	0.986	0.007	0.001	0.04	0.44
33	18.000	14.142	0.000	1.054	1089.9	1407.3	542.1	84.5	1.049	0.996	0.999	0.005	0.996	0.001	0.003	0.20	0.06
35	19.000	14.142	0.000	1.051	1087.4	1406.7	540.8	84.5	1.069	1.014	0.999	-0.030	1.014	-0.008	0.005	0.27	-0.46
36	20.000	14.142	0.000	1.053	1089.4	1406.7	541.6	84.6	1.093	1.031	0.999	-0.063	1.031	-0.014	0.006	0.32	-0.80
38	21.000	14.142	0.000	1.050	1087.3	1407.0	540.8	84.6	1.117	1.051	0.998	-0.105	1.051	-0.020	0.006	0.32	-1.07
39	22.000	14.142	0.000	1.053	1089.7	1406.6	541.7	84.5	1.089	1.028	0.998	-0.058	1.028	-0.009	0.006	0.34	-0.53
42	23.000	14.142	0.000	1.050	1086.2	1406.2	540.1	84.3	1.034	0.988	1.000	0.023	0.988	0.003	0.005	0.31	0.18
43	24.000	14.142	0.000	1.053	1089.3	1406.3	541.5	84.4	1.030	0.982	0.999	0.035	0.982	0.002	0.004	0.23	0.13

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	932	3.001	5.00	21	1601	0.00	2-22-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SATL
14	-6.000	0.000	-14.142	1.054	1090.8	1408.7	542.7	85.2	1.059	1.004	0.999	-0.009	1.004	-0.001	0.004	0.22	-0.05
15	-5.000	0.000	-14.142	1.050	1087.8	1408.9	541.5	85.1	1.056	1.005	0.999	-0.011	1.005	-0.001	0.005	0.26	-0.04
16	-4.000	0.000	-14.142	1.049	1086.4	1408.8	540.8	85.2	1.053	1.003	1.000	-0.007	1.003	-0.001	0.004	0.22	-0.05
17	-3.000	0.000	-14.142	1.049	1086.8	1409.6	541.3	85.3	1.052	1.002	0.998	-0.006	1.002	-0.001	0.004	0.23	-0.07
18	-2.000	0.000	-14.142	1.048	1085.4	1408.1	540.2	85.0	1.051	1.003	1.000	-0.005	1.003	-0.001	0.004	0.22	-0.04
19	-1.000	0.000	-14.142	1.047	1085.2	1408.3	540.1	85.1	1.052	1.004	0.999	-0.008	1.004	-0.001	0.004	0.23	-0.07
20	0.000	0.000	-14.142	1.049	1086.7	1407.8	540.6	85.2	1.055	1.004	1.000	-0.008	1.004	-0.002	0.004	0.21	-0.09
21	1.000	0.000	-14.142	1.049	1087.0	1410.1	541.5	85.3	1.055	1.005	0.998	-0.012	1.005	-0.002	0.003	0.17	-0.10
22	2.000	0.000	-14.142	1.051	1088.7	1408.4	541.7	85.3	1.033	0.985	0.999	0.028	0.985	-0.002	-0.002	-0.14	-0.13
23	3.000	0.000	-14.142	1.050	1087.4	1408.9	541.3	85.2	1.022	0.978	0.999	0.043	0.978	-0.002	-0.006	-0.37	-0.10
24	4.000	0.000	-14.142	1.050	1087.6	1410.4	542.0	85.2	1.020	0.977	0.999	0.045	0.977	-0.002	-0.008	-0.46	-0.11
25	5.000	0.000	-14.142	1.049	1086.3	1408.5	540.7	85.1	1.020	0.977	0.999	0.044	0.977	-0.001	-0.008	-0.46	-0.09
26	6.000	0.000	-14.142	1.051	1088.9	1409.6	542.2	85.3	1.028	0.981	0.999	0.036	0.981	-0.002	-0.009	-0.52	-0.10
27	7.000	0.000	-14.142	1.051	1088.6	1410.9	542.6	85.3	1.043	0.993	0.999	0.011	0.993	-0.001	-0.010	-0.60	-0.07
28	8.000	0.000	-14.142	1.052	1088.9	1408.0	541.7	85.1	1.055	1.003	0.999	-0.006	1.002	-0.001	-0.012	-0.68	-0.05
29	9.000	0.000	-14.142	1.052	1089.3	1409.5	542.4	85.2	1.065	1.010	0.999	-0.020	1.010	-0.001	-0.012	-0.70	-0.08
30	10.000	0.000	-14.142	1.053	1089.9	1409.0	542.5	85.2	1.074	1.016	0.999	-0.034	1.016	-0.001	-0.011	-0.60	-0.08
31	11.000	0.000	-14.142	1.051	1088.4	1408.0	541.4	85.2	1.083	1.025	0.999	-0.050	1.025	-0.001	-0.008	-0.47	-0.07
32	12.000	0.000	-14.142	1.052	1089.1	1410.0	542.4	85.3	1.093	1.032	0.998	-0.065	1.032	-0.001	-0.004	-0.21	-0.04
33	13.000	0.000	-14.142	1.052	1089.2	1407.7	541.6	85.3	1.104	1.040	0.999	-0.082	1.040	-0.001	-0.001	-0.05	-0.04
35	14.000	0.000	-14.142	1.053	1089.7	1407.1	541.7	85.0	1.113	1.046	0.999	-0.093	1.046	-0.001	0.004	0.23	-0.04
37	15.000	0.000	-14.142	1.052	1089.6	1406.6	541.4	85.3	1.032	0.984	0.998	0.029	0.984	0.000	-0.006	-0.48	0.03
39	16.000	0.000	-14.142	1.048	1085.7	1406.3	539.6	85.0	0.979	0.945	0.999	0.108	0.945	-0.001	-0.011	-0.70	-0.03
43	17.000	0.000	-14.142	1.051	1088.0	1402.6	539.3	84.9	0.991	0.953	1.000	0.095	0.953	-0.001	-0.011	-0.68	-0.03
45	18.000	0.000	-14.142	1.051	1088.0	1403.9	539.9	84.7	1.009	0.967	0.999	0.064	0.967	-0.001	-0.011	-0.64	-0.04
47	19.000	0.000	-14.142	1.053	1090.0	1402.8	540.3	84.9	1.031	0.983	0.999	0.034	0.983	-0.000	-0.011	-0.65	-0.01
48	20.000	0.000	-14.142	1.055	1091.1	1402.7	540.7	84.8	1.047	0.994	0.999	0.011	0.994	-0.000	-0.010	-0.58	-0.02
49	21.000	0.000	-14.142	1.054	1090.7	1400.1	539.6	84.7	1.061	1.005	0.999	-0.011	1.005	-0.001	-0.008	-0.43	-0.05
50	22.000	0.000	-14.142	1.054	1090.6	1398.8	538.8	84.6	1.077	1.018	0.999	-0.038	1.018	-0.001	-0.004	-0.24	-0.03
51	23.000	0.000	-14.142	1.053	1089.8	1397.9	538.4	84.6	1.095	1.032	0.998	-0.067	1.032	-0.000	0.000	0.02	-0.01
54	24.000	0.000	-14.142	1.052	1088.6	1398.2	537.9	84.7	1.112	1.046	0.997	-0.096	1.046	-0.000	0.006	0.32	-0.03

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS
TC-532	933	2.969	5.00	21	1602	0.00

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
3	-6.000	14.142	0.000	1.050	1086.8	1391.5	534.8	84.2	1.058	1.006	0.999	-0.013	1.006	0.002	0.001	0.06	0.10
4	-5.000	14.142	0.000	1.050	1086.9	1393.2	535.4	84.3	1.058	1.006	0.999	-0.013	1.006	0.001	0.001	0.05	0.07
5	-4.000	14.142	0.000	1.050	1087.1	1391.5	534.8	84.5	1.055	1.003	1.000	-0.007	1.003	0.001	0.001	0.04	0.04
6	-3.000	14.142	0.000	1.051	1087.5	1392.4	535.4	84.3	1.056	1.004	0.999	-0.010	1.004	0.001	0.000	0.02	0.03
7	-2.000	14.142	0.000	1.052	1088.4	1391.7	535.6	84.2	1.055	1.002	0.999	-0.006	1.002	0.001	0.000	0.01	0.04
8	-1.000	14.142	0.000	1.052	1088.5	1391.2	535.4	84.2	1.052	1.000	0.999	-0.000	1.000	0.001	0.001	0.04	0.04
9	0.000	14.142	0.000	1.053	1089.5	1391.1	535.8	84.3	1.054	1.000	0.999	-0.002	1.000	0.001	0.001	0.06	0.05
10	1.000	14.142	0.000	1.054	1089.3	1390.2	535.5	84.0	1.051	0.998	0.999	0.003	0.998	0.001	0.001	0.05	0.08
11	2.000	14.142	0.000	1.053	1089.1	1390.5	535.5	84.1	1.026	0.979	0.999	0.042	0.979	0.007	-0.000	-0.00	0.41
12	3.000	14.142	0.000	1.054	1089.5	1390.1	535.5	84.1	1.025	0.978	0.999	0.044	0.977	0.011	-0.000	-0.02	0.65
13	4.000	14.142	0.000	1.052	1088.4	1390.0	534.8	84.4	1.020	0.975	0.999	0.049	0.975	0.012	-0.002	-0.09	0.69
14	5.000	14.142	0.000	1.053	1089.5	1390.4	535.5	84.4	1.026	0.978	0.999	0.042	0.978	0.012	-0.002	-0.12	0.72
19	6.000	14.142	0.000	1.051	1087.2	1389.3	534.2	84.1	1.038	0.990	0.999	0.020	0.990	0.014	-0.002	-0.11	0.79
20	7.000	14.142	0.000	1.052	1088.2	1388.8	534.3	84.4	1.048	0.997	1.000	0.006	0.997	0.015	-0.001	-0.08	0.87
24	8.000	14.142	0.000	1.051	1087.7	1388.9	534.2	84.3	1.057	1.005	0.999	-0.010	1.004	0.015	-0.001	-0.04	0.86
25	9.000	14.142	0.000	1.053	1089.4	1389.2	535.0	84.3	1.064	1.008	0.999	-0.018	1.008	0.013	-0.001	-0.03	0.74
35	10.000	14.142	0.000	1.050	1086.1	1389.9	534.0	84.0	1.073	1.018	0.999	-0.037	1.018	0.010	0.001	0.06	0.56
36	11.000	14.142	0.000	1.049	1085.8	1394.7	535.7	84.0	1.083	1.026	0.999	-0.053	1.026	0.007	0.002	0.10	0.40
37	12.000	14.142	0.000	1.051	1087.8	1401.6	539.1	84.3	1.094	1.033	0.998	-0.068	1.033	0.003	0.002	0.14	0.18
38	13.000	14.142	0.000	1.051	1087.3	1404.4	539.9	84.3	1.100	1.038	0.999	-0.076	1.038	-0.000	0.002	0.09	-0.01
39	14.000	14.142	0.000	1.053	1089.0	1406.2	541.3	84.4	1.108	1.042	0.998	-0.086	1.042	-0.003	0.001	0.05	-0.16
40	15.000	14.142	0.000	1.053	1089.4	1406.9	541.6	84.7	1.025	0.978	0.999	0.042	0.978	0.015	-0.002	-0.14	0.89
43	16.000	14.142	0.000	1.051	1087.3	1407.8	541.2	84.4	1.015	0.972	0.999	0.055	0.972	0.017	0.002	0.13	0.98
44	17.000	14.142	0.000	1.053	1089.9	1408.5	542.4	84.8	1.028	0.980	0.999	0.038	0.980	0.013	0.000	0.37	0.77
46	18.000	14.142	0.000	1.051	1087.7	1408.1	541.3	84.7	1.051	1.000	0.999	-0.002	1.000	0.006	0.010	0.55	0.35
47	19.000	14.142	0.000	1.054	1090.8	1409.0	543.0	84.8	1.087	1.025	0.999	-0.052	1.025	-0.002	0.013	0.74	-0.10
49	20.000	14.142	0.000	1.052	1088.6	1408.4	541.6	84.9	1.119	1.052	0.998	-0.105	1.052	-0.011	0.017	0.95	-0.61
51	21.000	14.142	0.000	1.054	1090.3	1409.3	542.4	84.9	1.143	1.068	0.997	-0.138	1.068	-0.020	0.021	1.13	-1.10
52	22.000	14.142	0.000	1.054	1090.3	1408.7	542.0	84.9	1.111	1.044	0.998	-0.093	1.044	-0.009	0.019	1.04	-0.59
53	23.000	14.142	0.000	1.054	1090.2	1408.1	542.4	84.7	1.071	1.014	0.999	-0.029	1.013	0.001	0.019	1.05	0.07
55	24.000	14.142	0.000	1.052	1089.0	1407.9	541.7	85.0	1.047	0.996	0.999	0.007	0.996	0.004	0.015	0.86	0.24

