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RESULTS OF AEROTHERMODYNAMIC HEAT TRANSFER TESTS ON A 0.03-SCALE MODEL (93-0) SIMULATING THE ELEVON/ELEVON GAP AND ELEVON/FUSELAGE INTERFACE REGIONS OF THE SPACE SHUTTLE ORBITER IN THE AMES RESEARCH CENTER 3.5-FOOT HYPERSONIC WIND TUNNEL (OH58)

by

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Prepared under NASA Contract Number NAS9-13247

by

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for

Engineering Analysis Division

Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number:	ARC 3.5-235
NASA Series Number:	OH58
Model Number:	93-0
Test Dates:	March 24, 1978 through April 21, 1978
Occupancy Hours:	168

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ABSTRACT

Results of test OH58 and pertinent test and model information are presented in this report. Test OH58 was performed in the NASA/ARC 3.5-Foot Hypersonic Wind Tunnel from March 24 through April 21, 1978. Test objective was to measure detailed elevon/elevon gap and fuselage/elevon interface heating distribution to verify design heating rates. The model utilized for OH58 was a .04-scale simulation of the orbiter elevon/elevon stub region and an approximately .03-scale representation of the fuselage/elevon region of the orbiter. The model was instrumented with static pressure orifices and thermocouples.

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NOMENCLATURE

PLOT SYMBOL	MNEMONIC	DESCRIPTION
	Thermocouple Portion of Test	
b		thickness of model skin
C		specific heat of model skin material
C_o, C_1, C_2		constants in curve fit for C over model wall temperature range
c_p		specific heat of air stream (perfect gas value)
CHAN	CHAN	recording-system channel
H_{aw}	HAW	adiabatic wall enthalpy
H_t	HT	freestream total enthalpy
H_{w_i}	HW	enthalpy based on model wall temperature for given T/C location at initial time
h	H	heat-transfer coefficient at model wall for given T/C location
h_{ref}	HREF	stagnation-point heat-transfer coefficient for reference sphere
h/h_{ref}(X.XXX)	H/HREF(X.XXX)	ratio of model heat-transfer coefficient to heat-transfer coefficient of reference sphere for H_{aw}/H_t = X.XXX (1.0, 0.9, 0.85)
L	LENGTH	model reference length
M_∞	MACH	freestream Mach number
$\dot{q}_i$	QDOT	heat-transfer rate at model wall for given T/C location at initial time
$\dot{q}_s$	QREF	stagnation-point heat-transfer rate for reference sphere at initial time
P_t	PT	freestream total pressure

NOMENCLATURE (Continued)

PLOT SYMBOL	MNEMONIC	DESCRIPTION
R_s	RS	reference sphere radius at model scale equivalent to 0.305 m (1 ft.) for full-scale vehicle
Re_∞/ft	RN/FT	freestream Reynolds number per foot
	RN/L	nominal Reynolds number per foot x 10^{-6}
$Re_{\infty,L}$	REL	freestream Reynolds number based on model reference length, L
St(X.XXX)	STN NO(X.XXX)	Stanton number based on freestream flow conditions and the model heat-transfer coefficient for H_{aw}/H_t = X.XXX (1.0, 0.9,0.85)
T		temperature
T_t	TT	freestream total temperature
$T_{t_{avg}}$	TTAV	average freestream total temperature
T_{w_i}	TW	model wall temperature for given T/C location at initial time
T/C	T/C NO	thermocouple
t		time
t_i	TIME	initial time (before model insertion into flow) extrapolated from $F(T_w)$ vs. time
u		velocity
W		density of model skin material

Pressure Portion of Test

C_{p_n}	CPN	pressure coefficient using measured model static pressure, freestream static pressure, and freestream dynamic pressure for orifice n

NOMENCLATURE (Continued)

PLOT SYMBOL	MNEMONIC	DESCRIPTION
$C_{P_{MAX}}$	CPMAX	maximum pressure coefficient, using total pressure across a normal shock, freestream static pressure and freestream dynamic pressure
$C_{P_N}/C_{P_{MAX}}$	CPN/CPMAX	ratio of model local pressure coefficient to the stagnation pressure coefficient
P_∞	PINF	test section static pressure
P_n	PN	model static pressure for orifice n
P/P_∞	P/PINF	ratio of model local pressure to freestream static pressure
P_{STAG}	PT2	stagnation pressure downstream of a normal shock
P_{STAG}/P_{T_1}	PT2PT1	ratio of stagnation pressure behind normal shock to stagnation pressure forward of normal shock
P/P_{STAG}	P/PT2	ratio of model local pressure to stagnation pressure behind a normal shock
P/P_t	P/PT	ratio of model local pressure to total pressure
q_∞	QINF	test section dynamic pressure
R_e	RN/FT	test section Reynolds No. per foot
T_0	TO	test section total temperature
T_∞	TINF	test section static temperature
V_∞	VINF	freestream air velocity
α	ALPHA-MODEL	model angle-of-attack
α_S	ALPHA SECTOR	angle of the strut sector
δ_e	ELEVON	elevon deflection angle

NOMENCLATURE (Concluded)

PLOT SYMBOL	MNEMONIC	DESCRIPTION
γ	GAMMA	ratio of specific heats
μ_∞	MUINF	test section air viscosity
ϕ	PHI	model roll attitude
ρ_∞	RHO	test section air density

Subscripts

aw	adiabatic wall
i	initial value before model insertion into tunnel flow
PG	perfect gas (calorically and thermally perfect gas)
s	reference sphere
t	freestream total condition
w	wall
∞	freestream
1	conditions upstream of shock
2	conditions downstream of shock

CONFIGURATIONS INVESTIGATED

Model 93-0 is a flat plate with a .04-scale simulation of the orbiter elevon-elevon stub region and an approximately .03-scale simulation of the elevon-fuselage region. The model was instrumented to measure heating and pressure distributions in and around the elevon-elevon and elevon-fuselage gap regions with variations of elevon deflection, flat plate angle-of-attack, Reynolds number and boundary layer state.

The width of the model was eleven inches and the overall length was variable. Four different lengths of flat plate ahead of the hinge line was used. The flat plate lengths were 3.6, 6, 7.8, and 14.4 inches. The flat plate thickness was .04-scale of the full scale wing thickness on the wing elevon hinge line at the center of the elevon-elevon stub. The elevon-fuselage gap simulation used this same thickness and was approximately .03-scale.

The leading edge wedge is made of 17-4 stainless steel with a 23 degree wedge angle and a 0.010 inch radius.

Side plates were used to give two dimensional flow. The model was mounted to the side plates which were in turn attached to strut assembly.

The elevon-elevon portion of the model was a .04-scale reproduction of the orbiter elevon stub region. The elevon and elevon stub thickness and chord were simulated. The elevons were deflected to +5 and -10 degrees from 0 degrees. This was accomplished with hinge brackets. The elevon-elevon gap of .02 inches, model scale, was used. The elevon-elevon gap

angle used was 7 degrees.

The fuselage-elevon simulation used the same left elevon of the elevon-elevon simulation plus a partial simulation of the fuselage on the right side of the stub area. The scale was approximately .03. The fuselage was simulated for 1.5 inches forward of the elevon hinge line and 2 inches above the lower surface of the elevon. The lower fuselage contour in the elevon area was simulated. The elevon deflections of 0, 10, and -10 degrees were used for the fuselage-elevon simulation. A fuselage-elevon gap size of 0.143 inches was used. A 16 degree elevon gap angle was used in the fuselage-elevon simulation.

Model 93-0 nomenclature is as follows:

Configuration

EE/T	Elevon-Elevon Simulation Thermocouple
EE/P	Elevon-Elevon Simulation Pressure
FE/T	Fuselage-Elevon Simulation Thermocouple
FE/P	Fuselage-Elevon Simulation Pressure

Variables

δ_e	Elevon Deflection Angle-Degrees
L	Length of Model-Inches
RN	Reynolds Number
α	Model Angle-of-Attack

INSTRUMENTATION

Model instrumentation consisted of 5-mil chromel-constantan thermocouples and static pressure orifices. (Tables IV through IX and Figures 2a through 2g give the locations of the instrumentation.)

The thermocouples were installed on 17-4 stainless steel thin-skin sections of the flat plate lower surface elevon, and fuselage simulations. The thin-skin thickness was a nominal 0.015 inches within a 0.25 inch radius of any thermocouple. The actual skin thickness is given in Tables IV through VI. Each thermocouple has 50 feet of lead so it can be hooked up to the junction box at the west end of the test section.

Static pressure measurements were made during separate runs from the temperature data runs. The pressure orifice locations are generally the same as the thermocouple locations. The pressure orifices were connected to individual transducers via 100 inch lengths of .064" O. D. stainless steel tubing routed through the side plates and strut assembly. The transducers were provided by the tunnel.

TEST FACILITY DESCRIPTION

The NASA-Ames 3.5-foot Hypersonic Wind Tunnel is a closed-circuit, blowdown-type tunnel capable of operating at nominal Mach numbers of 5, 7, and 10 at pressures to 1800 psia and temperatures of 3400°R for run times to four minutes. The major components of the facility include a gas storage system where the test gas is stored at 3000 psi, a storage heater filled with aluminum-oxide pebbles capable of heating the test gas to 3400°R, axisymmetric contoured nozzles with exit diameters of 42 inches for generating the desired Mach number, and a 900,000 ft^3 vacuum storage system which operates to pressures of 0.3 psia. The test section itself is an open-jet type enclosed within a chamber approximately 12-feet in diameter and 40-feet in length, arranged transversally to the flow direction.

A model support system is provided that can pitch models through an angle-of-attack range of -20 to +20 degrees, in a vertical plane, about a fixed point of rotation on the tunnel centerline. This rotation point is adjustable from 1 to 5 feet from the nozzle exit plane. The model normally is out of the test stream (strut centerline 37 inches from tunnel centerline) until the tunnel test conditions are established after which it is inserted. Insertion time is adjustable to as little as 1/2 second and models may be inserted at any strut angle.

A high-speed, analog-to-digital data acquisition system is used to record test data on magnetic tape. The present system is equipped to measure and record the outputs from 80 transducers in addition to 20 channels of tunnel parameters.

TEST PROCEDURE

Heat transfer data were obtained by measuring the temperature rise over a period of time. The model was injected into the flow in approximately 1 second and held on tunnel centerline for approximately 1 second. Temperature measurements and tunnel conditions were recorded on magnetic tape at 0.07-second intervals by the data acquisition system from the start of model injection to the start of model retraction.

The thermocouple leads were routed from the model through the tunnel model-injection mechanism, and connected to a junction box which was wired directly to a thermocouple reference-temperature (150°F) box. The junction box connectors were wrapped with asbestos for heat protection from the tunnel test-chamber ambient conditions (no freestream flow on box). Prior to testing, a thermocouple heat-response check, through the data-acquisition system, was performed on all thermocouples to assure proper hookup, polarity and response.

Static pressure data were obtained by recording the pressures from start of model injection until the model was withdrawn from the flow. Upon examination of the data, it appeared that pressures from some of the taps on the fuselage side of the model did not stabilize in the test period. A longer test period was then used, but that seemed to introduce an effect due to heating. With careful examination of the data, however, it was possible to find stabilized pressure levels during the run and before any heating effects. Specific data frame numbers in this stabilized period were used on the final data presentation. Model time

on tunnel centerline was tried at 20, 10 and 5 seconds. The 10 second period was used through most of the test.

The tubing connecting the pressure orifices with the transducers was routed through the side plates and down the support system. Some problems were encountered in leak-checking the orifice-tubing-transducer system. The system was disconnected just in front of the transducers and then leak-checked on both sides. These checks showed no leaks, so the system was reassembled and assumed to be leak-tight.

DATA REDUCTION*

Thermocouple Data

All test data were reduced at the NASA Ames Research Center using the data reduction techniques outlined below. The thermocouple data were reduced using the one-dimensional, thin-wall equation:

$$\dot{q} = WCb\frac{dT_w}{dt} = h\left(H_{aw} - H_w\right) \equiv hH_t\left(\frac{H_{aw}}{H_t} - \frac{H_w}{H_t}\right) \tag{1}$$

which neglects heat-conduction losses.

Assuming that W and h are constant and

$$C = C_o + C_1T_w + C_2T_w^2 \text{ for } T_w \text{ ranges} \tag{2}$$

the integration of equation (1) for $t = t_i$ to t and $T_w = T_{wi}$ to T_w yields the linear equation:

$$f(T_w) = -\ell n\left(\frac{T'_{aw} - T_w}{T'_{aw} - T_{wi}}\right) - \left[\frac{C_1}{C'_{aw}} + \frac{C_2}{C'_{aw}}\left(T'_{aw} + \frac{T_w + T_{wi}}{2}\right)\right]\left(T_w - T_{wi}\right)$$

$$= \frac{hc_p}{WC'_{aw}\,b}\left(t - t_i\right) \tag{3}$$

where it is defined that:

$$T'_{aw} \equiv \frac{H_{aw}}{c_p} \equiv \frac{H_{aw}}{H_t}\,\frac{H_t}{c_p} \geq (T_{aw})_{PG} \tag{4}$$

$$C'_{aw} \equiv C_o + C_1\,T'_{aw} + C_2\,T'^{2}_{aw} \tag{5}$$

$\neq$ specific heat at adiabatic wall temperature

The form of Eq. (3) is $f(T_w) = mt + a$ where m is the slope and a is the intercept for a straight line if heat-conduction errors are negligible. Thus, deviations from a straight line can indicate heat-conduction effects.

* Data Reduction section provided by William K. Lockman, NASA Ames Research Center.

The slope, m, of $f(T_w)$ vs t from Eq. (3) is computed by a least-squares, straight-line fit over a finite time interval (approximately one second) beginning when the model reaches uniform tunnel flow. The value of the heat-transfer coefficient, h, is then determined from:

$$h = \frac{WC'_{aw}\, b}{c_p}\, m \tag{6}$$

Using this value of h, the heat-transfer rate is evaluated at the initial time, t_i, when the model is isothermal at the initial wall enthalpy, H_{w_i}

$$\dot{q} = \dot{q}_i = h\,(H_{aw} - H_{w_i}) \equiv hH_t \left(\frac{H_{aw}}{H_t} - \frac{H_{wi}}{H_t}\right) \tag{7}$$

where H_{aw}/H_t is the same value used to evaluate h. The resultant value of $\dot{q}$ is independent of the value of H_{aw}/H_t used for both the h and $\dot{q}$ evaluations.

The reference sphere heating is also evaluated at the initial wall enthalpy by the method of Fay and Riddel:

$$\dot{q}_s = h_s\,(H_t - H_{w_i}) \equiv h_s\, H_t \left(1.0 - \frac{H_{w_i}}{H_t}\right) \tag{8}$$

The model-to-sphere ratio of heat-transfer coefficients is then determined from Eqs. (7) and (8) as

$$\frac{h}{h_s} = \frac{\dot{q}_i}{\dot{q}_s}\left[\frac{1.0 - H_{w_i}/H_t}{H_{aw}/H_t - H_{w_i}/H_t}\right] \tag{9}$$

where $\dot{q}_i$ is constant for all values of H_{aw}/H_t. To determine h/h_s for various values of H_{aw}/H_t, the particular value of H_{aw}/H_t is substituted

into Eq. (9).

The Stanton number is defined as

$$St \equiv \frac{h}{\rho u} = \frac{\dot{q}_i}{\rho u(H_{aw} - H_{w_i})} \tag{10}$$

where for freestream conditions, $\rho u = \rho_\infty V_\infty$.

The calculations of the model heating, reference sphere heating, and Reynolds number included the corrections of NACA report 1135 for calorically imperfect, thermally perfect air. Keyes' equation for viscosity was also used for the sphere heating and Reynolds number computations:

$$\mu = \frac{0.0232 \times 10^{-6}\ T^{0.5}}{1 + \frac{220}{T} \times 10^{-9/T}}$$

where the units for T and μ are ^{o}R and lb-sec/ft., respectively.

Pressure Data

Calculate CPN/CPMAX

$$CP_n = \frac{P_n - P_\infty}{q_\infty}$$

$$CP_{MAX} = \frac{P_{STAG} - P_\infty}{q_\infty}$$

where:

$$P_{T_2} = P_{STAG} = \left(P_{T_\infty}\right) \frac{\left[\dfrac{\frac{\gamma + 1}{2} M_\infty^2}{1 + \frac{\gamma - 1}{2} M_\infty^2}\right]^{\frac{\gamma}{\gamma - 1}}}{\left[\frac{2\gamma}{\gamma + 1} M_\infty^2 - \frac{\gamma - 1}{\gamma + 1}\right]^{\frac{+1}{\gamma - 1}}}$$

$$\frac{CP_n}{CP_{MAX}} = \frac{P_n - P_\infty}{P_{STAG} - P_\infty} \quad \text{or:}$$

$$\frac{CP_n}{CP_{MAX}} = \frac{\frac{P_n}{P_\infty} - 1}{\left[\dfrac{\left(\frac{\gamma + 1}{2} M_\infty^2\right)^{\frac{\gamma}{\gamma - 1}}}{\left(\frac{2\gamma}{\gamma + 1} M_\infty^2 - \frac{\gamma - 1}{\gamma + 1}\right)^{\frac{+1}{\gamma - 1}}}\right] - 1}$$

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1. Fay, J. A., and Riddell, F. R., "Theory of Stagnation Point Heat Transfer in Dissociated Air," J. Aeron. Sci., Vol. 25, No. 1, February, 1958, pp 73-85.

2. Ames Research Staff, "Equations, Tables, and Charts for Compressible Flow," NACA Report 1135, 1953.

3. Bertram, Mitchel H., "Comment on 'Viscosity of Air'," J. Spacecraft and Rockets, Vol. 4, No. 2, February, 1967, pp 287-288.

4. IL No. SAS-AA&T-75-285, "Model Requirements for Wind Tunnel Test OH58, Elevon-Stub-Elevon Heating," dated November 4, 1975.

5. SL No. SAS/WTO/75-353, "Model Requirements for Wind Tunnel Test OH58, Elevon-Stub-Elevon Heating," dated November 14, 1975.

6. IL No. SAS/WTO/76-054, "Model 93-0 Design Requirements for Test OH58 (Task 77)," dated January 28, 1976.

7. IL No. SAS/WTO/76-031, "Report of the Test OH58 Conference at NASA/ARC," dated March 4, 1976.

8. SL No. SAS/WTO/76-054 Addendum #1, dated April 26, 1976.

9. SL No. SAS/WTO/76-054 Addendum #2, dated April 30, 1976.

10. IL No. SAS-AA&T-77-066, "Revision of Model Requirements for Test OH58," dated March 22, 1977.

11. IL No. SAS/WTO/77-066, "Revised Model Requirements for Model 93-0 (Task 77)," dated May 16, 1977.

12. SL No. SAS/WTO/77-066 Addendum #1.

13. SL No. SAS/WTO/77-066 Addendum #2, dated June 30, 1977.

14. SL No. SAS/WTO/77-066 Addendum #3, dated August 23, 1977.

15. SD78-SH-0040, "Information for Elevon/Elevon and Elevon/Fuselage Heating Distribution Tests of Model 93-0 in the Ames Research Center 3.5-Foot Hypersonic Wind Tunnel Test OH58," dated February 2, 1978.

16. IL No. SAS/WTO/78-078, "Results of Test OH58 at NASA/Ames Research Center," dated May 30, 1978.

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17. SS-H01713, "Tunnel Installation #93-0, .10 Scale SSV Elevon/Stub/Elevon Blockage Model."

18. SS-H01714, "Model Assy. - .10 Scale Elevon/Stub/Elevon Tunnel Blockage 93-0."

19. SS-H01890, "Model Assy. & Details, .04 Scale SSV 393-0," Sheet 1 of 2.

TABLE I.

TEST : OH58

DATE : 2/2/78

TEST CONDITIONS

MACH NUMBER	REYNOLDS NUMBER (per foot)	DYNAMIC PRESSURE (pounds/sq. inch)	STAGNATION TEMPERATURE (degrees Rankine)
7.3	0.5×10^6	1.338	1540
7.3	0.75×10^6	2.006	1540
7.3	1.0×10^6	2.676	1540
7.3	1.5×10^6	4.013	1540
7.3	3.0×10^6	8.027	1540

BALANCE UTILIZED: NONE

	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:
NF			
SF			
AF			
PM			
RM			
YM			

COMMENTS:

TABLE IIa.

TEST: ΦH58

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE:

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES M	L	δe	RN/L	CONSTANT SET	NO. OF RUNS	RUN NUMBERS			
R2X☆01	ELEVΦN/ELEVΦN-TC	30	0	7.3	7.8	0	0.5	103	1	1			
02						5				6			
03						-10				11			
04						0	0.75			2			
05						5				9			
06						-10				12			
07						0	1.0			4			
08						5				10			
09						-10				13			
10		40	0	7.3	6.0	0	0.5	102		17			
11						5				20			
12						-10				14			
13						-10	0.75			15			
14						0	1.0			18			
15						5				21			
16						-10				16			
17						0	3.0			19			

TEST RUN NUMBERS

1	7	13	19	25	31	37	43	49	55	61	67	75 76
H/HREF										MACH	HAW/HT	01
										IDVAR (1)	IDVAR (2)	NDV

COEFFICIENTS

α OR β SCHEDULES: See page 25 for THERMOCOUPLE SCHEDULE

☆ A D/S 01→31
B D/S 01→31
C D/S 18→31
} HEATING DATA

TABLE IIa. (Continued)

TEST: ΦH58

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE:

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	M	L	δe	RN/L	CONSTANT SET	NO. OF RUNS	RUN NUMBERS
R2XA 18	FUSELAGE/ELEVON -TC	30	0	7.3	14.4	0	0.5	107	1	31
19						10				30
20						-10				33
21						0	0.75			32
22						10				28
23						-10				34
24						0				24
25						10				26
26						0	1.0			25
27						10				29
28						-10				35
29						0	1.5			23
30						10				27
31						-10				36

TEST RUN NUMBERS

1	7	13	19	25	31	37	43	49	55	61	67	75 76
H/HREF										MACH	H.AW/H.T	0.1
										IDVAR (1)	IDVAR (2)	NDV

α OR β SCHEDULES

COEFFICIENTS: See page 25 for THERMIO COUPLE SCHEDULE

TABLE IIa. (Continued)

TEST: ΦH58

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE:

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	M	L	δe	RN/L	CONSTANT SET	NO. OF RUNS	RUN NUMBERS
R2X#32	ELEVON/ELEVON-PRESS	30	0	7.3	7.8	0	0.5	106	1	46
33						5				49
34						-10				54
35						0	0.75			47
36						5				50
37						-10				53
38						0	1.0			48
39						5				51
40		40	0	7.3	6.0	-10				52
41						0	0.5	105		38
42						5				41
43						-10				43
44						-10	0.75			44
45						0	1.0			39
46						5				42
47						-10				45
48						0	3.0			40

TEST RUN NUMBERS

1	7	13	19	25	31	37	43	49	55	61	67	75 76
CP										MACH	ALPHA	01

COEFFICIENTS — IDVAR (1): MACH — IDVAR (2): ALPHA — NDV: 01

α OR β SCHEDULES: See page 25 for PRESSURE TAP SCHEDULE

D D/S 32→760
E D/S 32→760
F D/S 49→760
} PRESSURE DATA

TABLE IIa. (Continued)

TEST: ΦH58

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE:

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	M	L	δe	RN/L	CONSTANT SET	NO. OF RUNS	RUN NUMBERS
R2X#49	FUSELAGE/ELEVATOR-PRESS	30	0	7.3	14.4	0	0.5	110	1	73
50						10				64
51						-10				69
52						0	0.75			72
53						10				62
54						-10				68
55						0	1.0			71
56						10				61
57						-10				67
58						0	1.5			70
59						10				63
60						-10				66

TEST RUN NUMBERS

1	7	13	19	25	31	37	43	49	55	61	67	75 76
C.R.										MACH	ALPHA	01
										IDVAR (1)	IDVAR (2)	NDV

α OR β SCHEDULES

COEFFICIENTS

See page 25 for PRESSURE TAP SCHEDULE

DMS 002

TABLE IIa (Continued)

OH58 THERMOCOUPLE AND PRESSURE TAP SCHEDULE

R2XA01 → 31 DATASETS -

THERMOCOUPLES — 1 → 12, 14 → 19, 21 → 25, 27 → 32
TABLE IV FOR LOCATION

R2XB01 → 31 DATASETS -

THERMOCOUPLES — 75 → 88
TABLE VI FOR LOCATION

R2XC18 → 31 DATASETS -

THERMOCOUPLES — 39 → 43, 45 → 49, 51 → 55, 57 → 74
TABLE V FOR LOCATION

R2XD32 → 60 DATASETS -

PRESSURE TAPS — 101 → 126
TABLE VII FOR LOCATION

R2XE32 → 60 DATASETS -

PRESSURE TAPS — 168 → 179
TABLE IX FOR LOCATION

R2XF49 → 60 DATASETS -

PRESSURE TAPS — 132 → 136, 138 → 142, 144 → 148, 150 → 167
TABLE VIII FOR LOCATION

TABLE IIa. (Concluded)

TEST: OH58

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE:

DATA SET IDENTIFIER	CONFIGURATION	PARAMETERS VARIED						REYNOLDS NUMBER/FOOT X 10^6							TEST RUN NUMBERS
		α	β	MACH	LENGTH (IN.)	δ_e DEG.	CONSTANT SET	0.5	0.75	1.0	1.5	3.0			
	Elevon/Elevon - TC	30	0	7.3	7.8	0	103	1	2	4					
	↓	↓	↓	↓	↓	5	↓	6	9	10					
	↓	↓	↓	↓	↓	-10	↓	11	12	13					
	↓	40	↓	↓	6.0	-10	102	14	15	16					
	↓	↓	↓	↓	↓	0	↓	17		18		19			
	↓	↓	↓	↓	↓	5	↓	20		21					
	Fuselage/Elevon-TC	30	↓	↓	14.4	0	107	31	24/32	25	23				
	↓	↓	↓	↓	↓	10	↓	30	26/28	29	27				
	↓	↓	↓	↓	↓	-10	↓	33	34	35	36				
	Elevon/Elevon-Press.	40	↓	↓	6.0	0	105	38		39		40			
	↓	↓	↓	↓	↓	5	↓	41		42					
	↓	↓	↓	↓	↓	-10	↓	43	44	45					
	↓	30	↓	↓	7.8	0	106	46	47	48					
	↓	↓	↓	↓	↓	5	↓	49	50	51					
	↓	↓	↓	↓	↓	-10	↓	54	53	52					
	Fuselage/Elevon-Pres	30	↓	↓	14.4	0	110	73	72	71	70				
	↓	↓	↓	↓	↓	10	↓	64	62	61	63				
	↓	↓	↓	↓	↓	-10	↓	69	68	67	66				

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

COEFFICIENTS IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

NASA-MSFC-MAF

TABLE IIb.

TEST : OH58

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE :

RUN NO..	CONFIGURATION	LENGTH INCHES	δ_e DEGREES	α DEGREES	CONSTANT SET	M_∞	Re_∞/FT X 10^5	P_t PSIA	T_t °R	TEST RUN NUMBERS
1	EE/T	7.8	0	30	103	7.3	0.5	194	1540	
2			0				0.75	291		
4			0				1.0	388		
6			5				0.5	194		
9			5				0.75	291		
10			5				1.0	388		
11			-10				0.5	194		
12			-10				0.75	291		
13		7.8	-10	30	103		1.0	388		
14		6.0	-10	40	102		0.5	194		
15			-10				0.75	291		
16			-10				1.0	388		
17			0				0.5	194		
18			0				1.0	388		
19			0				3.0	1164		
20			5				0.5	194		
21	EE/T	6.0	5	40	102		1.0	388		
23	FE/T	14.4	0	30	107	7.3	1.5	582	1540	

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

COEFFICIENTS IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

TABLE IIb. (Continued)

TEST : OH58

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE :

RUN NO.	CONFIGURATION	LENGTH INCHES	δ_e DEGREES	α DEGREES	CONSTANT SET	M_∞	Re_∞/FT X 10^6	P_t PSIA	P_t °R
24	FE/T	14.4	0	30	107	7.3	0.75	291	1540
25			0				1.00	388	
26			10				0.75	291	
27			10				1.5	582	
28			10				0.75	291	
29			10				1.0	388	
30			10				0.5	194	
31			0				0.5	194	
32			0				0.75	291	
33			-10				0.5	194	
34			-10				0.75	291	
35			-10				1.0	388	
36	FE/T	14.4	-10	30	107		1.5	582	
38	EE/P	6.0	0	40	105		0.5	194	
39			0				1.0	388	
40			0				3.0	1164	
41			5				0.5	194	
42	EE/P	6.0	5	40	105	7.3	1.0	388	1540

TEST RUN NUMBERS

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

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

NASA-MSFC-MAF

TABLE IIb. (Continued)

TEST: OH58

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE:

RUN NO.	CONFIGURATION	LENGTH INCHES	δ_e DEGREES	α DEGREES	CONSTANT SET	M_∞	Re_∞ /FT X 10^6	P_t PSIA	T_t °R	
43	EE/P	6.0	-10	40	105	7.3	0.5	194	1540	
44		6.0	-10	40	105		0.75	291		
45		6.0	-10	40	105		1.0	388		
46		7.8	0	30	106		0.5	194		
47			0				0.75	291		
48			0				1.0	388		
49			5				0.5	194		
50			5				0.75	291		
51			5				1.0	388		
52			-10				1.0	388		
53			-10				0.75	291		
54	EE/P	7.8	-10		106		0.5	194		
61	FE/P	14.4	10		110		1.0	388		
62			10				0.75	291		
63			10				1.5	582		
64			10				0.5	194		
66			-10				1.5	582		
67	FE/P	14.4	-10	30	110	7.3	1.0	388	1540	

TEST RUN NUMBERS

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

COEFFICIENTS IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

NASA-MSFC-MAF

TABLE IIb. (Concluded)

TEST : OH58

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE :

RUN NO.	CONFIGURATION	LENGTH INCHES	δ_e DEGREES	α DEGREES	CONSTANT SET	M_∞	R_{e_∞} /FT X 10^6	P_t PSIA	T_t °R	
68	FE/P	14.4	-10	30	110	7.3	0.75	291	1540	
69			-10				0.5	194		
70			0				1.5	582		
71			0				1.0	388		
72			0				0.75	291		
73	FE/P	14.4	0	30	110	7.3	0.5	194	1540	

TEST RUN NUMBERS

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

COEFFICIENTS IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

NASA-MSFC-MAF

TABLE III. MODEL DIMENSIONAL DATA

MODEL COMPONENT: ELEVON/ELEVON

GENERAL DESCRIPTION: .04 scale replica of the orbiter elevons in the region of the elevon stub.

MODEL SCALE: .04

DRAWING NUMBER: SS-H01890
Contour per Downey Mylar 14414.1

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length (Aft of hingeline)		2.859
Thickness (At hingeline)		0.777
Stub Gap		0.200
Gap Angle (Degrees)		7

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FUSELAGE/ELEVON

GENERAL DESCRIPTION: .03-scale replica of the orbiter fuselage elevon intersection.

MODEL SCALE: .03

DRAWING NUMBER: SS-H01890

DIMENSIONS:	FULL SCALE	MODEL SCALE
Fuselage:		
Length - Forward of hingeline		1.500
Aft of hingeline		2.859
Height: (Above elevon upper surface at hingeline		1.398
Gap		0.143
Elevon		
Length - Aft of hingeline		2.859
Thickness - At hingeline		0.777
Gap Angle (Degrees)		16

TABLE III. MODEL DIMENSIONAL DATA (Concluded)

MODEL COMPONENT: FLAT PLATE

GENERAL DESCRIPTION: A leading edge block and three spacers.

MODEL SCALE: None

DRAWING NUMBER: SS-H01890

DIMENSIONS:	FULL SCALE	MODEL SCALE
Width		11.000
Leading Edge Angle (Degrees)		23
Thickness (Max.)		1.000
Length (From leading edge to hingeline)		
L.E. Block		3.600
L.E. Block + Spacer - 4		6.000
L.E. Block + Spacer - 5		7.800
L.E. Block + Spacer - 6		14.400

TABLE IV. ELEVON AND STUB THERMOCOUPLES

T/C NO.	SKIN THICKNESS	X (1)	Y (2)	Z (3)
1	0.023	2.675	-0.014	0.280
2	0.023	2.284	-0.020	0.270
3	0.023	1.438	-0.050	0.406
4	0.0235	1.438	-0.015	0.126
5	0.023	1.241	-0.036	0.284
6	0.023	1.055	-0.060	0.461
7	0.0235	1.055	-0.015	0.097
8	0.023	0.862	-0.040	0.288
9	0.0235	0.668	-0.070	0.513
10	0.0238	0.668	-0.015	0.066
11	0.021	0.041	-0.087	0.556
12*	0.020	-0.345	0	0.740
13	NOT	USED		
14*	0.020	0.060	0	0.415
15	0.026	2.675	-0.125	0.169
16	0.025	2.284	-0.125	0.109
17	0.022	1.438	-0.125	0.001
18 *on stub	0.0215	1.055	-0.125	-0.028

(1) Distance aft of elevon hingeline.

(2) Distance from stub centerline, positive to the right.

(3) Distance from elevon hingeline, positive above.

TABLE IV. ELEVON AND STUB THERMOCOUPLES (Concluded)

T/C NO.	SKIN THICKNESS	X (1)	Y (2)	Z (3)
19	0.018	0.668	-0.125	-0.059
20	NOT	USED		
21	0.028	2.675	-0.375	0.169
22	0.0265	2.284	-0.375	0.109
23	0.023	1.438	-0.375	0.001
24	0.027	1.055	-0.375	-0.028
25	0.0195	0.668	-0.375	-0.059
26	NOT	USED		
27	0.022	2.675	-0.182	0.391
28	0.022	2.284	-0.196	0.431
29	0.0215	1.438	-0.213	0.531
30	0.024	1.055	-0.222	0.586
31	0.0265	0.668	-0.244	0.638
32	0.020	0.041	-0.125	0.681
33 → 38	NOT	USED		

(1) Distance aft of elevon hingeline.

(2) Distance from stub centerline, positive to the right.

(3) Distance from elevon hingeline, positive above.

TABLE V. FUSELAGE SIMULATION THERMOCOUPLES

T/C NO.	SKIN THICKNESS	X (1)	R (2)
39	.0206	2.699	0.125
40	.0206	2.293	0.125
41	.0205	1.437	0.125
42	.0205	1.064	0.125
43	.0206	0.690	0.125
44	NOT	USED	
45	.0205	2.699	0.375
46	.0206	2.293	0.375
47	.0205	1.437	0.375
48	.0205	1.064	0.375
49	.0205	0.690	0.375
50	NOT	USED	
51	.0205	2.699	0.625
52	.0206	2.293	0.625
53	.0205	1.437	0.625
54	.0205	1.064	0.625
55	.0205	0.690	0.625
56	NOT	USED	
57	.0205	2.699	0.875

(1) Distance aft of elevon hingeline.
(2) Distance above elevon lower loft line.

TABLE V. FUSELAGE SIMULATION THERMOCOUPLES (Concluded)

T/C NO.	SKIN THICKNESS	X (1)	R (2)
58	.0205	2.293	0.875
59	.0205	1.437	0.875
60	.0205	1.064	0.875
61	.0205	0.690	0.875
62	.0205	0	0.875
63	.0205	2.699	1.125
64	.0205	2.293	1.125
65	.0204	1.437	1.125
66	.0204	1.064	1.125
67	.0205	0.690	1.125
68	.0206	0	1.125
69	.0204	2.699	1.375
70	.0204	2.293	1.375
71	.0204	1.437	1.375
72	.0204	1.064	1.375
73	.0205	0.690	1.375
74	.0205	0	1.375

(1) Distance aft of elevon hingeline.
(2) Distance above elevon lower loft line.

TABLE VI. FLAT PLATE LOWER SURFACE THERMOCOUPLES

T/C NO.	SKIN THICKNESS	X (1)				Y (2)
		L=3.6 (3)	L=6.0 (3)	L=7.8 (3)	L=14.4 (3)	
75	.032	0.9	0.9	0.9	0.9	0
76	.032	1.5	1.5	1.5	1.5	0
77	.032	1.875	1.875	1.875	1.875	0
78	.029	--	3.0	3.0	3.0	0
79	.033	--	--	3.9	--	0
80	.033	--	--	5.85	--	0
81	.033	--	--	--	3.6	0
82	.033	--	--	--	7.2	0
83	.033	--	--	--	10.8	0
84	.028	2.1	4.5	6.3	12.9	0
85	.028	2.7	5.1	6.9	13.5	0
86	.029	3.35	5.75	7.55	14.15	-0.25
87	.028	3.35	5.75	7.55	14.15	0
88	.027	3.35	5.75	7.55	14.15	+0.25

(1) Distance aft of leading edge.

(2) Distance from plate centerline - positive to the right.

(3) Distance elevon hingeline is aft of leading edge.

TABLE VII. ELEVON PRESSURES

PRESSURE NO.	X (1)	Y (2)	Z (3)	PRESSURE NO.	X (1)	Y (2)	Z (3)
101	2.705	-0.013	0.280	115	0.050	-0.089	0.292
102	2.295	-0.023	0.316	116	2.627	-0.147	0.426
103	2.295	-0.010	0.205	117	2.217	-0.162	0.464
104	1.437	-0.044	0.410	118	1.437	-0.192	0.563
105	1.437	-0.026	0.263	119	1.063	-0.218	0.618
106	1.437	-0.010	0.119	120	0.690	-0.205	0.673
107	1.063	-0.058	0.444	121	0.050	-0.169	0.672
108	1.063	-0.033	0.270	122	2.627	-0.128	0.132
109	1.063	-0.013	0.102	123	2.217	-0.128	0.075
110	0.690	-0.068	0.528	124	1.437	-0.133	-0.022
111	0.690	-0.050	0.373	125	1.063	-0.128	-0.053
112	0.690	-0.033	0.227	126	0.690	-0.128	-0.079
113	0.690	-0.013	0.068	127 - 131	NOT	USED	
114	0.050	-0.089	0.541				

(1) Distance aft of elevon hingeline.

(2) Distance from stub centerline - positive to the right.

(3) Distance from elevon hingeline - positive above.

TABLE VIII. FUSELAGE SIMULATION PRESSURES

PRESSURE NO.	X (1)	R (2)	PRESSURE NO.	X (1)	R (2)
132	2.699	0.125	150	2.699	0.875
133	2.293	0.125	151	2.293	0.875
134	1.437	0.125	152	1.437	0.875
135	1.064	0.125	153	1.064	0.875
136	0.690	0.125	154	0.690	0.875
137	NOT	USED	155	0	0.875
138	2.699	0.375	156	2.699	1.125
139	2.293	0.375	157	2.293	1.125
140	1.437	0.375	158	1.437	1.125
141	1.064	0.375	159	1.064	1.125
142	0.690	0.375	160	0.690	1.125
143	NOT	USED	161	0	1.125
144	2.699	0.625	162	2.699	1.375
145	2.293	0.625	163	2.293	1.375
146	1.437	0.625	164	1.437	1.375
147	1.064	0.625	165	1.064	1.375
148	0.690	0.925	166	0.690	1.375
149	NOT	USED	167	0	1.375

(1) Distance aft of elevon hingeline.

(2) Distance above elevon lower loft line.

TABLE IX. FLAT PLATE LOWER SURFACE PRESSURES

PRESSURE NO.	X (1)				Y (2)
	(3) L=3.6	(3) L=6.0	(3) L=7.8	(3) L=14.4	
168	0.9	0.9	0.9	0.9	0.25
169	1.5	1.5	1.5	1.5	0.25
170	1.875	1.875	1.875	1.875	0.25
171	--	3.0	3.0	3.0	0.25
172	--	--	3.9	--	0.25
173	--	--	5.85	--	0.25
174	--	--	--	3.6	0
175	--	--	--	7.2	0
176	--	--	--	10.8	0
177	2.1	4.5	6.3	12.9	0.25
178	2.7	5.1	6.9	13.5	0.25
179	3.1	5.5	7.3	13.9	0

(1) Distance aft of leading edge.