DATE 8-MAR-78 PROJECT NO P41C-N0C

ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	439	3.000	0.00	22	1601	0.02	2-20-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
7	-6.000	0.000	-14.142	0.925	976.4	1454.4	501.2	83.3	0.929	1.004	1.000	-0.007	1.004	-0.001	0.006	0.35	-0.03
8	-5.000	0.000	-14.142	0.925	976.1	1454.3	501.0	83.3	0.930	1.005	1.000	-0.009	1.005	-0.001	0.006	0.33	-0.04
9	-4.000	0.000	-14.142	0.924	975.1	1456.2	501.0	83.4	0.929	1.005	1.000	-0.011	1.005	-0.001	0.005	0.27	-0.03
10	-3.000	0.000	-14.142	0.923	974.8	1455.9	500.7	83.3	0.925	1.002	0.999	-0.005	1.002	-0.001	0.005	0.26	-0.04
11	-2.000	0.000	-14.142	0.923	974.8	1454.4	500.3	83.2	0.928	1.004	0.999	-0.009	1.004	-0.001	0.004	0.23	-0.04
12	-1.000	0.000	-14.142	0.921	973.0	1454.4	499.2	83.3	0.926	1.004	0.999	-0.009	1.004	-0.001	0.003	0.18	-0.05
13	0.000	0.000	-14.142	0.924	975.1	1452.3	499.7	83.2	0.928	1.004	1.000	-0.007	1.004	-0.001	0.002	0.13	-0.04
14	1.000	0.000	-14.142	0.926	976.7	1453.3	501.1	83.1	0.931	1.005	1.000	-0.010	1.005	-0.001	0.002	0.09	-0.04
15	2.000	0.000	-14.142	0.924	975.3	1454.5	500.6	83.2	0.928	1.004	0.999	-0.009	1.004	-0.001	0.001	0.04	-0.04
16	3.000	0.000	-14.142	0.925	976.4	1453.2	500.8	83.3	0.936	1.010	1.001	-0.018	1.010	-0.001	-0.000	-0.02	-0.04
17	4.000	0.000	-14.142	0.923	974.6	1453.4	499.8	83.3	0.933	1.009	1.000	-0.017	1.009	-0.001	-0.001	-0.05	-0.04
18	5.000	0.000	-14.142	0.922	973.4	1454.2	499.4	83.2	0.934	1.011	1.000	-0.023	1.011	-0.001	-0.001	-0.04	-0.04
19	6.000	0.000	-14.142	0.925	976.6	1455.4	501.6	83.3	0.940	1.013	0.999	-0.028	1.013	-0.001	-0.000	-0.02	-0.05
20	7.000	0.000	-14.142	0.923	974.2	1454.0	499.8	83.3	0.938	1.014	1.000	-0.028	1.014	-0.001	-0.000	-0.02	-0.03
21	8.000	0.000	-14.142	0.921	973.0	1453.9	499.0	83.3	0.935	1.013	1.000	-0.026	1.013	-0.000	0.000	0.01	-0.03
22	9.000	0.000	-14.142	0.921	973.1	1453.2	498.9	83.3	0.934	1.011	1.000	-0.023	1.011	-0.000	0.001	0.04	-0.02
23	10.000	0.000	-14.142	0.926	977.1	1453.4	501.3	83.2	0.937	1.010	1.000	-0.020	1.010	-0.000	0.001	0.05	-0.02
24	11.000	0.000	-14.142	0.927	978.1	1454.3	502.1	83.3	0.939	1.011	1.000	-0.022	1.011	-0.001	0.001	0.05	-0.05
25	12.000	0.000	-14.142	0.926	977.1	1453.2	501.1	83.4	0.937	1.011	1.000	-0.022	1.011	-0.001	0.001	0.07	-0.04
26	13.000	0.000	-14.142	0.928	979.1	1453.0	502.3	83.2	0.938	1.009	1.000	-0.019	1.009	-0.000	0.002	0.12	-0.01
27	14.000	0.000	-14.142	0.924	975.9	1455.6	501.2	83.4	0.937	1.012	0.999	-0.025	1.012	-0.000	0.002	0.14	-0.02
29	15.000	0.000	-14.142	0.925	976.7	1455.7	501.6	83.6	0.941	1.015	1.000	-0.030	1.015	-0.000	0.004	0.22	-0.01
31	16.000	0.000	-14.142	0.924	975.9	1455.1	501.0	83.5	0.940	1.014	1.000	-0.028	1.014	-0.000	0.005	0.30	-0.01
32	17.000	0.000	-14.142	0.929	980.4	1457.3	504.4	83.4	0.948	1.017	0.999	-0.036	1.017	-0.000	0.006	0.36	-0.01
34	18.000	0.000	-14.142	0.928	978.9	1456.1	503.1	83.6	0.942	1.013	0.999	-0.027	1.013	-0.001	0.007	0.42	-0.03
37	19.000	0.000	-14.142	0.926	978.2	1456.0	502.5	83.9	0.939	1.012	1.000	-0.022	1.012	-0.000	0.008	0.44	-0.02
40	20.000	0.000	-14.142	0.923	974.8	1457.5	501.0	83.9	0.933	1.009	1.000	-0.019	1.009	-0.000	0.008	0.45	-0.03
42	21.000	0.000	-14.142	0.926	978.1	1456.7	502.7	83.9	0.936	1.009	0.999	-0.019	1.009	-0.001	0.008	0.45	-0.03
43	22.000	0.000	-14.142	0.925	977.0	1455.0	501.5	83.8	0.938	1.012	1.000	-0.022	1.012	-0.001	0.008	0.45	-0.03
44	23.000	0.000	-14.142	0.928	979.6	1456.5	503.6	83.6	0.938	1.009	1.000	-0.019	1.009	-0.001	0.008	0.47	-0.05
45	24.000	0.000	-14.142	0.928	979.7	1454.3	502.9	83.6	0.940	1.010	1.000	-0.020	1.010	-0.001	0.009	0.49	-0.06

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	440	2.997	0.00	22	1602	0.01	2-20-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
2	-6.000	14.142	0.000	0.923	975.3	1456.6	500.9	84.0	0.926	1.003	1.000	-0.006	1.003	0.003	0.004	0.22	0.19
3	-5.000	14.142	0.000	0.922	974.4	1456.1	500.2	84.0	0.924	1.002	1.001	-0.003	1.002	0.003	0.004	0.20	0.19
4	-4.000	14.142	0.000	0.922	973.9	1456.0	500.0	83.8	0.923	1.001	1.001	-0.002	1.001	0.004	0.003	0.19	0.22
5	-3.000	14.142	0.000	0.924	976.3	1457.6	501.8	84.1	0.926	1.002	1.000	-0.003	1.002	0.004	0.003	0.18	0.22
6	-2.000	14.142	0.000	0.924	975.7	1456.8	501.3	84.0	0.925	1.001	1.000	-0.001	1.001	0.004	0.004	0.20	0.24
7	-1.000	14.142	0.000	0.923	975.4	1456.6	500.9	84.1	0.925	1.001	1.000	-0.002	1.001	0.005	0.003	0.18	0.29
8	0.000	14.142	0.000	0.926	977.5	1456.8	502.3	83.9	0.925	1.000	1.000	0.001	1.000	0.005	0.003	0.18	0.30
9	1.000	14.142	0.000	0.926	977.9	1456.8	502.5	84.0	0.931	1.005	1.000	-0.009	1.005	0.007	0.003	0.17	0.38
10	2.000	14.142	0.000	0.926	977.7	1456.8	502.4	84.0	0.930	1.004	1.000	-0.007	1.004	0.007	0.003	0.16	0.40
11	3.000	14.142	0.000	0.926	978.2	1456.9	502.7	84.1	0.932	1.005	1.000	-0.010	1.005	0.008	0.003	0.18	0.44
12	4.000	14.142	0.000	0.923	975.6	1457.0	501.1	84.2	0.932	1.008	1.001	-0.014	1.008	0.008	0.003	0.15	0.47
13	5.000	14.142	0.000	0.923	975.3	1456.0	500.7	84.0	0.932	1.009	1.001	-0.015	1.009	0.008	0.003	0.17	0.46
14	6.000	14.142	0.000	0.926	977.4	1456.5	502.1	84.0	0.939	1.012	1.001	-0.023	1.012	0.008	0.002	0.14	0.45
15	7.000	14.142	0.000	0.924	976.0	1456.7	501.3	84.0	0.934	1.009	1.000	-0.018	1.009	0.007	0.003	0.14	0.42
16	8.000	14.142	0.000	0.925	976.7	1456.0	501.6	84.0	0.935	1.009	1.000	-0.018	1.009	0.007	0.003	0.14	0.39
17	9.000	14.142	0.000	0.926	977.8	1457.0	502.5	84.0	0.935	1.008	1.000	-0.016	1.008	0.006	0.002	0.14	0.37
18	10.000	14.142	0.000	0.927	979.3	1457.0	503.3	84.1	0.936	1.008	1.000	-0.016	1.008	0.006	0.002	0.13	0.36
19	11.000	14.142	0.000	0.929	980.3	1456.6	503.7	84.2	0.937	1.008	1.000	-0.014	1.008	0.006	0.002	0.12	0.35
20	12.000	14.142	0.000	0.927	978.8	1457.0	503.0	84.1	0.935	1.008	1.000	-0.015	1.008	0.006	0.002	0.13	0.34
21	13.000	14.142	0.000	0.929	980.6	1457.0	504.1	84.1	0.939	1.009	1.000	-0.019	1.009	0.006	0.002	0.11	0.32
22	14.000	14.142	0.000	0.928	979.4	1458.2	503.9	84.1	0.939	1.011	0.999	-0.022	1.011	0.005	0.002	0.09	0.30
23	15.000	14.142	0.000	0.928	979.4	1457.5	503.6	84.1	0.945	1.016	1.000	-0.032	1.016	0.005	0.001	0.08	0.26
24	16.000	14.142	0.000	0.927	978.5	1456.9	502.9	84.1	0.946	1.018	1.000	-0.035	1.018	0.003	0.001	0.04	0.15
25	17.000	14.142	0.000	0.926	978.0	1457.7	502.9	84.0	0.945	1.018	1.000	-0.035	1.018	0.000	0.000	0.03	0.02
26	18.000	14.142	0.000	0.926	977.9	1457.2	502.7	84.0	0.944	1.016	1.001	-0.032	1.016	-0.001	0.001	0.03	-0.04
27	19.000	14.142	0.000	0.930	981.2	1457.5	504.6	84.1	0.941	1.010	1.000	-0.020	1.010	-0.001	0.000	0.02	-0.04
28	20.000	14.142	0.000	0.927	979.2	1456.9	503.2	84.2	0.938	1.009	1.000	-0.019	1.009	-0.001	0.000	0.00	-0.04
29	21.000	14.142	0.000	0.929	980.9	1456.8	504.1	84.3	0.937	1.007	1.000	-0.015	1.007	-0.000	0.000	0.00	-0.01
33	22.000	14.142	0.000	0.925	976.7	1457.1	501.8	84.1	0.933	1.008	1.000	-0.015	1.008	-0.000	-0.000	-0.02	-0.01
34	23.000	14.142	0.000	0.928	979.7	1457.3	503.6	84.3	0.936	1.008	1.000	-0.015	1.008	-0.000	-0.000	-0.01	-0.01
37	24.000	14.142	0.000	0.927	979.2	1458.0	503.6	84.2	0.936	1.008	1.000	-0.017	1.008	-0.000	-0.001	-0.04	-0.02

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	453	2.995	2.00	22	1601	0.02	2-20-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
8	-6.000	0.000	-14.142	0.922	975.8	1462.2	502.3	85.7	0.927	1.005	1.000	-0.009	1.005	-0.000	0.006	0.32	-0.01
9	-5.000	0.000	-14.142	0.921	975.2	1462.4	501.9	85.8	0.925	1.003	0.999	-0.007	1.003	-0.001	0.006	0.31	-0.03
12	-4.000	0.000	-14.142	0.920	974.6	1463.8	501.9	86.0	0.924	1.003	1.000	-0.007	1.003	0.000	0.005	0.26	0.00
13	-3.000	0.000	-14.142	0.923	976.9	1463.1	503.2	85.8	0.925	1.002	1.000	-0.004	1.002	-0.000	0.005	0.26	-0.01
14	-2.000	0.000	-14.142	0.923	976.5	1463.4	503.0	85.9	0.926	1.003	1.000	-0.006	1.003	-0.000	0.004	0.24	-0.02
15	-1.000	0.000	-14.142	0.925	978.8	1464.2	504.5	86.0	0.929	1.004	1.000	-0.008	1.004	-0.000	0.003	0.17	-0.01
16	0.000	0.000	-14.142	0.923	977.3	1464.4	503.7	86.0	0.927	1.004	0.999	-0.008	1.004	-0.000	0.002	0.12	-0.02
17	1.000	0.000	-14.142	0.923	976.9	1462.9	502.9	86.1	0.928	1.005	1.001	-0.009	1.005	-0.001	0.001	0.07	-0.04
18	2.000	0.000	-14.142	0.922	975.8	1463.1	502.4	86.0	0.926	1.004	1.000	-0.009	1.004	-0.000	0.001	0.05	-0.02
19	3.000	0.000	-14.142	0.922	976.5	1464.4	503.2	86.1	0.929	1.006	1.000	-0.013	1.006	-0.000	0.000	0.03	-0.03
20	4.000	0.000	-14.142	0.922	976.0	1464.2	502.9	86.0	0.928	1.006	0.999	-0.013	1.006	-0.000	-0.000	-0.02	-0.02
21	5.000	0.000	-14.142	0.924	977.7	1463.1	503.6	85.9	0.934	1.010	1.000	-0.019	1.010	0.000	-0.001	-0.03	0.00
22	6.000	0.000	-14.142	0.923	976.9	1464.8	503.6	86.0	0.935	1.011	1.000	-0.023	1.011	-0.000	-0.001	-0.05	-0.01
23	7.000	0.000	-14.142	0.926	979.8	1464.3	505.2	86.0	0.938	1.011	0.999	-0.023	1.011	-0.000	-0.001	-0.03	-0.01
24	8.000	0.000	-14.142	0.928	981.7	1464.0	506.1	86.1	0.940	1.011	1.000	-0.021	1.011	0.000	-0.000	-0.02	0.01
25	9.000	0.000	-14.142	0.928	981.8	1464.7	506.5	86.0	0.939	1.010	0.999	-0.021	1.010	0.000	-0.000	-0.01	0.01
26	10.000	0.000	-14.142	0.927	980.7	1465.1	505.9	86.1	0.937	1.009	0.999	-0.019	1.009	-0.000	-0.001	-0.04	-0.01
27	11.000	0.000	-14.142	0.927	980.2	1462.4	504.8	86.0	0.934	1.007	1.001	-0.012	1.007	0.000	-0.000	-0.02	0.00
28	12.000	0.000	-14.142	0.927	980.7	1462.5	505.0	86.1	0.932	1.005	1.000	-0.009	1.005	-0.000	-0.000	-0.02	-0.00
29	13.000	0.000	-14.142	0.926	979.5	1464.6	505.1	86.0	0.933	1.006	1.000	-0.012	1.006	0.000	-0.000	-0.02	0.01
30	14.000	0.000	-14.142	0.927	980.5	1463.6	505.3	86.0	0.934	1.006	1.000	-0.013	1.006	0.000	-0.000	-0.00	0.01
33	15.000	0.000	-14.142	0.927	980.8	1465.0	506.0	86.0	0.937	1.009	0.999	-0.018	1.009	0.000	0.000	0.01	0.02
35	16.000	0.000	-14.142	0.927	980.2	1463.8	505.2	86.0	0.936	1.009	1.000	-0.018	1.009	0.000	0.001	0.06	0.03
37	17.000	0.000	-14.142	0.925	979.0	1464.3	504.7	86.0	0.933	1.007	0.999	-0.016	1.007	0.000	0.002	0.09	0.02
40	18.000	0.000	-14.142	0.927	980.3	1464.5	505.4	86.2	0.937	1.009	1.000	-0.019	1.009	0.000	0.002	0.12	0.01
42	19.000	0.000	-14.142	0.929	982.3	1464.1	506.6	86.0	0.937	1.007	0.999	-0.015	1.007	0.000	0.003	0.15	0.02
45	20.000	0.000	-14.142	0.922	976.2	1464.0	503.0	86.0	0.929	1.006	1.000	-0.013	1.006	-0.000	0.003	0.15	-0.00
46	21.000	0.000	-14.142	0.923	976.8	1464.8	503.6	86.0	0.933	1.010	0.999	-0.021	1.010	0.000	0.003	0.18	0.01
47	22.000	0.000	-14.142	0.926	980.0	1462.6	504.6	86.2	0.933	1.006	1.001	-0.011	1.006	0.000	0.003	0.19	0.00
50	23.000	0.000	-14.142	0.927	980.3	1462.8	504.9	86.1	0.935	1.008	1.000	-0.015	1.008	-0.000	0.004	0.21	-0.01
51	24.000	0.000	-14.142	0.928	981.4	1463.1	505.6	86.1	0.936	1.007	1.000	-0.014	1.007	0.000	0.004	0.25	0.00

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	454	3.001	2.00	22	1602	0.01	2-20-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
3	-6.000	14.142	0.000	0.924	978.1	1463.9	504.1	85.8	0.927	1.002	1.000	-0.005	1.002	0.003	0.004	0.26	0.17
4	-5.000	14.142	0.000	0.924	977.4	1462.8	503.2	86.0	0.926	1.002	1.001	-0.003	1.002	0.003	0.004	0.21	0.19
5	-4.000	14.142	0.000	0.924	977.5	1464.0	503.7	86.0	0.925	1.001	1.000	-0.002	1.001	0.004	0.004	0.23	0.22
6	-3.000	14.142	0.000	0.927	980.6	1463.8	505.4	86.1	0.929	1.002	1.001	-0.002	1.002	0.004	0.004	0.22	0.22
7	-2.000	14.142	0.000	0.927	980.7	1464.7	505.7	86.3	0.928	1.001	1.000	-0.003	1.001	0.004	0.004	0.20	0.25
8	-1.000	14.142	0.000	0.926	980.1	1463.9	505.1	86.1	0.926	1.000	1.000	0.000	1.000	0.005	0.003	0.20	0.29
9	0.000	14.142	0.000	0.926	979.4	1463.8	504.8	86.0	0.926	1.000	1.000	-0.001	1.000	0.006	0.004	0.21	0.32
10	1.000	14.142	0.000	0.925	978.6	1464.3	504.4	86.0	0.927	1.002	1.000	-0.004	1.002	0.007	0.003	0.19	0.38
11	2.000	14.142	0.000	0.923	977.3	1462.5	503.1	86.0	0.927	1.003	1.001	-0.005	1.003	0.008	0.003	0.17	0.44
12	3.000	14.142	0.000	0.924	977.8	1464.0	503.9	86.0	0.929	1.005	1.000	-0.009	1.005	0.008	0.003	0.17	0.47
13	4.000	14.142	0.000	0.924	977.8	1464.0	503.9	86.0	0.931	1.006	1.000	-0.013	1.006	0.008	0.003	0.18	0.46
14	5.000	14.142	0.000	0.924	978.2	1464.3	504.1	86.2	0.933	1.008	1.000	-0.016	1.008	0.008	0.003	0.15	0.45
15	6.000	14.142	0.000	0.925	979.2	1464.1	504.5	86.3	0.934	1.008	0.999	-0.018	1.008	0.008	0.003	0.16	0.44
16	7.000	14.142	0.000	0.926	979.5	1463.9	504.7	86.3	0.935	1.009	1.000	-0.018	1.009	0.007	0.003	0.16	0.42
17	8.000	14.142	0.000	0.927	980.9	1464.8	506.0	86.0	0.937	1.009	1.000	-0.018	1.009	0.007	0.003	0.16	0.41
18	9.000	14.142	0.000	0.928	981.9	1464.3	506.3	86.2	0.938	1.009	1.000	-0.017	1.009	0.007	0.003	0.15	0.37
19	10.000	14.142	0.000	0.927	981.1	1464.9	506.1	86.1	0.937	1.009	1.000	-0.017	1.009	0.006	0.003	0.16	0.35
20	11.000	14.142	0.000	0.929	982.1	1464.4	506.6	86.0	0.937	1.007	1.000	-0.015	1.007	0.006	0.003	0.17	0.35
21	12.000	14.142	0.000	0.927	980.3	1462.6	504.9	86.0	0.935	1.008	1.001	-0.014	1.008	0.006	0.004	0.21	0.35
22	13.000	14.142	0.000	0.926	979.9	1464.3	505.3	85.9	0.934	1.007	0.999	-0.015	1.007	0.006	0.004	0.22	0.32
23	14.000	14.142	0.000	0.929	982.3	1463.6	506.4	86.0	0.940	1.011	1.000	-0.021	1.011	0.006	0.004	0.25	0.32
24	15.000	14.142	0.000	0.928	981.9	1463.5	506.0	86.3	0.943	1.014	1.000	-0.027	1.014	0.005	0.005	0.28	0.30
26	16.000	14.142	0.000	0.926	980.3	1463.6	505.1	86.3	0.946	1.018	1.001	-0.034	1.018	0.004	0.005	0.30	0.20
27	17.000	14.142	0.000	0.926	979.8	1463.3	504.7	86.2	0.942	1.015	1.000	-0.029	1.015	0.002	0.006	0.33	0.09
28	18.000	14.142	0.000	0.928	981.4	1465.1	506.3	86.2	0.945	1.015	1.000	-0.031	1.015	-0.000	0.005	0.30	-0.00
29	19.000	14.142	0.000	0.926	979.8	1464.2	505.0	86.2	0.935	1.008	1.000	-0.017	1.008	-0.001	0.005	0.30	-0.03
31	20.000	14.142	0.000	0.928	981.4	1464.6	506.1	86.1	0.937	1.008	1.000	-0.017	1.008	-0.000	0.005	0.30	-0.02
34	21.000	14.142	0.000	0.927	980.6	1464.3	505.7	86.0	0.934	1.007	1.000	-0.014	1.007	-0.000	0.006	0.32	-0.02
36	22.000	14.142	0.000	0.929	982.4	1465.0	506.9	86.0	0.937	1.007	0.999	-0.016	1.007	0.000	0.006	0.33	0.01
41	23.000	14.142	0.000	0.928	981.6	1463.4	506.0	86.0	0.935	1.006	1.000	-0.013	1.006	-0.000	0.006	0.32	-0.01
48	24.000	14.142	0.000	0.924	978.5	1464.7	504.4	86.3	0.931	1.006	0.999	-0.013	1.006	-0.000	0.006	0.31	-0.03

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	465	2.999	5.00	22	1601	0.01	2-21-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
6	-6.000	0.000	-14.142	0.925	979.1	1465.8	504.9	86.6	0.931	1.006	1.000	-0.012	1.006	0.000	0.005	0.29	0.01
7	-5.000	0.000	-14.142	0.923	977.5	1465.3	503.9	86.5	0.926	1.003	1.000	-0.006	1.003	0.000	0.005	0.30	0.00
8	-4.000	0.000	-14.142	0.922	976.1	1463.1	502.3	86.4	0.924	1.003	1.000	-0.005	1.003	0.000	0.005	0.29	0.01
9	-3.000	0.000	-14.142	0.921	975.1	1465.3	502.6	86.3	0.924	1.004	0.999	-0.008	1.004	-0.000	0.004	0.25	-0.00
10	-2.000	0.000	-14.142	0.921	975.6	1464.2	502.5	86.2	0.925	1.003	1.000	-0.006	1.003	-0.000	0.004	0.21	-0.00
11	-1.000	0.000	-14.142	0.923	977.2	1464.0	503.3	86.4	0.926	1.003	1.000	-0.006	1.003	0.000	0.003	0.19	0.03
12	0.000	0.000	-14.142	0.924	977.7	1463.8	503.6	86.2	0.927	1.003	1.000	-0.005	1.003	-0.000	0.002	0.12	-0.02
13	1.000	0.000	-14.142	0.922	976.7	1465.3	503.4	86.4	0.926	1.003	1.000	-0.007	1.003	0.000	0.001	0.08	0.01
14	2.000	0.000	-14.142	0.922	976.4	1465.0	503.3	86.2	0.928	1.006	1.000	-0.011	1.006	-0.000	0.001	0.04	-0.00
15	3.000	0.000	-14.142	0.920	974.8	1464.2	502.0	86.3	0.926	1.006	1.000	-0.011	1.006	-0.000	-0.000	-0.03	-0.01
17	4.000	0.000	-14.142	0.925	979.4	1463.8	504.6	86.2	0.929	1.003	1.000	-0.006	1.003	-0.000	-0.001	-0.05	-0.01
18	5.000	0.000	-14.142	0.925	979.4	1463.2	504.4	86.3	0.933	1.007	1.000	-0.014	1.007	-0.000	-0.001	-0.06	-0.00
19	6.000	0.000	-14.142	0.924	978.1	1464.8	504.1	86.4	0.933	1.008	1.000	-0.016	1.008	0.000	-0.002	-0.10	0.00
20	7.000	0.000	-14.142	0.923	977.3	1463.9	503.5	86.2	0.929	1.005	1.000	-0.011	1.005	-0.000	-0.002	-0.10	-0.00
21	8.000	0.000	-14.142	0.926	980.0	1464.5	505.2	86.3	0.931	1.005	0.999	-0.011	1.005	0.000	-0.002	-0.13	0.00
22	9.000	0.000	-14.142	0.926	980.1	1465.7	505.7	86.3	0.931	1.005	0.999	-0.011	1.005	0.001	-0.003	-0.15	0.03
23	10.000	0.000	-14.142	0.925	979.3	1464.4	504.8	86.2	0.926	1.001	0.999	-0.004	1.001	0.000	-0.003	-0.18	0.01
24	11.000	0.000	-14.142	0.926	979.4	1463.9	504.7	86.1	0.926	1.000	1.000	-0.001	1.000	0.000	-0.004	-0.21	0.02
25	12.000	0.000	-14.142	0.927	980.7	1464.6	505.7	86.2	0.926	0.999	1.000	0.002	0.999	0.001	-0.004	-0.25	0.04
26	13.000	0.000	-14.142	0.928	981.6	1464.6	506.1	86.4	0.927	0.999	1.000	0.002	0.999	0.000	-0.005	-0.29	0.03
28	14.000	0.000	-14.142	0.925	979.3	1464.4	504.8	86.2	0.927	1.001	1.000	-0.002	1.001	0.001	-0.006	-0.33	0.04
30	15.000	0.000	-14.142	0.925	979.0	1467.4	505.6	86.4	0.925	1.000	0.999	-0.002	1.000	0.001	-0.006	-0.32	0.06
31	16.000	0.000	-14.142	0.927	981.0	1465.5	506.0	86.5	0.928	1.001	1.000	-0.002	1.001	0.001	-0.006	-0.33	0.05
33	17.000	0.000	-14.142	0.928	981.8	1465.9	506.7	86.4	0.930	1.002	0.999	-0.005	1.002	0.001	-0.006	-0.33	0.04
36	18.000	0.000	-14.142	0.927	981.0	1463.8	505.6	86.2	0.929	1.001	1.000	-0.002	1.001	0.001	-0.005	-0.31	0.06
39	19.000	0.000	-14.142	0.929	982.4	1465.8	507.0	86.4	0.930	1.001	0.999	-0.004	1.001	0.001	-0.005	-0.31	0.06
42	20.000	0.000	-14.142	0.926	980.2	1464.0	505.1	86.4	0.930	1.004	1.000	-0.007	1.004	0.001	-0.005	-0.31	0.06
43	21.000	0.000	-14.142	0.924	978.7	1464.9	504.5	86.5	0.925	1.001	1.000	-0.001	1.001	0.001	-0.005	-0.26	0.03
50	22.000	0.000	-14.142	0.926	980.3	1466.6	506.0	86.4	0.930	1.004	1.000	-0.008	1.004	0.001	-0.005	-0.26	0.05
51	23.000	0.000	-14.142	0.930	983.4	1464.8	507.2	86.5	0.933	1.003	1.000	-0.005	1.003	0.001	-0.005	-0.26	0.05
52	24.000	0.000	-14.142	0.926	980.3	1465.6	505.7	86.4	0.932	1.005	1.000	-0.011	1.005	0.000	-0.004	-0.21	0.01