(2) Distance from plate centerline - positive to the right.

(3) Distance elevon hingeline is aft of leading edge.

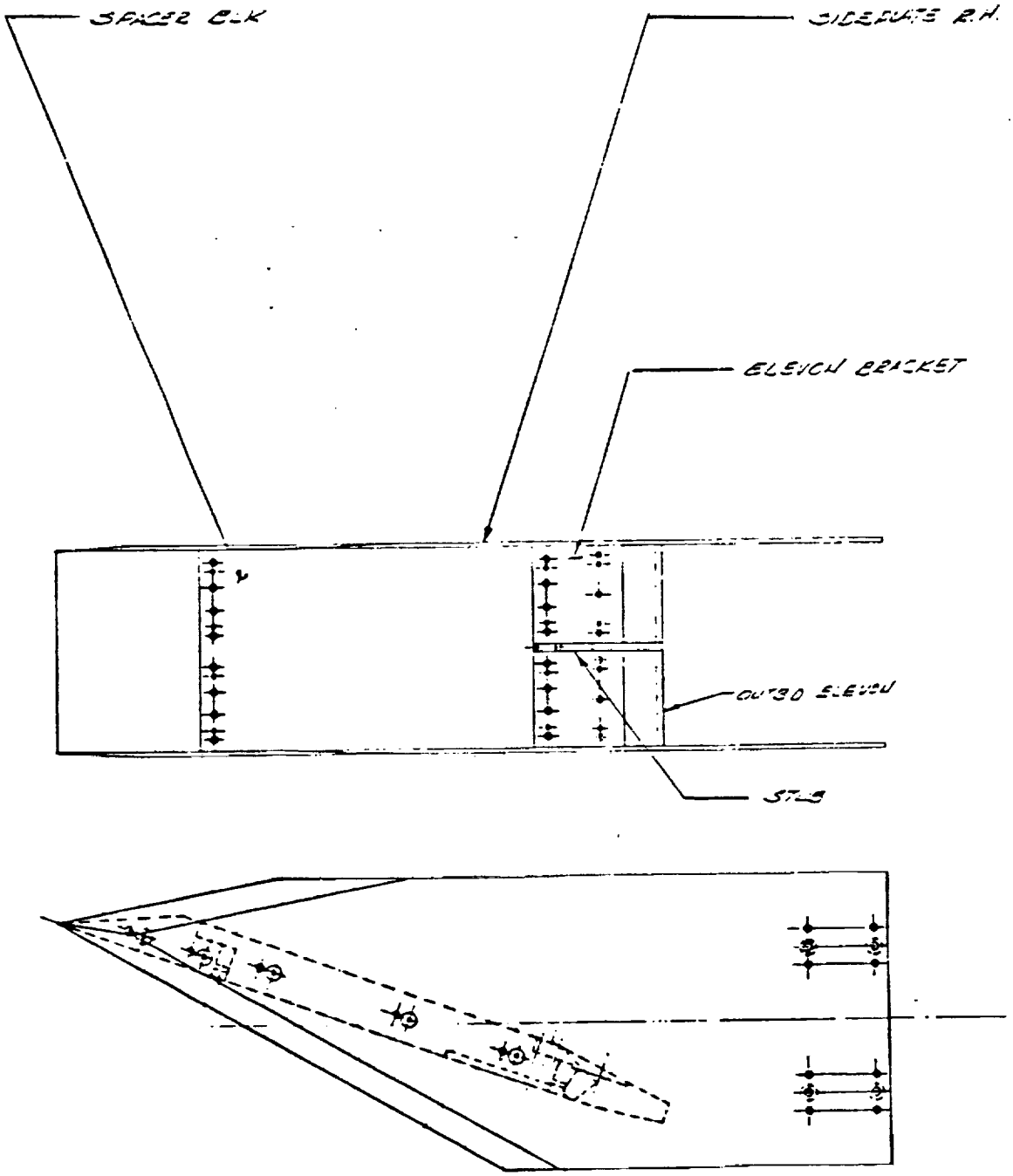
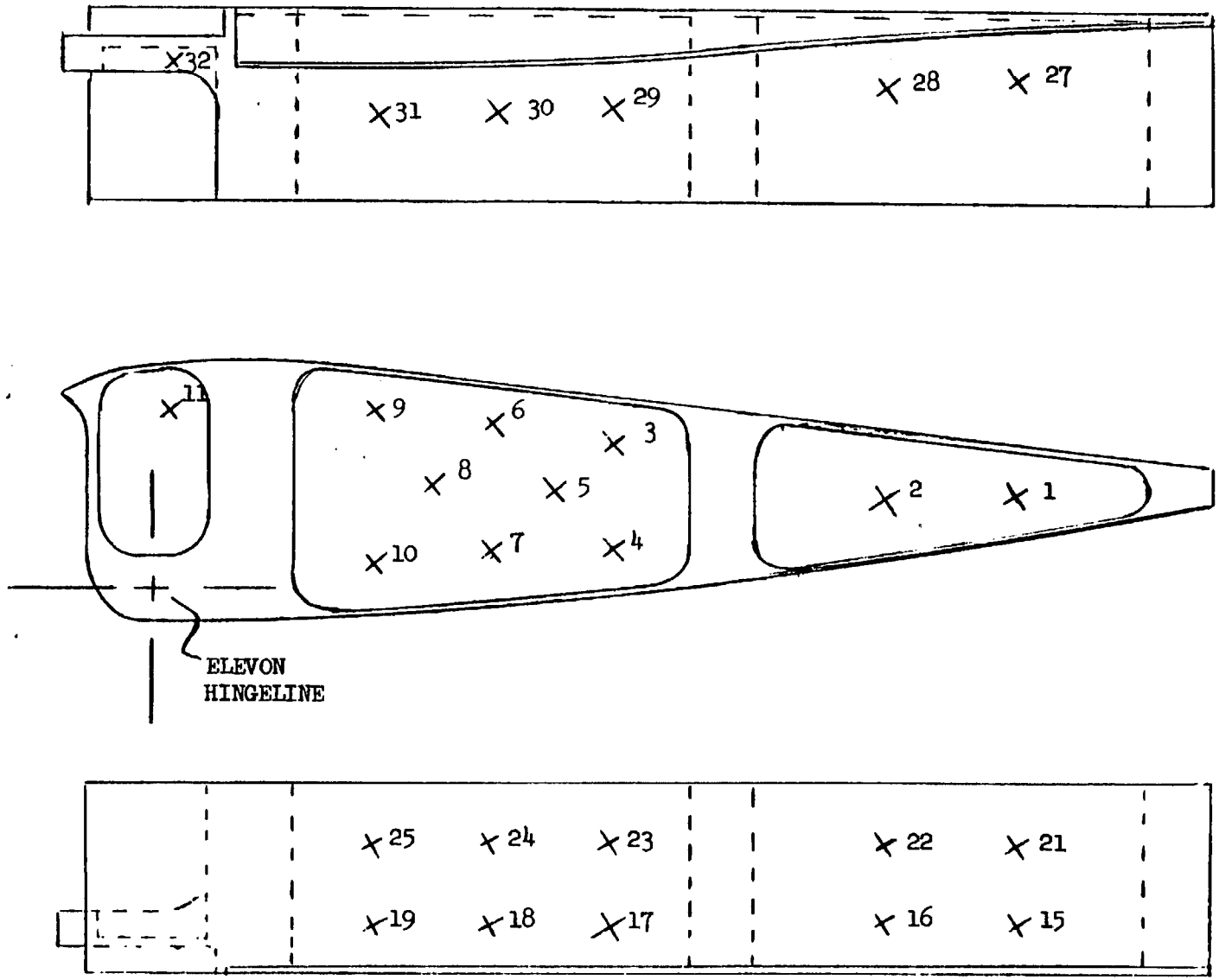
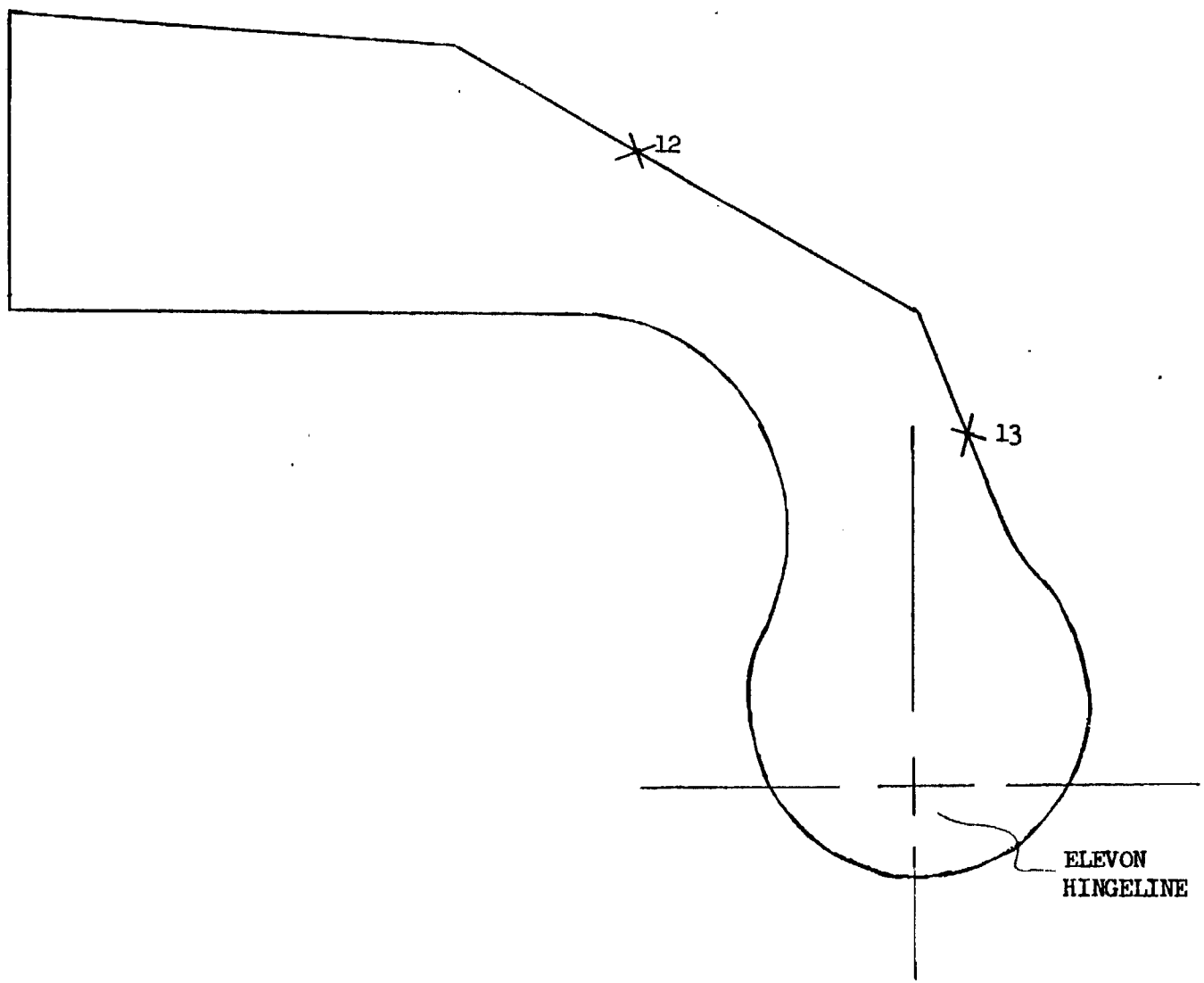


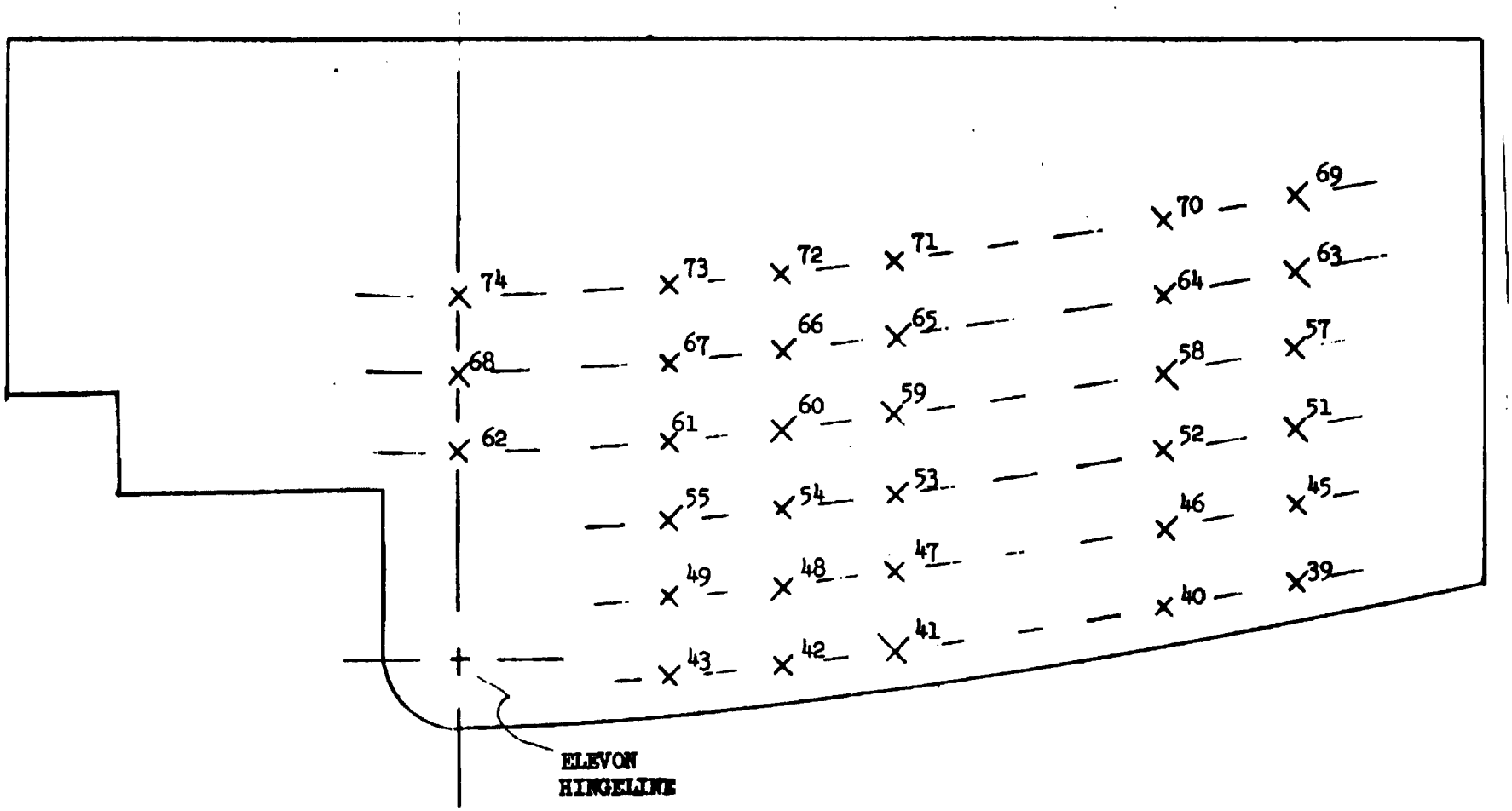
Figure 1. General model configuration.



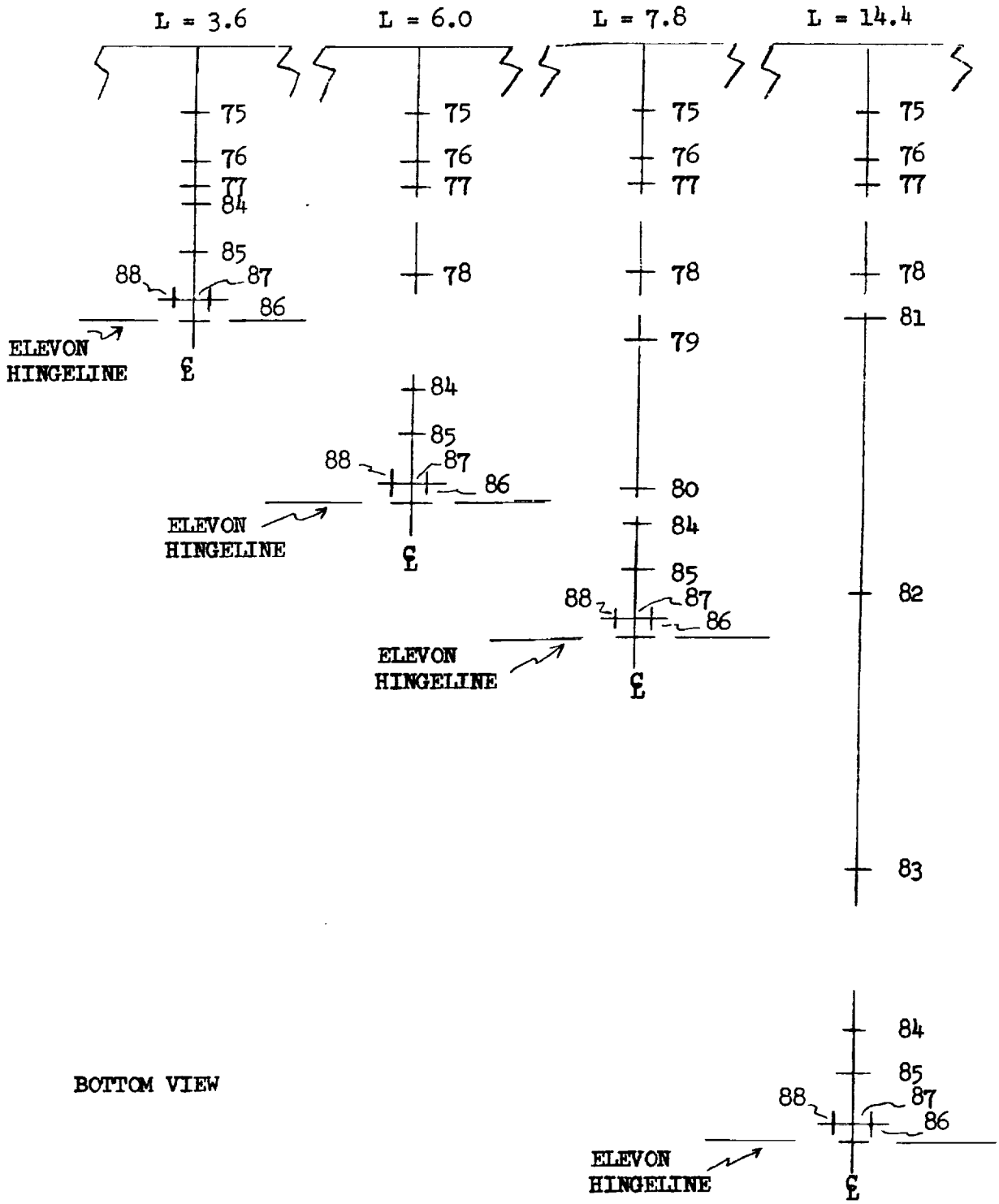
a. Elevon Thermocouples
Figure 2. Model sketches.



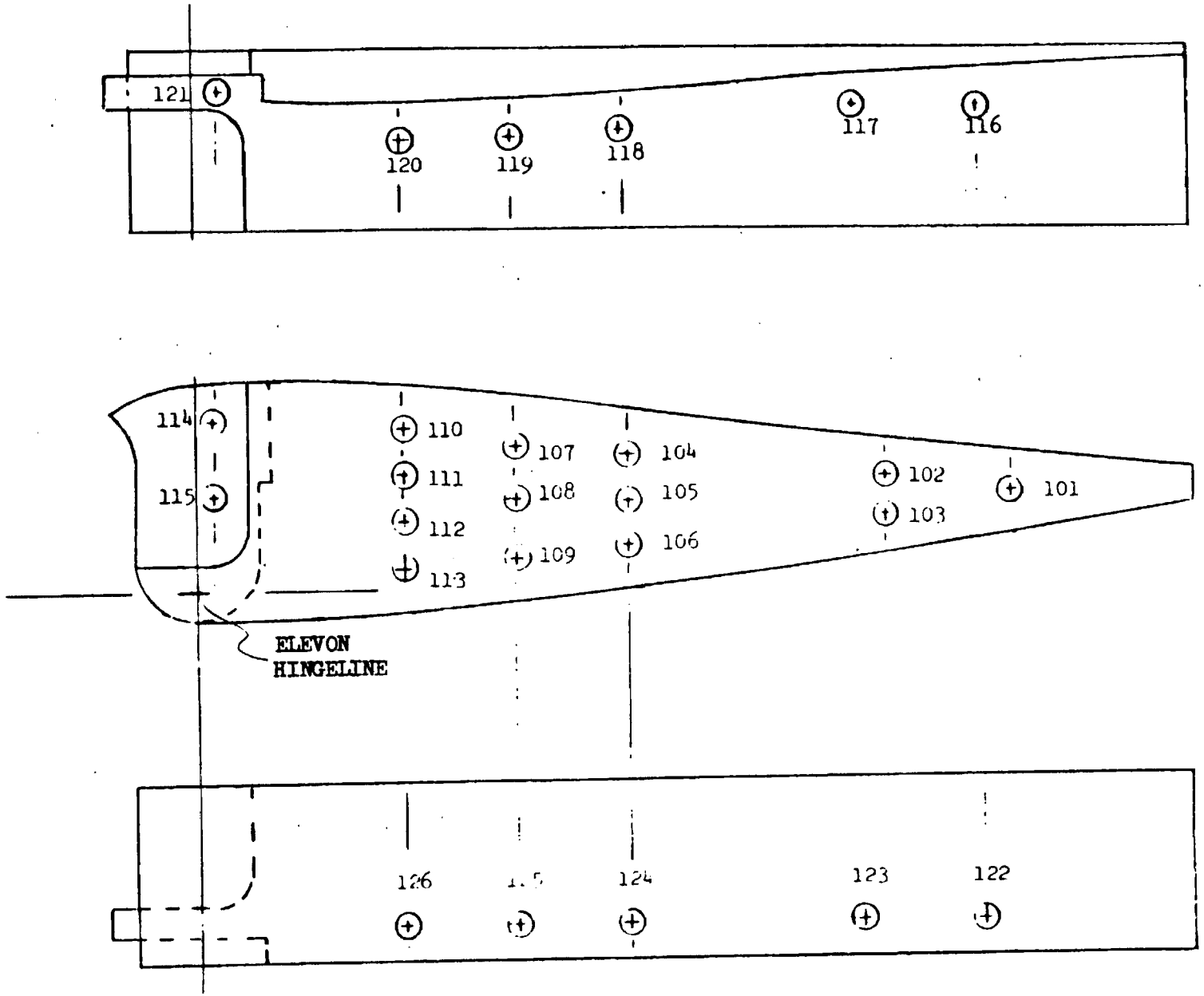
b. Stub Thermocouples
Figure 2. Continued.



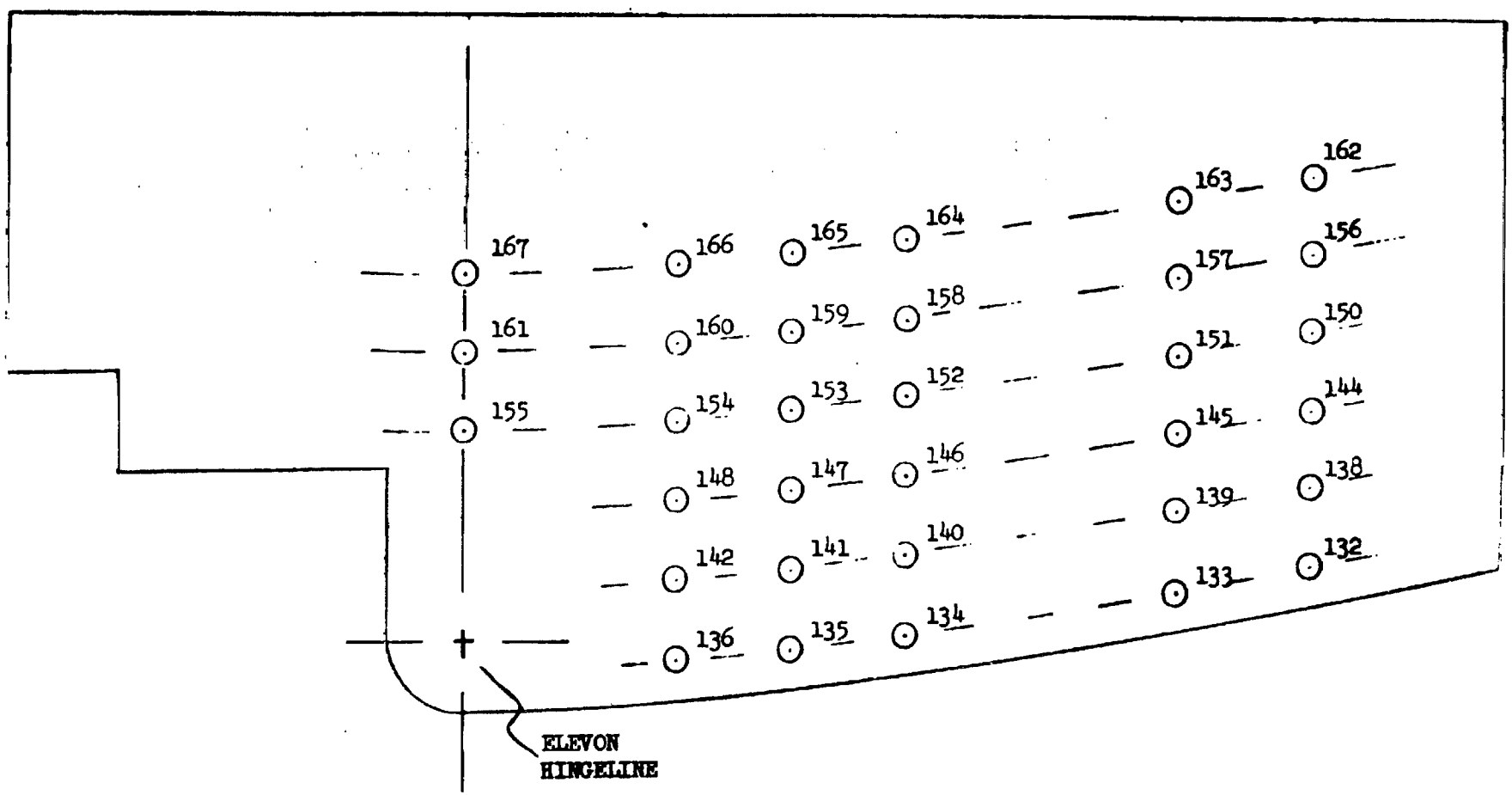
c. Fuselage Simulation Thermocouples
Figure 2. Continued.



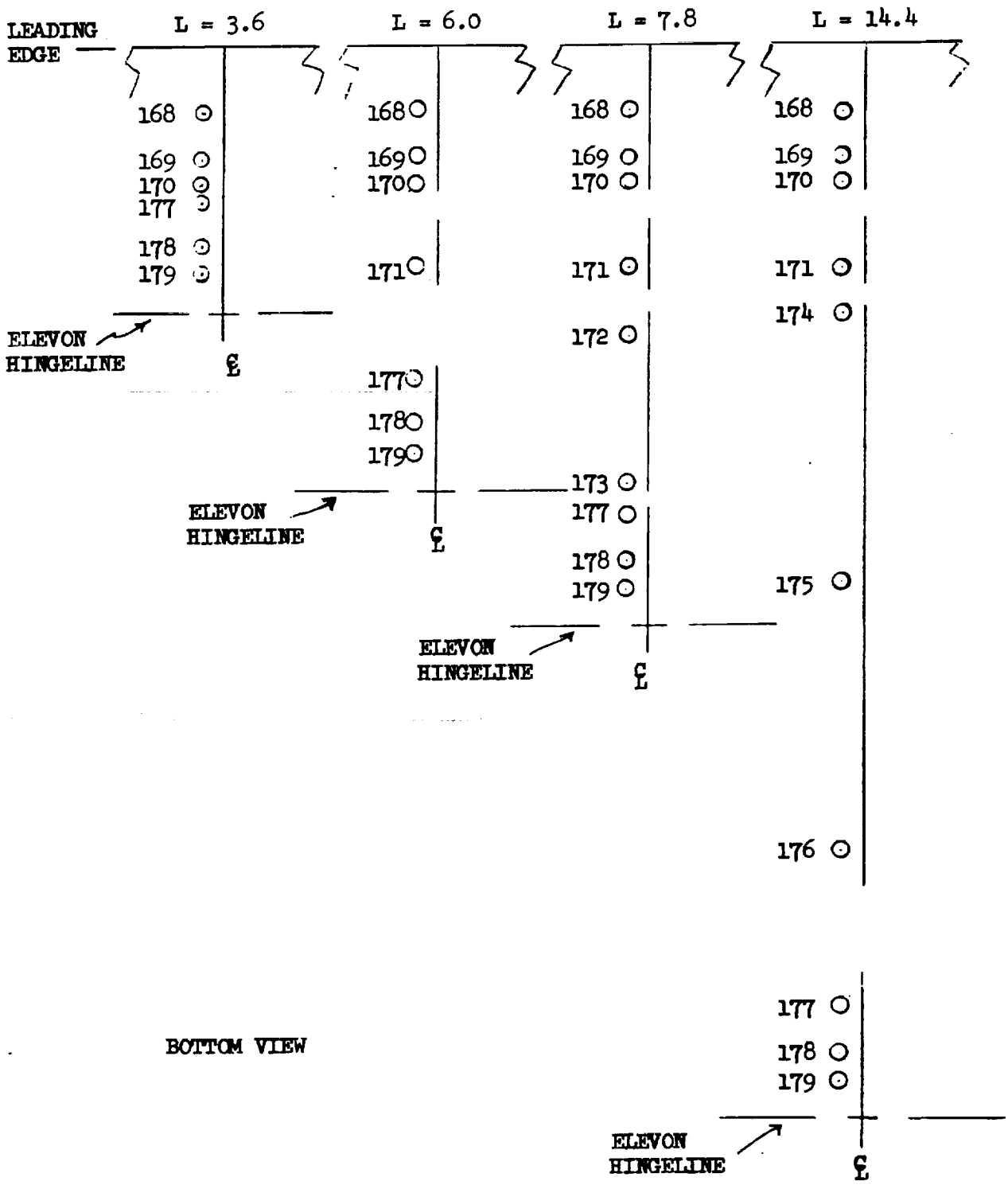
d. Flat Plate Lower Surface Thermocouples
Figure 2. Continued.



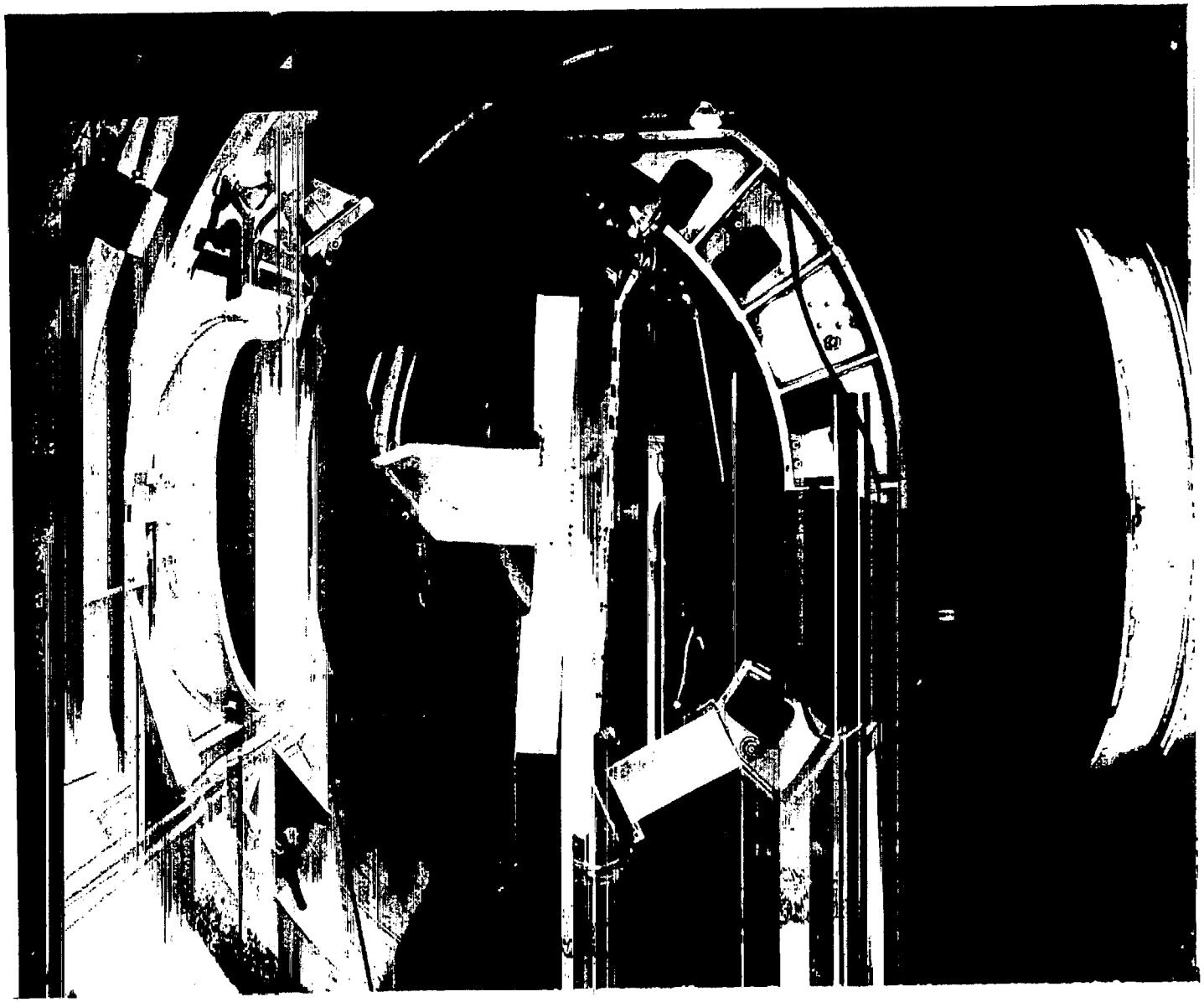
e. Elevon Pressures
Figure 2. Continued.



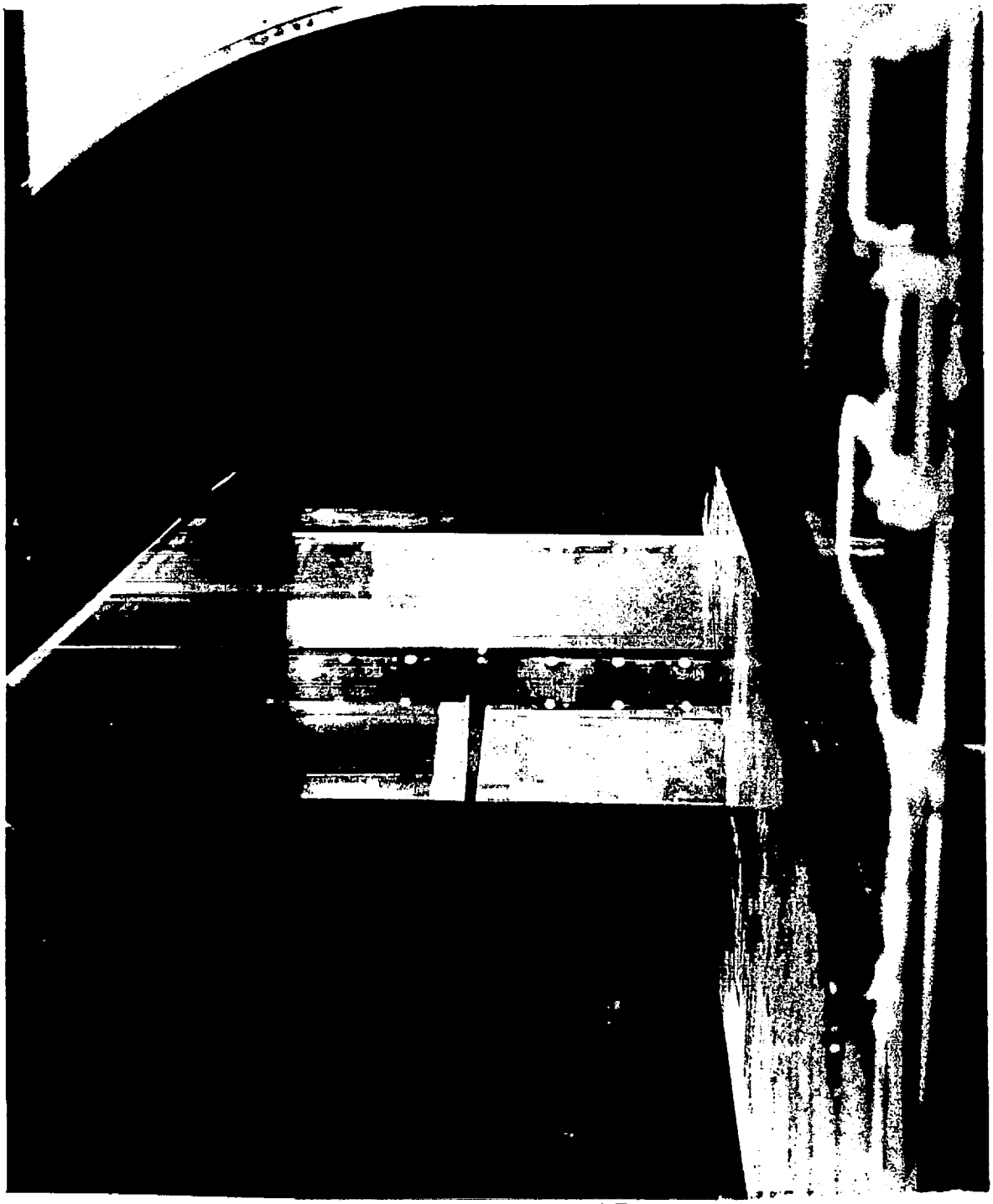
f. Fuselage Simulation Pressures
Figure 2. Continued.



g. Flat Plate Lower Surface Pressures
Figure 2. Concluded.



a. Side-View of Model Installed in Test Section
Figure 3. Model photographs.



b. View Looking Forward of Elevon/Elevon Gap Configuration (EE)
Figure 3. Continued.

c. View Looking Forward of Elevon/Fuselage Interface Configuration (EF)
Figure 3. Concluded.