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	466	2.996	5.00	22	1602	0.02	2-21-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
3	-6.000	14.142	0.000	0.924	978.2	1464.3	504.0	86.5	0.926	1.002	1.000	-0.003	1.002	0.003	0.004	0.24	0.20
5	-5.000	14.142	0.000	0.928	982.1	1465.4	506.6	86.7	0.930	1.002	1.001	-0.003	1.002	0.004	0.003	0.19	0.24
6	-4.000	14.142	0.000	0.924	978.2	1465.1	504.2	86.5	0.926	1.002	1.000	-0.003	1.002	0.004	0.003	0.19	0.24
7	-3.000	14.142	0.000	0.925	978.8	1466.7	505.2	86.4	0.926	1.001	1.000	-0.003	1.001	0.004	0.003	0.19	0.25
8	-2.000	14.142	0.000	0.925	979.3	1466.5	505.3	86.6	0.925	1.000	1.000	-0.001	1.000	0.005	0.003	0.18	0.26
9	-1.000	14.142	0.000	0.924	977.9	1463.7	503.7	86.3	0.922	0.999	1.000	0.003	0.999	0.005	0.003	0.19	0.30
10	0.000	14.142	0.000	0.924	978.6	1466.1	504.7	86.7	0.926	1.001	1.000	-0.003	1.001	0.006	0.003	0.17	0.35
11	1.000	14.142	0.000	0.924	977.9	1466.4	504.5	86.5	0.925	1.001	0.999	-0.004	1.001	0.007	0.003	0.15	0.42
12	2.000	14.142	0.000	0.923	977.8	1464.9	503.9	86.5	0.925	1.001	1.000	-0.003	1.001	0.008	0.003	0.15	0.44
13	3.000	14.142	0.000	0.926	979.7	1465.2	505.2	86.4	0.928	1.002	1.000	-0.004	1.002	0.008	0.002	0.14	0.48
14	4.000	14.142	0.000	0.926	980.3	1465.5	505.7	86.4	0.931	1.004	0.999	-0.010	1.004	0.008	0.003	0.15	0.47
15	5.000	14.142	0.000	0.926	979.5	1464.8	505.0	86.2	0.932	1.006	1.000	-0.012	1.006	0.009	0.003	0.15	0.51
16	6.000	14.142	0.000	0.925	979.2	1464.4	504.6	86.5	0.934	1.008	1.001	-0.014	1.008	0.009	0.002	0.14	0.51
17	7.000	14.142	0.000	0.926	980.1	1464.1	505.1	86.3	0.934	1.007	1.000	-0.014	1.007	0.008	0.003	0.17	0.46
18	8.000	14.142	0.000	0.927	981.4	1465.8	506.3	86.5	0.936	1.008	1.000	-0.016	1.008	0.008	0.003	0.17	0.47
19	9.000	14.142	0.000	0.928	982.2	1464.9	506.5	86.5	0.935	1.006	1.000	-0.011	1.006	0.008	0.003	0.18	0.45
20	10.000	14.142	0.000	0.927	981.0	1464.2	505.7	86.3	0.931	1.004	1.000	-0.007	1.004	0.008	0.004	0.21	0.47
21	11.000	14.142	0.000	0.927	980.8	1465.8	505.9	86.6	0.932	1.005	1.000	-0.009	1.004	0.008	0.004	0.24	0.47
22	12.000	14.142	0.000	0.927	981.4	1465.9	506.4	86.5	0.933	1.005	1.000	-0.010	1.005	0.009	0.005	0.27	0.49
23	13.000	14.142	0.000	0.927	981.1	1466.2	506.3	86.6	0.932	1.005	1.000	-0.011	1.005	0.009	0.006	0.32	0.50
24	14.000	14.142	0.000	0.928	982.3	1463.8	506.2	86.5	0.938	1.009	1.001	-0.016	1.009	0.009	0.007	0.38	0.53
25	15.000	14.142	0.000	0.925	979.2	1463.5	504.3	86.4	0.939	1.013	1.001	-0.024	1.013	0.008	0.008	0.48	0.48
26	16.000	14.142	0.000	0.929	982.5	1465.2	506.9	86.4	0.949	1.018	1.001	-0.035	1.018	0.007	0.010	0.58	0.40
27	17.000	14.142	0.000	0.927	980.8	1464.0	505.5	86.3	0.949	1.020	1.000	-0.040	1.020	0.004	0.012	0.70	0.20
29	18.000	14.142	0.000	0.923	977.7	1466.5	504.4	86.5	0.940	1.016	1.000	-0.031	1.015	0.001	0.013	0.76	0.05
30	19.000	14.142	0.000	0.927	980.9	1465.1	505.8	86.5	0.937	1.009	1.000	-0.018	1.009	0.000	0.014	0.81	0.03
32	20.000	14.142	0.000	0.926	980.2	1463.8	505.0	86.3	0.933	1.006	1.000	-0.012	1.006	0.001	0.015	0.84	0.04
35	21.000	14.142	0.000	0.927	981.3	1465.5	506.3	86.4	0.934	1.006	1.000	-0.012	1.006	0.001	0.015	0.83	0.06
36	22.000	14.142	0.000	0.928	981.9	1463.8	506.1	86.3	0.934	1.006	1.001	-0.010	1.005	0.001	0.015	0.84	0.08
42	23.000	14.142	0.000	0.928	981.4	1465.3	506.3	86.3	0.935	1.007	1.000	-0.013	1.007	0.001	0.015	0.85	0.06
46	24.000	14.142	0.000	0.926	979.9	1464.5	505.1	86.4	0.932	1.005	1.000	-0.011	1.005	0.001	0.015	0.85	0.08

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	318	2.996	0.00	22	1601	0.02	2-18-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
7	-6.000	0.000	-14.142	0.948	997.0	1439.7	507.9	83.2	0.954	1.005	0.998	-0.013	1.005	-0.000	0.003	0.16	-0.01
8	-5.000	0.000	-14.142	0.948	996.6	1439.0	507.4	83.3	0.952	1.004	0.998	-0.011	1.004	-0.000	0.002	0.14	-0.02
9	-4.000	0.000	-14.142	0.945	994.5	1439.0	506.3	83.2	0.949	1.003	0.999	-0.008	1.003	-0.000	0.002	0.12	-0.01
11	-3.000	0.000	-14.142	0.946	994.4	1439.0	506.4	82.9	0.947	1.002	0.999	-0.006	1.002	-0.001	0.002	0.09	-0.04
15	-2.000	0.000	-14.142	0.948	996.6	1436.7	506.7	83.1	0.949	1.001	1.000	-0.002	1.001	-0.001	0.001	0.07	-0.03
16	-1.000	0.000	-14.142	0.950	998.4	1437.0	507.7	83.3	0.952	1.003	0.998	-0.009	1.003	-0.000	-0.000	-0.02	-0.01
17	0.000	0.000	-14.142	0.947	995.6	1436.3	506.1	82.9	0.948	1.001	0.998	-0.005	1.001	-0.000	-0.001	-0.06	-0.01
18	1.000	0.000	-14.142	0.947	996.2	1437.0	506.6	83.0	0.946	0.999	0.999	-0.000	0.999	-0.000	-0.002	-0.12	-0.02
19	2.000	0.000	-14.142	0.950	998.2	1439.1	508.5	83.0	0.955	1.005	0.999	-0.012	1.005	-0.000	-0.003	-0.19	-0.01
20	3.000	0.000	-14.142	0.947	996.1	1440.4	507.7	83.2	0.955	1.007	0.998	-0.017	1.007	-0.000	-0.004	-0.24	-0.01
21	4.000	0.000	-14.142	0.951	999.2	1440.5	509.5	83.2	0.961	1.009	0.999	-0.021	1.009	-0.001	-0.004	-0.24	-0.03
22	5.000	0.000	-14.142	0.949	997.9	1440.1	508.6	83.2	0.963	1.012	0.998	-0.026	1.012	-0.001	-0.005	-0.26	-0.03
23	6.000	0.000	-14.142	0.947	996.0	1440.3	507.6	83.2	0.962	1.014	0.998	-0.030	1.014	-0.001	-0.004	-0.22	-0.03
24	7.000	0.000	-14.142	0.949	997.8	1439.4	508.4	83.0	0.962	1.011	0.999	-0.023	1.011	-0.000	-0.003	-0.19	-0.02
25	8.000	0.000	-14.142	0.952	1000.6	1441.9	510.7	83.2	0.969	1.015	0.998	-0.033	1.015	-0.000	-0.003	-0.16	-0.02
26	9.000	0.000	-14.142	0.952	1000.1	1441.6	510.3	83.3	0.968	1.015	0.998	-0.032	1.015	-0.000	-0.002	-0.13	-0.02
27	10.000	0.000	-14.142	0.951	1000.1	1440.7	509.9	83.5	0.961	1.008	0.998	-0.020	1.008	-0.000	-0.002	-0.14	-0.02
28	11.000	0.000	-14.142	0.950	998.9	1439.0	508.8	83.0	0.958	1.007	0.999	-0.015	1.007	-0.000	-0.002	-0.12	-0.02
29	12.000	0.000	-14.142	0.953	1000.9	1440.7	510.5	83.2	0.962	1.008	0.999	-0.019	1.008	0.000	-0.002	-0.13	0.01
30	13.000	0.000	-14.142	0.953	1001.7	1440.4	510.8	83.2	0.963	1.008	0.999	-0.019	1.008	0.000	-0.002	-0.13	0.01
31	14.000	0.000	-14.142	0.953	1001.4	1440.7	510.8	83.1	0.965	1.010	0.999	-0.023	1.010	-0.000	-0.002	-0.11	-0.00
32	15.000	0.000	-14.142	0.949	997.5	1439.9	508.4	82.9	0.969	1.018	0.998	-0.037	1.018	0.000	-0.001	-0.05	0.01
33	16.000	0.000	-14.142	0.954	1002.1	1437.4	509.9	83.4	0.979	1.022	0.997	-0.049	1.022	-0.000	0.000	0.01	-0.00
34	17.000	0.000	-14.142	0.951	1000.2	1437.6	508.8	83.6	0.976	1.022	0.998	-0.047	1.022	0.000	0.004	0.20	0.01
35	18.000	0.000	-14.142	0.951	999.4	1437.6	508.4	83.4	0.970	1.017	0.998	-0.036	1.017	-0.000	0.006	0.32	-0.01
36	19.000	0.000	-14.142	0.950	998.9	1439.4	508.8	83.3	0.966	1.014	0.999	-0.030	1.014	-0.000	0.006	0.33	-0.01
37	20.000	0.000	-14.142	0.953	1001.6	1441.3	511.0	83.3	0.965	1.010	0.999	-0.022	1.010	-0.000	0.006	0.33	-0.01
38	21.000	0.000	-14.142	0.949	997.6	1441.1	508.7	83.4	0.959	1.009	0.999	-0.020	1.009	-0.001	0.006	0.32	-0.03
39	22.000	0.000	-14.142	0.953	1001.4	1441.4	511.0	83.2	0.963	1.009	0.998	-0.021	1.009	-0.000	0.005	0.28	-0.02
40	23.000	0.000	-14.142	0.954	1002.0	1436.6	509.5	83.4	0.968	1.013	0.998	-0.028	1.013	-0.001	0.005	0.30	-0.04
41	24.000	0.000	-14.142	0.952	1000.9	1437.5	509.2	83.6	0.965	1.011	0.998	-0.025	1.011	-0.001	0.006	0.34	-0.04

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	319	3.000	0.00	22	1602	0.01	2-18-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
2	-6.000	14.142	0.000	0.951	999.8	1441.1	509.9	83.4	0.954	1.003	0.999	-0.007	1.003	0.003	0.001	0.03	0.15
3	-5.000	14.142	0.000	0.951	999.5	1439.6	509.3	83.2	0.952	1.001	0.999	-0.004	1.001	0.003	0.001	0.04	0.17
4	-4.000	14.142	0.000	0.952	1000.2	1441.9	510.5	83.2	0.953	1.001	0.998	-0.005	1.001	0.003	0.001	0.03	0.19
5	-3.000	14.142	0.000	0.950	998.9	1439.4	508.8	83.3	0.950	1.000	0.999	-0.001	1.000	0.004	0.000	0.02	0.23
6	-2.000	14.142	0.000	0.952	1000.3	1436.3	508.5	83.3	0.953	1.001	0.999	-0.004	1.001	0.004	0.000	0.00	0.25
7	-1.000	14.142	0.000	0.952	1000.2	1437.6	509.0	83.3	0.951	1.000	0.998	-0.003	1.000	0.005	-0.000	-0.00	0.30
8	0.000	14.142	0.000	0.950	998.5	1437.2	507.9	83.3	0.948	0.999	0.998	-0.000	0.999	0.006	0.000	0.01	0.32
9	1.000	14.142	0.000	0.949	998.1	1438.2	508.0	83.3	0.949	1.000	0.999	-0.002	1.000	0.007	-0.000	-0.00	0.38
10	2.000	14.142	0.000	0.950	998.9	1440.3	509.2	83.3	0.952	1.002	0.998	-0.007	1.002	0.008	-0.000	-0.02	0.43
11	3.000	14.142	0.000	0.949	998.1	1438.7	508.2	83.2	0.953	1.003	0.999	-0.008	1.003	0.008	-0.000	-0.03	0.47
12	4.000	14.142	0.000	0.950	999.0	1440.0	509.1	83.3	0.958	1.007	0.999	-0.016	1.007	0.009	-0.000	-0.01	0.49
13	5.000	14.142	0.000	0.951	999.3	1439.8	509.3	83.2	0.963	1.011	0.999	-0.024	1.011	0.008	-0.001	-0.03	0.47
14	6.000	14.142	0.000	0.951	1000.1	1439.7	509.5	83.6	0.965	1.012	0.999	-0.026	1.012	0.008	-0.000	-0.02	0.45
15	7.000	14.142	0.000	0.952	1001.1	1442.0	510.9	83.5	0.968	1.014	0.999	-0.030	1.014	0.007	-0.001	-0.03	0.40
16	8.000	14.142	0.000	0.952	1001.1	1440.1	510.2	83.5	0.967	1.013	0.999	-0.028	1.013	0.007	-0.001	-0.04	0.38
17	9.000	14.142	0.000	0.953	1001.6	1441.3	511.0	83.3	0.964	1.010	0.999	-0.022	1.010	0.006	-0.001	-0.06	0.32
18	10.000	14.142	0.000	0.952	1000.8	1442.2	510.8	83.5	0.959	1.006	0.998	-0.016	1.006	0.006	-0.001	-0.06	0.33
19	11.000	14.142	0.000	0.953	1001.5	1431.3	507.2	83.7	0.957	1.004	0.998	-0.012	1.004	0.006	-0.001	-0.04	0.33
20	12.000	14.142	0.000	0.953	1001.7	1431.2	507.5	83.3	0.959	1.005	0.999	-0.011	1.005	0.006	-0.001	-0.05	0.37
21	13.000	14.142	0.000	0.953	1001.2	1436.4	509.1	83.2	0.963	1.009	0.999	-0.020	1.009	0.007	-0.002	-0.09	0.38
22	14.000	14.142	0.000	0.950	998.7	1435.8	507.7	82.8	0.960	1.009	0.998	-0.020	1.009	0.007	-0.001	-0.06	0.38
23	15.000	14.142	0.000	0.953	1001.3	1436.5	509.3	83.0	0.968	1.013	0.998	-0.029	1.013	0.006	-0.001	-0.06	0.36
24	16.000	14.142	0.000	0.952	1000.5	1436.9	509.0	83.0	0.972	1.017	0.999	-0.036	1.017	0.005	-0.001	-0.07	0.30
26	17.000	14.142	0.000	0.950	999.3	1440.5	509.3	83.6	0.980	1.027	0.999	-0.055	1.027	0.001	-0.002	-0.10	0.08
27	18.000	14.142	0.000	0.948	997.2	1429.4	504.3	83.4	0.969	1.018	0.999	-0.038	1.018	-0.002	-0.002	-0.12	-0.13
28	19.000	14.142	0.000	0.952	1000.8	1434.7	508.1	83.5	0.967	1.013	0.999	-0.028	1.013	-0.003	-0.003	-0.15	-0.15
29	20.000	14.142	0.000	0.954	1001.8	1437.0	509.6	83.2	0.961	1.006	0.999	-0.015	1.006	-0.002	-0.003	-0.15	-0.10
30	21.000	14.142	0.000	0.951	999.4	1440.9	509.6	83.3	0.956	1.005	0.999	-0.011	1.005	-0.001	-0.003	-0.15	-0.07
31	22.000	14.142	0.000	0.951	999.8	1442.3	510.2	83.5	0.963	1.010	0.999	-0.023	1.010	-0.001	-0.003	-0.17	-0.04
32	23.000	14.142	0.000	0.951	999.7	1442.0	510.3	83.1	0.959	1.007	0.998	-0.016	1.007	-0.001	-0.003	-0.17	-0.04
33	24.000	14.142	0.000	0.952	1000.7	1440.5	510.3	83.3	0.964	1.010	0.999	-0.023	1.010	-0.001	-0.003	-0.16	-0.03