APPENDIX

TABULATED SOURCE DATA

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA01)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = .0000 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
1	30.00	.0000	7.300	.5360+06	189.8	1901.	477.1	.3297-01	170.6	.1622-04	4673.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
1	.0000	.7593-01

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
1	1.0000	1.0000	.13110	.1522	.1655	26.16	3.430	.2776	552.0	.4735-02
1	1.0000	2.0000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1	1.0000	3.0000	.49976-01	.5799-01	.6304-01	26.21	1.310	.2764	549.6	.1805-02
1	1.0000	4.0000	.10560	.1225	.1332	26.20	2.767	.2765	549.9	.3814-02
1	1.0000	5.0000	.62910-01	.7300-01	.7937-01	26.20	1.648	.2766	550.0	.2272-02
1	1.0000	6.0000	.25209-01	.2925-01	.3180-01	26.20	.6604	.2766	549.9	.9104-03
1	1.0000	7.0000	.94192-01	.1093	.1188	26.19	2.467	.2767	550.3	.3402-02
1	1.0000	8.0000	.40309-01	.4677-01	.5085-01	26.20	1.056	.2765	549.7	.1456-02
1	1.0000	9.0000	.12723-01	.1476-01	.1605-01	26.22	.3336	.2760	548.9	.4594-03
1	1.0000	10.000	.74825-01	.8682-01	.9439-01	26.21	1.961	.2763	549.4	.2702-02
1	1.0000	11.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1	1.0000	12.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1	1.0000	14.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1	1.0000	15.000	.97211-01	.1128	.1227	26.19	2.546	.2768	550.5	.3511-02
1	1.0000	16.000	.92840-01	.1077	.1171	26.20	2.433	.2764	549.7	.3353-02
1	1.0000	17.000	.10064	.1168	.1270	26.21	2.638	.2762	549.2	.3634-02
1	1.0000	18.000	.91187-01	.1058	.1150	26.21	2.390	.2763	549.5	.3293-02
1	1.0000	19.000	.93869-01	.1089	.1184	26.23	2.462	.2758	548.4	.3389-02
1	1.0000	21.000	.58502-01	.6789-01	.7381-01	26.20	1.532	.2767	550.1	.2113-02
1	1.0000	22.000	.65674-01	.7620-01	.8285-01	26.21	1.721	.2763	549.5	.2372-02
1	1.0000	23.000	.78884-01	.9153-01	.9951-01	26.21	2.067	.2763	549.5	.2849-02

(R2XA01)

OH58 ELEVON/ELEVON-HEATING ELEVON

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
1	1.0000	24.000	.92158-01	.1069	.1162	26.22	2.416	.2760	548.9	.3328-02
1	1.0000	25.000	.79108-01	.9178-01	.9977-01	26.24	2.075	.2756	548.0	.2856-02
1	1.0000	27.000	.42647-02	.4949-02	.5380-02	26.21	.1118	.2763	549.5	.1540-03
1	1.0000	28.000	.27895-02	.3236-02	.3518-02	26.22	.7315-01	.2759	548.6	.1007-03
1	1.0000	29.000	.17888-02	.2075-02	.2256-02	26.24	.4694-01	.2755	547.9	.6459-04
1	1.0000	30.000	.18721-02	.2172-02	.2361-02	26.24	.4912-01	.2756	547.9	.6759-04
1	1.0000	31.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1	1.0000	32.000	.24697-03	.2864-03	.3113-03	26.26	.6484-02	.2749	546.6	.8913-05

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA02)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = 5.000 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
6	30.00	.0000	7.300	.4781+06	193.4	2047.	517.4	.3311-01	185.0	.1502-04	4866.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
6	.0000	.7663-01

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
6	1.0000	1.0000	.17718	.2045	.2215	29.69	5.261	.2510	541.3	.6661-02
6	1.0000	2.0000	.14665	.1692	.1833	29.71	4.358	.2505	540.2	.5513-02
6	1.0000	3.0000	.67691-01	.7810-01	.8461-01	29.74	2.013	.2499	538.9	.2545-02
6	1.0000	4.0000	.13850	.1598	.1731	29.73	4.118	.2501	539.3	.5206-02
6	1.0000	5.0000	.85748-01	.9894-01	.1072	29.73	2.549	.2501	539.3	.3223-02
6	1.0000	6.0000	.34481-01	.3979-01	.4310-01	29.74	1.025	.2500	539.1	.1296-02
6	1.0000	7.0000	.12847	.1482	.1606	29.73	3.819	.2502	539.5	.4830-02
6	1.0000	8.0000	.53995-01	.6230-01	.6749-01	29.74	1.606	.2499	538.9	.2030-02
6	1.0000	9.0000	.15695-01	.1811-01	.1962-01	29.75	.4670	.2496	538.1	.5900-03
6	1.0000	10.000	.97691-01	.1127	.1221	29.74	2.905	.2499	538.9	.3672-02
6	1.0000	11.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
6	1.0000	12.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
6	1.0000	14.000	.18406-03	.2123-03	.2300-03	29.77	.5480-02	.2491	537.1	.6918-05
6	1.0000	15.000	.12941	.1493	.1618	29.71	3.845	.2506	540.4	.4865-02
6	1.0000	16.000	.12265	.1415	.1533	29.73	3.646	.2502	539.5	.4611-02
6	1.0000	17.000	.13004	.1500	.1625	29.73	3.866	.2500	539.2	.4888-02
6	1.0000	18.000	.11974	.1382	.1497	29.73	3.560	.2502	539.4	.4501-02
6	1.0000	19.000	.12018	.1387	.1502	29.75	3.575	.2497	538.4	.4518-02
6	1.0000	21.000	.76832-01	.8866-01	.9605-01	29.72	2.283	.2505	540.1	.2888-02
6	1.0000	22.000	.84939-01	.9801-01	.1062	29.73	2.525	.2502	539.5	.3193-02
6	1.0000	23.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA02)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
6	1.0000	24.000	.11656	.1345	.1457	29.74	3.467	.2499	538.9	.4382-02
6	1.0000	25.000	.97712-01	.1127	.1221	29.76	2.908	.2495	538.0	.3673-02
6	1.0000	27.000	.63699-02	.7350-02	.7962-02	29.73	.1894	.2500	539.1	.2395-03
6	1.0000	28.000	.38105-02	.4396-02	.4763-02	29.75	.1134	.2496	538.3	.1432-03
6	1.0000	29.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
6	1.0000	30.000	.20160-02	.2326-02	.2519-02	29.76	.5999-01	.2495	537.9	.7578-04
6	1.0000	31.000	.14024-02	.1618-02	.1753-02	29.77	.4175-01	.2492	537.3	.5271-04
6	1.0000	32.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA03)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = -10.00 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
11	30.00	.0000	7.300	.5490+06	203.0	1947.	489.8	.3510-01	175.1	.1682-04	4734.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
11	.0000	.7852-01

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
11	1.0000	1.0000	.53230-01	.6168-01	.6700-01	28.06	1.493	.2701	551.3	.1889-02
11	1.0000	2.0000	.52667-01	.6102-01	.6628-01	28.07	1.479	.2696	550.4	.1869-02
11	1.0000	3.0000	.26015-01	.3014-01	.3273-01	28.10	.7310	.2691	549.2	.9231-03
11	1.0000	4.0000	.51586-01	.5976-01	.6491-01	28.10	1.449	.2691	549.3	.1831-02
11	1.0000	5.0000	.31017-01	.3593-01	.3903-01	28.10	.8715	.2691	549.3	.1101-02
11	1.0000	6.0000	.13925-01	.1613-01	.1752-01	28.10	.3913	.2690	549.1	.4941-03
11	1.0000	7.0000	.44296-01	.5132-01	.5573-01	28.10	1.245	.2691	549.3	.1572-02
11	1.0000	8.0000	.21881-01	.2535-01	.2753-01	28.10	.6149	.2689	548.9	.7765-03
11	1.0000	9.0000	.72435-02	.8391-02	.9113-02	28.11	.2036	.2688	548.7	.2570-03
11	1.0000	10.000	.39630-01	.4591-01	.4986-01	28.11	1.114	.2688	548.7	.1406-02
11	1.0000	11.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
11	1.0000	12.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
11	1.0000	14.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
11	1.0000	15.000	.45023-01	.5217-01	.5666-01	28.06	1.263	.2699	551.0	.1598-02
11	1.0000	16.000	.45215-01	.5239-01	.5690-01	28.08	1.270	.2695	550.2	.1605-02
11	1.0000	17.000	.54955-01	.6367-01	.6915-01	28.09	1.544	.2692	549.6	.1950-02
11	1.0000	18.000	.50972-01	.5905-01	.6414-01	28.09	1.432	.2693	549.7	.1809-02
11	1.0000	19.000	.52830-01	.6120-01	.6647-01	28.11	1.485	.2688	548.7	.1875-02
11	1.0000	21.000	.30447-01	.3526-01	.3832-01	28.06	.8545	.2699	550.9	.1081-02
11	1.0000	22.000	.35385-01	.4100-01	.4453-01	28.08	.9936	.2695	550.2	.1256-02
11	1.0000	23.000	.43507-01	.5040-01	.5474-01	28.10	1.222	.2691	549.2	.1544-02

OH58 ELEVON/ELEVON-HEATING ELEVON

(R2XA03)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
11	1.0000	24.000	.50341-01	.5832-01	.6334-01	28.10	1.415	.2690	549.1	.1786-02
11	1.0000	25.000	.46724-01	.5412-01	.5878-01	28.11	1.314	.2687	548.4	.1658-02
11	1.0000	27.000	.28843-02	.3342-02	.3630-02	28.08	.8099-01	.2696	550.2	.1024-03
11	1.0000	28.000	.26431-02	.3062-02	.3326-02	28.10	.7426-01	.2691	549.3	.9379-04
11	1.0000	29.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
11	1.0000	30.000	.20088-02	.2327-02	.2527-02	28.11	.5648-01	.2687	548.4	.7128-04
11	1.0000	31.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
11	1.0000	32.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA04)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = .0000 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
2	30.00	.0000	7.300	.8205+06	292.6	1908.	479.1	.5079-01	171.3	.2488-04	4683.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
2	.0000	.9427-01

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
2	1.0000	1.0000	.13596	.1580	.1719	32.40	4.405	.2819	562.9	.3968-02
2	1.0000	2.0000	.11233	.1305	.1419	32.48	3.648	.2804	559.8	.3278-02
2	1.0000	3.0000	.48771-01	.5661-01	.6155-01	32.61	1.590	.2776	554.2	.1423-02
2	1.0000	4.0000	.10599	.1230	.1338	32.59	3.455	.2779	555.0	.3092-02
2	1.0000	5.0000	.64792-01	.7520-01	.8178-01	32.60	2.112	.2778	554.6	.1890-02
2	1.0000	6.0000	.25292-01	.2935-01	.3191-01	32.64	.8254	.2770	553.1	.7377-03
2	1.0000	7.0000	.97350-01	.1130	.1229	32.62	3.175	.2774	554.0	.2840-02
2	1.0000	8.0000	.42064-01	.4881-01	.5307-01	32.66	1.374	.2765	552.0	.1227-02
2	1.0000	9.0000	.13209-01	.1532-01	.1666-01	32.72	.4322	.2752	549.6	.3852-03
2	1.0000	10.000	.78417-01	.9098-01	.9890-01	32.69	2.564	.2759	550.8	.2287-02
2	1.0000	11.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2	1.0000	12.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2	1.0000	14.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2	1.0000	15.000	.97296-01	.1130	.1229	32.48	3.160	.2803	559.7	.2839-02
2	1.0000	16.000	.91438-01	.1062	.1155	32.55	2.976	.2788	556.8	.2668-02
2	1.0000	17.000	.97725-01	.1134	.1233	32.66	3.192	.2765	552.1	.2850-02
2	1.0000	18.000	.91984-01	.1067	.1160	32.70	3.008	.2757	550.5	.2682-02
2	1.0000	19.000	.93371-01	.1083	.1177	32.78	3.061	.2739	546.9	.2722-02
2	1.0000	21.000	.57493-01	.6676-01	.7262-01	32.50	1.869	.2798	558.7	.1678-02
2	1.0000	22.000	.63954-01	.7424-01	.8073-01	32.57	2.083	.2784	555.8	.1866-02
2	1.0000	23.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA04)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
2	1.0000	24.000	.89462-01	.1038	.1128	32.74	2.929	.2748	548.8	.2609-02
2	1.0000	25.000	.76245-01	.8841-01	.9608-01	32.81	2.502	.2733	545.8	.2223-02
2	1.0000	27.000	.47040-02	.5462-02	.5940-02	32.53	.1530	.2793	557.8	.1372-03
2	1.0000	28.000	.33639-02	.3904-02	.4245-02	32.62	.1097	.2773	553.8	.9812-04
2	1.0000	29.000	.19822-02	.2299-02	.2499-02	32.73	.6488-01	.2751	549.2	.5780-04
2	1.0000	30.000	.24606-02	.2854-02	.3101-02	32.78	.8067-01	.2740	547.0	.7174-04
2	1.0000	31.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2	1.0000	32.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA05)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = 5.000 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
9	30.00	.0000	7.300	.7756+06	296.6	1984.	499.9	.5110-01	178.7	.2399-04	4783.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
9	.0000	.9491-01

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
9	1.0000	1.0000	.18923	.2191	.2378	34.80	6.585	.2661	554.5	.5628-02
9	1.0000	2.0000	.15210	.1761	.1911	34.83	5.298	.2654	553.1	.4523-02
9	1.0000	3.0000	.67489-01	.7811-01	.8478-01	34.87	2.354	.2646	551.4	.2007-02
9	1.0000	4.0000	.14238	.1648	.1789	34.85	4.962	.2651	552.4	.4234-02
9	1.0000	5.0000	.89948-01	.1041	.1130	34.85	3.135	.2651	552.4	.2675-02
9	1.0000	6.0000	.35176-01	.4071-01	.4419-01	34.87	1.226	.2648	551.7	.1046-02
9	1.0000	7.0000	.13643	.1579	.1714	34.83	4.752	.2655	553.1	.4057-02
9	1.0000	8.0000	.56268-01	.6513-01	.7069-01	34.86	1.962	.2649	551.8	.1673-02
9	1.0000	9.0000	.15615-01	.1807-01	.1961-01	34.89	.5448	.2643	550.6	.4643-03
9	1.0000	10.000	.10248	.1186	.1288	34.86	3.572	.2650	552.1	.3047-02
9	1.0000	11.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
9	1.0000	12.000	.71264-03	.8246-03	.8950-03	34.92	.2489-01	.2637	549.4	.2119-04
9	1.0000	14.000	.54666-03	.6326-03	.6865-03	34.93	.1909-01	.2636	549.2	.1625-04
9	1.0000	15.000	.13254	.1534	.1665	34.85	4.620	.2650	552.2	.3941-02
9	1.0000	16.000	.12249	.1418	.1539	34.88	4.273	.2645	551.1	.3642-02
9	1.0000	17.000	.12909	.1494	.1622	34.88	4.502	.2646	551.2	.3838-02
9	1.0000	18.000	.12138	.1405	.1525	34.86	4.231	.2649	551.9	.3609-02
9	1.0000	19.000	.12006	.1389	.1508	34.89	4.189	.2643	550.6	.3570-02
9	1.0000	21.000	.78308-01	.9063-01	.9838-01	34.87	2.731	.2647	551.5	.2329-02
9	1.0000	22.000	.84382-01	.9766-01	.1060	34.88	2.944	.2644	551.0	.2509-02
9	1.0000	23.000	.10012	.1159	.1258	34.89	3.493	.2643	550.7	.2977-02

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA05)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
9	1.0000	24.000	.11697	.1354	.1469	34.88	4.080	.2644	551.0	.3478-02
9	1.0000	25.000	.96088-01	.1112	.1207	34.91	3.354	.2639	549.9	.2857-02
9	1.0000	27.000	.83727-02	.9689-02	.1052-01	34.90	.2922	.2641	550.3	.2489-03
9	1.0000	28.000	.53922-02	.6240-02	.6772-02	34.92	.1883	.2636	549.3	.1603-03
9	1.0000	29.000	.14060-02	.1627-02	.1765-02	34.94	.4913-01	.2633	548.6	.4180-04
9	1.0000	30.000	.22844-02	.2643-02	.2869-02	34.93	.7979-01	.2636	549.2	.6792-04
9	1.0000	31.000	.18753-02	.2170-02	.2355-02	34.93	.6551-01	.2634	548.9	.5575-04
9	1.0000	32.000	.28300-03	.3274-03	.3553-03	34.94	.9889-02	.2632	548.4	.8414-05

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA06)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = -10.00 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
12	30.00	.0000	7.300	.7599+06	287.9	1974.	497.1	.4965-01	177.7	.2344-04	4770.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
12	.0000	.9351-01

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
12	1.0000	1.0000	.48688-01	.5638-01	.6121-01	34.06	1.659	.2668	552.7	.1464-02
12	1.0000	2.0000	.50402-01	.5835-01	.6335-01	34.10	1.719	.2660	551.0	.1516-02
12	1.0000	3.0000	.25046-01	.2899-01	.3147-01	34.16	.8555	.2649	548.8	.7532-03
12	1.0000	4.0000	.51585-01	.5971-01	.6482-01	34.14	1.761	.2652	549.5	.1551-02
12	1.0000	5.0000	.31597-01	.3657-01	.3970-01	34.14	1.079	.2653	549.6	.9502-03
12	1.0000	6.0000	.14241-01	.1648-01	.1789-01	34.15	.4864	.2649	548.9	.4283-03
12	1.0000	7.0000	.43728-01	.5062-01	.5495-01	34.13	1.492	.2654	549.9	.1315-02
12	1.0000	8.0000	.22680-01	.2625-01	.2849-01	34.16	.7748	.2648	548.7	.6820-03
12	1.0000	9.0000	.73073-02	.8457-02	.9178-02	34.19	.2498	.2642	547.4	.2197-03
12	1.0000	10.000	.40010-01	.4631-01	.5027-01	34.16	1.367	.2648	548.6	.1203-02
12	1.0000	11.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
12	1.0000	12.000	.43861-03	.5075-03	.5507-03	34.26	.1503-01	.2629	544.6	.1319-04
12	1.0000	14.000	.21933-03	.2538-03	.2754-03	34.25	.7512-02	.2630	544.8	.6594-05
12	1.0000	15.000	.44865-01	.5194-01	.5638-01	34.11	1.531	.2658	550.6	.1349-02
12	1.0000	16.000	.45541-01	.5271-01	.5722-01	34.15	1.555	.2651	549.3	.1370-02
12	1.0000	17.000	.55317-01	.6402-01	.6949-01	34.17	1.890	.2646	548.2	.1663-02
12	1.0000	18.000	.52365-01	.6061-01	.6579-01	34.17	1.789	.2647	548.5	.1575-02
12	1.0000	19.000	.53822-01	.6228-01	.6760-01	34.20	1.841	.2639	546.8	.1618-02
12	1.0000	21.000	.30677-01	.3551-01	.3855-01	34.13	1.047	.2655	550.1	.9226-03
12	1.0000	22.000	.35834-01	.4148-01	.4502-01	34.15	1.224	.2650	548.9	.1078-02
12	1.0000	23.000	.45024-01	.5211-01	.5655-01	34.19	1.539	.2643	547.5	.1354-02

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA06)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
12	1.0000	24.000	.51398-01	.5948-01	.6456-01	34.19	1.757	.2643	547.5	.1545-02
12	1.0000	25.000	.46821-01	.5418-01	.5880-01	34.22	1.602	.2636	546.1	.1408-02
12	1.0000	27.000	.32179-02	.3725-02	.4043-02	34.16	.1099	.2649	548.8	.9677-04
12	1.0000	28.000	.28978-02	.3354-02	.3640-02	34.19	.9909-01	.2641	547.2	.8713-04
12	1.0000	29.000	.17368-02	.2010-02	.2181-02	34.23	.5945-01	.2634	545.7	.5222-04
12	1.0000	30.000	.22620-02	.2617-02	.2840-02	34.23	.7742-01	.2635	545.9	.6801-04
12	1.0000	31.000	.83221-03	.9629-03	.1045-02	34.25	.2850-01	.2630	545.0	.2502-04
12	1.0000	32.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA07)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = .0000 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
4	30.00	.0000	7.300	.9554+06	388.2	2052.	518.8	.6643-01	185.5	.3006-04	4873.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
4	.0000	.1086

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
4	1.0000	1.0000	.13507	.1562	.1695	41.56	5.613	.2613	564.9	.3595-02
4	1.0000	2.0000	.11344	.1311	.1422	41.75	4.737	.2580	557.8	.3018-02
4	1.0000	3.0000	.48338-01	.5586-01	.6056-01	41.81	2.021	.2570	555.6	.1286-02
4	1.0000	4.0000	.10536	.1218	.1320	41.78	4.402	.2576	557.0	.2803-02
4	1.0000	5.0000	.65135-01	.7527-01	.8163-01	41.78	2.721	.2575	556.8	.1733-02
4	1.0000	6.0000	.26227-01	.3031-01	.3286-01	41.81	1.097	.2571	555.8	.6977-03
4	1.0000	7.0000	.10013	.1157	.1255	41.76	4.181	.2579	557.6	.2664-02
4	1.0000	8.0000	.43818-01	.5063-01	.5490-01	41.80	1.832	.2572	556.0	.1166-02
4	1.0000	9.0000	.13020-01	.1504-01	.1631-01	41.85	.5449	.2564	554.4	.3463-03
4	1.0000	10.000	.86160-01	.9957-01	.1080	41.80	3.601	.2573	556.2	.2292-02
4	1.0000	11.000	.13651-02	.1577-02	.1709-02	41.93	.5724-01	.2551	551.6	.3631-04
4	1.0000	12.000	.86155-03	.9953-03	.1079-02	41.90	.3610-01	.2556	552.7	.2291-04
4	1.0000	14.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
4	1.0000	15.000	.99658-01	.1152	.1249	41.78	4.164	.2575	556.8	.2651-02
4	1.0000	16.000	.92459-01	.1068	.1158	41.81	3.866	.2571	555.8	.2460-02
4	1.0000	17.000	.98774-01	.1141	.1238	41.82	4.130	.2570	555.6	.2627-02
4	1.0000	18.000	.92679-01	.1071	.1161	41.80	3.874	.2573	556.3	.2465-02
4	1.0000	19.000	.93532-01	.1081	.1172	41.84	3.913	.2566	554.7	.2488-02
4	1.0000	21.000	.58545-01	.6765-01	.7336-01	41.81	2.448	.2571	555.9	.1557-02
4	1.0000	22.000	.63624-01	.7352-01	.7971-01	41.82	2.661	.2568	555.3	.1692-02
4	1.0000	23.000	.77264-01	.8928-01	.9680-01	41.82	3.231	.2568	555.3	.2055-02

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA07)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
4	1.0000	24.000	.90209-01	.1042	.1130	41.83	3.774	.2567	555.0	.2400-02
4	1.0000	25.000	.74681-01	.8628-01	.9355-01	41.86	3.126	.2562	553.9	.1986-02
4	1.0000	27.000	.55574-02	.6421-02	.6962-02	41.85	.2326	.2564	554.3	.1478-03
4	1.0000	28.000	.38370-02	.4433-02	.4806-02	41.89	.1607	.2558	553.1	.1021-03
4	1.0000	29.000	.20970-02	.2422-02	.2626-02	41.91	.8788-01	.2555	552.3	.5577-04
4	1.0000	30.000	.22924-02	.2648-02	.2871-02	41.89	.9604-01	.2557	552.7	.6097-04
4	1.0000	31.000	.15399-02	.1779-02	.1929-02	41.90	.6453-01	.2555	552.4	.4096-04
4	1.0000	32.000	.89385-03	.1032-02	.1119-02	41.92	.3747-01	.2552	551.9	.2377-04

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA08)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = 5.000 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
10	30.00	.0000	7.300	.9634+06	394.9	2062.	521.5	.6751-01	186.4	.3038-04	4886.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
10	.0000	.1095

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
10	1.0000	1.0000	.21568	.2493	.2705	42.24	9.110	.2595	563.9	.5710-02
10	1.0000	2.0000	.16800	.1942	.2106	42.29	7.104	.2587	562.2	.4447-02
10	1.0000	3.0000	.71822-01	.8300-01	.9000-01	42.36	3.042	.2574	559.5	.1901-02
10	1.0000	4.0000	.16124	.1864	.2021	42.32	6.824	.2581	560.9	.4268-02
10	1.0000	5.0000	.99029-01	.1145	.1241	42.32	4.191	.2580	560.8	.2621-02
10	1.0000	6.0000	.37320-01	.4313-01	.4677-01	42.36	1.581	.2575	559.7	.9878-03
10	1.0000	7.0000	.15725	.1818	.1971	42.30	6.652	.2584	561.7	.4163-02
10	1.0000	8.0000	.61519-01	.7110-01	.7710-01	42.35	2.605	.2576	560.0	.1628-02
10	1.0000	9.0000	.16379-01	.1893-01	.2052-01	42.40	.6945	.2567	558.0	.4335-03
10	1.0000	10.000	.11839	.1368	.1484	42.35	5.013	.2577	560.1	.3134-02
10	1.0000	11.000	.57173-03	.6604-03	.7159-03	42.50	.2430-01	.2552	554.6	.1513-04
10	1.0000	12.000	.13941-02	.1611-02	.1746-02	42.46	.5919-01	.2558	556.0	.3689-04
10	1.0000	14.000	.97736-03	.1129-02	.1224-02	42.47	.4151-01	.2557	555.7	.2586-04
10	1.0000	15.000	.14305	.1653	.1793	42.33	6.055	.2579	560.6	.3786-02
10	1.0000	16.000	.12942	.1496	.1622	42.37	5.484	.2573	559.2	.3426-02
10	1.0000	17.000	.13770	.1591	.1725	42.37	5.835	.2572	559.0	.3645-02
10	1.0000	18.000	.12986	.1501	.1627	42.35	5.500	.2576	559.8	.3437-02
10	1.0000	19.000	.12996	.1502	.1628	42.41	5.511	.2567	557.9	.3440-02
10	1.0000	21.000	.84217-01	.8732-01	.1055	42.36	3.567	.2575	559.6	.2229-02
10	1.0000	22.000	.89215-01	.1031	.1118	42.38	3.781	.2571	558.7	.2361-02
10	1.0000	23.000	.10649	.1230	.1334	42.41	4.517	.2566	557.7	.2818-02

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA08)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
10	1.0000	24.000	.12446	.1438	.1560	42.38	5.275	.2571	558.8	.3294-02
10	1.0000	25.000	.10148	.1172	.1271	42.43	4.306	.2563	557.1	.2686-02
10	1.0000	27.000	.11361-01	.1313-01	.1423-01	42.41	.4818	.2566	557.8	.3007-03
10	1.0000	28.000	.63223-02	.7304-02	.7919-02	42.45	.2684	.2559	556.3	.1673-03
10	1.0000	29.000	.29019-02	.3352-02	.3634-02	42.49	.1233	.2554	555.1	.7679-04
10	1.0000	30.000	.28936-02	.3343-02	.3624-02	42.47	.1229	.2556	555.5	.7657-04
10	1.0000	31.000	.17724-02	.2047-02	.2219-02	42.48	.7530-01	.2554	555.2	.4690-04
10	1.0000	32.000	.47248-03	.5458-03	.5917-03	42.49	.2008-01	.2553	554.9	.1250-04

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA09)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = -10.00 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
13	30.00	.0000	7.300	.1046+07	384.4	1941.	488.1	.6651-01	174.5	.3199-04	4727.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
13	.0000	.1081

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
13	1.0000	1.0000	.46074-01	.5345-01	.5811-01	38.17	1.759	.2757	560.9	.1186-02
13	1.0000	2.0000	.50940-01	.5909-01	.6423-01	38.22	1.947	.2749	559.2	.1312-02
13	1.0000	3.0000	.25185-01	.2921-01	.3174-01	38.29	.9643	.2736	556.6	.6484-03
13	1.0000	4.0000	.54621-01	.6335-01	.6885-01	38.26	2.090	.2741	557.6	.1406-02
13	1.0000	5.0000	.32719-01	.3795-01	.4124-01	38.26	1.252	.2741	557.5	.8424-03
13	1.0000	6.0000	.14466-01	.1678-01	.1823-01	38.29	.5538	.2736	556.7	.3724-03
13	1.0000	7.0000	.46467-01	.5389-01	.5857-01	38.25	1.777	.2742	557.9	.1196-02
13	1.0000	8.0000	.23968-01	.2779-01	.3020-01	38.29	.9178	.2735	556.5	.6170-03
13	1.0000	9.0000	.69190-02	.8022-02	.8717-02	38.33	.2652	.2728	554.9	.1781-03
13	1.0000	10.000	.43247-01	.5015-01	.5450-01	38.30	1.656	.2734	556.2	.1113-02
13	1.0000	11.000	.17464-02	.2023-02	.2197-02	38.60	.6742-01	.2680	545.2	.4493-04
13	1.0000	12.000	.40772-03	.4725-03	.5133-03	38.44	.1567-01	.2708	551.0	.1049-04
13	1.0000	14.000	.74457-03	.8629-03	.9374-03	38.44	.2862-01	.2709	551.0	.1916-04
13	1.0000	15.000	.46118-01	.5349-01	.5814-01	38.23	1.763	.2746	558.6	.1187-02
13	1.0000	16.000	.46521-01	.5395-01	.5863-01	38.27	1.781	.2739	557.1	.1198-02
13	1.0000	17.000	.58066-01	.6733-01	.7317-01	38.31	2.224	.2732	555.8	.1495-02
13	1.0000	18.000	.54549-01	.6325-01	.6874-01	38.31	2.090	.2733	555.9	.1404-02
13	1.0000	19.000	.56805-01	.6586-01	.7155-01	38.36	2.179	.2723	553.9	.1462-02
13	1.0000	21.000	.31522-01	.3656-01	.3973-01	38.25	1.206	.2743	558.0	.8116-03
13	1.0000	22.000	.36847-01	.4273-01	.4644-01	38.29	1.411	.2736	556.6	.9486-03
13	1.0000	23.000	.47147-01	.5466-01	.5940-01	38.33	1.807	.2728	554.9	.1214-02

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA09)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
13	1.0000	24.000	.54183-01	.6282-01	.6826-01	38.34	2.077	.2727	554.7	.1395-02
13	1.0000	25.000	.48856-01	.5663-01	.6153-01	38.38	1.875	.2719	553.2	.1257-02
13	1.0000	27.000	.27560-02	.3196-02	.3473-02	38.29	.1055	.2736	556.6	.7095-04
13	1.0000	28.000	.27637-02	.3204-02	.3482-02	38.34	.1060	.2727	554.8	.7114-04
13	1.0000	29.000	.19645-02	.2277-02	.2474-02	38.39	.7541-01	.2718	553.0	.5056-04
13	1.0000	30.000	.22674-02	.2628-02	.2856-02	38.39	.8704-01	.2718	552.9	.5836-04
13	1.0000	31.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
13	1.0000	32.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA10)

ELEVON

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = .0000 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
17	40.00	.0000	7.300	.5126+06	200.2	2008.	506.5	.3442-01	181.1	.1595-04	4815.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
17	.0000	.7798-01

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
17	1.0000	1.0000	.23460	.2713	.2944	29.16	6.842	.2612	551.3	.8559-02
17	1.0000	2.0000	.19471	.2252	.2442	29.20	5.685	.2604	549.7	.7103-02
17	1.0000	3.0000	.10052	.1162	.1260	29.25	2.940	.2593	547.3	.3666-02
17	1.0000	4.0000	.17716	.2048	.2222	29.23	5.179	.2595	547.9	.6462-02
17	1.0000	5.0000	.11965	.1383	.1500	29.24	3.498	.2595	547.7	.4364-02
17	1.0000	6.0000	.27577-02	.3185-02	.3453-02	29.41	.8111-01	.2553	538.9	.1005-03
17	1.0000	7.0000	.17669	.2043	.2216	29.23	5.165	.2596	547.9	.6445-02
17	1.0000	8.0000	.88073-01	.1018	.1104	29.25	2.576	.2591	546.9	.3212-02
17	1.0000	9.0000	.32726-01	.3783-01	.4103-01	29.27	.9579	.2587	546.1	.1194-02
17	1.0000	10.000	.67391-02	.7787-02	.8443-02	29.35	.1978	.2569	542.2	.2457-03
17	1.0000	11.000	.18355-03	.2121-03	.2300-03	29.31	.5380-02	.2577	544.0	.6693-05
17	1.0000	12.000	.31468-03	.3637-03	.3944-03	29.30	.9221-02	.2579	544.3	.1148-04
17	1.0000	14.000	.16085-02	.1859-02	.2016-02	29.30	.4713-01	.2579	544.4	.5866-04
17	1.0000	15.000	.17802	.2059	.2233	29.18	5.195	.2607	550.4	.6494-02
17	1.0000	16.000	.16158	.1868	.2027	29.21	4.720	.2601	549.1	.5894-02
17	1.0000	17.000	.16516	.1910	.2071	29.23	4.829	.2595	547.8	.6024-02
17	1.0000	18.000	.14446	.1670	.1812	29.23	4.223	.2595	547.9	.5269-02
17	1.0000	19.000	.14532	.1680	.1822	29.26	4.252	.2588	546.4	.5300-02
17	1.0000	21.000	.94128-01	.1086	.1181	29.19	2.748	.2605	549.9	.3434-02
17	1.0000	22.000	.99818-01	.1154	.1252	29.21	2.916	.2600	548.8	.3641-02
17	1.0000	23.000	.15541-02	.1796-02	.1947-02	29.34	.4560-01	.2571	542.6	.5667-04

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA10)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
17	1.0000	24.000	.12198	.1410	.1529	29.25	3.568	.2592	547.1	.4449-02
17	1.0000	25.000	.11895	.1375	.1491	29.27	3.482	.2586	545.9	.4338-02
17	1.0000	27.000	.96962-02	.1121-01	.1216-01	29.22	.2833	.2598	548.4	.3537-03
17	1.0000	28.000	.59292-02	.6854-02	.7434-02	29.25	.1734	.2591	546.9	.2163-03
17	1.0000	29.000	.28328-02	.3274-02	.3551-02	29.28	.8295-01	.2584	545.4	.1033-03
17	1.0000	30.000	.33440-02	.3865-02	.4192-02	29.28	.9792-01	.2584	545.4	.1220-03
17	1.0000	31.000	.32281-02	.3731-02	.4046-02	29.30	.9457-01	.2581	544.7	.1177-03
17	1.0000	32.000	.34962-03	.4041-03	.4382-03	29.31	.1025-01	.2578	544.3	.1275-04

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA11)

ELEVON

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = 5.000 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
20	40.00	.0000	7.300	.5323+06	197.5	1951.	490.9	.3414-01	175.5	.1633-04	4740.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
20	.0000	.7746-01

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
20	1.0000	1.0000	.29100	.3371	.3660	27.81	8.094	.2682	548.8	.1048-01
20	1.0000	2.0000	.25215	.2919	.3168	27.95	7.048	.2648	541.8	.9079-02
20	1.0000	3.0000	.12555	.1453	.1577	27.98	3.513	.2641	540.4	.4520-02
20	1.0000	4.0000	.23336	.2701	.2931	27.97	6.526	.2644	541.0	.8402-02
20	1.0000	5.0000	.15217	.1761	.1912	27.97	4.256	.2644	541.0	.5479-02
20	1.0000	6.0000	.37649-02	.4355-02	.4726-02	28.05	.1056	.2625	537.0	.1355-03
20	1.0000	7.0000	.23124	.2676	.2905	27.96	6.465	.2646	541.4	.8326-02
20	1.0000	8.0000	.11323	.1310	.1422	27.98	3.168	.2642	540.6	.4076-02
20	1.0000	9.0000	.38422-01	.4446-01	.4826-01	27.99	1.075	.2639	539.9	.1383-02
20	1.0000	10.000	.63608-02	.7361-02	.7990-02	27.98	.1780	.2642	540.6	.2290-03
20	1.0000	11.000	.44898-03	.5195-03	.5637-03	28.02	.1258-01	.2631	538.2	.1616-04
20	1.0000	12.000	-.43991-03	-.5090-03	-.5524-03	28.01	-.1232-01	.2634	538.9	-.1584-04
20	1.0000	14.000	.15886-02	.1838-02	.1995-02	28.01	.4450-01	.2633	538.7	.5719-04
20	1.0000	15.000	.23326	.2700	.2931	27.95	6.519	.2649	541.9	.8399-02
20	1.0000	16.000	.21032	.2434	.2642	27.96	5.882	.2645	541.2	.7572-02
20	1.0000	17.000	.21167	.2450	.2659	27.97	5.921	.2644	540.9	.7621-02
20	1.0000	18.000	.18478	.2139	.2321	27.96	5.167	.2646	541.3	.6653-02
20	1.0000	19.000	.17871	.2068	.2245	27.98	5.001	.2641	540.2	.6434-02
20	1.0000	21.000	.12367	.1431	.1554	27.96	3.458	.2647	541.5	.4453-02
20	1.0000	22.000	.12865	.1489	.1616	27.97	3.598	.2644	540.9	.4632-02
20	1.0000	23.000	.13037	.1509	.1638	27.98	3.647	.2642	540.5	.4694-02

OH58 ELEVON/ELEVON-HEATING ELEVON

(R2XA11)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
20	1.0000	24.000	.15367	.1778	.1930	27.97	4.299	.2643	540.7	.5532-02
20	1.0000	25.000	.14265	.1651	.1792	27.99	3.993	.2639	539.8	.5135-02
20	1.0000	27.000	.15098-01	.1747-01	.1896-01	27.99	.4225	.2640	540.1	.5436-03
20	1.0000	28.000	.96562-02	.1117-01	.1213-01	28.00	.2704	.2636	539.2	.3476-03
20	1.0000	29.000	.29031-02	.3359-02	.3645-02	28.01	.8132-01	.2633	538.7	.1045-03
20	1.0000	30.000	.35258-02	.4082-02	.4432-02	27.90	.9837-01	.2661	544.5	.1270-03
20	1.0000	31.000	.41776-02	.4834-02	.5246-02	28.01	.1170	.2633	538.7	.1504-03
20	1.0000	32.000	.53833-03	.6232-03	.6764-03	27.93	.1504-01	.2653	542.9	.1938-04

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA12)

ELEVON

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = -10.00 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
14	40.00	.0000	7.300	.5445+06	203.8	1960.	493.4	.3519-01	176.4	.1674-04	4752.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
14	.0000	.7867-01

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
14	1.0000	1.0000	.12517	.1449	.1572	28.56	3.575	.2642	543.4	.4452-02
14	1.0000	2.0000	.11568	.1339	.1453	28.58	3.307	.2636	542.1	.4114-02
14	1.0000	3.0000	.68151-01	.7884-01	.8556-01	28.62	1.951	.2627	540.2	.2423-02
14	1.0000	4.0000	.11411	.1320	.1433	28.61	3.265	.2629	540.7	.4058-02
14	1.0000	5.0000	.78483-01	.9080-01	.9853-01	28.62	2.246	.2628	540.5	.2791-02
14	1.0000	6.0000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
14	1.0000	7.0000	.10992	.1272	.1380	28.61	3.145	.2629	540.7	.3909-02
14	1.0000	8.0000	.54809-01	.6341-01	.6880-01	28.63	1.569	.2626	539.9	.1949-02
14	1.0000	9.0000	.18816-01	.2177-01	.2362-01	28.64	.5389	.2622	539.2	.6691-03
14	1.0000	10.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
14	1.0000	11.000	.40124-03	.4641-03	.5035-03	28.68	.1151-01	.2613	537.3	.1427-04
14	1.0000	12.000	.93148-03	.1077-02	.1169-02	28.68	.2671-01	.2613	537.4	.3312-04
14	1.0000	14.000	.21499-02	.2487-02	.2698-02	28.68	.6165-01	.2614	537.6	.7644-04
14	1.0000	15.000	.10584	.1225	.1329	28.57	3.024	.2639	542.6	.3764-02
14	1.0000	16.000	.10126	.1172	.1272	28.59	2.895	.2634	541.7	.3601-02
14	1.0000	17.000	.11320	.1310	.1421	28.61	3.239	.2629	540.7	.4025-02
14	1.0000	18.000	.98411-01	.1139	.1236	28.61	2.815	.2630	540.9	.3500-02
14	1.0000	19.000	.10321	.1194	.1296	28.63	2.955	.2624	539.6	.3670-02
14	1.0000	21.000	.61410-01	.7106-01	.7712-01	28.58	1.755	.2637	542.2	.2184-02
14	1.0000	22.000	.68762-01	.7956-01	.8634-01	28.60	1.966	.2633	541.5	.2445-02
14	1.0000	23.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA12)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
14	1.0000	24.000	.94022-01	.1088	.1180	28.62	2.691	.2626	540.1	.3343-02
14	1.0000	25.000	.88192-01	.1020	.1107	28.64	2.526	.2622	539.2	.3136-02
14	1.0000	27.000	.40642-02	.4702-02	.5103-02	28.60	.1162	.2631	541.2	.1445-03
14	1.0000	28.000	.35236-02	.4076-02	.4423-02	28.63	.1009	.2626	540.0	.1253-03
14	1.0000	29.000	.34295-02	.3967-02	.4304-02	28.65	.9825-01	.2620	538.9	.1219-03
14	1.0000	30.000	.31739-02	.3673-02	.3987-02	28.54	.9059-01	.2646	544.2	.1129-03
14	1.0000	31.000	.17409-02	.2014-02	.2185-02	28.67	.4990-01	.2616	538.0	.6190-04
14	1.0000	32.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA13)