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	348	2.999	2.00	22	1601	0.02	2-18-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
8	-6.000	0.000	-14.142	0.950	999.1	1442.1	509.7	83.7	0.960	1.009	1.000	-0.017	1.009	-0.001	0.003	0.17	-0.03
9	-5.000	0.000	-14.142	0.950	999.6	1443.7	510.5	83.9	0.961	1.010	0.999	-0.021	1.010	-0.001	0.003	0.15	-0.03
10	-4.000	0.000	-14.142	0.949	998.0	1442.5	509.1	83.9	0.958	1.008	1.000	-0.017	1.008	-0.001	0.003	0.14	-0.03
11	-3.000	0.000	-14.142	0.946	995.1	1440.6	507.1	83.3	0.952	1.006	1.000	-0.011	1.006	-0.001	0.002	0.10	-0.06
12	-2.000	0.000	-14.142	0.945	995.1	1442.5	507.6	83.7	0.953	1.007	0.999	-0.014	1.007	-0.001	0.001	0.06	-0.04
14	-1.000	0.000	-14.142	0.950	999.3	1442.7	509.9	83.9	0.957	1.006	1.000	-0.012	1.006	-0.001	0.001	0.03	-0.06
15	0.000	0.000	-14.142	0.949	997.9	1443.0	509.4	83.6	0.956	1.006	0.999	-0.013	1.006	-0.001	-0.001	-0.03	-0.05
16	1.000	0.000	-14.142	0.946	996.0	1441.6	507.7	83.9	0.954	1.007	0.999	-0.014	1.007	-0.001	-0.002	-0.11	-0.04
17	2.000	0.000	-14.142	0.948	997.4	1445.2	509.9	83.7	0.957	1.008	0.999	-0.017	1.008	-0.001	-0.002	-0.14	-0.03
19	3.000	0.000	-14.142	0.950	999.0	1442.8	510.1	83.3	0.963	1.011	1.000	-0.022	1.011	-0.001	-0.004	-0.20	-0.04
20	4.000	0.000	-14.142	0.950	998.7	1443.5	510.1	83.4	0.966	1.015	0.999	-0.030	1.015	-0.001	-0.004	-0.24	-0.04
21	5.000	0.000	-14.142	0.947	995.9	1440.9	507.6	83.5	0.962	1.014	0.999	-0.029	1.014	-0.001	-0.004	-0.22	-0.03
22	6.000	0.000	-14.142	0.951	1000.4	1442.5	510.5	83.9	0.971	1.017	1.000	-0.035	1.017	-0.001	-0.003	-0.19	-0.03
23	7.000	0.000	-14.142	0.950	998.9	1442.5	509.9	83.4	0.970	1.018	1.000	-0.037	1.018	-0.001	-0.003	-0.19	-0.04
24	8.000	0.000	-14.142	0.949	996.9	1441.5	509.2	84.0	0.969	1.017	1.000	-0.035	1.017	-0.001	-0.003	-0.17	-0.03
25	9.000	0.000	-14.142	0.948	997.0	1440.4	508.1	83.3	0.963	1.014	1.001	-0.026	1.014	-0.001	-0.003	-0.16	-0.03
26	10.000	0.000	-14.142	0.950	999.3	1442.7	510.1	83.5	0.963	1.011	0.999	-0.023	1.011	-0.000	-0.003	-0.18	-0.01
27	11.000	0.000	-14.142	0.949	998.4	1441.8	509.2	83.6	0.958	1.008	0.999	-0.017	1.008	-0.001	-0.003	-0.17	-0.03
29	12.000	0.000	-14.142	0.951	999.2	1442.5	510.1	83.3	0.959	1.007	0.999	-0.016	1.007	-0.000	-0.004	-0.20	-0.02
30	13.000	0.000	-14.142	0.950	998.9	1443.3	510.2	83.4	0.962	1.011	1.000	-0.023	1.011	-0.000	-0.004	-0.22	-0.02
31	14.000	0.000	-14.142	0.954	1002.4	1442.1	511.6	83.6	0.967	1.012	1.000	-0.023	1.012	0.000	-0.004	-0.21	0.01
32	15.000	0.000	-14.142	0.955	1003.3	1442.4	512.1	83.7	0.971	1.014	0.999	-0.029	1.014	0.000	-0.004	-0.20	0.01
33	16.000	0.000	-14.142	0.948	997.3	1441.1	508.3	83.8	0.964	1.014	1.001	-0.027	1.014	0.000	-0.002	-0.12	0.01
34	17.000	0.000	-14.142	0.952	1000.7	1443.8	511.1	83.9	0.975	1.021	1.000	-0.043	1.021	0.000	-0.001	-0.03	0.02
35	18.000	0.000	-14.142	0.949	998.0	1440.3	508.8	83.1	0.963	1.012	1.000	-0.024	1.012	0.000	0.000	0.00	0.01
36	19.000	0.000	-14.142	0.952	1000.6	1442.4	510.8	83.5	0.970	1.016	1.000	-0.034	1.016	-0.000	0.001	0.03	-0.01
37	20.000	0.000	-14.142	0.952	1001.0	1443.1	511.2	83.6	0.967	1.013	0.999	-0.027	1.013	0.000	0.001	0.03	0.00
38	21.000	0.000	-14.142	0.953	1001.4	1441.1	510.7	83.6	0.965	1.011	1.000	-0.022	1.011	-0.000	0.001	0.04	-0.02
39	22.000	0.000	-14.142	0.952	1001.0	1440.5	510.1	83.8	0.964	1.010	1.000	-0.021	1.010	-0.000	0.001	0.04	-0.02
40	23.000	0.000	-14.142	0.952	1000.8	1441.9	510.7	83.5	0.966	1.012	1.001	-0.024	1.012	-0.000	0.001	0.04	-0.03
41	24.000	0.000	-14.142	0.953	1001.3	1441.3	510.9	83.3	0.968	1.014	1.000	-0.027	1.014	-0.001	0.002	0.09	-0.05

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	349	2.995	2.00	22	1602	0.01	2-18-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
2	-6.000	14.142	0.000	0.947	996.5	1443.3	508.4	84.1	0.952	1.005	1.000	-0.011	1.005	0.003	0.001	0.06	0.15
3	-5.000	14.142	0.000	0.947	996.9	1445.1	509.3	84.1	0.953	1.005	0.999	-0.011	1.005	0.003	0.001	0.05	0.17
4	-4.000	14.142	0.000	0.946	995.9	1442.5	508.0	83.8	0.951	1.004	1.000	-0.007	1.004	0.003	0.001	0.05	0.17
5	-3.000	14.142	0.000	0.951	999.9	1443.1	510.5	83.8	0.956	1.005	1.000	-0.009	1.005	0.003	0.001	0.05	0.19
6	-2.000	14.142	0.000	0.950	999.5	1443.3	510.4	83.7	0.956	1.005	1.000	-0.010	1.005	0.004	0.001	0.04	0.24
7	-1.000	14.142	0.000	0.951	999.6	1442.8	510.3	83.6	0.956	1.005	1.000	-0.009	1.005	0.005	0.000	0.03	0.27
8	0.000	14.142	0.000	0.950	999.1	1441.5	509.5	83.7	0.954	1.004	1.000	-0.008	1.004	0.006	0.000	0.01	0.32
9	1.000	14.142	0.000	0.950	999.3	1443.2	510.0	84.0	0.955	1.005	1.000	-0.010	1.005	0.007	0.000	0.02	0.37
10	2.000	14.142	0.000	0.949	998.5	1443.7	509.8	83.9	0.955	1.006	1.000	-0.011	1.006	0.007	-0.000	-0.01	0.42
11	3.000	14.142	0.000	0.950	999.1	1442.5	509.8	83.8	0.958	1.008	1.000	-0.016	1.008	0.008	0.000	0.03	0.47
12	4.000	14.142	0.000	0.949	998.1	1441.9	509.2	83.4	0.962	1.011	1.000	-0.023	1.011	0.008	0.000	0.00	0.47
13	5.000	14.142	0.000	0.950	999.3	1442.0	509.9	83.5	0.966	1.014	0.999	-0.028	1.013	0.008	-0.000	-0.01	0.48
14	6.000	14.142	0.000	0.950	999.0	1440.8	509.3	83.4	0.968	1.016	1.001	-0.031	1.016	0.008	0.000	0.00	0.47
15	7.000	14.142	0.000	0.951	999.7	1441.9	510.1	83.5	0.971	1.018	1.000	-0.036	1.018	0.007	-0.000	-0.00	0.40
16	8.000	14.142	0.000	0.952	1000.7	1441.8	510.6	83.6	0.969	1.015	1.000	-0.031	1.015	0.006	0.000	0.00	0.36
17	9.000	14.142	0.000	0.953	1001.3	1442.3	511.0	83.6	0.969	1.014	1.000	-0.029	1.014	0.006	-0.000	-0.01	0.34
18	10.000	14.142	0.000	0.950	999.1	1441.6	509.6	83.6	0.961	1.010	1.000	-0.020	1.010	0.006	0.000	0.01	0.33
19	11.000	14.142	0.000	0.953	1001.2	1442.7	511.2	83.5	0.963	1.010	1.000	-0.019	1.010	0.006	0.000	0.00	0.36
20	12.000	14.142	0.000	0.952	1001.2	1444.0	511.5	83.9	0.964	1.011	0.999	-0.023	1.011	0.006	0.000	0.02	0.35
21	13.000	14.142	0.000	0.952	1001.8	1442.0	510.9	84.3	0.965	1.011	1.000	-0.021	1.011	0.007	0.001	0.04	0.38
22	14.000	14.142	0.000	0.951	999.8	1443.0	510.6	83.3	0.966	1.013	1.000	-0.025	1.013	0.007	0.001	0.06	0.38
23	15.000	14.142	0.000	0.949	998.2	1441.5	509.1	83.5	0.969	1.017	1.000	-0.035	1.017	0.006	0.002	0.09	0.34
25	16.000	14.142	0.000	0.946	995.5	1442.4	507.7	83.9	0.972	1.023	1.000	-0.046	1.023	0.004	0.002	0.11	0.21
26	17.000	14.142	0.000	0.951	999.8	1443.0	510.3	83.9	0.983	1.029	1.000	-0.057	1.029	0.001	0.003	0.17	0.08
27	18.000	14.142	0.000	0.953	1002.0	1442.5	511.3	84.0	0.986	1.029	1.000	-0.058	1.029	-0.002	0.003	0.16	-0.13
28	19.000	14.142	0.000	0.952	1000.5	1443.0	510.9	83.6	0.968	1.015	1.000	-0.030	1.015	-0.002	0.003	0.18	-0.13
29	20.000	14.142	0.000	0.952	1001.0	1442.0	510.7	83.8	0.966	1.012	1.000	-0.025	1.012	-0.002	0.003	0.19	-0.10
30	21.000	14.142	0.000	0.950	999.3	1442.8	510.0	83.8	0.964	1.013	1.000	-0.024	1.013	-0.001	0.003	0.19	-0.08
31	22.000	14.142	0.000	0.953	1001.7	1441.9	511.2	83.4	0.964	1.010	1.001	-0.018	1.010	-0.001	0.004	0.20	-0.03
32	23.000	14.142	0.000	0.954	1002.6	1445.6	512.7	84.0	0.967	1.012	0.999	-0.025	1.012	-0.001	0.003	0.17	-0.03
33	24.000	14.142	0.000	0.952	1001.2	1442.5	511.0	83.7	0.966	1.013	1.000	-0.025	1.013	-0.001	0.003	0.17	-0.03

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	370	3.000	5.00	22	1601	0.01	2-20-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
8	-6.000	0.000	-14.142	0.949	993.9	1426.0	503.7	78.8	0.958	1.008	0.999	-0.017	1.008	0.000	0.005	0.29	0.02
9	-5.000	0.000	-14.142	0.948	993.2	1426.1	503.3	78.8	0.956	1.007	0.999	-0.015	1.007	0.000	0.005	0.26	0.02
10	-4.000	0.000	-14.142	0.950	994.6	1426.0	504.0	78.8	0.954	1.003	0.999	-0.008	1.003	0.000	0.004	0.25	0.02
11	-3.000	0.000	-14.142	0.949	993.9	1425.0	503.3	78.7	0.955	1.005	0.999	-0.012	1.005	0.001	0.004	0.22	0.04
12	-2.000	0.000	-14.142	0.947	991.6	1424.8	502.0	78.7	0.951	1.004	0.999	-0.010	1.004	0.000	0.003	0.19	0.03
14	-1.000	0.000	-14.142	0.947	991.5	1425.3	502.0	78.8	0.951	1.004	0.999	-0.009	1.004	0.000	0.003	0.15	0.01
15	0.000	0.000	-14.142	0.951	995.0	1424.5	503.8	78.7	0.955	1.004	0.999	-0.009	1.004	0.000	0.002	0.10	0.02
16	1.000	0.000	-14.142	0.949	993.7	1425.9	503.5	78.7	0.955	1.005	0.998	-0.012	1.005	0.000	0.001	0.05	0.02
17	2.000	0.000	-14.142	0.949	993.0	1423.6	502.4	78.5	0.951	1.002	0.999	-0.006	1.002	0.000	-0.000	-0.01	0.02
18	3.000	0.000	-14.142	0.948	992.5	1425.0	502.7	78.5	0.956	1.007	0.999	-0.016	1.007	0.000	-0.001	-0.06	0.02
19	4.000	0.000	-14.142	0.952	996.5	1424.4	504.6	78.5	0.963	1.009	0.999	-0.020	1.009	0.001	-0.002	-0.12	0.03
20	5.000	0.000	-14.142	0.951	995.1	1425.4	504.3	78.5	0.963	1.011	0.999	-0.025	1.011	0.000	-0.002	-0.12	0.02
21	6.000	0.000	-14.142	0.949	993.0	1424.4	502.7	78.5	0.962	1.012	0.999	-0.025	1.012	0.001	-0.002	-0.11	0.03
22	7.000	0.000	-14.142	0.949	993.4	1425.5	503.3	78.5	0.959	1.009	0.998	-0.021	1.009	0.000	-0.002	-0.13	0.02
23	8.000	0.000	-14.142	0.952	996.0	1424.6	504.5	78.5	0.962	1.009	0.999	-0.020	1.009	0.000	-0.002	-0.11	0.02
24	9.000	0.000	-14.142	0.951	995.0	1424.1	503.8	78.4	0.958	1.006	0.999	-0.014	1.006	0.000	-0.002	-0.14	0.03
25	10.000	0.000	-14.142	0.951	995.1	1423.8	503.7	78.5	0.955	1.004	0.999	-0.008	1.004	-0.000	-0.003	-0.20	-0.00
26	11.000	0.000	-14.142	0.952	995.6	1425.0	504.4	78.5	0.952	1.000	0.999	-0.002	1.000	0.001	-0.004	-0.23	0.03
27	12.000	0.000	-14.142	0.952	996.5	1424.6	504.6	78.7	0.950	0.998	0.999	0.002	0.998	0.001	-0.005	-0.27	0.04
28	13.000	0.000	-14.142	0.951	995.2	1426.0	504.5	78.5	0.949	0.998	0.998	0.000	0.998	0.001	-0.006	-0.33	0.04
29	14.000	0.000	-14.142	0.948	992.1	1423.5	502.0	78.2	0.948	1.000	0.999	-0.001	1.000	0.001	-0.006	-0.34	0.05
31	15.000	0.000	-14.142	0.949	993.3	1423.8	502.8	78.3	0.950	1.001	0.999	-0.003	1.001	0.001	-0.006	-0.34	0.06
32	16.000	0.000	-14.142	0.951	995.0	1424.1	503.8	78.3	0.954	1.003	0.999	-0.008	1.003	0.001	-0.006	-0.33	0.07
33	17.000	0.000	-14.142	0.948	992.6	1423.2	502.2	78.3	0.951	1.003	0.999	-0.007	1.003	0.001	-0.005	-0.31	0.07
34	18.000	0.000	-14.142	0.952	995.5	1423.2	503.8	78.3	0.957	1.005	0.999	-0.011	1.005	0.001	-0.005	-0.27	0.07
35	19.000	0.000	-14.142	0.950	994.2	1423.4	503.2	78.2	0.955	1.005	0.999	-0.011	1.005	0.001	-0.004	-0.25	0.06
37	20.000	0.000	-14.142	0.951	995.0	1424.0	503.7	78.4	0.955	1.004	0.999	-0.009	1.004	0.001	-0.004	-0.25	0.07
42	21.000	0.000	-14.142	0.951	996.3	1426.5	504.9	79.4	0.956	1.004	0.999	-0.010	1.004	0.001	-0.004	-0.24	0.06
44	22.000	0.000	-14.142	0.950	995.2	1426.7	504.4	79.1	0.956	1.005	0.999	-0.011	1.005	0.001	-0.004	-0.23	0.04
45	23.000	0.000	-14.142	0.952	996.8	1427.4	505.5	79.2	0.961	1.008	0.999	-0.018	1.008	0.001	-0.004	-0.22	0.05
46	24.000	0.000	-14.142	0.952	997.1	1427.2	505.5	79.4	0.958	1.005	0.998	-0.013	1.005	0.000	-0.003	-0.18	0.02

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	371	2.998	5.00	22	1602	0.02	2-20-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
2	-6.000	14.142	0.000	0.948	993.6	1428.0	503.8	79.5	0.950	1.002	0.999	-0.005	1.002	0.004	0.003	0.20	0.20
3	-5.000	14.142	0.000	0.952	996.9	1428.8	505.6	79.8	0.957	1.005	0.999	-0.012	1.005	0.004	0.003	0.18	0.23
4	-4.000	14.142	0.000	0.950	995.8	1429.1	505.3	79.8	0.953	1.002	0.999	-0.005	1.002	0.004	0.004	0.21	0.24
5	-3.000	14.142	0.000	0.950	995.3	1428.3	504.8	79.5	0.952	1.002	0.999	-0.005	1.002	0.005	0.003	0.17	0.26
6	-2.000	14.142	0.000	0.950	995.5	1428.5	505.0	79.6	0.951	1.001	0.999	-0.004	1.001	0.005	0.003	0.17	0.28
7	-1.000	14.142	0.000	0.950	996.0	1429.0	505.3	79.9	0.951	1.000	0.998	-0.003	1.000	0.006	0.003	0.16	0.32
8	0.000	14.142	0.000	0.950	995.5	1430.3	505.4	80.1	0.952	1.002	0.999	-0.005	1.002	0.007	0.003	0.16	0.37
9	1.000	14.142	0.000	0.950	995.6	1430.2	505.4	80.1	0.951	1.001	0.999	-0.004	1.001	0.008	0.002	0.12	0.44
10	2.000	14.142	0.000	0.949	995.2	1430.6	505.3	80.1	0.952	1.002	0.999	-0.006	1.002	0.009	0.002	0.14	0.49
11	3.000	14.142	0.000	0.951	997.0	1430.0	506.1	80.1	0.956	1.005	0.999	-0.010	1.004	0.009	0.003	0.15	0.51
12	4.000	14.142	0.000	0.949	994.5	1429.6	504.5	80.1	0.958	1.009	1.000	-0.018	1.009	0.010	0.002	0.13	0.56
13	5.000	14.142	0.000	0.949	995.1	1429.8	504.9	80.2	0.959	1.009	0.999	-0.019	1.009	0.010	0.002	0.13	0.55
14	6.000	14.142	0.000	0.950	996.0	1429.7	505.4	80.2	0.962	1.011	0.999	-0.022	1.011	0.010	0.002	0.14	0.54
15	7.000	14.142	0.000	0.951	997.2	1430.5	506.3	80.3	0.965	1.012	0.999	-0.025	1.012	0.009	0.002	0.13	0.50
16	8.000	14.142	0.000	0.953	998.7	1430.0	507.1	80.0	0.964	1.009	0.999	-0.021	1.009	0.008	0.003	0.16	0.46
17	9.000	14.142	0.000	0.949	995.1	1428.6	504.6	80.0	0.957	1.007	1.000	-0.015	1.007	0.008	0.003	0.17	0.46
18	10.000	14.142	0.000	0.952	997.5	1430.8	506.7	80.0	0.957	1.005	0.999	-0.011	1.005	0.008	0.003	0.18	0.47
19	11.000	14.142	0.000	0.954	999.0	1429.9	507.3	79.9	0.957	1.003	0.999	-0.008	1.003	0.009	0.003	0.18	0.51
20	12.000	14.142	0.000	0.949	994.9	1429.0	504.7	79.8	0.952	1.002	0.999	-0.006	1.002	0.009	0.004	0.23	0.53
21	13.000	14.142	0.000	0.952	997.6	1429.2	506.3	79.9	0.959	1.006	0.999	-0.013	1.006	0.010	0.005	0.27	0.58
22	14.000	14.142	0.000	0.952	997.0	1428.9	505.8	79.9	0.962	1.009	1.000	-0.019	1.009	0.011	0.006	0.32	0.64
23	15.000	14.142	0.000	0.953	998.1	1429.2	506.5	79.9	0.967	1.013	1.000	-0.026	1.013	0.012	0.007	0.41	0.66
24	16.000	14.142	0.000	0.953	998.1	1429.9	506.7	80.0	0.977	1.021	0.999	-0.044	1.021	0.011	0.009	0.48	0.62
25	17.000	14.142	0.000	0.954	998.9	1429.3	507.0	79.9	0.992	1.033	0.999	-0.068	1.033	0.008	0.011	0.59	0.42
27	18.000	14.142	0.000	0.950	995.5	1429.4	505.1	80.1	0.995	1.040	0.999	-0.082	1.040	-0.001	0.015	0.82	-0.07
29	19.000	14.142	0.000	0.948	994.1	1429.1	504.1	80.1	0.963	1.013	0.999	-0.027	1.013	-0.002	0.015	0.87	-0.09
31	20.000	14.142	0.000	0.952	997.2	1430.2	506.3	80.1	0.960	1.007	0.999	-0.016	1.007	-0.001	0.015	0.88	-0.05
32	21.000	14.142	0.000	0.953	998.6	1430.6	507.2	80.1	0.962	1.008	0.999	-0.016	1.007	0.000	0.016	0.89	0.01
33	22.000	14.142	0.000	0.953	998.2	1429.8	506.7	80.1	0.961	1.008	0.999	-0.016	1.007	0.001	0.015	0.88	0.03
34	23.000	14.142	0.000	0.953	998.8	1429.7	507.0	80.1	0.964	1.009	0.999	-0.020	1.009	0.001	0.015	0.86	0.08
36	24.000	14.142	0.000	0.954	999.4	1430.5	507.6	80.1	0.964	1.009	0.999	-0.020	1.009	0.001	0.015	0.86	0.06

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	387	2.999	0.00	22	1601	0.02	2-20-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
6	-6.000	0.000	-14.142	1.049	1083.1	1397.9	536.6	81.9	1.047	0.999	0.999	0.001	0.999	0.001	0.007	0.39	0.04
7	-5.000	0.000	-14.142	1.047	1082.1	1398.0	536.2	82.0	1.047	1.000	0.999	-0.001	1.000	0.001	0.007	0.39	0.06
8	-4.000	0.000	-14.142	1.052	1085.7	1399.2	538.3	81.9	1.052	1.000	0.998	-0.002	1.000	0.001	0.007	0.40	0.06
9	-3.000	0.000	-14.142	1.049	1083.1	1396.9	536.1	82.3	1.046	0.998	0.999	0.003	0.998	0.000	0.007	0.38	0.03
10	-2.000	0.000	-14.142	1.049	1083.7	1399.9	537.5	82.3	1.047	0.999	0.998	-0.000	0.999	0.000	0.006	0.37	0.02
11	-1.000	0.000	-14.142	1.049	1083.3	1398.9	537.0	82.2	1.048	1.000	0.999	-0.001	1.000	0.000	0.006	0.35	0.01
12	0.000	0.000	-14.142	1.049	1083.5	1399.2	537.3	82.0	1.051	1.001	0.998	-0.005	1.001	0.000	0.006	0.35	0.02
13	1.000	0.000	-14.142	1.048	1082.3	1399.3	536.7	82.0	1.033	0.989	0.998	0.020	0.989	-0.001	0.003	0.15	-0.03
14	2.000	0.000	-14.142	1.052	1085.8	1398.3	538.0	81.9	1.011	0.968	0.999	0.063	0.968	-0.001	-0.003	-0.16	-0.04
15	3.000	0.000	-14.142	1.051	1084.9	1397.4	537.2	82.0	1.009	0.967	0.999	0.065	0.967	-0.000	-0.005	-0.31	-0.01
16	4.000	0.000	-14.142	1.049	1083.7	1397.8	536.8	82.0	1.006	0.966	0.999	0.067	0.966	-0.000	-0.006	-0.33	-0.01
17	5.000	0.000	-14.142	1.052	1085.7	1398.3	537.9	82.0	1.013	0.970	0.999	0.059	0.969	-0.000	-0.006	-0.35	-0.02
18	6.000	0.000	-14.142	1.051	1085.2	1397.8	537.6	81.8	1.030	0.983	0.999	0.032	0.983	0.000	-0.007	-0.42	0.00
19	7.000	0.000	-14.142	1.053	1086.2	1399.4	538.6	81.8	1.049	0.997	0.999	0.004	0.997	0.000	-0.009	-0.50	0.01
20	8.000	0.000	-14.142	1.052	1086.1	1398.5	538.3	81.7	1.062	1.007	0.999	-0.016	1.007	0.001	-0.009	-0.54	0.05
21	9.000	0.000	-14.142	1.048	1082.4	1397.5	536.1	82.0	1.064	1.012	0.999	-0.027	1.012	0.000	-0.007	-0.42	0.01
22	10.000	0.000	-14.142	1.048	1083.0	1397.4	536.4	82.0	1.075	1.021	0.999	-0.043	1.021	0.000	-0.005	-0.29	0.02
23	11.000	0.000	-14.142	1.051	1084.9	1399.2	537.9	82.2	1.088	1.029	0.998	-0.060	1.029	0.001	-0.002	-0.10	0.03
24	12.000	0.000	-14.142	1.052	1086.2	1400.0	538.7	82.1	1.095	1.033	0.998	-0.068	1.033	0.001	0.003	0.17	0.07
25	13.000	0.000	-14.142	1.049	1084.0	1398.3	537.0	82.3	1.108	1.045	0.998	-0.092	1.045	0.001	0.007	0.39	0.08
27	14.000	0.000	-14.142	1.049	1083.4	1398.0	536.8	81.9	1.111	1.048	0.998	-0.097	1.048	0.001	0.013	0.73	0.07
28	15.000	0.000	-14.142	1.050	1084.0	1398.7	537.3	82.0	1.089	1.031	0.998	-0.064	1.031	0.003	0.014	0.76	0.15
29	16.000	0.000	-14.142	1.052	1086.6	1400.8	539.0	82.5	1.011	0.967	0.998	0.062	0.967	0.001	0.002	0.10	0.07
30	17.000	0.000	-14.142	1.049	1083.3	1398.3	536.8	82.1	1.001	0.963	0.999	0.073	0.963	0.000	-0.000	-0.03	0.03
31	18.000	0.000	-14.142	1.050	1085.9	1407.0	540.8	83.3	1.018	0.974	1.000	0.051	0.974	0.001	0.002	0.14	0.03
32	19.000	0.000	-14.142	1.050	1085.5	1405.9	540.0	83.6	1.035	0.989	0.998	0.020	0.989	0.001	0.008	0.45	0.04
33	20.000	0.000	-14.142	1.052	1087.4	1406.1	540.9	83.7	1.060	1.006	0.998	-0.015	1.006	0.000	0.012	0.67	0.01
34	21.000	0.000	-14.142	1.052	1087.5	1405.0	540.5	83.7	1.086	1.026	0.998	-0.056	1.026	0.000	0.016	0.89	0.03
35	22.000	0.000	-14.142	1.051	1086.6	1404.6	539.9	83.8	1.106	1.043	0.997	-0.089	1.042	0.000	0.021	1.18	0.00
36	23.000	0.000	-14.142	1.053	1088.2	1402.4	539.8	83.8	1.113	1.046	0.999	-0.095	1.046	0.001	0.024	1.33	0.03
37	24.000	0.000	-14.142	1.051	1087.0	1402.9	539.5	83.7	1.026	0.980	0.997	0.036	0.980	-0.000	0.005	0.28	-0.00