ELEVON

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = -10.00 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
15	40.00	.0000	7.300	.7652+06	296.6	1999.	504.1	.5102-01	180.2	.2376-04	4803.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
15	.0000	.9491-01

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
15	1.0000	1.0000	.13937	.1612	.1749	35.31	4.922	.2615	549.3	.4165-02
15	1.0000	2.0000	.12587	.1456	.1579	35.34	4.448	.2610	548.2	.3761-02
15	1.0000	3.0000	.70726-01	.8178-01	.8872-01	35.37	2.502	.2603	546.9	.2113-02
15	1.0000	4.0000	.12305	.1423	.1544	35.35	4.350	.2608	547.8	.3677-02
15	1.0000	5.0000	.84510-01	.9773-01	.1060	35.35	2.988	.2607	547.7	.2525-02
15	1.0000	6.0000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
15	1.0000	7.0000	.12316	.1424	.1545	35.33	4.352	.2611	548.6	.3680-02
15	1.0000	8.0000	.60849-01	.7037-01	.7634-01	35.36	2.152	.2606	547.5	.1818-02
15	1.0000	9.0000	.20857-01	.2412-01	.2616-01	35.39	.7381	.2600	546.3	.6232-03
15	1.0000	10.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
15	1.0000	11.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
15	1.0000	12.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
15	1.0000	14.000	.30273-02	.3500-02	.3796-02	35.43	.1073	.2592	544.5	.9044-04
15	1.0000	15.000	.11451	.1324	.1437	35.36	4.049	.2606	547.5	.3422-02
15	1.0000	16.000	.10891	.1259	.1366	35.37	3.853	.2603	546.9	.3254-02
15	1.0000	17.000	.12119	.1401	.1520	35.37	4.286	.2604	547.1	.3621-02
15	1.0000	18.000	.10547	.1220	.1323	35.35	3.729	.2608	548.0	.3152-02
15	1.0000	19.000	.11314	.1308	.1419	35.38	4.003	.2602	546.7	.3380-02
15	1.0000	21.000	.66034-01	.7636-01	.8283-01	35.37	2.336	.2604	547.0	.1973-02
15	1.0000	22.000	.74256-01	.8586-01	.9314-01	35.38	2.627	.2601	546.5	.2219-02
15	1.0000	23.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA13)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
15	1.0000	24.000	.10058	.1163	.1262	35.37	3.558	.2604	547.0	.3005-02
15	1.0000	25.000	.95954-01	.1109	.1203	35.39	3.396	.2600	546.1	.2867-02
15	1.0000	27.000	.48594-02	.5619-02	.6095-02	35.40	.1720	.2598	545.9	.1452-03
15	1.0000	28.000	.40520-02	.4685-02	.5081-02	35.41	.1435	.2595	545.2	.1211-03
15	1.0000	29.000	.35862-02	.4146-02	.4497-02	35.42	.1270	.2593	544.8	.1071-03
15	1.0000	30.000	.31762-02	.3674-02	.3987-02	35.28	.1120	.2622	550.8	.9492-04
15	1.0000	31.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
15	1.0000	32.000	.77105-03	.8914-03	.9668-03	35.44	.2732-01	.2591	544.2	.2303-04

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA14)

ELEVON

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = .0000 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
18	40.00	.0000	7.300	.9797+06	389.1	2026.	511.6	.6675-01	182.9	.3063-04	4839.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
18	.0000	.1087

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
18	1.0000	1.0000	.27028	.3129	.3396	40.82	11.03	.2651	565.3	.7124-02
18	1.0000	2.0000	.22065	.2553	.2770	40.97	9.040	.2626	559.9	.5814-02
18	1.0000	3.0000	.10195	.1179	.1279	41.05	4.185	.2613	557.1	.2686-02
18	1.0000	4.0000	.19643	.2272	.2465	41.01	8.055	.2620	558.6	.5175-02
18	1.0000	5.0000	.12860	.1488	.1614	41.02	5.275	.2618	558.2	.3388-02
18	1.0000	6.0000	.77459-02	.8947-02	.9698-02	41.42	.3209	.2550	543.6	.2039-03
18	1.0000	7.0000	.20952	.2424	.2630	40.99	8.588	.2623	559.3	.5520-02
18	1.0000	8.0000	.94613-01	.1094	.1187	41.04	3.883	.2614	557.3	.2493-02
18	1.0000	9.0000	.34982-01	.4045-01	.4388-01	41.09	1.437	.2606	555.6	.9215-03
18	1.0000	10.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
18	1.0000	11.000	.26917-03	.3112-03	.3375-03	41.19	.1109-01	.2589	552.1	.7089-05
18	1.0000	12.000	.10340-02	.1195-02	.1297-02	41.17	.4257-01	.2593	552.8	.2723-04
18	1.0000	14.000	.18528-02	.2142-02	.2323-02	41.18	.7630-01	.2591	552.4	.4880-04
18	1.0000	15.000	.18832	.2178	.2364	41.01	7.722	.2620	558.7	.4962-02
18	1.0000	16.000	.16686	.1930	.2094	41.04	6.848	.2615	557.5	.4396-02
18	1.0000	17.000	.16973	.1963	.2130	41.05	6.967	.2613	557.1	.4471-02
18	1.0000	18.000	.15366	.1777	.1928	41.03	6.304	.2616	557.9	.4048-02
18	1.0000	19.000	.14928	.1726	.1873	41.08	6.133	.2607	555.9	.3932-02
18	1.0000	21.000	.98412-01	.1136	.1235	41.03	4.038	.2615	557.6	.2593-02
18	1.0000	22.000	.10205	.1180	.1280	41.06	4.190	.2611	556.8	.2688-02
18	1.0000	23.000	.10713	.1239	.1344	41.06	4.399	.2610	556.6	.2822-02

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA14)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
18	1.0000	24.000	.12860	.1487	.1614	41.06	5.280	.2612	556.8	.3388-02
18	1.0000	25.000	.12030	.1391	.1509	41.11	4.945	.2603	555.0	.3169-02
18	1.0000	27.000	.19346-01	.2237-01	.2427-01	41.09	.7949	.2606	555.7	.5096-03
18	1.0000	28.000	.74870-02	.8657-02	.9390-02	41.13	.3079	.2599	554.2	.1972-03
18	1.0000	29.000	.37805-02	.4371-02	.4741-02	41.16	.1556	.2594	553.2	.9957-04
18	1.0000	30.000	.41909-02	.4845-02	.5256-02	41.15	.1724	.2596	553.6	.1104-03
18	1.0000	31.000	.34748-02	.4017-02	.4357-02	41.17	.1430	.2593	552.9	.9152-04
18	1.0000	32.000	.48794-03	.5641-03	.6118-03	41.18	.2009-01	.2591	552.4	.1285-04

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA15)

ELEVON

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = 5.000 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
21	40.00	.0000	7.300	.1007+07	388.5	1994.	502.8	.6687-01	179.7	.3122-04	4797.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
21	.0000	.1086

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
21	1.0000	1.0000	.34381	.3984	.4327	39.83	13.69	.2700	565.8	.8972-02
21	1.0000	2.0000	.28689	.3322	.3606	40.04	11.49	.2663	558.0	.7483-02
21	1.0000	3.0000	.12745	.1475	.1601	40.13	5.114	.2648	555.0	.3324-02
21	1.0000	4.0000	.26188	.3032	.3291	40.08	10.50	.2656	556.6	.6830-02
21	1.0000	5.0000	.16369	.1895	.2057	40.09	6.563	.2654	556.2	.4269-02
21	1.0000	6.0000	.83450-02	.9644-02	.1046-01	40.53	.3383	.2578	540.3	.2174-03
21	1.0000	7.0000	.27167	.3145	.3414	40.06	10.88	.2660	557.4	.7086-02
21	1.0000	8.0000	.12131	.1404	.1524	40.12	4.867	.2650	555.2	.3164-02
21	1.0000	9.0000	.42113-01	.4874-01	.5289-01	40.17	1.692	.2641	553.3	.1098-02
21	1.0000	10.000	.14912-01	.1724-01	.1870-01	40.44	.6030	.2594	543.6	.3886-03
21	1.0000	11.000	.75549-03	.8740-03	.9484-03	40.27	.3042-01	.2624	549.9	.1970-04
21	1.0000	12.000	-.59264-03	-.6856-03	-.7440-03	40.25	-.2385-01	.2628	550.6	-.1545-04
21	1.0000	14.000	.17527-02	.2028-02	.2200-02	40.26	.7057-01	.2625	550.1	.4570-04
21	1.0000	15.000	.23902	.2767	.3004	40.08	9.580	.2656	556.7	.6234-02
21	1.0000	16.000	.21081	.2440	.2649	40.11	8.456	.2650	555.4	.5498-02
21	1.0000	17.000	.21411	.2478	.2690	40.13	8.591	.2649	555.0	.5583-02
21	1.0000	18.000	.19382	.2244	.2435	40.10	7.772	.2653	555.9	.5055-02
21	1.0000	19.000	.18233	.2110	.2290	40.16	7.323	.2642	553.7	.4755-02
21	1.0000	21.000	.12586	.1457	.1581	40.11	5.048	.2651	555.5	.3282-02
21	1.0000	22.000	.13165	.1524	.1654	40.14	5.284	.2647	554.6	.3433-02
21	1.0000	23.000	.13441	.1555	.1688	40.16	5.398	.2643	553.8	.3505-02

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA15)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
21	1.0000	24.000	.16131	.1867	.2026	40.15	6.476	.2645	554.2	.4206-02
21	1.0000	25.000	.14669	.1697	.1842	40.19	5.895	.2638	552.8	.3825-02
21	1.0000	27.000	.32655-01	.3779-01	.4102-01	40.16	1.312	.2642	553.6	.8515-03
21	1.0000	28.000	.16142-01	.1868-01	.2027-01	40.21	.6490	.2634	552.0	.4209-03
21	1.0000	29.000	.44623-02	.5163-02	.5602-02	40.24	.1796	.2629	550.8	.1163-03
21	1.0000	30.000	.53675-02	.6213-02	.6745-02	40.08	.2151	.2656	556.5	.1400-03
21	1.0000	31.000	.39272-02	.4543-02	.4930-02	40.25	.1581	.2628	550.6	.1024-03
21	1.0000	32.000	.64440-03	.7458-03	.8095-03	40.14	.2586-01	.2646	554.5	.1680-04

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA16)

ELEVON

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = -10.00 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
16	40.00	.0000	7.300	.9443+06	394.1	2083.	527.3	.6724-01	188.5	.2993-04	4913.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
16	.0000	.1094

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
16	1.0000	1.0000	.14284	.1651	.1790	42.76	6.108	.2576	566.2	.3812-02
16	1.0000	2.0000	.12708	.1468	.1592	42.82	5.442	.2567	564.0	.3391-02
16	1.0000	3.0000	.69372-01	.8013-01	.8686-01	42.93	2.978	.2550	560.3	.1851-02
16	1.0000	4.0000	.12103	.1398	.1516	42.89	5.190	.2556	561.8	.3229-02
16	1.0000	5.0000	.85018-01	.9821-01	.1065	42.90	3.647	.2555	561.4	.2268-02
16	1.0000	6.0000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
16	1.0000	7.0000	.12603	.1456	.1578	42.87	5.403	.2559	562.3	.3362-02
16	1.0000	8.0000	.61799-01	.7138-01	.7738-01	42.93	2.653	.2549	560.2	.1649-02
16	1.0000	9.0000	.21850-01	.2523-01	.2735-01	42.99	.9392	.2540	558.2	.5828-03
16	1.0000	10.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
16	1.0000	11.000	.11112-02	.1283-02	.1390-02	43.10	.4789-01	.2522	554.2	.2964-04
16	1.0000	12.000	.14931-02	.1724-02	.1868-02	43.09	.6433-01	.2524	554.6	.3982-04
16	1.0000	14.000	.40931-02	.4725-02	.5120-02	43.09	.1764	.2524	554.6	.1092-03
16	1.0000	15.000	.11351	.1311	.1422	42.85	4.864	.2562	563.0	.3029-02
16	1.0000	16.000	.10799	.1247	.1352	42.89	4.632	.2555	561.4	.2881-02
16	1.0000	17.000	.11898	.1374	.1490	42.93	5.107	.2549	560.2	.3174-02
16	1.0000	18.000	.10525	.1216	.1318	42.92	4.517	.2551	560.7	.2808-02
16	1.0000	19.000	.11165	.1289	.1398	42.98	4.799	.2541	558.4	.2978-02
16	1.0000	21.000	.65102-01	.7521-01	.8153-01	42.88	2.792	.2557	561.9	.1737-02
16	1.0000	22.000	.72143-01	.8333-01	.9034-01	42.91	3.096	.2552	560.7	.1925-02
16	1.0000	23.000	.20108-02	.2319-02	.2512-02	43.37	.8720-01	.2478	544.6	.5360-04

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA16)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
16	1.0000	24.000	.97751-01	.1129	.1224	42.95	4.198	.2546	559.6	.2608-02
16	1.0000	25.000	.91817-01	.1060	.1149	43.01	3.949	.2536	557.4	.2449-02
16	1.0000	27.000	.60518-02	.6990-02	.7577-02	42.94	.2599	.2547	559.8	.1614-03
16	1.0000	28.000	.38891-02	.4491-02	.4868-02	42.99	.1672	.2539	557.9	.1037-03
16	1.0000	29.000	.32376-02	.3738-02	.4051-02	43.04	.1393	.2531	556.2	.8635-04
16	1.0000	30.000	.29456-02	.3403-02	.3689-02	42.89	.1263	.2555	561.5	.7859-04
16	1.0000	31.000	.16957-02	.1958-02	.2121-02	43.07	.7304-01	.2526	555.1	.4523-04
16	1.0000	32.000	.10426-02	.1204-02	.1304-02	43.09	.4493-01	.2523	554.4	.2781-04

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA17)

ELEVON

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = .0000 RN/L = 3.000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
19	40.00	.0000	7.300	.2801+07	1160.	2074.	524.7	.1980	187.6	.8859-04	4901.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
19	.0000	.1876

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
19	1.0000	1.0000	.33837	.3923	.4263	71.44	24.17	.2726	596.2	.5257-02
19	1.0000	2.0000	.27182	.3149	.3420	71.84	19.53	.2687	587.7	.4221-02
19	1.0000	3.0000	.11641	.1347	.1462	72.31	8.418	.2643	578.0	.1807-02
19	1.0000	4.0000	.28760	.3330	.3615	72.08	20.73	.2665	582.7	.4465-02
19	1.0000	5.0000	.15520	.1797	.1951	72.11	11.19	.2661	582.0	.2409-02
19	1.0000	6.0000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
19	1.0000	7.0000	.32535	.3768	.4091	72.00	23.42	.2673	584.4	.5051-02
19	1.0000	8.0000	.10621	.1229	.1334	72.33	7.683	.2641	577.5	.1648-02
19	1.0000	9.0000	.35199-01	.4070-01	.4415-01	72.71	2.559	.2604	569.5	.5460-03
19	1.0000	10.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
19	1.0000	11.000	.92165-02	.1064-01	.1154-01	73.41	.6766	.2538	555.1	.1429-03
19	1.0000	12.000	.66035-02	.7625-02	.8265-02	73.42	.4848	.2537	554.9	.1024-03
19	1.0000	14.000	.77548-02	.8955-02	.9706-02	73.40	.5692	.2539	555.3	.1202-03
19	1.0000	15.000	.39573	.4582	.4974	72.13	28.54	.2660	581.8	.6143-02
19	1.0000	16.000	.38451	.4450	.4830	72.33	27.81	.2641	577.5	.5967-02
19	1.0000	17.000	.41963	.4855	.5268	72.48	30.41	.2627	574.4	.6511-02
19	1.0000	18.000	.35900	.4154	.4508	72.43	26.00	.2631	575.4	.5571-02
19	1.0000	19.000	.30125	.3483	.3778	72.79	21.93	.2597	567.9	.4673-02
19	1.0000	21.000	.31393	.3633	.3943	72.34	22.71	.2640	577.3	.4872-02
19	1.0000	22.000	.33981	.3931	.4266	72.48	24.63	.2627	574.5	.5273-02
19	1.0000	23.000	.34114	.3945	.4279	72.71	24.80	.2605	569.7	.5292-02

OH58 ELEVON/ELEVON-HEATING ELEVON (R2XA17)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
19	1.0000	24.000	.35563	.4113	.4462	72.66	25.84	.2609	570.6	.5517-02
19	1.0000	25.000	.30205	.3491	.3786	72.98	22.04	.2579	564.1	.4684-02
19	1.0000	27.000	.50968-01	.5895-01	.6396-01	72.58	3.699	.2617	572.3	.7908-03
19	1.0000	28.000	.75580-02	.8738-02	.9477-02	72.83	.5505	.2593	567.0	.1172-03
19	1.0000	29.000	.19209-01	.2220-01	.2407-01	73.07	1.404	.2571	562.2	.2979-03
19	1.0000	30.000	.13265-01	.1533-01	.1662-01	73.11	.9698	.2567	561.3	.2057-03
19	1.0000	31.000	.18939-02	.2188-02	.2372-02	73.25	.1387	.2553	558.4	.2936-04
19	1.0000	32.000	.14946-01	.1726-01	.1871-01	73.40	1.097	.2539	555.2	.2317-03

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA18)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
31	30.00	.0000	7.300	.5082+06	195.9	1993.	502.4	.3373-01	179.6	.1576-04	4795.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
31	.0000	.7714-01

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
31	1.0000	1.0000	.89785-01	.1039	.1128	28.50	2.559	.2644	553.6	.3295-02
31	1.0000	2.0000	.72608-01	.8403-01	.9120-01	28.51	2.070	.2641	553.0	.2665-02
31	1.0000	3.0000	.38091-01	.4408-01	.4784-01	28.52	1.086	.2638	552.3	.1398-02
31	1.0000	4.0000	.77469-01	.8965-01	.9730-01	28.51	2.209	.2639	552.7	.2843-02
31	1.0000	5.0000	.46804-01	.5416-01	.5878-01	28.52	1.335	.2639	552.7	.1718-02
31	1.0000	6.0000	.23631-01	.2735-01	.2968-01	28.52	.6739	.2639	552.6	.8672-03
31	1.0000	7.0000	.61153-01	.7077-01	.7681-01	28.51	1.744	.2640	552.8	.2244-02
31	1.0000	8.0000	.28502-01	.3298-01	.3580-01	28.51	.8127	.2640	552.7	.1046-02
31	1.0000	9.0000	.10251-01	.1186-01	.1287-01	28.52	.2924	.2638	552.3	.3762-03
31	1.0000	10.000	.44223-01	.5118-01	.5554-01	28.51	1.261	.2639	552.7	.1623-02
31	1.0000	11.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
31	1.0000	12.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
31	1.0000	14.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
31	1.0000	15.000	.64376-01	.7451-01	.8087-01	28.49	1.834	.2645	553.9	.2363-02
31	1.0000	16.000	.62832-01	.7272-01	.7892-01	28.50	1.791	.2643	553.4	.2306-02
31	1.0000	17.000	.67131-01	.7769-01	.8431-01	28.51	1.914	.2640	552.7	.2464-02
31	1.0000	18.000	.73952-01	.8558-01	.9288-01	28.51	2.108	.2641	553.0	.2714-02
31	1.0000	19.000	.71156-01	.8234-01	.8937-01	28.51	2.029	.2640	552.9	.2611-02
31	1.0000	21.000	.37418-01	.4331-01	.4700-01	28.49	1.066	.2645	553.8	.1373-02
31	1.0000	22.000	.46511-01	.5383-01	.5842-01	28.50	1.326	.2642	553.2	.1707-02
31	1.0000	23.000	.57138-01	.6612-01	.7176-01	28.52	1.629	.2639	552.6	.2097-02

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA18)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
31	1.0000	24.000	.65248-01	.7551-01	.8195-01	28.51	1.860	.2641	553.1	.2395-02
31	1.0000	25.000	.58505-01	.6770-01	.7348-01	28.51	1.668	.2639	552.7	.2147-02
31	1.0000	27.000	.30087-02	.3482-02	.3779-02	28.51	.8578-01	.2640	552.8	.1104-03
31	1.0000	28.000	.27334-02	.3163-02	.3433-02	28.52	.7797-01	.2637	552.2	.1003-03
31	1.0000	29.000	.21833-02	.2526-02	.2742-02	28.53	.6228-01	.2637	552.1	.8012-04
31	1.0000	30.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
31	1.0000	31.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
31	1.0000	32.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA19)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
30	30.00	.0000	7.300	.4946+06	192.2	2002.	504.9	.3305+01	180.5	.1537-04	4807.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
30	.0000	.7640-01

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
30	1.0000	1.0000	.10133	.1173	.1273	28.37	2.874	.2640	555.6	.3767-02
30	1.0000	2.0000	.14605	.1690	.1834	28.38	4.145	.2637	554.8	.5429-02
30	1.0000	3.0000	.70593-01	.8168-01	.8864-01	28.40	2.005	.2632	553.9	.2624-02
30	1.0000	4.0000	.11337	.1312	.1424	28.39	3.219	.2634	554.2	.4214-02
30	1.0000	5.0000	.93484-01	.1082	.1174	28.39	2.654	.2634	554.2	.3475-02
30	1.0000	6.0000	.34085-01	.3944-01	.4280-01	28.39	.9678	.2634	554.1	.1267-02
30	1.0000	7.0000	.90866-01	.1051	.1141	28.39	2.580	.2635	554.4	.3378-02
30	1.0000	8.0000	.45821-01	.5302-01	.5754-01	28.39	1.301	.2634	554.3	.1703-02
30	1.0000	9.0000	.15435-01	.1786-01	.1938-01	28.40	.4383	.2632	553.8	.5737-03
30	1.0000	10.000	.59519-01	.6887-01	.7474-01	28.39	1.690	.2634	554.2	.2212-02
30	1.0000	11.000	.15458-03	.1788-03	.1941-03	28.41	.4392-02	.2630	553.3	.5745-05
30	1.0000	12.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
30	1.0000	14.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
30	1.0000	15.000	.13705	.1586	.1721	28.36	3.887	.2641	555.6	.5095-02
30	1.0000	16.000	.13117	.1518	.1647	28.38	3.722	.2638	555.0	.4876-02
30	1.0000	17.000	.13860	.1604	.1740	28.39	3.935	.2634	554.2	.5152-02
30	1.0000	18.000	.14528	.1681	.1824	28.39	4.124	.2635	554.5	.5400-02
30	1.0000	19.000	.13047	.1510	.1638	28.39	3.704	.2635	554.3	.4850-02
30	1.0000	21.000	.11441	.1324	.1437	28.37	3.246	.2639	555.3	.4253-02
30	1.0000	22.000	.14274	.1652	.1793	28.38	4.051	.2637	554.8	.5306-02
30	1.0000	23.000	.15018	.1738	.1886	28.40	4.264	.2633	554.1	.5582-02

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA19)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
30	1.0000	24.000	.15302	.1771	.1922	28.39	4.344	.2636	554.6	.5688-02
30	1.0000	25.000	.12210	.1413	.1533	28.39	3.467	.2634	554.2	.4539-02
30	1.0000	27.000	.19979-01	.2312-01	.2509-01	28.39	.5672	.2635	554.4	.7427-03
30	1.0000	28.000	.73772-02	.8536-02	.9263-02	28.40	.2095	.2632	553.7	.2742-03
30	1.0000	29.000	.26602-02	.3078-02	.3340-02	28.40	.7556-01	.2631	553.6	.9888-04
30	1.0000	30.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
30	1.0000	31.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
30	1.0000	32.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA20)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
33	30.00	.0000	7.300	.4884+06	190.0	2003.	505.2	.3267-01	180.6	.1518-04	4809.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
33	.0000	.7596-01

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
33	1.0000	1.0000	.64911-01	.7508-01	.8146-01	28.33	1.839	.2615	550.7	.2427-02
33	1.0000	2.0000	.51166-01	.5918-01	.6420-01	28.33	1.450	.2614	550.4	.1913-02
33	1.0000	3.0000	.29208-01	.3378-01	.3665-01	28.34	.8277	.2613	550.2	.1092-02
33	1.0000	4.0000	.52599-01	.6084-01	.6600-01	28.33	1.490	.2614	550.5	.1967-02
33	1.0000	5.0000	.37113-01	.4293-01	.4657-01	28.33	1.051	.2614	550.5	.1388-02
33	1.0000	6.0000	.17346-01	.2006-01	.2177-01	28.33	.4914	.2615	550.6	.6486-03
33	1.0000	7.0000	.42706-01	.4939-01	.5359-01	28.33	1.210	.2615	550.6	.1597-02
33	1.0000	8.0000	.21900-01	.2533-01	.2748-01	28.33	.6204	.2615	550.6	.8189-03
33	1.0000	9.0000	.72480-02	.8383-02	.9095-02	28.34	.2054	.2613	550.3	.2710-03
33	1.0000	10.000	.30892-01	.3573-01	.3877-01	28.33	.8752	.2615	550.6	.1155-02
33	1.0000	11.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
33	1.0000	12.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
33	1.0000	14.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
33	1.0000	15.000	.50555-01	.5847-01	.6344-01	28.32	1.432	.2617	551.0	.1890-02
33	1.0000	16.000	.50220-01	.5809-01	.6302-01	28.33	1.422	.2616	550.9	.1878-02
33	1.0000	17.000	.47546-01	.5499-01	.5966-01	28.33	1.347	.2614	550.5	.1778-02
33	1.0000	18.000	.46318-01	.5357-01	.5813-01	28.32	1.312	.2616	550.9	.1732-02
33	1.0000	19.000	.41075-01	.4751-01	.5154-01	28.33	1.164	.2616	550.7	.1536-02
33	1.0000	21.000	.27086-01	.3133-01	.3399-01	28.32	.7671	.2617	551.0	.1013-02
33	1.0000	22.000	.28449-01	.3291-01	.3570-01	28.33	.8059	.2615	550.7	.1064-02
33	1.0000	23.000	.30135-01	.3485-01	.3781-01	28.33	.8538	.2614	550.4	.1127-02

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA20)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
33	1.0000	24.000	.35923-01	.4155-01	.4508-01	28.32	1.017	.2617	551.0	.1343-02
33	1.0000	25.000	.34911-01	.4038-01	.4381-01	28.33	.9890	.2615	550.6	.1305-02
33	1.0000	27.000	.31625-02	.3658-02	.3968-02	28.33	.8961-01	.2614	550.4	.1183-03
33	1.0000	28.000	.29048-02	.3360-02	.3645-02	28.34	.8232-01	.2613	550.2	.1086-03
33	1.0000	29.000	.25173-02	.2911-02	.3159-02	28.34	.7134-01	.2613	550.2	.9413-04
33	1.0000	30.000	.18883-02	.2184-02	.2370-02	28.32	.5348-01	.2617	551.0	.7061-04
33	1.0000	31.000	.71721-03	.8295-03	.9000-03	28.33	.2032-01	.2615	550.5	.2682-04
33	1.0000	32.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA21)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
32	30.00	.0000	7.300	.7785+06	292.5	1965.	494.6	.5049-01	176.8	.2396-04	4758.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
32	.0000	.9426-01

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
32	1.0000	1.0000	.10186	.1180	.1281	34.12	3.475	.2679	552.2	.3030-02
32	1.0000	2.0000	.80226-01	.9291-01	.1009	34.14	2.739	.2675	551.4	.2386-02
32	1.0000	3.0000	.43312-01	.5015-01	.5445-01	34.16	1.480	.2669	550.3	.1288-02
32	1.0000	4.0000	.94499-01	.1094	.1188	34.15	3.227	.2673	550.9	.2811-02
32	1.0000	5.0000	.54228-01	.6280-01	.6819-01	34.15	1.852	.2672	550.9	.1613-02
32	1.0000	6.0000	.28823-01	.3338-01	.3624-01	34.15	.9844	.2671	550.7	.8573-03
32	1.0000	7.0000	.78596-01	.9102-01	.9883-01	34.14	2.684	.2673	551.1	.2338-02
32	1.0000	8.0000	.34104-01	.3949-01	.4288-01	34.15	1.165	.2672	550.8	.1014-02
32	1.0000	9.0000	.12125-01	.1404-01	.1524-01	34.17	.4143	.2668	550.0	.3606-03
32	1.0000	10.000	.64819-01	.7506-01	.8150-01	34.16	2.214	.2671	550.6	.1928-02
32	1.0000	11.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
32	1.0000	12.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
32	1.0000	14.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
32	1.0000	15.000	.11360	.1316	.1429	34.11	3.875	.2680	552.5	.3379-02
32	1.0000	16.000	.11221	.1300	.1411	34.12	3.829	.2677	551.9	.3338-02
32	1.0000	17.000	.12085	.1399	.1520	34.15	4.127	.2672	550.9	.3595-02
32	1.0000	18.000	.12524	.1450	.1575	34.14	4.275	.2674	551.3	.3725-02
32	1.0000	19.000	.11985	.1388	.1507	34.16	4.094	.2670	550.5	.3565-02
32	1.0000	21.000	.71130-01	.8238-01	.8946-01	34.12	2.427	.2679	552.2	.2116-02
32	1.0000	22.000	.86974-01	.1007	.1094	34.13	2.969	.2675	551.5	.2587-02
32	1.0000	23.000	.10213	.1183	.1284	34.16	3.489	.2671	550.5	.3038-02

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA21)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
32	1.0000	24.000	.11257	.1304	.1416	34.14	3.843	.2674	551.2	.3348-02
32	1.0000	25.000	.10294	.1192	.1294	34.17	3.517	.2669	550.1	.3062-02
32	1.0000	27.000	.31065-02	.3597-02	.3906-02	34.15	.1061	.2671	550.7	.9240-04
32	1.0000	28.000	.28493-02	.3299-02	.3582-02	34.17	.9736-01	.2668	550.0	.8474-04
32	1.0000	29.000	.24778-02	.2869-02	.3115-02	34.18	.8468-01	.2666	549.7	.7369-04
32	1.0000	30.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
32	1.0000	31.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
32	1.0000	32.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA22)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
28	30.00	.0000	7.300	.7867+06	289.7	1943.	488.7	.5012-01	174.7	.2408-04	4729.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
28	.0000	.9381-01

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT -	TW DEG. R	STN NO R=0.9
28	1.0000	1.0000	.17667	.2048	.2225	33.39	5.898	.2713	552.6	.5241-02
28	1.0000	2.0000	.21314	.2470	.2683	33.41	7.122	.2708	551.5	.6323-02
28	1.0000	3.0000	.87067-01	.1009	.1096	33.45	2.912	.2701	550.0	.2582-02
28	1.0000	4.0000	.18049	.2092	.2272	33.43	6.034	.2704	550.7	.5354-02
28	1.0000	5.0000	.12826	.1486	.1615	33.43	4.288	.2704	550.7	.3804-02
28	1.0000	6.0000	.49055-01	.5685-01	.6175-01	33.43	1.640	.2703	550.6	.1455-02
28	1.0000	7.0000	.16471	.1909	.2074	33.42	5.505	.2706	551.0	.4886-02
28	1.0000	8.0000	.70926-01	.8219-01	.8928-01	33.43	2.371	.2705	550.9	.2104-02
28	1.0000	9.0000	.20893-01	.2421-01	.2630-01	33.45	.6988	.2701	550.1	.6197-03
28	1.0000	10.000	.16893	.1958	.2126	33.43	5.648	.2704	550.7	.5011-02
28	1.0000	11.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
28	1.0000	12.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
28	1.0000	14.000	.10489-02	.1215-02	.1320-02	33.48	.3512-01	.2694	548.6	.3111-04
28	1.0000	15.000	.23846	.2763	.3002	33.42	7.969	.2707	551.3	.7073-02
28	1.0000	16.000	.24883	.2884	.3132	33.43	8.318	.2704	550.8	.7381-02
28	1.0000	17.000	.29024	.3363	.3653	33.44	9.707	.2701	550.2	.8609-02
28	1.0000	18.000	.30184	.3498	.3800	33.43	10.09	.2705	550.9	.8953-02
28	1.0000	19.000	.29363	.3403	.3696	33.44	9.820	.2701	550.2	.8710-02
28	1.0000	21.000	.17911	.2076	.2255	33.43	5.987	.2705	550.9	.5313-02
28	1.0000	22.000	.23618	.2737	.2973	33.44	7.898	.2702	550.3	.7006-02
28	1.0000	23.000	.31161	.3611	.3922	33.45	10.42	.2699	549.7	.9243-02

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA22)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
28	1.0000	24.000	.33698	.3905	.4242	33.43	11.27	.2703	550.6	.9995-02
28	1.0000	25.000	.29486	.3417	.3711	33.45	9.863	.2700	549.9	.8746-02
28	1.0000	27.000	.22970-01	.2662-01	.2891-01	33.45	.7684	.2700	549.8	.6813-03
28	1.0000	28.000	.87754-02	.1017-01	.1104-01	33.47	.2937	.2696	549.1	.2603-03
28	1.0000	29.000	.31633-02	.3665-02	.3981-02	33.47	.1059	.2696	549.1	.9382-04
28	1.0000	30.000	.46685-02	.5410-02	.5877-02	33.43	.1561	.2704	550.6	.1385-03
28	1.0000	31.000	.67630-03	.7836-03	.6512-03	33.46	.2263-01	.2699	549.6	.2006-04
28	1.0000	32.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA23)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
34	30.00	.0000	7.300	.7970+06	293.4	1942.	488.5	.5075-01	174.6	.2439-04	4728.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
34	.0000	.9440-01

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
34	1.0000	1.0000	.67577-01	.7832-01	.8508-01	33.61	2.271	.2708	551.3	.1992-02
34	1.0000	2.0000	.53771-01	.6232-01	.6769-01	33.61	1.807	.2707	551.1	.1585-02
34	1.0000	3.0000	.34158-01	.3959-01	.4300-01	33.61	1.148	.2707	551.2	.1007-02
34	1.0000	4.0000	.65057-01	.7540-01	.8191-01	33.60	2.186	.2709	551.6	.1917-02
34	1.0000	5.0000	.45902-01	.5320-01	.5779-01	33.60	1.542	.2710	551.8	.1353-02
34	1.0000	6.0000	.21296-01	.2468-01	.2681-01	33.60	.7155	.2710	551.8	.6277-03
34	1.0000	7.0000	.57472-01	.6661-01	.7236-01	33.59	1.931	.2711	551.9	.1694-02
34	1.0000	8.0000	.26851-01	.3112-01	.3381-01	33.59	.9020	.2711	552.0	.7914-03
34	1.0000	9.0000	.85081-02	.9861-02	.1071-01	33.60	.2859	.2709	551.5	.2508-03
34	1.0000	10.000	.44449-01	.5152-01	.5597-01	33.59	1.493	.2711	552.0	.1310-02
34	1.0000	11.000	.83887-03	.9721-03	.1056-02	33.62	.2821-01	.2705	550.7	.2472-04
34	1.0000	12.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
34	1.0000	14.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
34	1.0000	15.000	.71537-01	.8291-01	.9007-01	33.60	2.404	.2709	551.6	.2108-02
34	1.0000	16.000	.76667-01	.8885-01	.9652-01	33.60	2.576	.2709	551.5	.2260-02
34	1.0000	17.000	.81300-01	.9422-01	.1024	33.60	2.732	.2709	551.5	.2396-02
34	1.0000	18.000	.80977-01	.9386-01	.1020	33.59	2.720	.2713	552.3	.2387-02
34	1.0000	19.000	.78963-01	.9152-01	.9942-01	33.59	2.653	.2711	552.0	.2327-02
34	1.0000	21.000	.45176-01	.5236-01	.5688-01	33.60	1.518	.2709	551.5	.1331-02
34	1.0000	22.000	.51809-01	.6004-01	.6523-01	33.61	1.741	.2708	551.3	.1527-02
34	1.0000	23.000	.57904-01	.6711-01	.7290-01	33.61	1.946	.2708	551.3	.1707-02

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA23)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
34	1.0000	24.000	.67402-01	.7812-01	.8487-01	33.59	2.264	.2712	552.2	.1987-02
34	1.0000	25.000	.69076-01	.8006-01	.8697-01	33.60	2.321	.2710	551.8	.2036-02
34	1.0000	27.000	.32330-02	.3747-02	.4070-02	33.63	.1087	.2704	550.4	.9528-04
34	1.0000	28.000	.28094-02	.3256-02	.3536-02	33.63	.9449-01	.2703	550.3	.8280-04
34	1.0000	29.000	.27276-02	.3161-02	.3434-02	33.62	.9171-01	.2705	550.8	.8039-04
34	1.0000	30.000	.14500-02	.1681-02	.1826-02	33.58	.4870-01	.2713	552.3	.4274-04
34	1.0000	31.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
34	1.0000	32.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA24)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
24	30.00	.0000	7.300	.7711+06	289.3	1963.	494.2	.4995-01	176.7	.2373-04	4756.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
24	.0000	.9374-01

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
24	1.0000	1.0000	.94012-01	.1089	.1183	33.87	3.184	.2685	552.9	.2810-02
24	1.0000	2.0000	.78126-01	.9049-01	.9827-01	33.89	2.648	.2681	552.2	.2335-02
24	1.0000	3.0000	.38797-01	.4494-01	.4879-01	33.90	1.315	.2679	551.8	.1160-02
24	1.0000	4.0000	.80913-01	.9372-01	.1018	33.89	2.742	.2681	552.2	.2419-02
24	1.0000	5.0000	.47779-01	.5534-01	.6010-01	33.88	1.619	.2682	552.4	.1428-02
24	1.0000	6.0000	.24659-01	.2856-01	.3102-01	33.89	.8357	.2681	552.2	.7371-03
24	1.0000	7.0000	.66156-01	.7663-01	.8322-01	33.88	2.241	.2684	552.7	.1978-02
24	1.0000	8.0000	.29324-01	.3397-01	.3689-01	33.88	.9935	.2683	552.5	.8766-03
24	1.0000	9.0000	.10813-01	.1252-01	.1360-01	33.90	.3665	.2680	551.9	.3232-03
24	1.0000	10.000	.52709-01	.6105-01	.6630-01	33.88	1.786	.2683	552.5	.1576-02
24	1.0000	11.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
24	1.0000	12.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
24	1.0000	14.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
24	1.0000	15.000	.85062-01	.9854-01	.1070	33.86	2.880	.2687	553.4	.2543-02
24	1.0000	16.000	.84145-01	.9747-01	.1059	33.87	2.850	.2686	553.1	.2516-02
24	1.0000	17.000	.88238-01	.1022	.1110	33.89	2.990	.2681	552.2	.2638-02
24	1.0000	18.000	.93556-01	.1084	.1177	33.87	3.169	.2684	552.8	.2797-02
24	1.0000	19.000	.89727-01	.1039	.1129	33.88	3.040	.2682	552.5	.2682-02
24	1.0000	21.000	.47785-01	.5535-01	.6011-01	33.86	1.618	.2686	553.2	.1429-02
24	1.0000	22.000	.57741-01	.6688-01	.7263-01	33.88	1.956	.2683	552.5	.1726-02
24	1.0000	23.000	.69155-01	.8010-01	.8698-01	33.90	2.344	.2679	551.8	.2067-02

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA24)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
24	1.0000	24.000	.78723-01	.9119-01	.9903-01	33.88	2.667	.2684	552.7	.2353-02
24	1.0000	25.000	.71714-01	.8306-01	.9020-01	33.89	2.430	.2681	552.1	.2144-02
24	1.0000	27.000	.48209-02	.5584-02	.6064-02	33.89	.1634	.2680	552.0	.1441-03
24	1.0000	28.000	.34292-02	.3972-02	.4313-02	33.91	.1163	.2677	551.4	.1025-03
24	1.0000	29.000	.24149-02	.2797-02	.3037-02	33.91	.8189-01	.2677	551.3	.7219-04
24	1.0000	30.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
24	1.0000	31.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
24	1.0000	32.000	.58919-03	.6824-03	.7409-03	33.91	.1998-01	.2676	551.1	.1761-04

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA25)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
26	30.00	.0000	7.300	.7608+06	288.6	1975.	497.5	.4977-01	177.9	.2348-04	4772.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
26	.0000	.9363-01