DATE 9-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	388	2.998	0.00	22	1602	0.01	2-20-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
2	-6.000	14.142	0.000	1.046	1083.1	1405.2	538.6	83.9	1.051	1.004	0.999	-0.009	1.004	0.003	0.003	0.20	0.18
3	-5.000	14.142	0.000	1.049	1085.5	1404.4	539.3	83.9	1.049	1.000	0.999	-0.002	1.000	0.002	0.003	0.18	0.14
4	-4.000	14.142	0.000	1.050	1086.3	1404.1	539.5	83.9	1.047	0.998	0.998	0.003	0.998	0.002	0.003	0.20	0.10
5	-3.000	14.142	0.000	1.050	1086.3	1404.1	539.5	84.0	1.051	1.001	1.000	-0.002	1.001	0.002	0.003	0.17	0.12
6	-2.000	14.142	0.000	1.050	1086.2	1405.5	540.0	83.9	1.047	0.998	0.999	0.004	0.998	0.002	0.003	0.16	0.12
7	-1.000	14.142	0.000	1.050	1086.6	1408.2	541.2	83.9	1.045	0.996	0.998	0.005	0.996	0.002	0.003	0.19	0.11
8	0.000	14.142	0.000	1.047	1084.1	1407.5	539.8	84.0	1.043	0.997	1.000	0.006	0.997	0.002	0.004	0.21	0.13
9	1.000	14.142	0.000	1.047	1084.6	1405.3	538.8	84.0	1.022	0.980	1.000	0.039	0.980	0.005	0.004	0.22	0.30
10	2.000	14.142	0.000	1.053	1089.0	1407.2	541.7	84.4	1.012	0.968	0.998	0.061	0.968	0.009	0.003	0.19	0.52
11	3.000	14.142	0.000	1.052	1087.9	1405.4	540.6	84.3	1.011	0.968	1.000	0.063	0.968	0.012	0.003	0.16	0.70
12	4.000	14.142	0.000	1.051	1087.5	1403.7	539.8	84.3	1.010	0.967	0.998	0.063	0.967	0.013	0.002	0.12	0.75
13	5.000	14.142	0.000	1.051	1087.4	1403.6	539.7	84.1	1.016	0.973	1.000	0.054	0.972	0.014	0.002	0.10	0.81
14	6.000	14.142	0.000	1.050	1086.3	1400.7	538.3	83.8	1.032	0.986	0.999	0.028	0.986	0.015	0.002	0.13	0.90
15	7.000	14.142	0.000	1.052	1088.0	1403.0	539.9	83.9	1.046	0.996	0.999	0.007	0.995	0.016	0.002	0.11	0.94
17	8.000	14.142	0.000	1.051	1086.9	1401.6	539.1	83.4	1.053	1.001	0.999	-0.003	1.001	0.016	0.002	0.11	0.91
19	9.000	14.142	0.000	1.050	1085.9	1401.5	538.6	83.3	1.059	1.007	0.999	-0.015	1.007	0.014	0.002	0.14	0.79
20	10.000	14.142	0.000	1.052	1087.4	1402.4	539.7	83.3	1.070	1.014	0.998	-0.029	1.014	0.012	0.003	0.17	0.66
21	11.000	14.142	0.000	1.049	1084.3	1401.3	537.9	83.1	1.079	1.024	0.999	-0.049	1.024	0.008	0.004	0.21	0.44
22	12.000	14.142	0.000	1.051	1086.6	1402.6	539.4	83.3	1.094	1.033	0.999	-0.067	1.033	0.005	0.004	0.22	0.28
23	13.000	14.142	0.000	1.051	1085.9	1401.8	538.8	83.1	1.104	1.041	0.998	-0.084	1.041	0.002	0.004	0.20	0.10
24	14.000	14.142	0.000	1.052	1087.4	1402.2	539.6	83.2	1.114	1.047	0.998	-0.097	1.047	-0.003	0.001	0.06	-0.17
25	15.000	14.142	0.000	1.051	1086.1	1401.7	538.8	83.2	1.073	1.018	0.998	-0.037	1.018	0.003	-0.001	-0.06	0.15
26	16.000	14.142	0.000	1.052	1087.3	1403.0	539.9	83.2	1.030	0.982	0.999	0.033	0.982	0.012	-0.001	-0.07	0.70
27	17.000	14.142	0.000	1.053	1088.2	1400.4	539.4	83.0	1.027	0.979	1.000	0.042	0.979	0.010	0.001	0.06	0.59
28	18.000	14.142	0.000	1.054	1088.6	1401.4	539.9	83.2	1.041	0.990	0.999	0.019	0.990	0.003	0.002	0.12	0.19
29	19.000	14.142	0.000	1.052	1086.8	1401.9	539.3	83.1	1.062	1.008	0.999	-0.018	1.008	-0.005	0.002	0.12	-0.28
30	20.000	14.142	0.000	1.051	1085.8	1402.2	539.0	83.0	1.091	1.031	0.998	-0.065	1.031	-0.013	0.002	0.09	-0.69
31	21.000	14.142	0.000	1.051	1086.1	1401.9	539.0	83.1	1.116	1.050	0.997	-0.102	1.050	-0.019	0.001	0.06	-1.02
34	22.000	14.142	0.000	1.051	1086.3	1403.4	539.7	83.0	1.044	0.994	0.996	0.006	0.994	-0.001	-0.001	-0.04	-0.05
35	23.000	14.142	0.000	1.053	1088.0	1402.0	539.9	83.1	1.034	0.985	0.999	0.029	0.985	0.004	-0.001	-0.04	0.25
36	24.000	14.142	0.000	1.053	1088.0	1402.2	540.0	83.0	1.030	0.981	0.999	0.036	0.981	0.004	-0.001	-0.06	0.21

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	408	3.001	2.00	22	1601	0.02	2-20-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
6	-6.000	0.000	-14.142	1.050	1086.6	1405.6	540.2	84.0	1.051	1.001	0.999	-0.003	1.001	-0.000	0.006	0.34	-0.01
7	-5.000	0.000	-14.142	1.050	1085.9	1403.8	539.2	83.9	1.051	1.001	1.000	-0.002	1.001	0.001	0.006	0.35	0.03
8	-4.000	0.000	-14.142	1.051	1086.7	1405.1	540.1	83.9	1.052	1.001	0.999	-0.002	1.001	0.000	0.006	0.32	0.02
9	-3.000	0.000	-14.142	1.050	1086.1	1405.5	540.0	84.0	1.050	1.000	0.998	-0.002	1.000	-0.000	0.006	0.32	-0.02
10	-2.000	0.000	-14.142	1.048	1084.8	1404.5	539.0	84.0	1.048	1.000	0.999	-0.001	1.000	-0.000	0.006	0.35	-0.01
11	-1.000	0.000	-14.142	1.052	1088.2	1405.0	540.7	83.9	1.054	1.001	0.999	-0.004	1.001	-0.000	0.006	0.34	-0.03
12	0.000	0.000	-14.142	1.050	1086.2	1403.4	539.3	83.8	1.051	1.001	1.000	-0.002	1.001	-0.001	0.005	0.31	-0.04
13	1.000	0.000	-14.142	1.048	1084.7	1404.1	538.8	83.9	1.045	0.998	1.000	0.004	0.998	-0.001	0.003	0.20	-0.07
14	2.000	0.000	-14.142	1.050	1086.1	1404.7	539.7	83.9	1.012	0.970	0.999	0.059	0.970	-0.001	-0.003	-0.19	-0.05
15	3.000	0.000	-14.142	1.048	1084.2	1404.3	538.7	83.9	1.010	0.971	1.000	0.058	0.971	-0.000	-0.005	-0.32	-0.01
16	4.000	0.000	-14.142	1.053	1088.3	1404.6	540.7	83.7	1.012	0.968	1.000	0.063	0.968	-0.000	-0.007	-0.40	-0.01
17	5.000	0.000	-14.142	1.053	1088.7	1406.3	541.4	83.9	1.021	0.975	0.999	0.049	0.975	-0.001	-0.007	-0.40	-0.03
18	6.000	0.000	-14.142	1.052	1088.0	1403.7	540.1	83.9	1.028	0.981	1.000	0.038	0.981	-0.000	-0.007	-0.43	-0.01
19	7.000	0.000	-14.142	1.053	1088.9	1405.3	541.2	83.9	1.044	0.993	0.999	0.013	0.993	0.000	-0.009	-0.52	0.00
20	8.000	0.000	-14.142	1.052	1087.9	1405.6	540.8	83.9	1.060	1.006	0.999	-0.013	1.006	0.000	-0.011	-0.60	0.02
21	9.000	0.000	-14.142	1.052	1087.6	1406.0	540.9	83.8	1.065	1.010	0.998	-0.023	1.010	-0.000	-0.010	-0.55	-0.01
22	10.000	0.000	-14.142	1.052	1088.1	1404.6	540.6	83.8	1.076	1.019	0.999	-0.038	1.019	-0.000	-0.008	-0.45	-0.01
23	11.000	0.000	-14.142	1.053	1088.2	1405.0	540.8	83.7	1.086	1.026	0.999	-0.053	1.026	0.000	-0.005	-0.29	0.01
24	12.000	0.000	-14.142	1.051	1086.8	1404.2	539.9	83.7	1.093	1.033	0.999	-0.066	1.033	0.000	0.000	0.01	0.01
25	13.000	0.000	-14.142	1.051	1086.9	1402.6	539.2	84.0	1.108	1.044	0.999	-0.089	1.044	0.001	0.003	0.19	0.05
27	14.000	0.000	-14.142	1.046	1083.0	1404.4	538.1	84.0	1.104	1.045	0.999	-0.091	1.045	0.001	0.013	0.69	0.06
28	15.000	0.000	-14.142	1.046	1082.7	1401.9	537.0	84.1	1.028	0.987	0.999	0.026	0.987	0.000	0.004	0.24	0.02
29	16.000	0.000	-14.142	1.049	1085.2	1403.9	538.9	84.0	0.982	0.947	0.999	0.105	0.947	0.000	-0.005	-0.31	0.01
30	17.000	0.000	-14.142	1.049	1085.2	1405.2	539.4	84.0	1.002	0.963	0.998	0.072	0.963	0.000	-0.004	-0.23	0.02
32	18.000	0.000	-14.142	1.050	1086.0	1406.1	540.1	84.0	1.019	0.976	0.998	0.046	0.976	0.000	-0.001	-0.05	0.02
33	19.000	0.000	-14.142	1.050	1086.6	1405.8	540.2	84.2	1.038	0.991	0.999	0.016	0.991	-0.000	0.002	0.12	-0.00
35	20.000	0.000	-14.142	1.049	1086.0	1405.6	539.9	84.2	1.062	1.010	0.999	-0.021	1.010	-0.000	0.005	0.27	-0.01
38	21.000	0.000	-14.142	1.054	1089.7	1405.4	541.3	84.4	1.083	1.023	0.999	-0.046	1.023	-0.000	0.008	0.45	-0.00
39	22.000	0.000	-14.142	1.049	1086.3	1404.6	539.5	84.5	1.086	1.028	0.999	-0.058	1.028	-0.000	0.009	0.52	-0.00
40	23.000	0.000	-14.142	1.052	1088.3	1404.4	540.4	84.3	1.108	1.043	0.998	-0.088	1.043	-0.000	0.016	0.88	-0.02
41	24.000	0.000	-14.142	1.050	1087.0	1407.6	540.9	84.5	1.024	0.980	0.996	0.036	0.980	0.000	-0.000	-0.02	0.01

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	409	2.998	2.00	22	1602	0.02	2-20-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
3	-6.000	14.142	0.000	1.049	1085.4	1404.5	539.2	84.0	1.053	1.003	0.999	-0.007	1.003	0.003	0.003	0.14	0.16
4	-5.000	14.142	0.000	1.050	1086.2	1404.7	539.7	84.0	1.052	1.002	1.000	-0.004	1.002	0.002	0.003	0.16	0.13
5	-4.000	14.142	0.000	1.050	1086.6	1405.3	540.1	83.9	1.053	1.002	1.000	-0.005	1.002	0.001	0.003	0.15	0.08
6	-3.000	14.142	0.000	1.050	1086.1	1403.0	539.1	83.8	1.053	1.002	1.000	-0.004	1.002	0.001	0.002	0.13	0.08
7	-2.000	14.142	0.000	1.052	1087.8	1405.2	540.6	83.9	1.052	1.000	1.000	-0.001	1.000	0.001	0.002	0.14	0.08
8	-1.000	14.142	0.000	1.053	1088.3	1405.5	541.0	83.8	1.049	0.997	0.999	0.005	0.997	0.001	0.003	0.15	0.07
9	0.000	14.142	0.000	1.052	1087.7	1402.9	539.7	83.8	1.051	0.999	1.000	0.001	0.999	0.001	0.003	0.17	0.08
10	1.000	14.142	0.000	1.051	1086.7	1402.7	539.2	83.9	1.039	0.991	1.001	0.018	0.991	0.004	0.003	0.17	0.21
11	2.000	14.142	0.000	1.053	1088.4	1404.2	540.5	84.0	1.014	0.970	1.000	0.062	0.970	0.009	0.003	0.16	0.52
12	3.000	14.142	0.000	1.051	1086.8	1405.0	540.2	83.7	1.011	0.969	0.999	0.062	0.968	0.012	0.003	0.15	0.68
13	4.000	14.142	0.000	1.053	1088.7	1404.8	540.8	84.0	1.014	0.969	0.999	0.061	0.969	0.013	0.002	0.09	0.74
14	5.000	14.142	0.000	1.051	1087.4	1403.1	539.6	84.0	1.019	0.975	1.001	0.051	0.975	0.013	0.001	0.07	0.79
15	6.000	14.142	0.000	1.049	1085.0	1404.7	539.3	83.8	1.036	0.990	1.000	0.019	0.990	0.016	0.002	0.09	0.92
16	7.000	14.142	0.000	1.054	1089.4	1401.6	539.9	83.9	1.046	0.994	1.000	0.013	0.994	0.016	0.002	0.11	0.94
17	8.000	14.142	0.000	1.051	1087.0	1403.9	539.7	84.0	1.054	1.003	1.000	-0.006	1.003	0.016	0.002	0.09	0.89
18	9.000	14.142	0.000	1.048	1084.1	1402.9	538.1	83.9	1.059	1.009	1.001	-0.016	1.009	0.013	0.003	0.16	0.74
19	10.000	14.142	0.000	1.052	1087.8	1404.0	540.1	84.0	1.069	1.014	1.000	-0.027	1.013	0.012	0.003	0.15	0.66
20	11.000	14.142	0.000	1.050	1086.3	1406.1	540.2	84.0	1.082	1.025	0.998	-0.051	1.025	0.007	0.003	0.18	0.42
21	12.000	14.142	0.000	1.052	1088.3	1404.4	540.5	84.1	1.092	1.031	0.999	-0.063	1.031	0.005	0.004	0.24	0.27
22	13.000	14.142	0.000	1.050	1086.6	1407.1	540.6	84.3	1.098	1.037	0.997	-0.077	1.037	0.000	0.000	0.02	0.00
23	14.000	14.142	0.000	1.052	1088.4	1403.9	540.3	84.1	1.114	1.047	0.999	-0.096	1.047	-0.004	0.001	0.05	-0.20
24	15.000	14.142	0.000	1.050	1086.2	1404.5	539.6	84.1	1.087	0.990	0.998	0.017	0.990	0.007	0.000	0.02	0.41
25	16.000	14.142	0.000	1.049	1085.5	1406.2	539.9	84.1	1.017	0.975	0.999	0.049	0.975	0.011	0.004	0.24	0.68
26	17.000	14.142	0.000	1.052	1088.3	1404.6	540.5	84.3	1.027	0.980	1.000	0.038	0.980	0.009	0.005	0.32	0.54
27	18.000	14.142	0.000	1.051	1087.6	1406.1	540.6	84.6	1.045	0.996	0.999	0.008	0.996	0.001	0.007	0.40	0.08
29	19.000	14.142	0.000	1.049	1086.1	1405.7	539.8	84.5	1.069	1.016	1.000	-0.032	1.016	-0.006	0.008	0.44	-0.34
30	20.000	14.142	0.000	1.049	1086.3	1405.7	539.9	84.5	1.096	1.036	0.999	-0.073	1.036	-0.011	0.008	0.47	-0.63
31	21.000	14.142	0.000	1.048	1084.8	1407.0	539.8	84.3	1.113	1.050	0.998	-0.102	1.050	-0.016	0.008	0.45	-0.88
32	22.000	14.142	0.000	1.051	1087.4	1404.4	540.0	84.3	1.098	1.036	0.998	-0.075	1.036	-0.010	0.008	0.43	-0.53
33	23.000	14.142	0.000	1.051	1087.7	1407.5	541.2	84.4	1.034	0.987	1.000	0.026	0.987	0.004	0.006	0.34	0.26
34	24.000	14.142	0.000	1.048	1085.3	1404.1	538.8	84.7	1.028	0.984	1.000	0.031	0.984	0.003	0.005	0.27	0.17