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
26	1.0000	1.0000	.16977	.1967	.2137	33.95	5.763	.2706	561.1	.5105-02
26	1.0000	2.0000	.22013	.2551	.2771	33.97	7.477	.2702	560.2	.6619-02
26	1.0000	3.0000	.80433-01	.9321-01	.1013	33.94	2.730	.2706	561.1	.2419-02
26	1.0000	4.0000	.16639	.1928	.2094	33.98	5.653	.2700	559.8	.5003-02
26	1.0000	5.0000	.11749	.1361	.1479	33.97	3.991	.2701	560.0	.3533-02
26	1.0000	6.0000	.40785-01	.4726-01	.5133-01	33.97	1.386	.2700	559.9	.1226-02
26	1.0000	7.0000	.12733	.1475	.1603	33.96	4.325	.2702	560.3	.3829-02
26	1.0000	8.0000	.56619-01	.6561-01	.7127-01	33.97	1.923	.2702	560.2	.1703-02
26	1.0000	9.0000	.17711-01	.2052-01	.2229-01	33.98	.6019	.2698	559.4	.5325-03
26	1.0000	10.000	.85527-01	.9911-01	.1076	33.97	2.905	.2701	560.1	.2572-02
26	1.0000	11.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
26	1.0000	12.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
26	1.0000	14.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
26	1.0000	15.000	.24941	.2890	.3139	33.96	8.470	.2703	560.5	.7500-02
26	1.0000	16.000	.24903	.2886	.3135	33.96	8.458	.2702	560.3	.7488-02
26	1.0000	17.000	.25544	.2960	.3215	33.99	8.682	.2698	559.4	.7681-02
26	1.0000	18.000	.25313	.2933	.3186	33.97	8.599	.2701	560.0	.7611-02
26	1.0000	19.000	.22081	.2559	.2779	33.98	7.503	.2699	559.7	.6640-02
26	1.0000	21.000	.20816	.2412	.2620	33.97	7.070	.2702	560.3	.6259-02
26	1.0000	22.000	.26363	.3055	.3318	33.98	8.959	.2698	559.5	.7927-02
26	1.0000	23.000	.30909	.3581	.3890	34.00	10.51	.2695	558.9	.9294-02

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA25)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
26	1.0000	24.000	.30134	.3492	.3793	33.98	10.24	.2700	559.8	.9061-02
26	1.0000	25.000	.23601	.2735	.2970	33.99	8.021	.2697	559.3	.7096-02
26	1.0000	27.000	.28304-01	.3279-01	.3562-01	33.98	.9619	.2698	559.5	.8511-03
26	1.0000	28.000	.11679-01	.1353-01	.1470-01	34.00	.3971	.2695	558.8	.3512-03
26	1.0000	29.000	.24139-02	.2797-02	.3037-02	34.01	.8209-01	.2693	558.4	.7258-04
26	1.0000	30.000	.16130-02	.1869-02	.2030-02	33.96	.5477-01	.2704	560.6	.4850-04
26	1.0000	31.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
26	1.0000	32.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA26)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
25	30.00	.0000	7.300	.1031+07	389.5	1971.	496.2	.6720-01	177.4	.3179-04	4766.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
25	.0000	.1088

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
25	1.0000	1.0000	.11095	.1286	.1396	39.37	4.368	.2699	558.2	.2867-02
25	1.0000	2.0000	.89941-01	.1042	.1132	39.39	3.543	.2696	557.5	.2324-02
25	1.0000	3.0000	.45353-01	.5254-01	.5707-01	39.41	1.787	.2693	556.8	.1172-02
25	1.0000	4.0000	.10469	.1213	.1317	39.39	4.124	.2696	557.5	.2705-02
25	1.0000	5.0000	.59545-01	.6899-01	.7493-01	39.40	2.346	.2695	557.3	.1538-02
25	1.0000	6.0000	.33691-01	.3903-01	.4240-01	39.40	1.328	.2694	557.1	.8705-03
25	1.0000	7.0000	.93194-01	.1080	.1173	39.39	3.671	.2697	557.8	.2408-02
25	1.0000	8.0000	.44406-01	.5145-01	.5588-01	39.39	1.749	.2696	557.5	.1147-02
25	1.0000	9.0000	.14929-01	.1730-01	.1879-01	39.41	.5884	.2692	556.8	.3857-03
25	1.0000	10.000	.84861-01	.9832-01	.1068	39.39	3.343	.2696	557.6	.2193-02
25	1.0000	11.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
25	1.0000	12.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
25	1.0000	14.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
25	1.0000	15.000	.17178	.1991	.2162	39.34	6.758	.2704	559.3	.4439-02
25	1.0000	16.000	.17375	.2013	.2187	39.36	6.838	.2702	558.9	.4490-02
25	1.0000	17.000	.18744	.2172	.2359	39.39	7.383	.2697	557.8	.4843-02
25	1.0000	18.000	.19076	.2210	.2401	39.37	7.510	.2700	558.4	.4929-02
25	1.0000	19.000	.18727	.2170	.2357	39.38	7.375	.2698	557.9	.4839-02
25	1.0000	21.000	.12169	.1410	.1532	39.35	4.789	.2703	559.1	.3144-02
25	1.0000	22.000	.15267	.1769	.1921	39.37	6.010	.2700	558.4	.3945-02
25	1.0000	23.000	.18072	.2094	.2274	39.40	7.119	.2695	557.4	.4669-02

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA26)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
25	1.0000	24.000	.19584	.2269	.2465	39.37	7.711	.2700	558.3	.5060-02
25	1.0000	25.000	.18901	.2190	.2379	39.39	7.446	.2696	557.6	.4884-02
25	1.0000	27.000	.50427-02	.5843-02	.6346-02	39.40	.1987	.2695	557.4	.1303-03
25	1.0000	28.000	.34344-02	.3979-02	.4321-02	39.42	.1354	.2692	556.7	.8873-04
25	1.0000	29.000	.24309-02	.2816-02	.3059-02	39.43	.9584-01	.2690	556.3	.6280-04
25	1.0000	30.000	.16426-02	.1903-02	.2067-02	39.39	.6470-01	.2696	557.6	.4244-04
25	1.0000	31.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
25	1.0000	32.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA27)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
29	30.00	.0000	7.300	.9799+06	393.6	2039.	515.1	.6744-01	184.2	.3073-04	4856.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
29	.0000	.1093

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
29	1.0000	1.0000	.18989	.2195	.2380	41.76	7.929	.2580	553.9	.4994-02
29	1.0000	2.0000	.23239	.2686	.2912	41.79	9.710	.2575	552.9	.6112-02
29	1.0000	3.0000	.92927-01	.1074	.1164	41.82	3.887	.2569	551.5	.2444-02
29	1.0000	4.0000	.20602	.2381	.2582	41.80	8.612	.2572	552.3	.5418-02
29	1.0000	5.0000	.13880	.1604	.1739	41.80	5.802	.2572	552.2	.3650-02
29	1.0000	6.0000	.49716-01	.5745-01	.6229-01	41.81	2.079	.2571	552.0	.1307-02
29	1.0000	7.0000	.17281	.1997	.2166	41.79	7.222	.2574	552.7	.4545-02
29	1.0000	8.0000	.75523-01	.8727-01	.9463-01	41.80	3.157	.2572	552.2	.1986-02
29	1.0000	9.0000	.24004-01	.2774-01	.3008-01	41.82	1.004	.2569	551.5	.6313-03
29	1.0000	10.000	.13776	.1592	.1726	41.80	5.758	.2573	552.4	.3623-02
29	1.0000	11.000	.44638-03	.5157-03	.5592-03	41.86	.1868-01	.2564	550.4	.1174-04
29	1.0000	12.000	.15472-03	.1788-03	.1938-03	41.84	.6473-02	.2567	551.0	.4068-05
29	1.0000	14.000	.52920-03	.6114-03	.6629-03	41.85	.2215-01	.2564	550.5	.1392-04
29	1.0000	15.000	.24980	.2887	.3131	41.76	10.43	.2580	553.8	.6570-02
29	1.0000	16.000	.25858	.2988	.3241	41.78	10.80	.2577	553.2	.6801-02
29	1.0000	17.000	.31117	.3596	.3899	41.80	13.01	.2573	552.4	.8183-02
29	1.0000	18.000	.33258	.3844	.4168	41.78	13.89	.2576	553.1	.8747-02
29	1.0000	19.000	.32542	.3761	.4078	41.80	13.60	.2573	552.5	.8558-02
29	1.0000	21.000	.20374	.2355	.2553	41.77	8.511	.2578	553.4	.5358-02
29	1.0000	22.000	.26431	.3054	.3312	41.79	11.05	.2574	552.6	.6951-02
29	1.0000	23.000	.33512	.3872	.4199	41.81	14.01	.2571	551.9	.8813-02

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA27)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
29	1.0000	24.000	.36733	.4245	.4603	41.79	15.35	.2575	552.9	.9660-02
29	1.0000	25.000	.34995	.4044	.4385	41.81	14.63	.2572	552.1	.9203-02
29	1.0000	27.000	.21704-01	.2508-01	.2719-01	41.82	.9077	.2569	551.5	.5707-03
29	1.0000	28.000	.87608-02	.1012-01	.1098-01	41.85	.3666	.2565	550.7	.2304-03
29	1.0000	29.000	.26411-02	.3052-02	.3309-02	41.84	.1105	.2565	550.7	.6945-04
29	1.0000	30.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
29	1.0000	31.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
29	1.0000	32.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA28)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
35	30.00	.0000	7.300	.9764+06	391.2	2036.	514.4	.6706-01	183.9	.3060-04	4852.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
35	.0000	.1090

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
35	1.0000	1.0000	.69064-01	.7984-01	.8659-01	41.52	2.868	.2589	555.1	.1820-02
35	1.0000	2.0000	.55268-01	.6389-01	.6929-01	41.54	2.296	.2587	554.6	.1457-02
35	1.0000	3.0000	.36928-01	.4268-01	.4629-01	41.55	1.534	.2585	554.2	.9733-03
35	1.0000	4.0000	.69337-01	.8015-01	.8693-01	41.53	2.880	.2588	554.8	.1828-02
35	1.0000	5.0000	.51287-01	.5929-01	.6430-01	41.53	2.130	.2587	554.7	.1352-02
35	1.0000	6.0000	.24632-01	.2847-01	.3088-01	41.54	1.023	.2587	554.6	.6492-03
35	1.0000	7.0000	.65486-01	.7570-01	.8210-01	41.52	2.719	.2589	555.1	.1726-02
35	1.0000	8.0000	.31498-01	.3641-01	.3949-01	41.53	1.308	.2588	554.8	.8302-03
35	1.0000	9.0000	.96705-02	.1118-01	.1212-01	41.55	.4018	.2585	554.2	.2549-03
35	1.0000	10.000	.51035-01	.5899-01	.6398-01	41.53	2.119	.2588	554.9	.1345-02
35	1.0000	11.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
35	1.0000	12.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
35	1.0000	14.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
35	1.0000	15.000	.80271-01	.9280-01	.1007	41.50	3.332	.2592	555.8	.2116-02
35	1.0000	16.000	.86637-01	.1002	.1086	41.52	3.597	.2590	555.3	.2284-02
35	1.0000	17.000	.97833-01	.1131	.1227	41.52	4.062	.2589	555.0	.2579-02
35	1.0000	18.000	.98117-01	.1134	.1230	41.51	4.073	.2592	555.6	.2586-02
35	1.0000	19.000	.97213-01	.1124	.1219	41.52	4.036	.2590	555.3	.2562-02
35	1.0000	21.000	.54171-01	.6263-01	.6793-01	41.50	2.248	.2592	555.7	.1428-02
35	1.0000	22.000	.64442-01	.7450-01	.8080-01	41.52	2.676	.2590	555.2	.1699-02
35	1.0000	23.000	.73540-01	.8501-01	.9220-01	41.53	3.054	.2588	554.8	.1938-02

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA28)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
35	1.0000	24.000	.85868-01	.9927-01	.1077	41.50	3.564	.2592	555.7	.2263-02
35	1.0000	25.000	.89958-01	.1040	.1128	41.52	3.735	.2589	555.1	.2371-02
35	1.0000	27.000	.31545-02	.3646-02	.3954-02	41.55	.1311	.2585	554.2	.8314-04
35	1.0000	28.000	.29848-02	.3450-02	.3741-02	41.56	.1241	.2582	553.6	.7866-04
35	1.0000	29.000	.29865-02	.3452-02	.3744-02	41.56	.1241	.2583	553.8	.7871-04
35	1.0000	30.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
35	1.0000	31.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
35	1.0000	32.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA29)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = 1.500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
23	30.00	.0000	7.300	.1563+07	576.7	1945.	489.2	.9974-01	174.9	.4786-04	4732.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
23	.0000	.1324

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
23	1.0000	1.0000	.11060	.1281	.1391	47.36	5.238	.2682	546.8	.2326-02
23	1.0000	2.0000	.89391-01	.1035	.1124	47.42	4.239	.2674	545.1	.1880-02
23	1.0000	3.0000	.44676-01	.5173-01	.5616-01	47.50	2.122	.2662	542.8	.9395-03
23	1.0000	4.0000	.10357	.1199	.1302	47.46	4.916	.2668	543.9	.2178-02
23	1.0000	5.0000	.58328-01	.6753-01	.7332-01	47.49	2.770	.2664	543.2	.1227-02
23	1.0000	6.0000	.32817-01	.3799-01	.4125-01	47.51	1.559	.2661	542.6	.6901-03
23	1.0000	7.0000	.92080-01	.1066	.1158	47.46	4.370	.2668	544.0	.1936-02
23	1.0000	8.0000	.41949-01	.4857-01	.5273-01	47.50	1.993	.2662	542.8	.8821-03
23	1.0000	9.0000	.12952-01	.1499-01	.1628-01	47.54	.6157	.2657	541.7	.2723-03
23	1.0000	10.000	.85751-01	.9929-01	.1078	47.49	4.072	.2664	543.2	.1803-02
23	1.0000	11.000	.19478-02	.2254-02	.2447-02	47.59	.9269-01	.2650	540.2	.4095-04
23	1.0000	12.000	.10062-03	.1165-03	.1264-03	47.59	.4789-02	.2649	540.1	.2116-05
23	1.0000	14.000	.11286-02	.1306-02	.1418-02	47.59	.5370-01	.2650	540.2	.2373-04
23	1.0000	15.000	.19383	.2245	.2439	47.32	9.173	.2688	548.0	.4077-02
23	1.0000	16.000	.19901	.2305	.2503	47.37	9.428	.2681	546.6	.4186-02
23	1.0000	17.000	.21597	.2501	.2715	47.45	10.25	.2670	544.4	.4542-02
23	1.0000	18.000	.21786	.2523	.2739	47.43	10.33	.2672	544.8	.4582-02
23	1.0000	19.000	.20390	.2361	.2563	47.48	9.680	.2666	543.5	.4288-02
23	1.0000	21.000	.14041	.1626	.1766	47.34	6.647	.2686	547.6	.2954-02
23	1.0000	22.000	.18048	.2090	.2270	47.39	8.553	.2678	546.0	.3796-02
23	1.0000	23.000	.21444	.2483	.2696	47.47	10.18	.2667	543.8	.4510-02

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA29)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
23	1.0000	24.000	.22854	.2646	.2874	47.44	10.84	.2671	544.5	.4806-02
23	1.0000	25.000	.21539	.2494	.2707	47.49	10.23	.2664	543.1	.4529-02
23	1.0000	27.000	.67363-02	.7801-02	.8471-02	47.41	.3194	.2675	545.3	.1417-03
23	1.0000	28.000	.37564-02	.4349-02	.4722-02	47.48	.1783	.2666	543.4	.7899-04
23	1.0000	29.000	.23576-02	.2729-02	.2963-02	47.54	.1121	.2657	541.7	.4957-04
23	1.0000	30.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
23	1.0000	31.000	.21924-02	.2538-02	.2755-02	47.56	.1043	.2654	541.0	.4610-04
23	1.0000	32.000	.12237-02	.1416-02	.1538-02	47.58	.5822-01	.2651	540.5	.2573-04

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA30)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = 1.500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
27	30.00	.0000	7.300	.1482+07	581.0	2012.	507.6	.9984-01	181.5	.4617-04	4820.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
27	.0000	.1328

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
27	1.0000	1.0000	.21185	.2452	.2661	49.58	10.50	.2641	558.7	.4545-02
27	1.0000	2.0000	.24605	.2847	.3089	49.65	12.22	.2631	556.5	.5278-02
27	1.0000	3.0000	.90918-01	.1052	.1141	49.78	4.526	.2613	552.7	.1950-02
27	1.0000	4.0000	.22187	.2566	.2785	49.74	11.03	.2619	554.0	.4759-02
27	1.0000	5.0000	.14211	.1644	.1783	49.75	7.070	.2616	553.5	.3048-02
27	1.0000	6.0000	.53192-01	.6152-01	.6674-01	49.78	2.648	.2613	552.7	.1141-02
27	1.0000	7.0000	.20680	.2392	.2596	49.74	10.29	.2619	554.0	.4436-02
27	1.0000	8.0000	.84158-01	.9734-01	.1056	49.77	4.189	.2614	553.0	.1805-02
27	1.0000	9.0000	.23534-01	.2722-01	.2953-01	49.81	1.172	.2608	551.7	.5047-03
27	1.0000	10.000	.23058	.2667	.2893	49.77	11.48	.2615	553.1	.4945-02
27	1.0000	11.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
27	1.0000	12.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
27	1.0000	14.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
27	1.0000	15.000	.27883	.3226	.3501	49.63	13.84	.2633	557.1	.5982-02
27	1.0000	16.000	.28418	.3288	.3568	49.67	14.12	.2628	555.8	.6096-02
27	1.0000	17.000	.32517	.3761	.4081	49.75	16.18	.2618	553.7	.6974-02
27	1.0000	18.000	.35177	.4069	.4415	49.73	17.49	.2620	554.2	.7545-02
27	1.0000	19.000	.35423	.4097	.4445	49.78	17.63	.2613	552.7	.7597-02
27	1.0000	21.000	.21487	.2486	.2698	49.65	10.67	.2630	556.4	.4609-02
27	1.0000	22.000	.27539	.3186	.3457	49.70	13.69	.2623	555.0	.5907-02
27	1.0000	23.000	.33507	.3875	.4205	49.77	16.68	.2615	553.1	.7186-02

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA30)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
27	1.0000	24.000	.36082	.4174	.4528	49.75	17.95	.2617	553.6	.7739-02
27	1.0000	25.000	.33683	.3895	.4226	49.80	16.77	.2610	552.2	.7223-02
27	1.0000	27.000	.26911-01	.3113-01	.3378-01	49.73	1.338	.2620	554.2	.5772-03
27	1.0000	28.000	.10892-01	.1260-01	.1367-01	49.78	.5422	.2613	552.7	.2336-03
27	1.0000	29.000	.44915-02	.5194-02	.5635-02	49.83	.2238	.2606	551.3	.9632-04
27	1.0000	30.000	.99747-02	.1154-01	.1251-01	49.80	.4967	.2610	552.2	.2139-03
27	1.0000	31.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
27	1.0000	32.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA31)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = 1.500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
36	30.00	.0000	7.300	.1414+07	587.1	2077.	525.6	.1002	187.9	.4476-04	4905.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
36	.0000	.1335

TEST DATA

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
36	1.0000	1.0000	.65379-01	.7550-01	.8183-01	52.31	3.420	.2539	556.1	.1426-02
36	1.0000	2.0000	.52494-01	.6061-01	.6569-01	52.36	2.748	.2533	554.8	.1145-02
36	1.0000	3.0000	.35855-01	.4139-01	.4485-01	52.42	1.880	.2524	552.9	.7818-03
36	1.0000	4.0000	.66465-01	.7674-01	.8316-01	52.39	3.482	.2529	554.0	.1449-02
36	1.0000	5.0000	.50669-01	.5850-01	.6339-01	52.41	2.655	.2526	553.4	.1105-02
36	1.0000	6.0000	.23491-01	.2712-01	.2939-01	52.42	1.231	.2524	552.9	.5122-03
36	1.0000	7.0000	.62020-01	.7161-01	.7760-01	52.38	3.249	.2530	554.2	.1352-02
36	1.0000	8.0000	.30156-01	.3481-01	.3773-01	52.41	1.581	.2526	553.2	.6576-03
36	1.0000	9.0000	.88126-02	.1017-01	.1102-01	52.45	.4622	.2521	552.2	.1922-03
36	1.0000	10.000	.48300-01	.5576-01	.6043-01	52.40	2.531	.2527	553.6	.1053-02
36	1.0000	11.000	.92119-03	.1063-02	.1152-02	52.49	.4835-01	.2515	551.0	.2009-04
36	1.0000	12.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
36	1.0000	14.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
36	1.0000	15.000	.95374-01	.1101	.1194	52.29	4.987	.2542	556.9	.2080-02
36	1.0000	16.000	.99773-01	.1152	.1249	52.33	5.221	.2537	555.7	.2176-02
36	1.0000	17.000	.10844	.1252	.1357	52.37	5.679	.2532	554.6	.2365-02
36	1.0000	18.000	.10493	.1212	.1313	52.35	5.493	.2534	555.1	.2288-02
36	1.0000	19.000	.10030	.1158	.1255	52.38	5.254	.2530	554.2	.2187-02
36	1.0000	21.000	.70252-01	.8113-01	.8794-01	52.29	3.674	.2541	556.7	.1532-02
36	1.0000	22.000	.85695-01	.9895-01	.1072	52.33	4.485	.2536	555.5	.1869-02
36	1.0000	23.000	.87359-01	.1009	.1093	52.38	4.576	.2530	554.1	.1905-02

OH58 FUSELAGE/ELEVON-HEATING ELEVON (R2XA31)

RUN NUMBER	DIM DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
36	1.0000	24.000	.94589-01	.1092	.1184	52.35	4.952	.2534	555.0	.2063-02
36	1.0000	25.000	.95089-01	.1098	.1190	52.39	4.982	.2528	553.8	.2074-02
36	1.0000	27.000	.23593-02	.2724-02	.2952-02	52.38	.1236	.2530	554.2	.5145-04
36	1.0000	28.000	.26536-02	.3063-02	.3320-02	52.43	.1391	.2524	552.8	.5786-04
36	1.0000	29.000	.24499-02	.2828-02	.3064-02	52.45	.1285	.2520	552.1	.5342-04
36	1.0000	30.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
36	1.0000	31.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
36	1.0000	32.000	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 ELEVON/ELEVON-HEATING FLAT PLATE (R2XB01)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = .0000 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
1	30.00	.0000	7.300	.5360+06	189.8	1901.	477.1	.3297-01	170.6	.1622-04	4673.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
1	.0000	.7593-01

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
1	-.25000	7.5500	86.000	.1031	.1196	.1300	26.22	2.703	.2761	549.0	.3722-02
1	.00000	.90000	75.000	.2429	.2818	.3064	26.22	6.369	.2760	548.9	.8771-02
1	.00000	1.5000	76.000	.1890	.2193	.2384	26.22	4.957	.2760	548.7	.6826-02
1	.00000	1.8750	77.000	.1684	.1953	.2124	26.23	4.416	.2758	548.4	.6080-02
1	.00000	3.0000	78.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1	.00000	3.9000	79.000	.1273	.1477	.1606	26.23	3.340	.2758	548.5	.4598-02
1	.00000	5.8500	80.000	.1015	.1178	.1280	26.24	2.664	.2756	548.1	.3666-02
1	.00000	6.3000	84.000	.8564-01	.9937-01	.1080	26.21	2.245	.2762	549.2	.3093-02
1	.00000	6.9000	85.000	.8860-01	.1028	.1118	26.22	2.323	.2761	549.0	.3199-02
1	.00000	7.5500	87.000	.1144	.1328	.1443	26.21	2.999	.2762	549.2	.4131-02
1	.25000	7.5500	88.000	.1312	.1523	.1655	26.22	3.441	.2760	548.8	.4739-02

OH58 ELEVON/ELEVON-HEATING FLAT PLATE (R2XB02)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = 5.000 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
6	30.00	.0000	7.300	.4781+06	193.4	2047.	517.4	.3311-01	185.0	.1502-04	4866.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
6	.0000	.7663+01

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
6	-.25000	7.5500	86.000	.1070	.1235	.1338	29.73	3.181	.2502	539.5	.4023-02
6	.00000	.90000	75.000	.2339	.2698	.2923	29.73	6.954	.2500	539.1	.8792-02
6	.00000	1.5000	76.000	.1825	.2106	.2282	29.73	5.428	.2500	539.2	.6862-02
6	.00000	1.8750	77.000	.1916	.2211	.2395	29.74	5.699	.2499	538.8	.7203-02
6	.00000	3.0000	78.000	.1609	.1857	.2011	29.74	4.785	.2499	538.9	.6049-02
6	.00000	3.9000	79.000	.1603	.1850	.2004	29.73	4.765	.2502	539.5	.6026-02
6	.00000	5.8500	80.000	.1086	.1253	.1358	29.73	3.229	.2501	539.3	.4083-02
6	.00000	6.3000	84.000	.9103-01	.1050	.1138	29.72	2.705	.2503	539.7	.3422-02
6	.00000	6.9000	85.000	.9391-01	.1084	.1174	29.73	2.791	.2502	539.6	.3530-02
6	.00000	7.5500	87.000	.1245	.1436	.1556	29.73	3.700	.2502	539.6	.4679-02
6	.25000	7.5500	88.000	.1377	.1589	.1721	29.73	4.093	.2502	539.4	.5175-02

OH58 ELEVON/ELEVON-HEATING FLAT PLATE (R2XB03)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = -10.00 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
11	30.00	.0000	7.300	.5490+06	203.0	1947.	489.8	.3510-01	175.1	.1682-04	4734.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
11	.0000	.7852-01

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
11	-.25000	7.5500	86.000	.1021	.1184	.1285	28.08	2.868	.2696	550.3	.3625-02
11	.00000	.90000	75.000	.2231	.2585	.2807	28.09	6.266	.2693	549.8	.7916-02
11	.00000	1.5000	76.000	.1727	.2001	.2173	28.10	4.853	.2691	549.3	.6129-02
11	.00000	1.8750	77.000	.1851	.2145	.2330	28.09	5.201	.2692	549.5	.6570-02
11	.00000	3.0000	78.000	.1560	.1807	.1962	28.10	4.382	.2691	549.3	.5534-02
11	.00000	3.9000	79.000	.1552	.1798	.1953	28.08	4.358	.2694	549.9	.5507-02
11	.00000	5.8500	80.000	.1043	.1208	.1312	28.09	2.929	.2694	549.8	.3701-02
11	.00000	6.3000	84.000	.8765-01	.1016	.1103	28.07	2.461	.2697	550.4	.3111-02
11	.00000	6.9000	85.000	.9029-01	.1046	.1136	28.08	2.535	.2696	550.3	.3204-02
11	.00000	7.5500	87.000	.1156	.1339	.1454	28.07	3.244	.2696	550.4	.4101-02
11	.25000	7.5500	88.000	.1286	.1490	.1619	28.08	3.612	.2696	550.3	.4565-02

OH58 ELEVON/ELEVON-HEATING FLAT PLATE (R2X804)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = .0000 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
2	30.00	.0000	7.300	.8205+06	292.6	1908.	479.1	.5079-01	171.3	.2488-04	4683.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
2	.0000	.9427-01

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
2	-.25000	7.5500	86.000	.9935-01	.1152	.1252	32.78	3.257	.2739	547.0	.2897-02
2	.00000	.90000	75.000	.2324	.2697	.2932	32.65	7.588	.2767	552.5	.6778-02
2	.00000	1.5000	76.000	.1827	.2120	.2305	32.68	5.972	.2761	551.2	.5329-02
2	.00000	1.8750	77.000	.1598	.1854	.2015	32.70	5.226	.2756	550.4	.4660-02
2	.00000	3.0000	78.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2	.00000	3.9000	79.000	.1257	.1458	.1584	32.79	4.123	.2737	546.6	.3665-02
2	.00000	5.8500	80.000	.9858-01	.1143	.1243	32.79	3.232	.2739	546.9	.2874-02
2	.00000	6.3000	84.000	.8351-01	.9684-01	.1052	32.81	2.740	.2734	545.9	.2435-02
2	.00000	6.9000	85.000	.8720-01	.1011	.1099	32.79	2.860	.2738	546.7	.2542-02
2	.00000	7.5500	87.000	.1215	.1410	.1532	32.78	3.984	.2740	547.0	.3544-02
2	.25000	7.5500	88.000	.1545	.1792	.1948	32.79	5.068	.2738	546.7	.4506-02

OH58 ELEVON/ELEVON-HEATING FLAT PLATE (R2XB05)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = 5.000 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
9	30.00	.0000	7.300	.7756+06	296.6	1984.	499.9	.5110-01	178.7	.2399-04	4783.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
9	.0000	.9491-01

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
9	-.25000	7.5500	86.000	.1061	.1228	.1333	34.86	3.699	.2649	551.9	.3156-02
9	.00000	.90000	75.000	.2272	.2629	.2854	34.88	7.922	.2646	551.3	.6754-02
9	.00000	1.5000	76.000	.1774	.2054	.2229	34.86	6.186	.2648	551.7	.5276-02
9	.00000	1.8750	77.000	.1901	.2200	.2387	34.88	6.630	.2644	550.9	.5651-02
9	.00000	3.0000	78.000	.1645	.1904	.2066	34.88	5.737	.2646	551.3	.4891-02
9	.00000	3.9000	79.000	.1656	.1917	.2080	34.86	5.772	.2649	552.0	.4924-02
9	.00000	5.8500	80.000	.1082	.1253	.1360	34.87	3.774	.2648	551.7	.3218-02
9	.00000	6.3000	84.000	.9090-01	.1052	.1142	34.85	3.167	.2652	552.5	.2703-02
9	.00000	6.9000	85.000	.9383-01	.1086	.1179	34.85	3.270	.2650	552.2	.2790-02
9	.00000	7.5500	87.000	.1321	.1529	.1660	34.85	4.605	.2650	552.2	.3929-02
9	.25000	7.5500	88.000	.1513	.1751	.1901	34.85	5.272	.2650	552.2	.4498-02

OH58 ELEVON/ELEVON-HEATING FLAT PLATE (R2XB06)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = -10.00 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
12	30.00	.0000	7.300	.7599+06	287.9	1974.	497.1	.4965-01	177.7	.2344-04	4770.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
12	.0000	.9351-01

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
12	-.25000	7.5500	86.000	.1031	.1194	.1296	34.15	3.522	.2651	549.2	.3101-02
12	.00000	.90000	75.000	.2236	.2588	.2809	34.16	7.638	.2649	548.7	.6724-02
12	.00000	1.5000	76.000	.1706	.1972	.2140	34.37	5.862	.2605	539.8	.5126-02
12	.00000	1.8750	77.000	.1880	.2176	.2362	34.18	6.425	.2645	547.9	.5653-02
12	.00000	3.0000	78.000	.1620	.1875	.2035	34.18	5.537	.2644	547.8	.4871-02
12	.00000	3.9000	79.000	.1632	.1888	.2050	34.16	5.574	.2648	548.6	.4906-02
12	.00000	5.8500	80.000	.1070	.1238	.1344	34.16	3.653	.2648	548.7	.3216-02
12	.00000	6.3000	84.000	.9049-01	.1047	.1137	34.15	3.090	.2651	549.2	.2721-02
12	.00000	6.9000	85.000	.9277-01	.1074	.1166	34.15	3.168	.2651	549.3	.2790-02
12	.00000	7.5500	87.000	.1232	.1426	.1548	34.14	4.206	.2652	549.4	.3704-02
12	.25000	7.5500	88.000	.1402	.1623	.1761	34.14	4.786	.2652	549.5	.4216-02

OH58 ELEVON/ELEVON-HEATING FLAT PLATE (R2XB07)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = .0000 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
4	30.00	.0000	7.300	.9554+06	388.2	2052.	518.8	.6643-01	185.5	.3006-04	4873.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
4	.0000	.1086

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
4	-.25000	7.5500	86.000	.1033	.1194	.1294	41.80	4.318	.2572	556.0	.2748-02
4	.00000	.90000	75.000	.2246	.2596	.2815	41.82	9.395	.2569	555.3	.5976-02
4	.00000	1.5000	76.000	.1743	.2014	.2183	41.82	7.289	.2568	555.3	.4636-02
4	.00000	1.8750	77.000	.1544	.1784	.1935	41.84	6.462	.2566	554.8	.4108-02
4	.00000	3.0000	78.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
4	.00000	3.9000	79.000	.1222	.1412	.1531	41.81	5.109	.2571	555.9	.3251-02
4	.00000	5.8500	80.000	.1103	.1274	.1381	41.81	4.610	.2571	555.8	.2933-02
4	.00000	6.3000	84.000	.1084	.1252	.1358	41.79	4.528	.2574	556.5	.2883-02
4	.00000	6.9000	85.000	.1309	.1513	.1641	41.79	5.473	.2574	556.4	.3483-02
4	.00000	7.5500	87.000	.1832	.2117	.2295	41.79	7.656	.2573	556.4	.4873-02
4	.25000	7.5500	88.000	.2633	.3043	.3299	41.79	11.00	.2573	556.4	.7005-02

OH58 ELEVON/ELEVON-HEATING FLAT PLATE (R2XB08)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = 5.000 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
10	30.00	.0000	7.300	.9634+06	394.9	2062.	521.5	.6751-01	186.4	.3038-04	4886.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
10	.0000	.1095

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
10	-.25000	7.5500	86.000	.1098	.1269	.1377	42.36	4.653	.2574	559.5	.2908-02
10	.00000	.90000	75.000	.2310	.2670	.2895	42.38	9.791	.2571	558.7	.6114-02
10	.00000	1.5000	76.000	.1827	.2111	.2289	42.39	7.746	.2569	558.5	.4836-02
10	.00000	1.8750	77.000	.1953	.2256	.2446	42.40	8.279	.2568	558.2	.5168-02
10	.00000	3.0000	78.000	.1734	.2004	.2173	42.39	7.351	.2570	558.5	.4590-02
10	.00000	3.9000	79.000	.1770	.2045	.2218	42.36	7.497	.2575	559.6	.4685-02
10	.00000	5.8500	80.000	.1138	.1316	.1427	42.36	4.822	.2575	559.7	.3013-02
10	.00000	6.3000	84.000	.9565-01	.1105	.1199	42.34	4.050	.2577	560.1	.2532-02
10	.00000	6.9000	85.000	.9893-01	.1143	.1240	42.35	4.190	.2576	559.9	.2619-02
10	.00000	7.5500	87.000	.1431	.1654	.1794	42.35	6.062	.2576	559.9	.3789-02
10	.25000	7.5500	88.000	.1696	.1960	.2126	42.35	7.184	.2576	559.9	.4490-02

OH58 ELEVON/ELEVON-HEATING FLAT PLATE (R2XB09)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = -10.00 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
13	30.00	.0000	7.300	.1046+07	384.4	1941.	488.1	.6651-01	174.5	.3199-04	4727.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
13	.0000	.1081

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
13	-.25000	7.5500	86.000	.1059	.1228	.1334	38.30	4.056	.2734	556.2	.2726-02
13	.00000	.90000	75.000	.2234	.2590	.2815	38.29	8.552	.2736	556.7	.5751-02
13	.00000	1.5000	76.000	.1683	.1950	.2119	38.38	6.457	.2720	553.3	.4331-02
13	.00000	1.8750	77.000	.1911	.2216	.2408	38.31	7.321	.2732	555.7	.4919-02
13	.00000	3.0000	78.000	.1685	.1954	.2123	38.32	6.456	.2730	555.5	.4337-02
13	.00000	3.9000	79.000	.1725	.2000	.2173	38.31	6.607	.2732	555.8	.4440-02
13	.00000	5.8500	80.000	.1108	.1285	.1396	38.31	4.246	.2732	555.7	.2853-02
13	.00000	6.3000	84.000	.9441-01	.1095	.1190	38.30	3.616	.2734	556.2	.2431-02
13	.00000	6.9000	85.000	.9836-01	.1141	.1239	38.30	3.767	.2734	556.2	.2532-02
13	.00000	7.5500	87.000	.1426	.1653	.1796	38.29	5.459	.2735	556.4	.3670-02
13	.25000	7.5500	88.000	.1642	.1904	.2069	38.30	6.289	.2734	556.2	.4227-02

OH58 ELEVON/ELEVON-HEATING FLAT PLATE (R2XB10)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = .0000 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
17	40.00	.0000	7.300	.5126+06	200.2	2008.	506.5	.3442-01	181.1	.1595-04	4815.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
17	.0000	.7798-01

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
17	-.25000	5.7500	86.000	.1640	.1895	.2056	29.23	4.793	.2595	547.8	.5980-02
17	.00000	.90000	75.000	.2540	.2937	.3186	29.23	7.425	.2597	548.2	.9266-02
17	.00000	1.5000	76.000	.1990	.2301	.2496	29.22	5.815	.2599	548.7	.7260-02
17	.00000	1.8750	77.000	.2271	.2626	.2848	29.24	6.641	.2594	547.5	.8284-02
17	.00000	3.0000	78.000	.9366-02	.1082-01	.1173-01	29.40	.2754	.2556	539.6	.3415-03
17	.00000	4.5000	84.000	.2726	.3152	.3419	29.23	7.970	.2596	547.9	.9945-02
17	.00000	5.1000	85.000	.1544	.1786	.1937	29.23	4.514	.2596	548.0	.5633-02
17	.00000	5.7500	87.000	.2070	.2393	.2596	29.23	6.051	.2596	548.1	.7551-02
17	.25000	5.7500	88.000	.2202	.2546	.2761	29.23	6.435	.2597	548.2	.8032-02

OH58 ELEVON/ELEVON-HEATING FLAT PLATE (R2XB11)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = 5.000 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
20	40.00	.0000	7.300	.5323+06	197.5	1951.	490.9	.3414-01	175.5	.1633-04	4740.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
20	.0000	.7746-01

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
20	-.25000	5.7500	86.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
20	.00000	.90000	75.000	.2622	.3034	.3294	27.96	7.331	.2646	541.3	.9440-02
20	.00000	1.5000	76.000	.2075	.2402	.2607	27.95	5.801	.2648	541.7	.7471-02
20	.00000	1.8750	77.000	.2348	.2717	.2949	27.97	6.567	.2644	540.9	.8453-02
20	.00000	3.0000	78.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
20	.00000	4.5000	84.000	.2758	.3192	.3465	27.96	7.712	.2646	541.4	.9931-02
20	.00000	5.1000	85.000	.1610	.1863	.2023	27.96	4.502	.2646	541.3	.5797-02
20	.00000	5.7500	87.000	.5388-02	.6234-02	.6764-02	28.04	.1511	.2628	537.6	.1939-03
20	.25000	5.7500	88.000	.2363	.2735	.2969	27.96	6.608	.2646	541.3	.8509-02

OH58 ELEVON/ELEVON-HEATING FLAT PLATE (R2XB12)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = -10.00 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
14	40.00	.0000	7.300	.5445+06	203.8	1960.	493.4	.3519-01	176.4	.1674-04	4752.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
14	.0000	.7867-01

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
14	-.25000	5.7500	86.000	.1632	.1888	.2049	28.61	4.668	.2630	540.8	.5803-02
14	.00000	.90000	75.000	.2523	.2920	.3168	28.60	7.218	.2631	541.1	.8973-02
14	.00000	1.5000	76.000	.1966	.2275	.2469	28.61	5.625	.2630	540.8	.6992-02
14	.00000	1.8750	77.000	.2243	.2595	.2816	28.62	6.420	.2628	540.4	.7977-02
14	.00000	3.0000	78.000	.1874	.2168	.2353	28.62	5.364	.2627	540.1	.6664-02
14	.00000	4.5000	84.000	.2645	.3061	.3321	28.61	7.569	.2629	540.7	.9407-02
14	.00000	5.1000	85.000	.1515	.1753	.1903	28.61	4.336	.2630	540.8	.5389-02
14	.00000	5.7500	87.000	.2068	.2393	.2597	28.61	5.916	.2630	540.9	.7355-02
14	.25000	5.7500	88.000	.2247	.2600	.2822	28.61	6.429	.2630	540.9	.7992-02

OH58 ELEVON/ELEVON-HEATING FLAT PLATE (R2XB13)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = -10.00 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
15	40.00	.0000	7.300	.7652+06	296.6	1999.	504.1	.5102-01	180.2	.2376-04	4803.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
15	.0000	.9491-01

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
15	-.25000	5.7500	86.000	.1731	.2002	.2172	35.37	6.124	.2604	547.0	.5173-02
15	.00000	.90000	75.000	.2584	.2988	.3242	35.37	9.140	.2604	547.1	.7722-02
15	.00000	1.5000	76.000	.2039	.2357	.2557	35.36	7.209	.2605	547.3	.6091-02
15	.00000	1.8750	77.000	.2325	.2689	.2917	35.39	8.229	.2601	546.4	.6948-02
15	.00000	3.0000	78.000	.2054	.2375	.2576	35.38	7.265	.2602	546.7	.6136-02
15	.00000	4.5000	84.000	.2962	.3425	.3716	35.36	10.47	.2606	547.5	.8851-02
15	.00000	5.1000	85.000	.1639	.1896	.2056	35.36	5.797	.2605	547.2	.4898-02
15	.00000	5.7500	87.000	.2369	.2740	.2972	35.36	8.379	.2605	547.3	.7080-02
15	.25000	5.7500	88.000	.2395	.2769	.3004	35.36	8.467	.2606	547.4	.7155-02

OH58 ELEVON/ELEVON-HEATING FLAT PLATE (R2XB14)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = .0000 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
18	40.00	.0000	7.300	.9797+06	389.1	2026.	511.6	.6675-01	182.9	.3063-04	4839.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
18	.0000	.1087

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
18	-.25000	5.7500	86.000	.1768	.2044	.2218	41.07	7.260	.2609	556.3	.4657-02
18	.00000	.90000	75.000	.2451	.2835	.3076	41.07	10.07	.2610	556.5	.6458-02
18	.00000	1.5000	76.000	.1937	.2240	.2430	41.05	7.951	.2612	556.9	.5102-02
18	.00000	1.8750	77.000	.2255	.2608	.2829	41.09	9.266	.2606	555.6	.5940-02
18	.00000	3.0000	78.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
18	.00000	4.5000	84.000	.3161	.3656	.3966	41.06	12.98	.2610	556.6	.8327-02
18	.00000	5.1000	85.000	.1745	.2018	.2190	41.07	7.168	.2609	556.4	.4598-02
18	.00000	5.7500	87.000	.2608	.3016	.3272	41.07	10.71	.2610	556.4	.6870-02
18	.25000	5.7500	88.000	.2855	.3302	.3582	41.07	11.73	.2609	556.3	.7521-02

OH58 ELEVON/ELEVON-HEATING FLAT PLATE (R2XB15)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = 5.000 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
21	40.00	.0000	7.300	.1007+07	388.5	1994.	502.8	.6687-01	179.7	.3122-04	4797.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
21	.0000	.1086

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
21	-.25000	5.7500	86.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
21	.00000	.90000	75.000	.2544	.2944	.3195	40.14	10.21	.2646	554.5	.6633-02
21	.00000	1.5000	76.000	.2011	.2328	.2527	40.11	8.067	.2650	555.4	.5245-02
21	.00000	1.8750	77.000	.2331	.2697	.2927	40.17	9.361	.2642	553.5	.6077-02
21	.00000	3.0000	78.000	.1856	.2148	.2331	40.16	7.453	.2642	553.6	.4839-02
21	.00000	4.5000	84.000	.3251	.3763	.4084	40.15	13.05	.2645	554.2	.8479-02
21	.00000	5.1000	85.000	.1843	.2133	.2315	40.15	7.398	.2644	554.1	.4805-02
21	.00000	5.7500	87.000	.1053-01	.1217-01	.1320-01	40.51	.4266	.2582	541.0	.2744-03
21	.25000	5.7500	88.000	.3044	.3523	.3824	40.16	12.22	.2643	553.9	.7938-02

OH58 ELEVON/ELEVON-HEATING FLAT PLATE (R2X8I6)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = -10.00 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
16	40.00	.0000	7.300	.9443+06	394.1	2083.	527.3	.6724-01	188.5	.2993-04	4913.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
16	.0000	.1094

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
16	-.25000	5.7500	86.000	.1722	.1989	.2156	42.94	7.397	.2547	559.7	.4595-02
16	.00000	.90000	75.000	.2503	.2891	.3134	42.95	10.75	.2546	559.4	.6678-02
16	.00000	1.5000	76.000	.1988	.2296	.2489	42.95	8.539	.2547	559.6	.5304-02
16	.00000	1.8750	77.000	.2292	.2647	.2869	42.98	9.849	.2542	558.6	.6113-02
16	.00000	3.0000	78.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
16	.00000	4.5000	84.000	.3187	.3681	.3990	42.94	13.69	.2547	559.7	.8502-02
16	.00000	5.1000	85.000	.1767	.2041	.2213	42.94	7.588	.2548	559.9	.4715-02
16	.00000	5.7500	87.000	.2624	.3031	.3285	42.93	11.27	.2549	560.1	.7000-02
16	.25000	5.7500	88.000	.2884	.3331	.3611	42.93	12.38	.2548	560.0	.7695-02

OH58 ELEVON/ELEVON-HEATING FLAT PLATE (R2XB17)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = .0000 RN/L = 3.000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
19	40.00	.0000	7.300	.2801+07	1160.	2074.	524.7	.1980	187.6	.8859-04	4901.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
19	.0000	.1876

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
19	-.25000	5.7500	86.000	.5158	.5962	.6465	72.96	37.63	.2581	564.4	.7999-02
19	.00000	.90000	75.000	.2326	.2688	.2915	72.97	16.97	.2579	564.1	.3607-02
19	.00000	1.5000	76.000	.1999	.2311	.2506	72.96	14.59	.2581	564.4	.3100-02
19	.00000	1.8750	77.000	.2390	.2761	.2994	73.04	17.45	.2574	562.8	.3705-02
19	.00000	3.0000	78.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
19	.00000	4.5000	84.000	.5448	.6297	.6829	72.96	39.75	.2581	564.4	.8449-02
19	.00000	5.1000	85.000	.4821	.5572	.6043	72.93	35.15	.2584	565.1	.7476-02
19	.00000	5.7500	87.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
19	.25000	5.7500	88.000	.5708	.6598	.7156	72.91	41.62	.2585	565.2	.8852-02

OH58 FUSELAGE/ELEVON-HEATING FLAT PLATE (R2XB18)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
31	30.00	.0000	7.300	.5082+06	195.9	1993.	502.4	.3373-01	179.6	.1576-04	4795.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
31	.0000	.7714-01

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
31	-.25000	14.150	86.000	.7159-01	.8286-01	.8994-01	28.48	2.039	.2648	554.4	.2628-02
31	.00000	.90000	75.000	.2353	.2724	.2958	28.40	6.682	.2667	558.4	.8637-02
31	.00000	1.5000	76.000	.1826	.2115	.2296	28.38	5.184	.2671	559.3	.6705-02
31	.00000	1.8750	77.000	.1605	.1859	.2018	28.42	4.562	.2663	557.6	.5894-02
31	.00000	3.0000	78.000	.1383	.1601	.1738	28.42	3.930	.2663	557.6	.5076-02
31	.00000	3.6000	81.000	.1340	.1551	.1684	28.41	3.805	.2665	558.0	.4917-02
31	.00000	7.2000	82.000	.9030-01	.1046	.1135	28.41	2.565	.2665	558.1	.3315-02
31	.00000	10.800	83.000	.7397-01	.8564-01	.9297-01	28.43	2.103	.2660	557.0	.2715-02
31	.00000	12.900	84.000	.5754-01	.6661-01	.7230-01	28.47	1.638	.2651	555.1	.2112-02
31	.00000	13.500	85.000	.5787-01	.6699-01	.7271-01	28.47	1.648	.2650	554.9	.2124-02
31	.00000	14.150	87.000	.8532-01	.9875-01	.1072	28.48	2.430	.2648	554.5	.3131-02
31	.25000	14.150	88.000	.9264-01	.1072	.1164	28.48	2.638	.2649	554.7	.3400-02

OH58 FUSELAGE/ELEVON-HEATING FLAT PLATE (R2XB19)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
30	30.00	.0000	7.300	.4946+06	192.2	2002.	504.9	.3305-01	180.5	.1537-04	4807.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
30	.0000	.7640-01

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
30	-.25000	14.150	86.000	.4170-01	.4826-01	.5237-01	28.37	1.183	.2639	555.3	.1550-02
30	.00000	.90000	75.000	.2336	.2703	.2934	28.34	6.619	.2647	556.9	.8683-02
30	.00000	1.5000	76.000	.1829	.2116	.2297	28.34	5.182	.2647	556.9	.6798-02
30	.00000	1.8750	77.000	.1586	.1836	.1992	28.35	4.497	.2644	556.2	.5896-02
30	.00000	3.0000	78.000	.1379	.1596	.1732	28.35	3.909	.2644	556.4	.5126-02
30	.00000	3.6000	81.000	.1337	.1547	.1679	28.33	3.787	.2648	557.2	.4969-02
30	.00000	7.2000	82.000	.8873-01	.1027	.1115	28.32	2.513	.2652	558.0	.3299-02
30	.00000	10.800	83.000	.7394-01	.8558-01	.9290-01	28.32	2.094	.2651	557.7	.2749-02
30	.00000	12.900	84.000	.5696-01	.6592-01	.7155-01	28.35	1.615	.2643	556.1	.2117-02
30	.00000	13.500	85.000	.5343-01	.6183-01	.6711-01	28.36	1.515	.2642	555.9	.1986-02
30	.00000	14.150	87.000	.5546-01	.6418-01	.6966-01	28.37	1.573	.2640	555.5	.2062-02
30	.25000	14.150	88.000	.8132-01	.9410-01	.1021	28.37	2.307	.2641	555.6	.3023-02

OH58 FUSELAGE/ELEVON-HEATING FLAT PLATE (R2XB20)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
33	30.00	.0000	7.300	.4884+06	190.0	2003.	505.2	.3267-01	180.6	.1518-04	4809.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
33	.0000	.7596-01

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
33	-.25000	14.150	86.000	.7192-01	.8319-01	.9026-01	28.31	2.036	.2621	551.8	.2689-02
33	.00000	.90000	75.000	.2316	.2681	.2909	28.23	6.538	.2640	556.0	.8664-02
33	.00000	1.5000	76.000	.1799	.2081	.2259	28.23	5.077	.2640	555.9	.6727-02
33	.00000	1.8750	77.000	.1592	.1842	.1999	28.24	4.496	.2636	555.1	.5953-02
33	.00000	3.0000	78.000	.1369	.1584	.1719	28.25	3.867	.2636	555.0	.5120-02
33	.00000	3.6000	81.000	.1336	.1545	.1677	28.23	3.771	.2639	555.6	.4995-02
33	.00000	7.2000	82.000	.8796-01	.1018	.1105	28.24	2.484	.2637	555.3	.3290-02
33	.00000	10.800	83.000	.7322-01	.8471-01	.9193-01	28.26	2.069	.2632	554.2	.2738-02
33	.00000	12.900	84.000	.5560-01	.6433-01	.6980-01	28.29	1.573	.2625	552.7	.2079-02
33	.00000	13.500	85.000	.5610-01	.6490-01	.7043-01	28.29	1.587	.2624	552.6	.2098-02
33	.00000	14.150	87.000	.8301-01	.9603-01	.1042	28.30	2.349	.2622	552.1	.3104-02
33	.25000	14.150	88.000	.8728-01	.1010	.1096	28.30	2.470	.2622	552.2	.3264-02

OH58 FUSELAGE/ELEVON-HEATING FLAT PLATE (R2X821)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
32	30.00	.0000	7.300	.7785+06	292.5	1965.	494.6	.5049-01	176.8	.2396-04	4758.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
32	.0000	.9426-01

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
32	-.25000	14.150	86.000	.1708	.1978	.2148	34.17	5.838	.2667	549.9	.5081-02
32	.00000	.90000	75.000	.2209	.2558	.2778	34.15	7.544	.2673	550.9	.6571-02
32	.00000	1.5000	76.000	.1710	.1980	.2150	34.15	5.840	.2672	550.8	.5086-02
32	.00000	1.8750	77.000	.1483	.1718	.1865	34.17	5.068	.2668	550.0	.4412-02
32	.00000	3.0000	78.000	.1308	.1515	.1645	34.16	4.470	.2669	550.2	.3892-02
32	.00000	3.6000	81.000	.1288	.1492	.1619	34.16	4.399	.2671	550.6	.3831-02
32	.00000	7.2000	82.000	.8830-01	.1022	.1110	34.15	3.016	.2671	550.6	.2626-02
32	.00000	10.800	83.000	.1244	.1441	.1564	34.16	4.250	.2670	550.4	.3701-02
32	.00000	12.900	84.000	.1540	.1783	.1936	34.17	5.263	.2668	549.9	.4581-02
32	.00000	13.500	85.000	.1682	.1948	.2115	34.17	5.749	.2667	549.9	.5003-02
32	.00000	14.150	87.000	.2124	.2460	.2670	34.18	7.260	.2666	549.6	.6318-02
32	.25000	14.150	88.000	.2283	.2643	.2870	34.18	7.802	.2666	549.6	.6789-02

OH58 FUSELAGE/ELEVON-HEATING FLAT PLATE (R2XB22)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
28	30.00	.0000	7.300	.7867+06	289.7	1943.	488.7	.5012-01	174.7	.2408-04	4729.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
28	.0000	.9381-01

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
28	-.25000	14.150	86.000	.1746	.2024	.2199	33.37	5.827	.2717	553.3	.5181-02
28	.00000	.90000	75.000	.2088	.2421	.2631	33.28	6.949	.2735	556.9	.6195-02
28	.00000	1.5000	76.000	.1617	.1876	.2038	33.28	5.382	.2736	557.1	.4800-02
28	.00000	1.8750	77.000	.1392	.1614	.1753	33.30	4.634	.2731	556.1	.4129-02
28	.00000	3.0000	78.000	.1239	.1436	.1561	33.29	4.124	.2732	556.5	.3675-02
28	.00000	3.6000	81.000	.1211	.1404	.1526	33.28	4.030	.2735	557.0	.3593-02
28	.00000	7.2000	82.000	.8515-01	.9874-01	.1073	33.28	2.834	.2735	557.0	.2527-02
28	.00000	10.800	83.000	.1376	.1595	.1734	33.31	4.583	.2730	555.9	.4083-02
28	.00000	12.900	84.000	.1692	.1962	.2132	33.35	5.643	.2722	554.3	.5021-02
28	.00000	13.500	85.000	.1827	.2118	.2301	33.35	6.092	.2721	554.2	.5420-02
28	.00000	14.150	87.000	.2216	.2569	.2791	33.37	7.395	.2717	553.3	.6575-02
28	.25000	14.150	88.000	.2342	.2714	.2949	33.36	7.813	.2718	553.5	.6947-02

OH58 FUSELAGE/ELEVON-HEATING FLAT PLATE (R2XB23)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
34	30.00	.0000	7.300	.7970+06	293.4	1942.	488.5	.5075-01	174.6	.2439-04	4728.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
34	.0000	.9440-01

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
34	-.25000	14.150	86.000	.2287	.2651	.2880	33.57	7.677	.2715	552.8	.6740-02
34	.00000	.90000	75.000	.2176	.2523	.2742	33.49	7.287	.2732	556.2	.6415-02
34	.00000	1.5000	76.000	.1679	.1947	.2115	33.49	5.622	.2733	556.3	.4950-02
34	.00000	1.8750	77.000	.1458	.1691	.1837	33.51	4.887	.2728	555.3	.4299-02
34	.00000	3.0000	78.000	.1292	.1498	.1628	33.50	4.330	.2730	555.7	.3810-02
34	.00000	3.6000	81.000	.1276	.1480	.1608	33.49	4.275	.2732	556.3	.3763-02
34	.00000	7.2000	82.000	.9133-01	.1059	.1151	33.49	3.059	.2732	556.2	.2693-02
34	.00000	10.800	83.000	.1528	.1771	.1925	33.52	5.121	.2727	555.1	.4504-02
34	.00000	12.900	84.000	.1930	.2237	.2430	33.56	6.475	.2719	553.5	.5688-02
34	.00000	13.500	85.000	.2120	.2457	.2670	33.56	7.115	.2718	553.2	.6249-02
34	.00000	14.150	87.000	.2549	.2954	.3210	33.58	8.559	.2714	552.5	.7513-02
34	.25000	14.150	88.000	.2571	.2980	.3237	33.57	8.631	.2715	552.3	.7578-02

OH58 FUSELAGE/ELEVON-HEATING FLAT PLATE (R2X824)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	V,NF FT/SEC	SCALE
24	30.00	.0000	7.300	.7711+06	289.3	1963.	494.2	.4995-01	176.7	.2373-04	4756.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
24	.0000	.9374-01

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
24	-.25000	14.150	86.000	.1099	.12[illegible]	.1382	33.87	3.721	.2684	552.9	.3284-02
24	.00000	.90000	75.000	.2180	.2526	.2744	33.82	7.373	.2695	555.1	.6519-02
24	.00000	1.5000	76.000	.1700	.1970	.2140	33.82	5.751	.2695	555.1	.5084-02
24	.00000	1.8750	77.000	.1485	.1720	.1868	33.84	5.024	.2691	554.3	.4439-02
24	.00000	3.0000	78.000	.1319	.1529	.1660	33.82	4.462	.2695	555.0	.3945-02
24	.00000	3.6000	81.000	.1330	.1541	.1674	33.81	4.497	.2697	555.5	.3977-02
24	.00000	7.2000	82.000	.8568-01	.9928-01	.1078	33.80	2.896	.2698	555.7	.2562-02
24	.00000	10.800	83.000	.9205-01	.1067	.1158	33.82	3.113	.2695	555.1	.2752-02
24	.00000	12.900	84.000	.1260	.1460	.1585	33.86	4.267	.2687	553.5	.3767-02
24	.00000	13.500	85.000	.1139	.1319	.1432	33.86	3.856	.2686	553.2	.3404-02
24	.00000	14.150	87.000	.1519	.1760	.1911	33.87	5.146	.2684	552.8	.4541-02
24	.25000	14.150	88.000	.1744	.2020	.2193	33.87	5.906	.2684	552.9	.5212-02

OH58 FUSELAGE/ELEVON-HEATING FLAT PLATE (R2X825)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
26	30.00	.0000	7.300	.7608+06	288.6	1975.	497.5	.4977-01	177.9	.2348-04	4772.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
26	.0000	.9363-01

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BT. FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
26	-.25000	14.150	86.000	.8071-01	.9353-01	.1016	33.95	2.740	.2706	561.1	.2427-02
26	.00000	.90000	75.000	.2257	.2617	.2843	33.82	7.632	.2731	566.3	.6788-02
26	.00000	1.5000	76.000	.1768	.2050	.2228	33.81	5.977	.2733	566.8	.5318-02
26	.00000	1.8750	77.000	.1814	.2103	.2285	33.84	6.138	.2728	565.6	.5457-02
26	.00000	3.0000	78.000	.1526	.1770	.1923	33.83	5.164	.2730	566.0	.4592-02
26	.00000	3.6000	81.000	.1587	.1840	.1999	33.82	5.366	.2731	566.2	.4773-02
26	.00000	7.2000	82.000	.9209-01	.1068	.1160	33.84	3.116	.2727	565.5	.2770-02
26	.00000	10.800	83.000	.8859-01	.1027	.1116	33.88	3.001	.2719	563.9	.2664-02
26	.00000	12.900	84.000	.9383-01	.1087	.1181	33.92	3.183	.2711	562.2	.2822-02
26	.00000	13.500	85.000	.9725-01	.1127	.1224	33.92	3.299	.2711	562.1	.2925-02
26	.00000	14.150	87.000	.1238	.1435	.1559	33.94	4.203	.2707	561.4	.3724-02
26	.25000	14.150	88.000	.1578	.1829	.1986	33.93	5.353	.2709	561.8	.4745-02

OH58 FUSELAGE/ELEVON-HEATING FLAT PLATE (R2XB26)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
25	30.00	.0000	7.300	.1031+07	389.5	1971.	496.2	.6720-01	177.4	.3179-04	4766.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
25	.0000	.1088

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
25	-.25000	14.150	86.000	.3238	.3752	.4075	39.36	12.75	.2701	558.5	.8366-02
25	.00000	.90000	75.000	.2227	.2581	.2805	39.26	8.743	.2719	562.3	.5755-02
25	.00000	1.5000	76.000	.1751	.2030	.2206	39.24	6.871	.2723	563.1	.4526-02
25	.00000	1.8750	77.000	.1697	.1967	.2137	39.29	6.666	.2714	561.4	.4385-02
25	.00000	3.0000	78.000	.1505	.1745	.1896	39.28	5.912	.2716	561.8	.3890-02
25	.00000	3.6000	81.000	.1519	.1761	.1914	39.26	5.965	.2719	562.4	.3927-02
25	.00000	7.2000	82.000	.1858	.2153	.2339	39.27	7.296	.2717	561.8	.4801-02
25	.00000	10.800	83.000	.3131	.3629	.3942	39.30	12.31	.2711	560.7	.8091-02
25	.00000	12.900	84.000	.2856	.3310	.3595	39.34	11.24	.2704	559.3	.7380-02
25	.00000	13.500	85.000	.3017	.3496	.3798	39.35	11.87	.2703	559.0	.7795-02
25	.00000	14.150	87.000	.3295	.3818	.4147	39.36	12.97	.2701	558.6	.8514-02
25	.25000	14.150	88.000	.3319	.3846	.4178	39.37	13.07	.2700	558.4	.8577-02

OH58 FUSELAGE/ELEVON-HEATING FLAT PLATE (R2XB27)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
29	30.00	.0000	7.300	.9799+06	393.6	2039.	515.1	.6744-01	184.2	.3073-04	4856.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
29	.0000	.1093

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
29	-.25000	14.150	86.000	.3328	.3846	.4170	41.78	13.90	.2577	553.2	.8752-02
29	.00000	.90000	75.000	.2240	.2590	.2809	41.72	9.346	.2586	555.3	.5893-02
29	.00000	1.5000	76.000	.1735	.2006	.2176	41.73	7.242	.2585	554.9	.4565-02
29	.00000	1.8750	77.000	.1485	.1716	.1861	41.74	6.198	.2583	554.5	.3905-02
29	.00000	3.0000	78.000	.1347	.1558	.1689	41.73	5.622	.2585	555.0	.3544-02
29	.00000	3.6000	81.000	.1341	.1550	.1681	41.70	5.590	.2589	555.9	.3526-02
29	.00000	7.2000	82.000	.2116	.2446	.2653	41.68	8.819	.2592	556.5	.5565-02
29	.00000	10.800	83.000	.3222	.3724	.4039	41.70	13.43	.2589	555.9	.8474-02
29	.00000	12.900	84.000	.3033	.3506	.3802	41.75	12.66	.2582	554.2	.7978-02
29	.00000	13.500	85.000	.3057	.3534	.3832	41.76	12.77	.2580	553.9	.8041-02
29	.00000	14.150	87.000	.3338	.3858	.4183	41.77	13.94	.2578	553.4	.8779-02
29	.25000	14.150	88.000	.3346	.3867	.4193	41.77	13.97	.2578	553.6	.8799-02

OH58 FUSELAGE/ELEVON-HEATING FLAT PLATE (R2XB28)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
35	30.00	.0000	7.300	.9764+06	391.2	2036.	514.4	.6706-01	183.9	.3060-04	4852.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
35	.0000	.1090

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
35	-.25000	14.150	86.000	.3241	.3747	.4064	41.49	13.45	.2595	556.3	.8543-02
35	.00000	.90000	75.000	.2217	.2564	.2781	41.44	9.188	.2603	558.0	.5845-02
35	.00000	1.5000	76.000	.1743	.2015	.2186	41.43	7.221	.2604	558.3	.4594-02
35	.00000	1.8750	77.000	.1477	.1708	.1853	41.46	6.126	.2599	557.2	.3894-02
35	.00000	3.0000	78.000	.1337	.1545	.1676	41.45	5.540	.2601	557.7	.3523-02
35	.00000	3.6000	81.000	.1321	.1528	.1657	41.42	5.471	.2607	558.8	.3482-02
35	.00000	7.2000	82.000	.1997	.2310	.2506	41.40	8.270	.2609	559.3	.5266-02
35	.00000	10.800	83.000	.3156	.3649	.3959	41.42	13.07	.2606	558.7	.8319-02
35	.00000	12.900	84.000	.2979	.3445	.3737	41.47	12.35	.2598	557.1	.7854-02
35	.00000	13.500	85.000	.2985	.3451	.3743	41.48	12.38	.2597	556.7	.7868-02
35	.00000	14.150	87.000	.3244	.3751	.4069	41.49	13.46	.2595	556.4	.8552-02
35	.25000	14.150	88.000	.3265	.3775	.4095	41.49	13.55	.2595	556.4	.8607-02

OH58 FUSELAGE/ELEVON-HEATING FLAT PLATE (R2X829)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = 1.500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
23	30.00	.0000	7.300	.1563+07	576.7	1945.	489.2	.9974-01	174.9	.4786-04	4732.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
23	.0000	.1324

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
23	-.25000	14.150	86.000	.3574	.4139	.4494	47.46	16.96	.2669	544.1	.7517-02
23	.00000	.90000	75.000	.2177	.2521	.2738	47.40	10.32	.2677	545.7	.4579-02
23	.00000	1.5000	76.000	.1697	.1965	.2134	47.41	8.044	.2675	545.4	.3569-02
23	.00000	1.8750	77.000	.1442	.1670	.1814	47.43	6.842	.2672	544.8	.3033-02
23	.00000	3.0000	78.000	.1448	.1677	.1821	47.43	6.868	.2673	544.9	.3046-02
23	.00000	3.6000	81.000	.1520	.1761	.1912	47.41	7.208	.2676	545.5	.3197-02
23	.00000	7.2000	82.000	.3722	.4311	.4681	47.39	17.64	.2678	546.0	.7829-02
23	.00000	10.800	83.000	.3620	.4192	.4552	47.41	17.16	.2675	545.4	.7614-02
23	.00000	12.900	84.000	.3558	.4120	.4473	47.44	16.88	.2671	544.6	.7482-02
23	.00000	13.500	85.000	.3291	.3812	.4139	47.44	15.61	.2672	544.7	.6922-02
23	.00000	14.150	87.000	.3524	.4080	.4430	47.45	16.72	.2670	544.4	.7411-02
23	.25000	14.150	88.000	.3619	.4191	.4551	47.45	17.18	.2669	544.2	.7612-02

OH58 FUSELAGE/ELEVON-HEATING FLAT PLATE (R2XB30)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = 1.500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
27	30.00	.0000	7.300	.1482+07	581.0	2012.	507.6	.9984-01	181.5	.4617-04	4820.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
27	.0000	.1328

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
27	-.25000	14.150	86.000	.3359	.3885	.4214	49.82	16.73	.2607	551.6	.7204-02
27	.00000	.90000	75.000	.2119	.2451	.2660	49.74	10.54	.2619	553.9	.4546-02
27	.00000	1.5000	76.000	.1659	.1919	.2082	49.75	8.253	.2617	553.6	.3558-02
27	.00000	1.8750	77.000	.1372	.1587	.1722	49.78	6.832	.2613	552.7	.2943-02
27	.00000	3.0000	78.000	.1459	.1687	.1831	49.78	7.263	.2613	552.7	.3129-02
27	.00000	3.6000	81.000	.1592	.1842	.1998	49.77	7.926	.2614	553.0	.3415-02
27	.00000	7.2000	82.000	.3720	.4302	.4667	49.78	18.52	.2612	552.6	.7977-02
27	.00000	10.800	83.000	.3473	.4017	.4358	49.80	17.30	.2610	552.1	.7449-02
27	.00000	12.900	84.000	.3310	.3828	.4153	49.82	16.49	.2608	551.7	.7099-02
27	.00000	13.500	85.000	.3187	.3686	.3998	49.81	15.88	.2608	551.7	.6835-02
27	.00000	14.150	87.000	.3449	.3988	.4327	49.83	17.18	.2606	551.4	.7396-02
27	.25000	14.150	88.000	.3494	.4040	.4383	49.83	17.41	.2606	551.3	.7492-02

OH58 FUSELAGE/ELEVON-HEATING FLAT PLATE (R2X831)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = 1.500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
36	30.00	.0000	7.300	.1414+07	587.1	2077.	525.6	.1002	187.9	.4476-04	4905.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
36	.0000	.1335

TEST DATA

RUN NUMBER	Y	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
36	-.25000	14.150	86.000	.3353	.3872	.4197	52.30	17.54	.2540	556.4	.7312-02
36	.00000	.90000	75.000	.2172	.2508	.2719	52.26	11.35	.2546	557.7	.4736-02
36	.00000	1.5000	76.000	.1710	.1975	.2140	52.25	8.933	.2547	558.0	.3729-02
36	.00000	1.8750	77.000	.1417	.1636	.1773	52.30	7.409	.2541	556.6	.3090-02
36	.00000	3.0000	78.000	.1451	.1676	.1817	52.28	7.587	.2543	557.0	.3165-02
36	.00000	3.6000	81.000	.1600	.1847	.2003	52.25	8.358	.2547	557.9	.3489-02
36	.00000	7.2000	82.000	.3656	.4223	.4578	52.20	19.09	.2553	559.4	.7975-02
36	.00000	10.800	83.000	.3467	.4005	.4342	52.23	18.11	.2550	558.6	.7563-02
36	.00000	12.900	84.000	.3335	.3852	.4175	52.28	17.44	.2544	557.2	.7274-02
36	.00000	13.500	85.000	.3155	.3643	.3949	52.28	16.49	.2543	557.1	.6881-02
36	.00000	14.150	87.000	.3382	.3906	.4234	52.29	17.69	.2542	556.8	.7377-02
36	.25000	14.150	88.000	.3457	.3992	.4327	52.30	18.08	.2540	556.4	.7539-02

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC18)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
31	30.00	.0000	7.300	.5082+06	195.9	1993.	502.4	.3373-01	179.6	.1576-04	4795.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
31	.0000	.7714-01

TEST DATA

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
31	.12500	.69000	43.000	.8499-01	.9835-01	.1067	28.52	2.424	.2638	552.3	.3119-02
31	.12500	1.0640	42.000	.1047	.1211	.1315	28.52	2.986	.2638	552.4	.3842-02
31	.12500	1.4370	41.000	.1112	.1286	.1396	28.53	3.172	.2635	551.9	.4079-02
31	.12500	2.2930	40.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
31	.12500	2.6990	39.000	.1207	.1396	.1515	28.53	3.443	.2635	551.7	.4428-02
31	.37500	.69000	49.000	.2513-01	.2908-01	.3156-01	28.51	.7165	.2640	552.7	.9222-03
31	.37500	1.0640	48.000	.3486-01	.4034-01	.4379-01	28.51	.9941	.2639	552.7	.1279-02
31	.37500	1.4370	47.000	.4042-01	.4678-01	.5076-01	28.52	1.153	.2638	552.4	.1483-02
31	.37500	2.2930	46.000	.5707-01	.6604-01	.7167-01	28.52	1.628	.2637	552.2	.2094-02
31	.37500	2.6990	45.000	.5513-01	.6382-01	.6928-01	28.45	1.568	.2656	556.1	.2023-02
31	.62500	.69000	55.000	.9982-02	.1155-01	.1254-01	28.52	.2847	.2638	552.4	.3663-03
31	.62500	1.0640	54.000	.1548-01	.1791-01	.1944-01	28.52	.4413	.2638	552.4	.5679-03
31	.62500	1.4370	53.000	.2100-01	.2430-01	.2637-01	28.53	.5989	.2637	552.1	.7705-03
31	.62500	2.2930	52.000	.3832-01	.4434-01	.4811-01	28.54	1.094	.2633	551.3	.1406-02
31	.62500	2.6990	51.000	.3775-01	.4368-01	.4741-01	28.52	1.077	.2637	552.2	.1385-02
31	.87500	.00000	62.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
31	.87500	.69000	61.000	.4972-02	.5754-02	.6245-02	28.51	.1417	.2641	553.0	.1825-03
31	.87500	1.0640	60.000	.8231-02	.9525-02	.1034-01	28.51	.2347	.2640	552.8	.3021-03
31	.87500	1.4370	59.000	.1375-01	.1591-01	.1727-01	28.52	.3920	.2639	552.6	.5045-03
31	.87500	2.2930	58.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
31	.87500	2.6990	57.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC18)

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
31	1.1250	.00000	68.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
31	1.1250	.69000	67.000	.3098-02	.3586-02	.3892-02	28.49	.8829-01	.2644	553.7	.1137-03
31	1.1250	1.0640	66.000	.4851-02	.5614-02	.6093-02	28.50	.1383	.2643	553.4	.1780-03
31	1.1250	1.4370	65.000	.8850-02	.1024-01	.1112-01	28.51	.2523	.2641	553.0	.3248-03
31	1.1250	2.2930	64.000	.1844-01	.2134-01	.2316-01	28.52	.5261	.2637	552.2	.6769-03
31	1.1250	2.6990	63.000	.1713-01	.1982-01	.2151-01	28.53	.4887	.2637	552.1	.6287-03
31	1.3750	.00000	74.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
31	1.3750	.69000	73.000	.1850-02	.2141-02	.2323-02	28.48	.5268-01	.2647	554.2	.6788-04
31	1.3750	1.0640	72.000	.2499-02	.2892-02	.3139-02	28.49	.7119-01	.2645	553.9	.9171-04
31	1.3750	1.4370	71.000	.5790-02	.6700-02	.7272-02	28.50	.1650	.2643	553.4	.2125-03
31	1.3750	2.2930	70.000	.1061-01	.1227-01	.1332-01	28.51	.3024	.2640	552.8	.3992-03
31	1.3750	2.6990	69.000	.1090-01	.1261-01	.1368-01	28.52	.3108	.2638	552.3	.3999-03

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC19)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
30	30.00	.0000	7.300	.4946+06	192.2	2002.	504.9	.3305-01	180.5	.1537-04	4807.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
30	.0000	.7640-01

TEST DATA

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
30	.12500	.69000	43.000	.6350-01	.7347-01	.7973-01	28.41	1.804	.2629	553.1	.2360-02
30	.12500	1.0640	42.000	.5683-01	.6576-01	.7136-01	28.41	1.615	.2629	553.2	.2112-02
30	.12500	1.4370	41.000	.4683-01	.5417-01	.5879-01	28.42	1.331	.2627	552.7	.1740-02
30	.12500	2.2930	40.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
30	.12500	2.6990	39.000	.3567-01	.4127-01	.4478-01	28.42	1.014	.2628	553.0	.1326-02
30	.37500	.69000	49.000	.1722-01	.1993-01	.2162-01	28.40	.4891	.2631	553.7	.6401-03
30	.37500	1.0640	48.000	.2099-01	.2429-01	.2636-01	28.40	.5963	.2631	553.6	.7803-03
30	.37500	1.4370	47.000	.2368-01	.2739-01	.2973-01	28.41	.6727	.2630	553.3	.8801-03
30	.37500	2.2930	46.000	.4878-01	.5644-01	.6124-01	28.41	1.386	.2630	553.3	.1813-02
30	.37500	2.6990	45.000	.4377-01	.5067-01	.5500-01	28.33	1.240	.2649	557.5	.1627-02
30	.62500	.69000	55.000	.6366-02	.7365-02	.7993-02	28.41	.1808	.2631	553.5	.2366-03
30	.62500	1.0640	54.000	.1170-01	.1354-01	.1470-01	28.41	.3325	.2631	553.5	.4350-03
30	.62500	1.4370	53.000	.1875-01	.2169-01	.2354-01	28.41	.5326	.2630	553.3	.6968-03
30	.62500	2.2930	52.000	.3923-01	.4539-01	.4925-01	28.42	1.115	.2627	552.7	.1458-02
30	.62500	2.6990	51.000	.3397-01	.3931-01	.4266-01	28.40	.9649	.2631	553.6	.1263-02
30	.87500	.00000	62.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
30	.87500	.69000	61.000	.3318-02	.3839-02	.4166-02	28.39	.9421-01	.2633	554.1	.1233-03
30	.87500	1.0640	60.000	.6895-02	.7978-02	.8658-02	28.40	.1958	.2633	553.9	.2563-03
30	.87500	1.4370	59.000	.1096-01	.1268-01	.1376-01	28.40	.3112	.2632	553.7	.4072-03
30	.87500	2.2930	58.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
30	.87500	2.6990	57.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC19)

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
30	1.1250	.00000	68.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
30	1.1250	.69000	67.000	.1438-02	.1664-02	.1806-02	28.38	.4081-01	.2637	554.8	.5345-04
30	1.1250	1.0640	66.000	.4513-02	.5223-02	.5668-02	28.39	.1281	.2635	554.5	.1678-03
30	1.1250	1.4370	65.000	.7193-02	.8323-02	.9033-02	28.39	.2042	.2634	554.2	.2674-03
30	1.1250	2.2930	64.000	.1295-01	.1498-01	.1626-01	28.40	.3678	.2632	553.8	.4813-03
30	1.1250	2.6990	63.000	.1402-01	.1623-01	.1761-01	28.41	.3984	.2630	553.4	.5212-03
30	1.3750	.00000	74.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
30	1.3750	.69000	73.000	.8235-03	.9530-03	.1034-02	28.37	.2337-01	.2639	555.3	.3061-04
30	1.3750	1.0640	72.000	.1382-02	.1600-02	.1736-02	28.38	.3923-01	.2637	554.7	.5138-04
30	1.3750	1.4370	71.000	.4563-02	.5280-02	.5730-02	28.39	.1295	.2635	554.5	.1696-03
30	1.3750	2.2930	70.000	.7952-02	.9201-02	.9985-02	28.40	.2258	.2633	554.0	.2956-03
30	1.3750	2.6990	69.000	.9211-02	.1066-01	.1157-01	28.40	.2616	.2631	553.7	.3424-03

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC20)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
33	30.00	.0000	7.300	.4884+06	190.0	2003.	505.2	.3267-01	180.6	.1518-04	4809.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
33	.0000	.7596-01

TEST DATA

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
33	.12500	.69000	43.000	.7148-01	.8267-01	.8969-01	28.34	2.026	.2612	550.1	.2673-02
33	.12500	1.0640	42.000	.7441-01	.8607-01	.9338-01	28.34	2.109	.2613	550.3	.2782-02
33	.12500	1.4370	41.000	.7370-01	.8523-01	.9247-01	28.34	2.089	.2612	549.9	.2756-02
33	.12500	2.2930	40.000	.5669-01	.6556-01	.7113-01	28.34	1.606	.2613	550.1	.2120-02
33	.12500	2.6990	39.000	.5342-01	.6179-01	.6704-01	28.33	1.514	.2615	550.6	.1998-02
33	.37500	.69000	49.000	.3683-01	.4259-01	.4621-01	28.33	1.043	.2614	550.4	.1377-02
33	.37500	1.0640	48.000	.6009-01	.6950-01	.7541-01	28.33	1.703	.2614	550.4	.2247-02
33	.37500	1.4370	47.000	.8425-01	.9745-01	.1057	28.34	2.388	.2613	550.2	.3150-02
33	.37500	2.2930	46.000	.1233	.1426	.1547	28.34	3.494	.2613	550.2	.4611-02
33	.37500	2.6990	45.000	.1412	.1634	.1774	28.21	3.984	.2643	556.6	.5281-02
33	.62500	.69000	55.000	.1267-01	.1465-01	.1590-01	28.34	.3591	.2613	550.1	.4738-03
33	.62500	1.0640	54.000	.1771-01	.2049-01	.2222-01	28.34	.5020	.2612	550.1	.6623-03
33	.62500	1.4370	53.000	.2545-01	.2944-01	.3194-01	28.35	.7215	.2611	549.8	.9517-03
33	.62500	2.2930	52.000	.5329-01	.6163-01	.6686-01	28.36	1.511	.2608	549.1	.1993-02
33	.62500	2.6990	51.000	.7632-01	.8827-01	.9576-01	28.34	2.163	.2611	549.9	.2854-02
33	.87500	.00000	62.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
33	.87500	.69000	61.000	.5846-02	.6761-02	.7336-02	28.33	.1656	.2614	550.4	.2186-03
33	.87500	1.0640	60.000	.9400-02	.1087-01	.1180-01	28.34	.2664	.2613	550.3	.3515-03
33	.87500	1.4370	59.000	.1622-01	.1876-01	.2035-01	28.34	.4596	.2612	550.0	.6064-03
33	.87500	2.2930	58.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
33	.87500	2.6990	57.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC20)