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.,
AEDC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	425	2.995	5.00	22	1601	0.02	2-20-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
6	-6.000	0.000	-14.142	1.050	1087.0	1405.5	540.0	84.7	1.051	1.001	0.999	-0.002	1.001	0.001	0.006	0.32	0.05
7	-5.000	0.000	-14.142	1.048	1085.6	1406.1	539.6	84.8	1.051	1.002	1.000	-0.005	1.002	0.001	0.005	0.31	0.06
8	-4.000	0.000	-14.142	1.049	1086.1	1407.3	540.2	84.9	1.048	0.999	0.999	0.001	0.999	0.001	0.006	0.32	0.04
9	-3.000	0.000	-14.142	1.054	1090.5	1408.0	542.5	84.9	1.055	1.001	0.999	-0.004	1.001	0.000	0.005	0.31	0.02
10	-2.000	0.000	-14.142	1.051	1087.8	1407.4	541.0	85.1	1.050	0.999	1.000	0.000	0.999	0.001	0.005	0.30	0.06
11	-1.000	0.000	-14.142	1.050	1087.0	1409.0	541.3	84.9	1.052	1.002	0.999	-0.005	1.002	0.000	0.005	0.31	0.01
12	0.000	0.000	-14.142	1.048	1085.4	1408.7	540.5	84.9	1.052	1.003	0.999	-0.007	1.003	0.000	0.005	0.30	0.02
13	1.000	0.000	-14.142	1.049	1085.9	1406.8	540.0	84.7	1.049	1.001	1.000	-0.002	1.001	-0.000	0.005	0.28	-0.00
14	2.000	0.000	-14.142	1.054	1090.5	1409.1	542.8	85.1	1.040	0.989	0.998	0.019	0.989	-0.000	0.001	0.03	-0.03
15	3.000	0.000	-14.142	1.051	1087.8	1406.8	540.8	84.9	1.009	0.967	0.999	0.066	0.967	0.000	-0.006	-0.34	0.00
16	4.000	0.000	-14.142	1.051	1087.5	1408.6	541.4	84.7	1.009	0.967	0.999	0.064	0.967	0.000	-0.007	-0.40	0.00
17	5.000	0.000	-14.142	1.049	1085.8	1406.2	539.8	84.6	1.011	0.970	1.000	0.059	0.970	0.001	-0.007	-0.40	0.03
18	6.000	0.000	-14.142	1.049	1086.3	1405.5	539.7	84.7	1.025	0.981	1.000	0.038	0.981	0.001	-0.008	-0.45	0.03
19	7.000	0.000	-14.142	1.049	1086.4	1406.4	540.1	84.7	1.038	0.992	0.999	0.016	0.991	0.001	-0.010	-0.56	0.04
20	8.000	0.000	-14.142	1.050	1086.7	1406.9	540.5	84.6	1.051	1.001	0.999	-0.003	1.001	0.000	-0.011	-0.64	0.03
21	9.000	0.000	-14.142	1.051	1087.6	1406.2	540.6	84.7	1.061	1.008	1.000	-0.016	1.008	0.000	-0.010	-0.59	0.01
22	10.000	0.000	-14.142	1.054	1090.1	1407.5	542.1	84.8	1.072	1.014	0.999	-0.030	1.014	-0.000	-0.010	-0.54	-0.01
23	11.000	0.000	-14.142	1.050	1087.1	1406.0	540.3	84.8	1.081	1.024	0.999	-0.049	1.024	0.001	-0.006	-0.33	0.03
24	12.000	0.000	-14.142	1.054	1090.2	1407.6	542.2	84.7	1.087	1.026	0.999	-0.053	1.026	0.002	-0.002	-0.12	0.09
25	13.000	0.000	-14.142	1.046	1083.5	1404.8	538.3	84.6	1.099	1.041	1.000	-0.082	1.041	0.002	0.002	0.13	0.11
27	14.000	0.000	-14.142	1.047	1084.4	1404.1	538.3	84.7	1.101	1.042	1.000	-0.084	1.042	0.001	0.008	0.43	0.07
29	15.000	0.000	-14.142	1.048	1085.7	1404.2	538.9	84.9	0.963	0.932	0.999	0.136	0.932	0.002	-0.009	-0.56	0.11
30	16.000	0.000	-14.142	1.049	1086.4	1406.5	540.1	84.9	0.975	0.941	0.999	0.116	0.941	0.001	-0.010	-0.61	0.07
31	17.000	0.000	-14.142	1.051	1087.8	1406.5	540.7	84.9	0.992	0.954	0.998	0.091	0.954	0.001	-0.010	-0.60	0.06
33	18.000	0.000	-14.142	1.046	1084.3	1405.9	538.8	85.0	1.013	0.974	0.999	0.051	0.974	0.002	-0.010	-0.57	0.09
34	19.000	0.000	-14.142	1.044	1085.9	1407.8	540.3	85.0	1.031	0.986	0.998	0.025	0.986	0.001	-0.009	-0.54	0.08
36	20.000	0.000	-14.142	1.049	1086.4	1408.5	540.8	85.0	1.048	0.999	0.998	-0.001	0.999	0.002	-0.008	-0.46	0.10
37	21.000	0.000	-14.142	1.052	1089.2	1407.1	541.5	85.1	1.068	1.012	1.000	-0.025	1.012	0.002	-0.005	-0.28	0.10
38	22.000	0.000	-14.142	1.050	1087.4	1408.3	541.2	85.0	1.086	1.028	0.998	-0.058	1.028	0.002	0.001	0.04	0.11
39	23.000	0.000	-14.142	1.053	1090.2	1408.5	542.4	85.1	1.108	1.042	0.998	-0.086	1.042	0.002	0.007	0.38	0.09
40	24.000	0.000	-14.142	1.048	1085.7	1406.3	539.5	85.4	1.073	1.020	0.998	-0.042	1.020	0.002	-0.001	-0.05	0.11

DATE 8-MAR-78 PROJECT NO P41C-N0C
ARO, INC.
AEDC DIVISION
A SVEPDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

TEST	PART	REX10-6	ALFA	CONFIG	SURVEY	ALFAS	DATE	AEDC PROPULSION WIND TUNNEL
TC-532	426	3.002	5.00	22	1602	0.01	2-20-78	TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
2	-6.000	14.142	0.000	1.053	1090.0	1408.0	542.3	84.8	1.058	1.004	0.999	-0.008	1.004	0.004	0.003	0.18	0.20
3	-5.000	14.142	0.000	1.052	1088.9	1408.4	541.9	84.8	1.055	1.002	0.999	-0.005	1.002	0.003	0.003	0.16	0.19
4	-4.000	14.142	0.000	1.047	1084.5	1405.6	538.9	84.7	1.046	0.999	1.000	0.002	0.999	0.003	0.003	0.15	0.18
5	-3.000	14.142	0.000	1.052	1088.4	1406.2	540.9	84.7	1.054	1.002	1.000	-0.005	1.002	0.002	0.002	0.12	0.14
6	-2.000	14.142	0.000	1.052	1088.5	1406.3	541.0	84.8	1.052	1.000	1.000	-0.000	1.000	0.002	0.002	0.12	0.13
7	-1.000	14.142	0.000	1.047	1084.9	1406.2	539.4	84.7	1.045	0.998	1.000	0.004	0.998	0.002	0.003	0.18	0.14
8	0.000	14.142	0.000	1.050	1086.9	1406.4	540.5	84.4	1.047	0.997	1.000	0.005	0.997	0.003	0.003	0.17	0.15
9	1.000	14.142	0.000	1.052	1088.6	1407.5	541.6	84.5	1.040	0.991	0.999	0.018	0.991	0.004	0.003	0.18	0.24
10	2.000	14.142	0.000	1.052	1088.9	1404.9	540.7	84.6	1.012	0.968	1.000	0.064	0.968	0.009	0.003	0.16	0.54
11	3.000	14.142	0.000	1.051	1087.9	1406.8	541.0	84.6	1.017	0.973	1.000	0.054	0.973	0.012	0.002	0.11	0.73
12	4.000	14.142	0.000	1.052	1087.9	1407.1	541.2	84.3	1.013	0.969	1.000	0.061	0.969	0.013	0.001	0.05	0.78
13	5.000	14.142	0.000	1.054	1090.0	1406.1	541.7	84.5	1.016	0.970	1.000	0.059	0.970	0.014	0.000	0.01	0.80
14	6.000	14.142	0.000	1.048	1084.8	1405.7	539.3	84.4	1.035	0.990	1.000	0.019	0.990	0.017	0.001	0.07	0.97
15	7.000	14.142	0.000	1.053	1089.6	1405.4	541.2	84.7	1.045	0.994	1.000	0.013	0.994	0.017	0.001	0.05	0.98
16	8.000	14.142	0.000	1.050	1087.0	1406.0	540.3	84.6	1.051	1.001	0.999	-0.003	1.001	0.017	0.001	0.08	0.95
17	9.000	14.142	0.000	1.048	1085.0	1405.3	539.2	84.5	1.059	1.009	1.000	-0.017	1.009	0.014	0.003	0.16	0.81
18	10.000	14.142	0.000	1.050	1086.7	1404.2	539.5	84.4	1.070	1.015	1.000	-0.030	1.015	0.012	0.003	0.17	0.68
19	11.000	14.142	0.000	1.050	1086.6	1404.4	539.5	84.5	1.081	1.024	1.000	-0.048	1.024	0.009	0.004	0.21	0.51
20	12.000	14.142	0.000	1.052	1088.5	1404.6	540.4	84.6	1.092	1.031	1.000	-0.061	1.031	0.006	0.004	0.25	0.31
22	13.000	14.142	0.000	1.054	1090.6	1408.1	542.7	84.6	1.100	1.035	0.998	-0.072	1.035	0.002	0.006	0.30	0.12
23	14.000	14.142	0.000	1.049	1086.4	1407.7	540.6	84.7	1.086	1.029	0.998	-0.059	1.029	0.003	0.000	0.01	0.18
24	15.000	14.142	0.000	1.050	1087.2	1407.1	540.8	84.7	1.007	0.966	0.999	0.066	0.966	0.019	0.002	0.09	1.12
25	16.000	14.142	0.000	1.053	1090.0	1407.5	542.1	84.8	1.011	0.966	1.000	0.067	0.966	0.019	0.005	0.28	1.11
27	17.000	14.142	0.000	1.050	1087.6	1406.8	540.7	84.9	1.025	0.980	1.000	0.040	0.980	0.014	0.009	0.53	0.83
28	18.000	14.142	0.000	1.052	1088.6	1407.6	541.6	84.7	1.048	0.997	0.999	0.005	0.997	0.009	0.011	0.66	0.51
29	19.000	14.142	0.000	1.050	1087.6	1407.7	541.0	85.0	1.087	1.029	0.999	-0.058	1.028	0.000	0.015	0.81	0.02
30	20.000	14.142	0.000	1.052	1088.6	1406.8	541.2	84.8	1.121	1.053	0.998	-0.108	1.053	-0.009	0.018	1.00	-0.48
33	21.000	14.142	0.000	1.049	1086.3	1407.4	540.3	85.0	1.141	1.070	0.997	-0.143	1.070	-0.020	0.023	1.21	-1.06
35	22.000	14.142	0.000	1.053	1090.1	1406.5	541.7	85.0	1.142	1.067	0.996	-0.138	1.067	-0.019	0.022	1.19	-1.00
36	23.000	14.142	0.000	1.053	1090.3	1407.7	542.2	85.1	1.063	1.008	0.999	-0.017	1.008	0.004	0.019	1.07	0.23
37	24.000	14.142	0.000	1.050	1087.4	1407.3	540.7	85.1	1.035	0.988	0.999	0.021	0.988	0.006	0.014	0.83	0.33


DAT
FILM