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
33	1.1250	.00000	68.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
33	1.1250	.69000	67.000	.3934-02	.4551-02	.4938-02	28.32	.1114	.2617	551.0	.1471-03
33	1.1250	1.0640	66.000	.6469-02	.7482-02	.8118-02	28.33	.1833	.2615	550.7	.2419-03
33	1.1250	1.4370	65.000	.1321-01	.1528-01	.1658-01	28.33	.3743	.2614	550.5	.4940-03
33	1.1250	2.2930	64.000	.2327-01	.2692-01	.2920-01	28.35	.6599	.2609	549.4	.8702-03
33	1.1250	2.6990	63.000	.2259-01	.2613-01	.2835-01	28.36	.6407	.2608	549.2	.8448-03
33	1.3750	.00000	74.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
33	1.3750	.69000	73.000	.1863-02	.2154-02	.2338-02	28.31	.5273-01	.2619	551.5	.6965-04
33	1.3750	1.0640	72.000	.3560-02	.4118-02	.4468-02	28.32	.1008	.2617	551.2	.1331-03
33	1.3750	1.4370	71.000	.7869-02	.9101-02	.9874-02	28.33	.2229	.2614	550.5	.2942-03
33	1.3750	2.2930	70.000	.1439-01	.1664-01	.1806-01	28.35	.4079	.2611	549.8	.5381-03
33	1.3750	2.6990	69.000	.1490-01	.1724-01	.1870-01	28.35	.4226	.2609	549.3	.5573-03

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC21)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
32	30.00	.0000	7.300	.7785+06	292.5	1965.	494.6	.5049-01	176.8	.2396-04	4758.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
32	.0000	.9426-01

TEST DATA

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
32	.12500	.69000	43.000	.1157	.1340	.1455	34.21	3.960	.2660	548.3	.3442-02
32	.12500	1.0640	42.000	.1318	.1525	.1656	34.20	4.507	.2661	548.5	.3918-02
32	.12500	1.4370	41.000	.1315	.1522	.1653	34.22	4.500	.2658	548.0	.3911-02
32	.12500	2.2930	40.000	.1409	.1631	.1770	34.22	4.821	.2657	547.8	.4189-02
32	.12500	2.6990	39.000	.1518	.1757	.1907	34.21	5.191	.2661	548.5	.4513-02
32	.37500	.69000	49.000	.3313-01	.3836-01	.4165-01	34.20	1.133	.2662	548.8	.9854-03
32	.37500	1.0640	48.000	.4178-01	.4837-01	.5252-01	34.20	1.429	.2663	548.9	.1243-02
32	.37500	1.4370	47.000	.4576-01	.5298-01	.5752-01	34.21	1.565	.2661	548.5	.1361-02
32	.37500	2.2930	46.000	.5844-01	.6766-01	.7345-01	34.21	1.999	.2661	548.5	.1738-02
32	.37500	2.6990	45.000	.5653-01	.6544-01	.7105-01	34.21	1.934	.2660	548.3	.1681-02
32	.62500	.69000	55.000	.1201-01	.1390-01	.1509-01	34.21	.4108	.2661	548.5	.3571-03
32	.62500	1.0640	54.000	.1773-01	.2052-01	.2228-01	34.20	.6063	.2661	548.5	.5272-03
32	.62500	1.4370	53.000	.2287-01	.2648-01	.2875-01	34.21	.7826	.2659	548.1	.6802-03
32	.52500	2.2930	52.000	.3625-01	.4196-01	.4555-01	34.23	1.241	.2656	547.5	.1078-02
32	.62500	2.6990	51.000	.3640-01	.4214-01	.4575-01	34.21	1.245	.2660	548.4	.1083-02
32	.87500	.00000	62.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
32	.87500	.69000	61.000	.6278-02	.7268-02	.7891-02	34.20	.2147	.2662	548.7	.1867-03
32	.87500	1.0640	60.000	.9153-02	.1060-01	.1150-01	34.20	.3131	.2661	548.6	.2722-03
32	.87500	1.4370	59.000	.1377-01	.1594-01	.1731-01	34.21	.4711	.2659	548.1	.4095-03
32	.87500	2.2930	58.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
32	.87500	2.6990	57.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC21)

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF. BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
32	1.1250	.00000	68.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
32	1.1250	.69000	67.000	.4069-02	.4712-02	.5115-02	34.19	.1391	.2664	549.2	.1210-03
32	1.1250	1.0640	66.000	.5291-02	.6126-02	.6651-02	34.19	.1809	.2663	549.0	.1574-03
32	1.1250	1.4370	65.000	.8365-02	.9685-02	.1051-01	34.21	.2861	.2661	548.5	.2488-03
32	1.1250	2.2930	64.000	.1887-01	.2185-01	.2372-01	34.22	.6458	.2658	548.0	.5613-03
32	1.1250	2.6990	63.000	.1738-01	.2012-01	.2185-01	34.22	.5948	.2659	548.0	.5170-03
32	1.3750	.00000	74.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
32	1.3750	.69000	73.000	.3569-02	.4132-02	.4486-02	34.18	.1220	.2666	549.6	.1061-03
32	1.3750	1.0640	72.000	.2584-02	.2992-02	.3249-02	34.19	.8835-01	.2664	549.2	.7686-04
32	1.3750	1.4370	71.000	.5687-02	.6584-02	.7148-02	34.20	.1945	.2661	548.6	.1691-03
32	1.3750	2.2930	70.000	.1103-01	.1277-01	.1387-01	34.21	.3775	.2660	548.3	.3281-03
32	1.3750	2.6990	69.000	.1045-01	.1210-01	.1314-01	34.21	.3576	.2659	548.1	.3108-03

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC22)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
28	30.00	.0000	7.300	.7867+06	289.7	1943.	488.7	.5012-01	174.7	.2408-04	4729.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
28	.0000	.9381-01

TEST DATA

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
28	.12500	.69000	43.000	.1069	.1239	.1346	33.47	3.579	.2696	549.2	.3172-02
28	.12500	1.0640	42.000	.8731-01	.1012	.1099	33.47	2.922	.2697	549.2	.2589-02
28	.12500	1.4370	41.000	.6631-01	.7683-01	.8344-01	33.48	2.220	.2694	548.8	.1967-02
28	.12500	2.2930	40.000	.4407-01	.5106-01	.5546-01	33.48	1.476	.2694	548.6	.1307-02
28	.12500	2.6990	39.000	.4322-01	.5008-01	.5439-01	33.47	1.447	.2697	549.2	.1282-02
28	.37500	.69000	49.000	.2680-01	.3105-01	.3373-01	33.46	.8965	.2699	549.7	.7948-03
28	.37500	1.0640	48.000	.3005-01	.3482-01	.3782-01	33.46	1.005	.2699	549.7	.8914-03
28	.37500	1.4370	47.000	.3559-01	.4123-01	.4479-01	33.47	1.191	.2697	549.3	.1056-02
28	.37500	2.2930	46.000	.5699-01	.6603-01	.7172-01	33.47	1.907	.2697	549.3	.1690-02
28	.37500	2.6990	45.000	.4936-01	.5722-01	.6217-01	33.36	1.647	.2718	553.5	.1465-02
28	.62500	.69000	55.000	.1009-01	.1170-01	.1271-01	33.41	.3372	.2709	551.8	.2995-03
28	.62500	1.0640	54.000	.1523-01	.1765-01	.1917-01	33.40	.5086	.2710	551.9	.4517-03
28	.62500	1.4370	53.000	.2412-01	.2795-01	.3036-01	33.41	.8059	.2708	551.5	.7155-03
28	.62500	2.2930	52.000	.4456-01	.5164-01	.5610-01	33.43	1.490	.2704	550.7	.1322-02
28	.62500	2.6990	51.000	.3569-01	.4135-01	.4491-01	33.47	1.194	.2697	549.3	.1058-02
28	.87500	.00000	62.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
28	.87500	.69000	61.000	.5270-02	.6108-02	.6636-02	33.40	.1760	.2711	552.1	.1563-03
28	.87500	1.0640	60.000	.7583-02	.8788-02	.9547-02	33.40	.2533	.2711	552.0	.2249-03
28	.87500	1.4370	59.000	.1229-01	.1425-01	.1548-01	33.41	.4107	.2708	551.6	.3647-03
28	.87500	2.2930	58.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
28	.87500	2.6990	57.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC22)

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
28	1.1250	.00000	68.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
28	1.1250	.69000	67.000	.3524-02	.4085-02	.4438-02	33.38	.1176	.2714	552.7	.1045-03
28	1.1250	1.0640	66.000	.4329-02	.5018-02	.5451-02	33.39	.1446	.2712	552.4	.1284-03
28	1.1250	1.4370	65.000	.6942-02	.8046-02	.8740-02	33.40	.2319	.2710	552.0	.2059-03
28	1.1250	2.2930	64.000	.1581-01	.1833-01	.1991-01	33.41	.5284	.2708	551.4	.4691-03
28	1.1250	2.6990	63.000	.1504-01	.1743-01	.1893-01	33.42	.5025	.2707	551.4	.4461-03
28	1.3750	.00000	74.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
28	1.3750	.69000	73.000	.1527-02	.1770-02	.1923-02	33.38	.5096-01	.2715	553.0	.4529-04
28	1.3750	1.0640	72.000	.1925-02	.2231-02	.2424-02	33.39	.6427-01	.2714	552.6	.5711-04
28	1.3750	1.4370	71.000	.4391-02	.5089-02	.5529-02	33.40	.1467	.2711	552.1	.1303-03
28	1.3750	2.2930	70.000	.9607-02	.1113-01	.1209-01	33.41	.3210	.2708	551.5	.2850-03
28	1.3750	2.6990	69.000	.9783-02	.1134-01	.1232-01	33.42	.3269	.2707	551.3	.2902-03

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC23)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
34	30.00	.0000	7.300	.7970+06	293.4	1942.	488.5	.5075-01	174.6	.2439-04	4728.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
34	.0000	.9440-01

TEST DATA

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
34	.12500	.69000	43.000	.1257	.1457	.1582	33.61	4.224	.2708	551.2	.3704-02
34	.12500	1.0640	42.000	.1252	.1451	.1577	33.60	4.208	.2709	551.6	.3691-02
34	.12500	1.4370	41.000	.1216	.1409	.1531	33.61	4.088	.2707	551.2	.3584-02
34	.12500	2.2930	40.000	.9743-01	.1129	.1227	33.61	3.275	.2707	551.2	.2872-02
34	.12500	2.6990	39.000	.1048	.1214	.1319	33.59	3.520	.2711	551.9	.3088-02
34	.37500	.69000	49.000	.4968-01	.5757-01	.6254-01	33.60	1.669	.2709	551.5	.1464-02
34	.37500	1.0640	48.000	.7793-01	.9032-01	.9812-01	33.60	2.619	.2709	551.5	.2297-02
34	.37500	1.4370	47.000	.1043	.1209	.1313	33.61	3.507	.2707	551.1	.3075-02
34	.37500	2.2930	46.000	.1586	.1838	.1996	33.62	5.331	.2706	550.9	.4673-02
34	.37500	2.6990	45.000	.1793	.2080	.2260	33.46	6.001	.2738	557.4	.5287-02
34	.62500	.69000	55.000	.1566-01	.1814-01	.1971-01	33.62	.5264	.2705	550.7	.4614-03
34	.62500	1.0640	54.000	.2189-01	.2536-01	.2755-01	33.62	.7359	.2705	550.7	.6451-03
34	.62500	1.4370	53.000	.2804-01	.3250-01	.3530-01	33.63	.9432	.2703	550.3	.8265-03
34	.62500	2.2930	52.000	.5990-01	.6940-01	.7538-01	33.65	2.016	.2699	549.4	.1765-02
34	.62500	2.6990	51.000	.7850-01	.9097-01	.9882-01	33.64	2.641	.2703	550.2	.2314-02
34	.87500	.00000	62.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
34	.87500	.69000	61.000	.7391-02	.8565-02	.9304-02	33.62	.2485	.2706	550.8	.2178-03
34	.87500	1.0640	60.000	.1074-01	.1245-01	.1352-01	33.63	.3611	.2705	550.6	.3165-03
34	.87500	1.4370	59.000	.1631-01	.1890-01	.2053-01	33.64	.5487	.2701	549.9	.4807-03
34	.87500	2.2930	58.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
34	.87500	2.6990	57.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC23)

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
34	1.1250	.00000	68.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
34	1.1250	.69000	67.000	.5166-02	.5987-02	.6503-02	33.61	.1736	.2708	551.3	.1523-03
34	1.1250	1.0640	66.000	.6578-02	.7623-02	.8281-02	33.62	.2212	.2705	550.8	.1939-03
34	1.1250	1.4370	65.000	.1220-01	.1414-01	.1535-01	33.64	.4104	.2702	550.0	.3595-03
34	1.1250	2.2930	64.000	.2465-01	.2857-01	.3103-01	33.65	.8298	.2699	549.4	.7266-03
34	1.1250	2.6990	63.000	.2515-01	.2914-01	.3165-01	33.66	.8464	.2698	549.2	.7410-03
34	1.3750	.00000	74.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
34	1.3750	.69000	73.000	.3336-02	.3866-02	.4200-02	33.61	.1121	.2708	551.3	.9833-04
34	1.3750	1.0640	72.000	.5347-02	.6196-02	.6731-02	33.62	.1797	.2706	551.0	.1576-03
34	1.3750	1.4370	71.000	.7560-02	.8761-02	.9516-02	33.64	.2543	.2703	550.2	.2228-03
34	1.3750	2.2930	70.000	.1615-01	.1872-01	.2033-01	33.65	.5436	.2699	549.4	.4760-03
34	1.3750	2.6990	69.000	.1570-01	.1819-01	.1975-01	33.66	.5283	.2697	549.1	.4625-03

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC24)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
24	30.00	.0000	7.300	.7711+06	289.3	1963.	494.2	.4995-01	176.7	.2373-04	4756.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
24	.0000	.9374-01

TEST DATA

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
24	.12500	.69000	43.000	.1027	.1189	.1291	33.92	3.483	.2675	551.0	.3070-02
24	.12500	1.0640	42.000	.1208	.1399	.1519	33.91	4.097	.2676	551.2	.3611-02
24	.12500	1.4370	41.000	.1224	.1418	.1539	33.93	4.154	.2673	550.4	.3659-02
24	.12500	2.2930	40.000	.1149	.1330	.1445	33.94	3.900	.2670	549.9	.3434-02
24	.12500	2.6990	39.000	.1291	.1495	.1623	33.94	4.383	.2670	549.9	.3859-02
24	.37500	.69000	49.000	.2940-01	.3404-01	.3697-01	33.91	.9968	.2677	551.4	.8787-03
24	.37500	1.0640	48.000	.3907-01	.4525-01	.4914-01	33.91	1.325	.2677	551.3	.1168-02
24	.37500	1.4370	47.000	.4313-01	.4994-01	.5423-01	33.92	1.463	.2675	550.9	.1289-02
24	.37500	2.2930	46.000	.5521-01	.6394-01	.6942-01	33.94	1.874	.2671	550.0	.1650-02
24	.37500	2.6990	45.000	.5683-01	.6581-01	.7145-01	33.94	1.929	.2670	549.9	.1699-02
24	.62500	.69000	55.000	.1076-01	.1246-01	.1353-01	33.92	.3650	.2675	551.0	.3216-03
24	.62500	1.0640	54.000	.1666-01	.1930-01	.2095-01	33.92	.5652	.2675	550.9	.4981-03
24	.62500	1.4370	53.000	.2175-01	.2518-01	.2734-01	33.93	.7378	.2673	550.5	.6500-03
24	.62500	2.2930	52.000	.3640-01	.4214-01	.4576-01	33.95	1.236	.2668	549.5	.1088-02
24	.62500	2.6990	51.000	.3608-01	.4179-01	.4537-01	33.93	1.224	.2672	550.4	.1079-02
24	.87500	.00000	62.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
24	.87500	.69000	61.000	.5686-02	.6586-02	.7151-02	33.91	.1928	.2676	551.2	.1700-03
24	.87500	1.0640	60.000	.8357-02	.9678-02	.1051-01	33.92	.2834	.2675	551.0	.2498-03
24	.87500	1.4370	59.000	.1252-01	.1450-01	.1575-01	33.93	.4249	.2672	550.4	.3743-03
24	.87500	2.2930	58.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
24	.87500	2.6990	57.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC24)

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
24	1.1250	.00000	68.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
24	1.1250	.69000	67.000	.3657-02	.4236-02	.4600-02	33.90	.1240	.2679	551.8	.1093-03
24	1.1250	1.0640	66.000	.4983-02	.5771-02	.6266-02	33.91	.1689	.2678	551.5	.1489-03
24	1.1250	1.4370	65.000	.7803-02	.9036-02	.9812-02	33.92	.2647	.2675	551.0	.2332-03
24	1.1250	2.2930	64.000	.1822-01	.2110-01	.2291-01	33.93	.6183	.2672	550.4	.5446-03
24	1.1250	2.6990	63.000	.1665-01	.1928-01	.2094-01	33.93	.5650	.2673	550.5	.4977-03
24	1.3750	.00000	74.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
24	1.3750	.69000	73.000	.2607-02	.3019-02	.3278-02	33.89	.8834-01	.2681	552.1	.7792-04
24	1.3750	1.0640	72.000	.2901-02	.3360-02	.3649-02	33.90	.9835-01	.2679	551.9	.8673-04
24	1.3750	1.4370	71.000	.5054-02	.5853-02	.6355-02	33.92	.1714	.2675	551.0	.1511-03
24	1.3750	2.2930	70.000	.1070-01	.1239-01	.1345-01	33.93	.3629	.2674	550.7	.3197-03
24	1.3750	2.6990	69.000	.1074-01	.1243-01	.1350-01	33.93	.3643	.2673	550.5	.3209-03

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC25)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
26	30.00	.0000	7.300	.7608+06	288.6	1975.	497.5	.4977-01	177.9	.2348-04	4772.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
26	.0000	.9363-01

TEST DATA

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
26	.12500	.69000	43.000	.8931-01	.1035	.1124	33.96	3.033	.2703	560.4	.2686-02
26	.12500	1.0640	42.000	.7395-01	.8917-01	.9686-01	33.96	2.613	.2703	560.4	.2314-02
26	.12500	1.4370	41.000	.5809-01	.6731-01	.7311-01	33.97	1.973	.2700	559.9	.1747-02
26	.12500	2.2930	40.000	.3502-01	.4058-01	.4407-01	33.99	1.190	.2698	559.4	.1053-02
26	.12500	2.6990	39.000	.3949-01	.4576-01	.4970-01	33.98	1.342	.2700	559.8	.1188-02
26	.37500	.69000	49.000	.2155-01	.2497-01	.2712-01	33.95	.7316	.2704	560.8	.6480-03
26	.37500	1.0640	48.000	.2640-01	.3059-01	.3323-01	33.95	.8964	.2705	560.8	.7939-03
26	.37500	1.4370	47.000	.2941-01	.3408-01	.3702-01	33.96	.9987	.2703	560.4	.8843-03
26	.37500	2.2930	46.000	.5854-01	.6783-01	.7368-01	33.97	1.988	.2701	560.1	.1760-02
26	.37500	2.6990	45.000	.5015-01	.5811-01	.6312-01	33.97	1.704	.2701	560.0	.1508-02
26	.62500	.69000	55.000	.8372-02	.9701-02	.1054-01	33.96	.2843	.2702	560.3	.2517-03
26	.62500	1.0640	54.000	.1289-01	.1494-01	.1623-01	33.96	.4379	.2702	560.3	.3877-03
26	.62500	1.4370	53.000	.2112-01	.2447-01	.2658-01	33.97	.7175	.2700	559.9	.6350-03
26	.62500	2.2930	52.000	.4611-01	.5343-01	.5803-01	33.99	1.567	.2696	559.1	.1386-02
26	.62500	2.6990	51.000	.3805-01	.4409-01	.4789-01	33.97	1.292	.2702	560.2	.1144-02
26	.87500	.00000	62.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
26	.87500	.69000	61.000	.4123-02	.4778-02	.5190-02	33.96	.1400	.2703	560.6	.1240-03
26	.87500	1.0640	60.000	.6976-02	.8083-02	.8781-02	33.96	.2369	.2703	560.4	.2098-03
26	.87500	1.4370	59.000	.1229-01	.1425-01	.1547-01	33.97	.4177	.2700	559.9	.3697-03
26	.87500	2.2930	58.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
26	.87500	2.6990	57.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC25)

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
26	1.1250	.00000	68.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
26	1.1250	.69000	67.000	.2113-02	.2449-02	.2660-02	33.94	.7172-01	.2706	561.2	.6354-04
26	1.1250	1.0640	66.000	.4104-02	.4755-02	.5166-02	33.95	.1393	.2705	560.9	.1234-03
26	1.1250	1.4370	65.000	.6340-02	.7346-02	.7980-02	33.96	.2153	.2702	560.3	.1906-03
26	1.1250	2.2930	64.000	.1532-01	.1775-01	.1928-01	33.98	.5204	.2700	559.8	.4605-03
26	1.1250	2.6990	63.000	.1660-01	.1924-01	.2089-01	33.97	.5640	.2700	559.9	.4992-03
26	1.3750	.00000	74.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
26	1.3750	.69000	73.000	.1015-02	.1177-02	.1278-02	33.94	.3446-01	.2707	561.4	.3054-04
26	1.3750	1.0640	72.000	.2582-02	.2993-02	.3251-02	33.94	.8765-01	.2706	561.2	.7766-04
26	1.3750	1.4370	71.000	.3999-02	.4518-02	.4908-02	33.96	.1324	.2703	560.5	.1172-03
26	1.3750	2.2930	70.000	.9392-02	.1088-01	.1182-01	33.97	.3191	.2700	559.9	.2824-03
26	1.3750	2.6990	69.000	.9729-02	.1127-01	.1225-01	33.98	.3306	.2699	559.7	.2926-03

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC26)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
25	30.00	.0000	7.300	.1031+07	389.5	1971.	496.2	.6720-01	177.4	.3179-04	4766.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
25	.0000	.1088

TEST DATA

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
25	.12500	.69000	43.000	.1340	.1553	.1686	39.44	5.286	.2687	555.8	.3462-02
25	.12500	1.0640	42.000	.1446	.1675	.1819	39.44	5.702	.2688	555.9	.3735-02
25	.12500	1.4370	41.000	.1418	.1642	.1783	39.45	5.592	.2686	555.4	.3662-02
25	.12500	2.2930	40.000	.1303	.1509	.1639	39.46	5.142	.2684	555.1	.3366-02
25	.12500	2.6990	39.000	.1438	.1666	.1809	39.46	5.675	.2685	555.3	.3716-02
25	.37500	.69000	49.000	.3688-01	.4273-01	.4640-01	39.43	1.454	.2689	556.0	.9528-03
25	.37500	1.0640	48.000	.4515-01	.5230-01	.5680-01	39.44	1.780	.2688	556.0	.1166-02
25	.37500	1.4370	47.000	.4749-01	.5502-01	.5975-01	39.45	1.873	.2686	555.6	.1227-02
25	.37500	2.2930	46.000	.5503-01	.6374-01	.6922-01	39.45	2.171	.2685	555.3	.1422-02
25	.37500	2.6990	45.000	.5550-01	.6428-01	.6981-01	39.46	2.190	.2684	555.1	.1434-02
25	.62500	.69000	55.000	.1309-01	.1517-01	.1647-01	39.45	.5165	.2687	555.6	.3382-03
25	.62500	1.0640	54.000	.1967-01	.2279-01	.2475-01	39.45	.7761	.2686	555.6	.5083-03
25	.62500	1.4370	53.000	.2485-01	.2879-01	.3126-01	39.46	.9807	.2684	555.1	.6420-03
25	.62500	2.2930	52.000	.3562-01	.4125-01	.4480-01	39.48	1.406	.2681	554.5	.9201-03
25	.62500	2.6990	51.000	.3436-01	.3981-01	.4323-01	39.44	1.355	.2687	555.7	.8877-03
25	.87500	.00000	62.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
25	.87500	.69000	61.000	.6042-02	.7000-02	.7602-02	39.44	.2383	.2689	556.0	.1561-03
25	.87500	1.0640	60.000	.1012-01	.1172-01	.1273-01	39.44	.3989	.2688	555.9	.2613-03
25	.87500	1.4370	59.000	.1465-01	.1697-01	.1843-01	39.46	.5782	.2685	555.3	.3785-03
25	.87500	2.2930	58.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
25	.87500	2.6990	57.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

(R2XC26)

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
25	1.1250	.00000	68.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
25	1.1250	.69000	67.000	.4451-02	.5156-02	.5600-02	39.41	.1754	.2693	556.9	.1150-03
25	1.1250	1.0640	66.000	.5882-02	.6815-02	.7401-02	39.41	.2318	.2692	556.7	.1520-03
25	1.1250	1.4370	65.000	.8605-02	.9968-02	.1083-01	39.43	.3393	.2689	556.0	.2223-03
25	1.1250	2.2930	64.000	.1813-01	.2100-01	.2281-01	39.44	.7150	.2688	555.8	.4683-03
25	1.1250	2.6990	63.000	.1549-01	.1794-01	.1948-01	39.43	.6107	.2689	556.0	.4001-03
25	1.3750	.00000	74.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
25	1.3750	.69000	73.000	.4514-02	.5230-02	.5681-02	39.39	.1778	.2696	557.6	.1166-03
25	1.3750	1.0640	72.000	.3255-02	.3887-02	.4222-02	39.40	.1322	.2695	557.4	.8669-04
25	1.3750	1.4370	71.000	.5662-02	.6559-02	.7124-02	39.42	.2232	.2691	556.6	.1463-03
25	1.3750	2.2930	70.000	.1106-01	.1281-01	.1391-01	39.43	.4360	.2690	556.2	.2857-03
25	1.3750	2.6990	69.000	.9778-02	.1133-01	.1230-01	39.43	.3855	.2689	556.2	.2526-03

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC27)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
29	30.00	.0000	7.300	.9799+06	393.6	2039.	515.1	.6744-01	184.2	.3073-04	4856.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
29	.0000	.1093

TEST DATA

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
29	.12500	.69000	43.000	.1247	.1441	.1563	41.83	5.217	.2568	551.3	.3280-02
29	.12500	1.0640	42.000	.1011	.1169	.1267	41.83	4.230	.2568	551.4	.2660-02
29	.12500	1.4370	41.000	.7432-01	.8587-01	.9311-01	41.84	3.110	.2566	550.9	.1954-02
29	.12500	2.2930	40.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
29	.12500	2.6990	39.000	.5303-01	.6128-01	.6645-01	41.82	2.218	.2570	551.7	.1395-02
29	.37500	.69000	49.000	.3230-01	.3732-01	.4047-01	41.82	1.351	.2570	551.7	.8494-03
29	.37500	1.0640	48.000	.3565-01	.4119-01	.4466-01	41.82	1.491	.2569	551.6	.9374-03
29	.37500	1.4370	47.000	.4144-01	.4789-01	.5192-01	41.83	1.733	.2568	551.4	.1090-02
29	.37500	2.2930	46.000	.6243-01	.7214-01	.7822-01	41.83	2.611	.2568	551.4	.1642-02
29	.37500	2.6990	45.000	.5162-01	.5967-01	.6472-01	41.70	2.153	.2589	555.9	.1358-02
29	.62500	.69000	55.000	.1253-01	.1448-01	.1570-01	41.82	.5240	.2569	551.5	.3295-03
29	.62500	1.0640	54.000	.1861-01	.2150-01	.2331-01	41.82	.7782	.2569	551.5	.4893-03
29	.62500	1.4370	53.000	.2860-01	.3305-01	.3594-01	41.83	1.197	.2567	551.2	.7522-03
29	.62500	2.2930	52.000	.4857-01	.5611-01	.6084-01	41.84	2.032	.2565	550.8	.1277-02
29	.62500	2.6990	51.000	.3669-01	.4240-01	.4598-01	41.81	1.534	.2571	551.9	.9650-03
29	.87500	.00000	62.000	-.6093-03	-.7041-03	-.7634-03	41.83	-.2549-01	.2568	551.3	-.1602-04
29	.87500	.69000	61.000	.6266-02	.7240-02	.7851-02	41.81	.2620	.2572	552.1	.1648-03
29	.87500	1.0640	60.000	.8950-02	.1034-01	.1121-01	41.81	.3742	.2571	552.0	.2354-03
29	.87500	1.4370	59.000	.1563-01	.1806-01	.1958-01	41.82	.6535	.2569	551.5	.4109-03
29	.87500	2.2930	58.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
29	.87500	2.6990	57.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC27)

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
29	1.1250	.00000	68.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
29	1.1250	.69000	67.000	.4303-02	.4973-02	.5392-02	41.79	.1798	.2575	552.8	.1132-03
29	1.1250	1.0640	66.000	.5163-02	.5967-02	.6470-02	41.79	.2158	.2574	552.6	.1358-03
29	1.1250	1.4370	65.000	.8557-02	.9888-02	.1072-01	41.81	.3578	.2571	552.0	.2250-03
29	1.1250	2.2930	64.000	.1697-01	.1961-01	.2126-01	41.82	.7096	.2570	551.8	.4462-03
29	1.1250	2.6990	63.000	.1619-01	.1871-01	.2028-01	41.81	.6768	.2571	551.9	.4257-03
29	1.3750	.00000	74.000	.2172-03	.2510-03	.2721-03	41.78	.9073-02	.2576	553.0	.5711-05
29	1.3750	.69000	73.000	.2498-02	.2887-02	.3131-02	41.77	.1044	.2578	553.4	.6571-04
29	1.3750	1.0640	72.000	.3559-02	.4113-02	.4460-02	41.78	.1487	.2577	553.1	.9360-04
29	1.3750	1.4370	71.000	.4972-02	.5746-02	.6230-02	41.80	.2078	.2573	552.4	.1308-03
29	1.3750	2.2930	70.000	.1022-01	.1181-01	.1281-01	41.81	.4274	.2572	552.1	.2688-03
29	1.3750	2.6990	69.000	.1031-01	.1192-01	.1292-01	41.81	.4313	.2571	551.9	.2712-03

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC28)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
35	30.00	.0000	7.300	.9764+06	391.2	2036.	514.4	.6706-01	183.9	.3060-04	4852.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
35	.0000	.1090

TEST DATA

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
35	.12500	.69000	43.000	.1425	.1647	.1786	41.54	5.918	.2586	554.4	.3755-02
35	.12500	1.0640	42.000	.1425	.1647	.1786	41.53	5.917	.2588	554.9	.3755-02
35	.12500	1.4370	41.000	.1393	.1611	.1747	41.54	5.788	.2586	554.5	.3672-02
35	.12500	2.2930	40.000	.1149	.1329	.1441	41.52	4.772	.2589	555.1	.3029-02
35	.12500	2.6990	39.000	.1213	.1402	.1521	41.49	5.032	.2595	556.3	.3197-02
35	.37500	.69000	49.000	.5435-01	.6282-01	.6813-01	41.54	2.258	.2586	554.4	.1432-02
35	.37500	1.0640	48.000	.8245-01	.9531-01	.1034	41.53	3.425	.2587	554.6	.2173-02
35	.37500	1.4370	47.000	.1095	.1266	.1373	41.54	4.551	.2586	554.4	.2887-02
35	.37500	2.2930	46.000	.1652	.1910	.2072	41.53	6.863	.2588	554.7	.4355-02
35	.37500	2.6990	45.000	.1797	.2079	.2255	41.34	7.429	.2619	561.6	.4738-02
35	.62500	.69000	55.000	.1706-01	.1972-01	.2139-01	41.56	.7092	.2582	553.6	.4497-03
35	.62500	1.0640	54.000	.2230-01	.2577-01	.2795-01	41.56	.9268	.2583	553.7	.5877-03
35	.62500	1.4370	53.000	.2869-01	.3316-01	.3596-01	41.67	1.193	.2581	553.3	.7561-03
35	.62500	2.2930	52.000	.5960-01	.6888-01	.7469-01	41.59	2.478	.2578	552.8	.1571-02
35	.62500	2.6990	51.000	.7962-01	.9203-01	.9980-01	41.56	3.309	.2583	553.8	.2098-02
35	.87500	.00000	62.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
35	.87500	.69000	61.000	.8504-02	.9829-02	.1056-01	41.55	.3534	.2584	554.0	.2241-03
35	.87500	1.0640	60.000	.1100-01	.1272-01	.1379-01	41.56	.4572	.2583	553.7	.2899-03
35	.87500	1.4370	59.000	.1727-01	.1995-01	.2164-01	41.58	.7179	.2580	553.1	.4550-03
35	.87500	2.2930	58.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
35	.87500	2.6990	57.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC28)

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
35	1.1250	.00000	68.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
35	1.1250	.69000	67.000	.5982-02	.6915-02	.7500-02	41.54	.2485	.2587	554.6	.1577-03
35	1.1250	1.0640	66.000	.6881-02	.7954-02	.8626-02	41.55	.2859	.2585	554.1	.1814-03
35	1.1250	1.4370	65.000	.1217-01	.1407-01	.1526-01	41.57	.5059	.2581	553.4	.3208-03
35	1.1250	2.2930	64.000	.2376-01	.2745-01	.2977-01	41.59	.9879	.2578	552.7	.6260-03
35	1.1250	2.6990	63.000	.2469-01	.2853-01	.3094-01	41.59	1.027	.2578	552.8	.6507-03
35	1.3750	.00000	74.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
35	1.3750	.69000	73.000	.4689-02	.5420-02	.5879-02	41.52	.1947	.2589	555.1	.1236-03
35	1.3750	1.0640	72.000	.4080-02	.4716-02	.5115-02	41.53	.1695	.2587	554.7	.1075-03
35	1.3750	1.4370	71.000	.8285-02	.9576-02	.1039-01	41.56	.3444	.2582	553.6	.2184-03
35	1.3750	2.2930	70.000	.1587-01	.1834-01	.1989-01	41.58	.6600	.2579	553.0	.4183-03
35	1.3750	2.6990	69.000	.1521-01	.1758-01	.1906-01	41.59	.6325	.2578	552.7	.4008-03

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC29)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = 1.500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
23	30.00	.0000	7.300	.1563+07	576.7	1945.	489.2	.9974-01	174.9	.4786-04	4732.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
23	.0000	.1324

TEST DATA

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
23	.12500	.69000	43.000	.1332	.1542	.1674	47.51	6.328	.2661	542.4	.2801-02
23	.12500	1.0640	42.000	.1432	.1658	.1801	47.49	6.803	.2663	543.0	.3012-02
23	.12500	1.4370	41.000	.1408	.1630	.1770	47.51	6.690	.2660	542.4	.2961-02
23	.12500	2.2930	40.000	.1149	.1330	.1444	47.51	5.458	.2661	542.6	.2416-02
23	.12500	2.6990	39.000	.1369	.1585	.1721	47.48	6.501	.2665	543.3	.2879-02
23	.37500	.69000	49.000	.3634-01	.4208-01	.4568-01	47.51	1.727	.2660	542.4	.7642-03
23	.37500	1.0640	48.000	.4506-01	.5218-01	.5664-01	47.50	2.141	.2662	542.7	.9476-03
23	.37500	1.4370	47.000	.4671-01	.5408-01	.5871-01	47.51	2.219	.2660	542.4	.9822-03
23	.37500	2.2930	46.000	.5182-01	.6000-01	.6514-01	47.50	2.461	.2663	542.9	.1090-02
23	.37500	2.6990	45.000	.5287-01	.6121-01	.6646-01	47.48	2.510	.2665	543.4	.1112-02
23	.62500	.69000	55.000	.1279-01	.1481-01	.1608-01	47.53	.6080	.2659	542.0	.2690-03
23	.62500	1.0640	54.000	.1968-01	.2279-01	.2474-01	47.52	.9353	.2660	542.2	.4139-03
23	.62500	1.4370	53.000	.2379-01	.2754-01	.2990-01	47.53	1.131	.2658	542.0	.5002-03
23	.62500	2.2930	52.000	.3363-01	.3893-01	.4226-01	47.51	1.598	.2661	542.4	.7071-03
23	.62500	2.6990	51.000	.3201-01	.3706-01	.4024-01	47.46	1.519	.2669	544.1	.6731-03
23	.87500	.00000	62.000	.1327-03	.1536-03	.1668-03	47.53	.6307-02	.2658	541.9	.2790-05
23	.87500	.69000	61.000	.6168-02	.7141-02	.7753-02	47.50	.2930	.2662	542.7	.1297-03
23	.87500	1.0640	60.000	.9876-02	.1143-01	.1241-01	47.50	4692	.2662	542.7	.2077-03
23	.87500	1.4370	59.000	.1386-01	.1604-01	.1741-01	47.51	.6583	.2661	542.5	.2913-03
23	.87500	2.2930	58.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
23	.87500	2.6990	57.000	.2444-01	.2830-01	.3072-01	47.46	1.160	.2669	544.1	.5139-03

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC29)

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
23	1.1250	.00000	68.000	-.3557-03	-.4118-03	-.4471-03	47.48	-.1689-01	.2665	543.3	-.7480-05
23	1.1250	.69000	67.000	.3498-02	.4050-02	.4397-02	47.46	.1660	.2668	544.0	.7356-04
23	1.1250	1.0640	66.000	.5428-02	.6205-02	.6824-02	47.46	.2576	.2668	543.8	.1141-03
23	1.1250	1.4370	65.000	.7889-02	.9135-02	.9917-02	47.48	.3746	.2665	543.2	.1659-03
23	1.1250	2.2930	64.000	.1775-01	.2055-01	.2231-01	47.45	.8422	.2669	544.1	.3732-03
23	1.1250	2.6990	63.000	.1562-01	.1809-01	.1964-01	47.42	.7407	.2674	545.2	.3285-03
23	1.3750	.00000	74.000	-.7968-03	-.9228-03	-.1002-02	47.43	-.3779-01	.2673	544.9	-.1676-04
23	1.3750	.69000	73.000	.3854-02	.4463-02	.4846-02	47.42	.1828	.2674	545.2	.8106-04
23	1.3750	1.0640	72.000	.2843-02	.3292-02	.3574-02	47.43	.1348	.2673	544.9	.5979-04
23	1.3750	1.4370	71.000	.4877-02	.5648-02	.6132-02	47.46	.2315	.2669	544.1	.1026-03
23	1.3750	2.2930	70.000	.1130-01	.1309-01	.1421-01	47.43	.5361	.2673	544.8	.2377-03
23	1.3750	2.6990	69.000	.9838-02	.1139-01	.1237-01	47.42	.4665	.2675	545.3	.2069-03

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC30)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = 1.500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
27	30.00	.0000	7.300	.1482+07	581.0	2012.	507.6	.9984-01	181.5	.4617-04	4820.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
27	.0000	.1328

TEST DATA

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
27	.12500	.69000	43.000	.1169	.1352	.1467	49.87	5.833	.2600	549.9	.2508-02
27	.12500	1.0640	42.000	.9475-01	.1096	.1188	49.87	4.725	.2601	550.2	.2032-02
27	.12500	1.4370	41.000	.7108-01	.8219-01	.8915-01	49.88	3.545	.2599	549.9	.1524-02
27	.12500	2.2930	40.000	.5125-01	.5926-01	.6428-01	49.86	2.555	.2602	550.4	.1099-02
27	.12500	2.6990	39.000	.4857-01	.5617-01	.6094-01	49.81	2.419	.2609	551.9	.1042-02
27	.37500	.69000	49.000	.2968-01	.3432-01	.3723-01	49.86	1.480	.2602	550.4	.6365-03
27	.37500	1.0640	48.000	.3312-01	.3829-01	.4154-01	49.85	1.651	.2603	550.7	.7102-03
27	.37500	1.4370	47.000	.4065-01	.4700-01	.5099-01	49.86	2.027	.2602	550.5	.8717-03
27	.37500	2.2930	46.000	.6356-01	.7350-01	.7974-01	49.83	3.167	.2606	551.2	.1363-02
27	.37500	2.6990	45.000	.5235-01	.6057-01	.6572-01	49.66	2.600	.2629	556.2	.1123-02
27	.62500	.69000	55.000	.1138-01	.1315-01	.1427-01	49.87	.5673	.2601	550.2	.2439-03
27	.62500	1.0640	54.000	.1768-01	.2045-01	.2218-01	49.86	.8816	.2602	550.5	.3792-03
27	.62500	1.4370	53.000	.2735-01	.3162-01	.3430-01	49.86	1.364	.2602	550.3	.5864-03
27	.62500	2.2930	52.000	.4759-01	.5503-01	.5969-01	49.85	2.372	.2603	550.7	.1020-02
27	.62500	2.6990	51.000	.3539-01	.4093-01	.4440-01	49.80	1.762	.2610	552.2	.7589-03
27	.87500	.00000	62.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
27	.87500	.69000	61.000	.5770-02	.6672-02	.7237-02	49.84	.2876	.2604	550.8	.1237-03
27	.87500	1.0640	60.000	.8248-02	.9537-02	.1035-01	49.84	.4110	.2605	551.1	.1769-03
27	.87500	1.4370	59.000	.1399-01	.1618-01	.1755-01	49.85	.6975	.2603	550.7	.3001-03
27	.87500	2.2930	58.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
27	.87500	2.6990	57.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC30)

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
27	1.1250	.00000	68.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
27	1.1250	.69000	67.000	.3744-02	.4330-02	.4698-02	49.81	.1865	.2609	552.0	.8030-04
27	1.1250	1.0640	66.000	.4480-02	.5181-02	.5621-02	49.80	.2231	.2609	552.0	.9608-04
27	1.1250	1.4370	65.000	.7105-02	.8217-02	.8914-02	49.82	.3540	.2608	551.6	.1524-03
27	1.1250	2.2930	64.000	.1558-01	.1802-01	.1955-01	49.81	.7762	.2609	551.8	.3342-03
27	1.1250	2.6990	63.000	.1533-01	.1773-01	.1924-01	49.79	.7635	.2611	552.4	.3289-03
27	1.3750	.00000	74.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
27	1.3750	.69000	73.000	.2525-02	.2920-02	.3168-02	49.77	.1257	.2614	552.9	.5415-04
27	1.3750	1.0640	72.000	.2331-02	.2696-02	.2925-02	49.78	.1160	.2613	552.9	.4999-04
27	1.3750	1.4370	71.000	.4969-02	.5746-02	.6234-02	49.81	.2475	.2609	551.8	.1066-03
27	1.3750	2.2930	70.000	.9819-02	.1136-01	.1232-01	49.80	.4890	.2610	552.2	.2106-03
27	1.3750	2.6990	69.000	.1048-01	.1212-01	.1315-01	49.79	.5217	.2611	552.3	.2247-03

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC31)

.FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = 1.500

TEST CONDITIONS

RUN NUMBER	ALPHA DEG.	BETA DEG.	MACH	RN/FT /FT	PT PSIA	TT DEG. R	HT BTU/ LBM	PINF PSIA	TINF DEG. R	RHO SLUGS/ FT3	VINF FT/SEC	SCALE
36	30.00	.0000	7.300	.1414+07	587.1	2077.	525.6	.1002	187.9	.4476-04	4905.	.4000-01

RUN NUMBER	PHI DEG.	HS SPHERE TW=540
36	.0000	.1335

TEST DATA

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0 85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
36	.12500	.69000	43.000	.1425	.1645	.1783	52.39	7.467	.2528	553.9	.3108-02
36	.12500	1.0640	42.000	.1501	.1734	.1879	52.36	7.861	.2533	554.9	.3274-02
36	.12500	1.4370	41.000	.1518	.1752	.1899	52.37	7.948	.2532	554.6	.3310-02
36	.12500	2.2930	40.000	.1269	.1465	.1588	52.30	6.636	.2540	556.5	.2767-02
36	.12500	2.6990	39.000	.1288	.1488	.1613	52.22	6.726	.2552	559.0	.2810-02
36	.37500	.69000	49.000	.5389-01	.6222-01	.6742-01	52.40	2.824	.2527	553.6	.1175-02
36	.37500	1.0640	48.000	.8370-01	.9664-01	.1047	52.38	4.384	.2530	554.3	.1825-02
36	.37500	1.4370	47.000	.1130	.1305	.1414	52.38	5.321	.2530	554.2	.2465-02
36	.37500	2.2930	46.000	.1680	.1940	.2102	52.32	8.787	.2538	556.1	.3663-02
36	.37500	2.6990	45.000	.1779	.2056	.2230	52.05	9.262	.2574	563.8	.3882-02
36	.62500	.69000	55.000	.1660-01	.1916-01	.2076-01	52.43	.8701	.2523	552.7	.3619-03
36	.62500	1.0640	54.000	.2175-01	.2511-01	.2721-01	52.42	1.140	.2525	553.1	.4742-03
36	.62500	1.4370	53.000	.2821-01	.3257-01	.3529-01	52.43	1.479	.2524	552.8	.6152-03
36	.62500	2.2930	52.000	.5916-01	.6830-01	.7402-01	52.40	3.100	.2528	553.7	.1290-02
36	.62500	2.6990	51.000	.7974-01	.9208-01	.9980-01	52.34	4.174	.2535	555.4	.1739-02
36	.87500	.00000	62.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
36	.87500	.69000	61.000	.8437-02	.9740-02	.1056-01	52.41	.4422	.2525	553.2	.1840-03
36	.87500	1.0640	60.000	.1067-01	.1232-01	.1335-01	52.42	.5595	.2525	553.0	.2327-03
36	.87500	1.4370	59.000	.1556-01	.1798-01	.1949-01	52.43	.8167	.2523	552.7	.3397-03
36	.87500	2.2930	58.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
36	.87500	2.6990	57.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-HEATING FUSELAGE (R2XC31)

RUN NUMBER	Z	X	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=0.85	QREF BTU/ FT2SEC	QDOT BTU/ FT2SEC	HW/HT	TW DEG. R	STN NO R=0.9
36	1.1250	.00000	68.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
36	1.1250	.69000	67.000	.5591-02	.6456-02	.6996-02	52.38	.2929	.2530	554.3	.1219-03
36	1.1250	1.0640	66.000	.5942-02	.6860-02	.7435-02	52.39	.3113	.2528	553.9	.1296-03
36	1.1250	1.4370	65.000	.1137-01	.1312-01	.1422-01	52.42	.5958	.2525	553.0	.2478-03
36	1.1250	2.2930	64.000	.2326-01	.2685-01	.2910-01	52.41	1.219	.2526	553.3	.5072-03
36	1.1250	2.6990	63.000	.2507-01	.2894-01	.3136-01	52.39	1.313	.2528	553.7	.5466-03
36	1.3750	.00000	74.000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
36	1.3750	.69000	73.000	.4507-02	.5204-02	.5640-02	52.34	.2359	.2536	555.5	.9829-04
36	1.3750	1.0640	72.000	.3449-02	.3982-02	.4316-02	52.35	.1805	.2534	555.0	.7521-04
36	1.3750	1.4370	71.000	.7024-02	.8109-02	.8788-02	52.40	.3680	.2528	553.7	.1532-03
36	1.3750	2.2930	70.000	.1587-01	.1832-01	.1986-01	52.40	.8316	.2527	553.6	.3461-03
36	1.3750	2.6990	69.000	.1550-01	.1789-01	.1939-01	52.39	.8121	.2528	553.8	.3380-03

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD32)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = .0000 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
46	.4816+06	7.300	1.255	.3364-01	186.1	196.7	2058.	.1188-01	30.00	.0000	.0000	.1517-04

RUN NUMBER	VINF FT/SEC
46	4881.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
46	1.0000	101.00	.16905	.1079	5.026	.8595-03	.7238-01
46	1.0000	102.00	.15618	.9766-01	4.643	.7940-03	.6686-01
46	1.0000	103.00	.10457	.5653-01	3.109	.5317-03	.4477-01
46	1.0000	104.00	.14776	.9095-01	4.393	.7512-03	.6326-01
46	1.0000	105.00	.66116-01	.2588-01	1.966	.3362-03	.2831-01
46	1.0000	106.00	.28876-01	-.3795-02	.8584	.1468-03	.1236-01
46	1.0000	107.00	.13476	.8059-01	4.006	.6852-03	.5770-01
46	1.0000	108.00	.46209-01	.1002-01	1.374	.2349-03	.1978-01
46	1.0000	109.00	.13433-01	-.1610-01	.3993	.6830-04	.5751-02
46	1.0000	110.00	.11723	.6662-01	3.485	.5960-03	.5019-01
46	1.0000	111.00	.25372-01	-.6587-02	.7543	.1290-03	.1086-01
46	1.0000	112.00	-.68090-03	-.2735-01	-.2024-01	-.3462-05	-.2915-03
46	1.0000	113.00	-.49580-02	-.3076-01	-.1474	-.2521-04	-.2123-02
46	1.0000	114.00	.23129	.1575	6.876	.1176-02	.9902-01
46	1.0000	115.00	-.37462-02	-.2979-01	-.1114	-.1905-04	-.1604-02
46	1.0000	116.00	-.85392-02	-.3361-01	-.2539	-.4342-04	-.3656-02
46	1.0000	117.00	.92652-03	-.2607-01	.2754-01	.4711-05	.3967-03
46	1.0000	118.00	-.11448-01	-.3593-01	-.3403	-.5821-04	-.4901-02
46	1.0000	119.00	.86275-02	-.1993-01	.2565	.4386-04	.3694-02
46	1.0000	120.00	.23668-02	-.2492-01	.7036-01	.1203-04	.1013-02
46	1.0000	121.00	.31676	.2256	9.417	.1610-02	.1356

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD32)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
46	1.0000	122.00	.44381	.3269	13.19	.2256-02	.1900
46	1.0000	123.00	.46746	.3457	13.90	.2377-02	.2001
46	1.0000	124.00	.52203	.3892	15.52	.2654-02	.2235
46	1.0000	125.00	.55036	.4118	16.36	.2798-02	.2356
46	1.0000	126.00	.00000	.0000	.0000	.0000	.0000

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD33)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = 5.000 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
49	.5016+06	7.300	1.243	.3332-01	179.8	193.6	1995.	.1195-01	30.00	.0000	.0000	.1555-04

RUN NUMBER	VINF FT/SEC
49	4797.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
49	1.0000	101.00	.22158	.1515	6.650	.1145-02	.9580-01
49	1.0000	102.00	.24252	.1683	7.278	.1253-02	.1048
49	1.0000	103.00	.16647	.1071	4.996	.8599-03	.7197-01
49	1.0000	104.00	.24023	.1665	7.210	.1241-02	.1039
49	1.0000	105.00	.12821	.7634-01	3.848	.6623-03	.5543-01
49	1.0000	106.00	.73087-01	.3199-01	2.193	.3775-03	.3160-01
49	1.0000	107.00	.21539	.1465	6.464	.1113-02	.9312-01
49	1.0000	108.00	.94096-01	.4889-01	2.824	.4861-03	.4068-01
49	1.0000	109.00	.40083-01	.5440-02	1.203	.2070-03	.1733-01
49	1.0000	110.00	.19271	.1282	5.784	.9955-03	.8332-01
49	1.0000	111.00	.66824-01	.2695-01	2.005	.3452-03	.2889-01
49	1.0000	112.00	.29185-01	-.3327-02	.8759	.1508-03	.1262-01
49	1.0000	113.00	.18425-01	-.1198-01	.5529	.9517-04	.7965-02
49	1.0000	114.00	.23332	.1609	7.002	.1205-02	.1009
49	1.0000	115.00	.16968-01	-.1316-01	.5092	.8765-04	.7336-02
49	1.0000	116.00	.13273-01	-.1613-01	.3983	.6856-04	.5738-02
49	1.0000	117.00	.23053-01	-.8261-02	.6918	.1191-03	.9967-02
49	1.0000	118.00	.82861-02	-.2014-01	.2487	.4280-04	.3582-02
49	1.0000	119.00	.27194-01	-.4930-02	.8161	.1405-03	.1176-01
49	1.0000	120.00	.27578-01	-.4621-02	.8276	.1425-03	.1192-01
49	1.0000	121.00	.29943	.2141	8.986	.1547-02	.1295

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD33)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
49	1.0000	122.00	.65405	.4994	19.63	.3379-02	.2828
49	1.0000	123.00	.68302	.5227	20.50	.3528-02	.2953
49	1.0000	124.00	.74965	.5763	22.50	.3872-02	.3241
49	1.0000	125.00	.78539	.6050	23.57	.4057-02	.3395
49	1.0000	126.00	.00000	.0000	.0000	.0000	.0000

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD34)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = -10.00 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
54	.5043+06	7.300	1.234	.3309-01	178.3	192.0	1980.	.1196-01	30.00	.0000	.0000	.1558-04

RUN NUMBER	VINF FT/SEC
54	4777.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
54	1.0000	101.00	.64888-01	.2576-01	1.961	.3380-03	.2825-01
54	1.0000	102.00	.66228-01	.2684-01	2.001	.3450-03	.2883-01
54	1.0000	103.00	.38151-01	.4099-02	1.153	.1987-03	.1661-01
54	1.0000	104.00	.51613-01	.1500-01	1.560	.2689-03	.2247-01
54	1.0000	105.00	.18796-01	-.1158-01	.5680	.9791-04	.8183-02
54	1.0000	106.00	.72502-02	-.2093-01	.2191	.3777-04	.3156-02
54	1.0000	107.00	.52948-01	.1609-01	1.600	.2758-03	.2305-01
54	1.0000	108.00	.13529-01	-.1585-01	.4088	.7047-04	.5890-02
54	1.0000	109.00	.35821-02	-.2391-01	.1082	.1866-04	.1560-02
54	1.0000	110.00	.49083-01	.1295-01	1.483	.2557-03	.2137-01
54	1.0000	111.00	.44960-02	-.2317-01	.1359	.2342-04	.1957-02
54	1.0000	112.00	-.65735-02	-.3213-01	-.1986	-.3424-04	-.2862-02
54	1.0000	113.00	-.70640-02	-.3253-01	-.2135	-.3680-04	-.3075-02
54	1.0000	114.00	.33670	.2460	10.17	.1754-02	.1466
54	1.0000	115.00	.68369-01	.2858-01	2.066	.3561-03	.2977-01
54	1.0000	116.00	-.83434-02	-.3357-01	-.2521	-.4346-04	-.3632-02
54	1.0000	117.00	.30397-03	-.2656-01	.9186-02	.1583-05	.1323-03
54	1.0000	118.00	-.14351-01	-.3843-01	-.4337	-.7476-04	-.6248-02
54	1.0000	119.00	.67628-02	-.2133-01	.2044	.3523-04	.2944-02
54	1.0000	120.00	.38054-02	-.2372-01	.1150	.1982-04	.1657-02
54	1.0000	121.00	.32951	.2401	9.958	.1716-02	.1435

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD34)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
54	1.0000	122.00	.18673	.1245	5.643	.9727-03	.8130-01
54	1.0000	123.00	.20141	.1364	6.086	.1049-02	.8769-01
54	1.0000	124.00	.22075	.1520	6.671	.1150-02	.9611-01
54	1.0000	125.00	.24734	.1736	7.475	.1288-02	.1077
54	1.0000	126.00	.00000	.0000	.0000	.0000	.0000

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD35)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = .0000 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
47	.7225+06	7.300	1.856	.4976-01	184.3	290.4	2040.	.1190-01	30.00	.0000	.0000	.2266-04

RUN NUMBER	VINF FT/SEC
47	4857.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
47	1.0000	101.00	.25463	.1104	5.117	.8768-03	.7370-01
47	1.0000	102.00	.26588	.1164	5.343	.9155-03	.7696-01
47	1.0000	103.00	.18134	.7089-01	3.644	.6244-03	.5249-01
47	1.0000	104.00	.25757	.1120	5.177	.8869-03	.7456-01
47	1.0000	105.00	.13422	.4551-01	2.698	.4622-03	.3885-01
47	1.0000	106.00	.72467-01	.1223-01	1.456	.2495-03	.2098-01
47	1.0000	107.00	.23844	.1017	4.792	.8211-03	.6902-01
47	1.0000	108.00	.10435	.2941-01	2.097	.3593-03	.3020-01
47	1.0000	109.00	.49952-01	.1044-03	1.004	.1720-03	.1446-01
47	1.0000	110.00	.20586	.8410-01	4.137	.7089-03	.5959-01
47	1.0000	111.00	.66624-01	.9087-02	1.339	.2294-03	.1928-01
47	1.0000	112.00	.30447-01	-.1040-01	.6119	.1048-03	.8813-02
47	1.0000	113.00	.30804-01	-.1021-01	.6191	.1061-03	.8916-02
47	1.0000	114.00	.40465	.1912	8.132	.1393-02	.1171
47	1.0000	115.00	.30942-01	-.1014-01	.6218	.1065-03	.8956-02
47	1.0000	116.00	.22901-01	-.1447-01	.4602	.7886-04	.6629-02
47	1.0000	117.00	.31053-01	-.1008-01	.6241	.1069-03	.8989-02
47	1.0000	118.00	.13205-01	-.1969-01	.2654	.4547-04	.3822-02
47	1.0000	119.00	.38317-01	-.6164-02	.7701	.1319-03	.1109-01
47	1.0000	120.00	.34200-01	-.8382-02	.6873	.1178-03	.9899-02
47	1.0000	121.00	.47178	.2274	9.482	.1625-02	.1366

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD35)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
47	1.0000	122.00	.69011	.3450	13.87	.2376-02	.1998
47	1.0000	123.00	.72055	.3614	14.48	.2481-02	.2086
47	1.0000	124.00	.80517	.4070	16.18	.2773-02	.2331
47	1.0000	125.00	.84214	.4269	16.92	.2900-02	.2438
47	1.0000	126.00	.00000	.0000	.0000	.0000	.0000

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD36)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = 5.000 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
50	.7776+06	7.300	1.912	.5125-01	178.8	297.5	1985.	.1196-01	30.00	.0000	.0000	.2405-04

RUN NUMBER	VINF FT/SEC
50	4785.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
50	1.0000	101.00	.34093	.1515	6.653	.1146-02	.9584-01
50	1.0000	102.00	.37602	.1699	7.337	.1264-02	.1057
50	1.0000	103.00	.25274	.1054	+.932	.8497-03	.7105-01
50	1.0000	104.00	.37936	.1716	7.402	.1275-02	.1066
50	1.0000	105.00	.20149	.7859-01	3.932	.6774-03	.5664-01
50	1.0000	106.00	.10806	.2972-01	2.109	.3633-03	.3038-01
50	1.0000	107.00	.33952	.1508	6.625	.1141-02	.9544-01
50	1.0000	108.00	.14822	.5073-01	2.892	.4983-03	.4167-01
50	1.0000	109.00	.61687-01	.5461-02	1.204	.2074-03	.1734-01
50	1.0000	110.00	.30383	.1321	5.929	.1021-02	.8541-01
50	1.0000	111.00	.99442-01	.2521-01	1.940	.3343-03	.2795-01
50	1.0000	112.00	.35200-01	-.8395-02	.6869	.1183-03	.9895-02
50	1.0000	113.00	.28740-01	-.1177-01	.5608	.9662-04	.8079-02
50	1.0000	114.00	.41581	.1907	8.114	.1398-02	.1169
50	1.0000	115.00	.24973-01	-.1374-01	.4873	.8396-04	.7020-02
50	1.0000	116.00	.14921-01	-.1900-01	.2911	.5016-04	.4194-02
50	1.0000	117.00	.23350-01	-.1459-01	.4556	.7850-04	.6564-02
50	1.0000	118.00	.10490-01	-.2132-01	.2047	.3527-04	.2949-02
50	1.0000	119.00	.33546-01	-.9260-02	.6546	.1128-03	.9430-02
50	1.0000	120.00	.27793-01	-.1227-01	.5423	.9344-04	.7813-02
50	1.0000	121.00	.44250	.2047	8.634	.1488-02	.1244

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD36)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
50	1.0000	122.00	.99852	.4955	19.48	.3357-02	.2807
50	1.0000	123.00	1.0490	.5219	20.47	.3526-02	.2949
50	1.0000	124.00	1.1696	.5850	22.82	.3932-02	.3288
50	1.0000	125.00	1.2115	.6069	23.64	.4073-02	.3406
50	1.0000	126.00	.00000	.0000	.0000	.0000	.0000

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD37)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = -10.00 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
53	.7726+06	7.300	1.862	.4993-01	176.4	289.1	1961.	.1199-01	30.00	.0000	.0000	.2375-04

RUN NUMBER	VINF FT/SEC
53	4752.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
53	1.0000	101.00	.95502-01	.2447-01	1.913	.3303-03	.2756-01
53	1.0000	102.00	.10009	.2693-01	2.005	.3462-03	.2888-01
53	1.0000	103.00	.60973-01	.5930-02	1.221	.2109-03	.1760-01
53	1.0000	104.00	.89397-01	.2146-01	1.800	.3109-03	.2594-01
53	1.0000	105.00	.35729-01	-.7624-02	.7156	.1236-03	.1031-01
53	1.0000	106.00	.13185-01	-.1973-01	.2641	.4561-04	.3805-02
53	1.0000	107.00	.87330-01	.2008-01	1.749	.3021-03	.2520-01
53	1.0000	108.00	.24336-01	-.1374-01	.4874	.8417-04	.7023-02
53	1.0000	109.00	.84110-02	-.2229-01	.1685	.2909-04	.2427-02
53	1.0000	110.00	.71035-01	.1133-01	1.423	.2457-03	.2050-01
53	1.0000	111.00	.12337-01	-.2018-01	.2471	.4267-04	.3560-02
53	1.0000	112.00	.27833-02	-.2531-01	.5574-01	.9627-05	.8032-03
53	1.0000	113.00	.11295-02	-.2620-01	.2262-01	.3907-05	.3259-03
53	1.0000	114.00	.23122	.9734-01	4.631	.7997-03	.6672-01
53	1.0000	115.00	.11458	.3471-01	2.295	.3963-03	.3307-01
53	1.0000	116.00	-.12630-02	-.2749-01	-.2530-01	-.4368-05	-.3645-03
53	1.0000	117.00	.54277-02	-.2389-01	.1087	.1877-04	.1566-02
53	1.0000	118.00	-.10194-01	-.3228-01	-.2042	-.3526-04	-.2942-02
53	1.0000	119.00	.97039-02	-.2160-01	.1944	.3356-04	.2800-02
53	1.0000	120.00	.11831-01	-.2045-01	.2370	.4092-04	.3414-02
53	1.0000	121.00	.44807	.2138	8.974	.1550-02	.1293

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD37)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
53	1.0000	122.00	.28084	.1240	5.625	.9714-03	.8104-01
53	1.0000	123.00	.30057	.1346	6.020	.1040-02	.8674-01
53	1.0000	124.00	.33637	.1538	6.737	.1163-02	.9707-01
53	1.0000	125.00	.37043	.1721	7.419	.1281-02	.1069
53	1.0000	126.00	.00000	.0000	.0000	.0000	.0000

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD38)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = .0000 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
48	.1017+07	7.300	2.488	.6670-01	178.2	386.9	1979.	.1197-01	30.00	.0000	.0000	.3141-04

RUN NUMBER	VINF FT/SEC
48	4776.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
48	1.0000	101.00	.30594	.9615-01	4.587	.7907-03	.6608-01
48	1.0000	102.00	.33129	.1063	4.967	.8562-03	.7155-01
48	1.0000	103.00	.22147	.6220-01	3.320	.5724-03	.4783-01
48	1.0000	104.00	.33462	.1077	5.016	.8648-03	.7227-01
48	1.0000	105.00	.17624	.4402-01	2.642	.4555-03	.3807-01
48	1.0000	106.00	.95531-01	.1159-01	1.432	.2469-03	.2063-01
48	1.0000	107.00	.30145	.9434-01	4.519	.7791-03	.6511-01
48	1.0000	108.00	.13366	.2691-01	2.004	.3454-03	.2887-01
48	1.0000	109.00	.58792-01	-.3179-02	.8814	.1519-03	.1270-01
48	1.0000	110.00	.25665	.7634-01	3.848	.6633-03	.5543-01
48	1.0000	111.00	.89521-01	.9171-02	1.342	.2314-03	.1934-01
48	1.0000	112.00	.41023-01	-.1032-01	.6150	.1060-03	.8860-02
48	1.0000	113.00	.29914-01	-.1479-01	.4485	.7731-04	.6461-02
48	1.0000	114.00	.22147	.6220-01	3.320	.5724-03	.4783-01
48	1.0000	115.00	.29128-01	-.1510-01	.4367	.7528-04	.6291-02
48	1.0000	116.00	.28113-01	-.1551-01	.4215	.7266-04	.6072-02
48	1.0000	117.00	.38671-01	-.1127-01	.5798	.9994-04	.8352-02
48	1.0000	118.00	.26052-01	-.1634-01	.3906	.6733-04	.5627-02
48	1.0000	119.00	.43560-01	-.9301-02	.6530	.1126-03	.9408-02
48	1.0000	120.00	.41557-01	-.1011-01	.6230	.1074-03	.8976-02
48	1.0000	121.00	.56564	.2005	8.480	.1462-02	.1222

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD38)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
48	1.0000	122.00	.87898	.3264	13.18	.2272-02	.1898
48	1.0000	123.00	.91755	.3420	13.76	.2371-02	.1982
48	1.0000	124.00	1.0289	.3867	15.42	.2659-02	.2222
48	1.0000	125.00	1.0687	.4027	16.02	.2762-02	.2308
48	1.0000	126.00	.00000	.0000	.0000	.0000	.0000

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD39)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = 5.000 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
51	.1026+07	7.300	2.501	.6703-01	177.7	388.7	1974.	.1197-01	30.00	.0000	.0000	.3165-04

RUN NUMBER	VINF FT/SEC
51	4770.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
51	1.0000	101.00	.41142	.1377	6.138	.1059-02	.8842-01
51	1.0000	102.00	.45112	.1536	6.730	.1161-02	.9696-01
51	1.0000	103.00	.29428	.9088-01	4.390	.7572-03	.6325-01
51	1.0000	104.00	.46801	.1604	6.982	.1204-02	.1006
51	1.0000	105.00	.24129	.6968-01	3.599	.6208-03	.5186-01
51	1.0000	106.00	.12204	.2200-01	1.821	.3140-03	.2623-01
51	1.0000	107.00	.41082	.1375	6.128	.1057-02	.8829-01
51	1.0000	108.00	.17569	.4345-01	2.621	.4520-03	.3776-01
51	1.0000	109.00	.64064-01	-.1188-02	.9557	.1648-03	.1377-01
51	1.0000	110.00	.36872	.1206	5.501	.9487-03	.7925-01
51	1.0000	111.00	.11411	.1883-01	1.702	.2936-03	.2453-01
51	1.0000	112.00	.35212-01	-.1273-01	.5253	.9060-04	.7568-02
51	1.0000	113.00	.14297-01	-.2109-01	.2133	.3679-04	.3073-02
51	1.0000	114.00	.23187	.6592-01	3.459	.5966-03	.4983-01
51	1.0000	115.00	.98153-02	-.2288-01	.1464	.2525-04	.2110-02
51	1.0000	116.00	.50366-02	-.2479-01	.7513-01	.1296-04	.1082-02
51	1.0000	117.00	.16328-01	-.2028-01	.2436	.4201-04	.3509-02
51	1.0000	118.00	-.50250-03	-.2701-01	-.7496-02	-.1293-05	-.1080-03
51	1.0000	119.00	.19277-01	-.1910-01	.2876	.4960-04	.4143-02
51	1.0000	120.00	.19285-01	-.1910-01	.2877	.4962-04	.4145-02
51	1.0000	121.00	.50804	.1764	7.579	.1307-02	.1092

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD39)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
51	1.0000	122.00	1.2572	.4760	18.76	.3235-02	.2702
51	1.0000	123.00	1.3017	.4938	19.42	.3349-02	.2798
51	1.0000	124.00	1.4555	.5552	21.71	.3745-02	.3128
51	1.0000	125.00	1.4956	.5713	22.31	.3848-02	.3214
51	1.0000	126.00	.00000	.0000	.0000	.0000	.0000

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD40)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = -10.00 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
52	.9942+06	7.300	2.522	.6761-01	182.7	393.9	2024.	.1191-01	29.99	.0000	.0000	.3106-04

RUN NUMBER	VINF FT/SEC
52	4836.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
52	1.0000	101.00	.15211	.3351-01	2.250	.3861-03	.3241-01
52	1.0000	102.00	.15934	.3638-01	2.357	.4045-03	.3395-01
52	1.0000	103.00	.10895	.1639-01	1.612	.2766-03	.2321-01
52	1.0000	104.00	.15174	.3336-01	2.244	.3852-03	.3233-01
52	1.0000	105.00	.77976-01	.4112-02	1.153	.1979-03	.1661-01
52	1.0000	106.00	.42479-01	-.9963-02	.6283	.1078-03	.9050-02
52	1.0000	107.00	.14381	.3022-01	2.127	.3651-03	.3064-01
52	1.0000	108.00	.62478-01	-.2033-02	.9241	.1586-03	.1331-01
52	1.0000	109.00	.33558-01	-.1350-01	.4964	.8519-04	.7150-02
52	1.0000	110.00	.11749	.1978-01	1.738	.2983-03	.2503-01
52	1.0000	111.00	.37560-01	-.1191-01	.5556	.9535-04	.8002-02
52	1.0000	112.00	.24235-01	-.1720-01	.3585	.6152-04	.5163-02
52	1.0000	113.00	.22178-01	-.1801-01	.3281	.5630-04	.4725-02
52	1.0000	114.00	.23714	.6722-01	3.508	.6020-03	.5052-01
52	1.0000	115.00	.19019	.4861-01	2.813	.4828-03	.4052-01
52	1.0000	116.00	.20758-01	-.1858-01	.3070	.5269-04	.4423-02
52	1.0000	117.00	.29175-01	-.1524-01	.4316	.7406-04	.6216-02
52	1.0000	118.00	.13676-01	-.2138-01	.2023	.3472-04	.2914-02
52	1.0000	119.00	.34731-01	-.1304-01	.5137	.8817-04	.7400-02
52	1.0000	120.00	.31969-01	-.1413-01	.4729	.8115-04	.6811-02
52	1.0000	121.00	.59407	.2088	8.787	.1508-02	.1266

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD40)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
52	1.0000	122.00	.39839	.1312	5.893	.1011-02	.8488-01
52	1.0000	123.00	.43419	.1454	6.422	.1102-02	.9251-01
52	1.0000	124.00	.49017	.1676	7.250	.1244-02	.1044
52	1.0000	125.00	.53040	.1835	7.845	.1346-02	.1130
52	1.0000	126.00	.00000	.0000	.0000	.0000	.0000

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD41)

ELEVON

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = .0000 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
38	.5088+06	7.300	1.266	.33[illegible] -01	180.3	197.3	2000.	.1194-01	40.00	.0000	.0000	.1580-04

RUN NUMBER	VINF FT/SEC
38	4805.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
38	1.0000	101.00	.29511	.2062	8.693	.1495-02	.1252
38	1.0000	102.00	.32355	.2287	9.531	.1640-02	.1373
38	1.0000	103.00	.22534	.1511	6.638	.1142-02	.9562-01
38	1.0000	104.00	.34814	.2481	10.26	.1764-02	.1477
38	1.0000	105.00	.20006	.1312	5.893	.1014-02	.8489-01
38	1.0000	106.00	.16681	.1049	4.914	.8453-03	.7078-01
38	1.0000	107.00	.32947	.2334	9.706	.1670-02	.1398
38	1.0000	108.00	.17123	.1084	5.044	.8677-03	.7266-01
38	1.0000	109.00	.11425	.6341-01	3.365	.5789-03	.4848-01
38	1.0000	110.00	.30782	.2163	9.067	.1560-02	.1306
38	1.0000	111.00	.13666	.8111-01	4.026	.6925-03	.5799-01
38	1.0000	112.00	.69641-01	.2819-01	2.051	.3529-03	.2955-01
38	1.0000	113.00	.29921-01	-.3179-02	.8814	.1516-03	.1270-01
38	1.0000	114.00	.22802	.1533	6.717	.1155-02	.9676-01
38	1.0000	115.00	.14085-01	-.1569-01	.4149	.7137-04	.5977-02
38	1.0000	116.00	.90312-02	-.1968-01	.2660	.4577-04	.3832-02
38	1.0000	117.00	.16943-01	-.1343-01	.4991	.8586-04	.7190-02
38	1.0000	118.00	-.50069-02	-.3076-01	-.1475	-.2537-04	-.2125-02
38	1.0000	119.00	.18742-01	-.1201-01	.5521	.9497-04	.7953-02
38	1.0000	120.00	.26600-01	-.5802-02	.7836	.1348-03	.1129-01
38	1.0000	121.00	.53615	.3966	15.79	.2717-02	.2275

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD41)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
38	1.0000	122.00	.97500	.7431	28.72	.4941-02	.4137
38	1.0000	123.00	1.0067	.7682	29.65	.5101-02	.4272
38	1.0000	124.00	1.0932	.8364	32.20	.5540-02	.4639
38	1.0000	125.00	1.1537	.8842	33.98	.5846-02	.4896
38	1.0000	126.00	1.1348	.8693	33.43	.5751-02	.4816

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD42)

ELEVON

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = 5.000 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
41	.5159+06	7.300	1.294	.3469-01	181.3	201.9	2010.	.1193-01	40.00	.0000	.0000	.1606-04

RUN NUMBER	VINF FT/SEC
41	4818.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
41	1.0000	101.00	.36604	.2560	10.55	.1813-02	.1520
41	1.0000	102.00	.40257	.2842	11.60	.1994-02	.1671
41	1.0000	103.00	.27851	.1884	8.028	.1380-02	.1156
41	1.0000	104.00	.44461	.3167	12.82	.2202-02	.1846
41	1.0000	105.00	.25245	.1683	7.276	.1250-02	.1048
41	1.0000	106.00	.21361	.1382	6.157	.1058-02	.8869-01
41	1.0000	107.00	.43071	.3060	12.41	.2133-02	.1788
41	1.0000	108.00	.21443	.1389	6.181	.1062-02	.8903-01
41	1.0000	109.00	.15092	.8981-01	4.350	.7476-03	.6266-01
41	1.0000	110.00	.40839	.2887	11.77	.2023-02	.1696
41	1.0000	111.00	.18385	.1152	5.299	.9107-03	.7633-01
41	1.0000	112.00	.88806-01	.4181-01	2.560	.4399-03	.3687-01
41	1.0000	113.00	.42260-01	.5846-02	1.218	.2093-03	.1755-01
41	1.0000	114.00	.21443	.1389	6.181	.1062-02	.8903-01
41	1.0000	115.00	.15283-01	-.1500-01	.4405	.7571-04	.6346-02
41	1.0000	116.00	.92130-02	-.1969-01	.2655	.4564-04	.3825-02
41	1.0000	117.00	.15953-01	-.1448-01	.4598	.7902-04	.6623-02
41	1.0000	118.00	.59745-02	-.2219-01	.1722	.2959-04	.2481-02
41	1.0000	119.00	.18639-01	-.1241-01	.5372	.9233-04	.7739-02
41	1.0000	120.00	.20481-01	-.1098-01	.5903	.1015-03	.8504-02
41	1.0000	121.00	.57955	.4210	16.70	.2871-02	.2406

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD42)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
41	1.0000	122.00	1.2454	.9355	35.90	.6169-02	.5171
41	1.0000	123.00	1.2987	.9767	37.43	.6433-02	.5392
41	1.0000	124.00	1.4120	1.064	40.70	.6995-02	.5863
41	1.0000	125.00	1.4865	1.122	42.84	.7363-02	.6172
41	1.0000	126.00	1.4605	1.102	42.10	.7234-02	.6064

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD43)

ELEVON

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = -10.00 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
43	.5094+06	7.300	1.253	.3358-01	178.8	194.9	1985.	.1196-01	40.01	.0000	.0000	.1576-04

RUN NUMBER	VINF FT/SEC
43	4785.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
43	1.0000	101.00	.19060	.1254	5.677	.9780-03	.8178-01
43	1.0000	102.00	.20082	.1335	5.981	.1030-02	.8616-01
43	1.0000	103.00	.14033	.8523-01	4.179	.7200-03	.6021-01
43	1.0000	104.00	.20156	.1341	6.003	.1034-02	.8648-01
43	1.0000	105.00	.11190	.6254-01	3.333	.5742-03	.4801-01
43	1.0000	106.00	.88170-01	.4359-01	2.626	.4524-03	.3783-01
43	1.0000	107.00	.19337	.1276	5.759	.9922-03	.8297-01
43	1.0000	108.00	.87052-01	.4269-01	2.593	.4467-03	.3735-01
43	1.0000	109.00	.49253-01	.1252-01	1.467	.2527-03	.2113-01
43	1.0000	110.00	.18101	.1177	5.391	.9288-03	.7766-01
43	1.0000	111.00	.62501-01	.2309-01	1.861	.3207-03	.2682-01
43	1.0000	112.00	.36759-01	.2540-02	1.095	.1886-03	.1577-01
43	1.0000	113.00	.32778-01	-.6377-03	.9762	.1682-03	.1406-01
43	1.0000	114.00	.23298	.1592	6.939	.1195-02	.9996-01
43	1.0000	115.00	.19907	.1321	5.929	.1021-02	.8541-01
43	1.0000	116.00	.27887-01	-.4543-02	.8306	.1431-03	.1197-01
43	1.0000	117.00	.33901-01	.2599-03	1.010	.1739-03	.1455-01
43	1.0000	118.00	.23805-01	-.7802-02	.7090	.1221-03	.1021-01
43	1.0000	119.00	.37608-01	.3218-02	1.120	.1930-03	.1614-01
43	1.0000	120.00	.36439-01	.2285-02	1.085	.1870-03	.1563-01
43	1.0000	121.00	.60553	.4566	18.03	.3107-02	.2598

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD43)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
43	1.0000	122.00	.55252	.4143	16.46	.2835-02	.2371
43	1.0000	123.00	.57310	.4307	17.07	.2941-02	.2459
43	1.0000	124.00	.61657	.4655	18.36	.3164-02	.2645
43	1.0000	125.00	.66422	.5035	19.78	.3408-02	.2850
43	1.0000	126.00	.64498	.4881	19.21	.3309-02	.2767

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD44)

ELEVON

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = -10.00 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
44	.7161+06	7.300	1.876	.5029-01	186.8	294.3	2065.	.1187-01	40.00	.0000	.0000	.2260-04

RUN NUMBER	VINF FT/SEC
44	4890.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
44	1.0000	101.00	.26002	.1118	5.171	.8837-03	.7446-01
44	1.0000	102.00	.28924	.1274	5.752	.9829-03	.8283-01
44	1.0000	103.00	.19813	.7881-01	3.940	.6733-03	.5674-01
44	1.0000	104.00	.29207	.1289	5.808	.9926-03	.8364-01
44	1.0000	105.00	.16113	.5908-01	3.204	.5476-03	.4614-01
44	1.0000	106.00	.12329	.3891-01	2.452	.4190-03	.3530-01
44	1.0000	107.00	.27476	.1197	5.464	.9337-03	.7868-01
44	1.0000	108.00	.12460	.3961-01	2.478	.4234-03	.3568-01
44	1.0000	109.00	.62026-01	.6256-02	1.233	.2108-03	.1776-01
44	1.0000	110.00	.25958	.1116	5.162	.8821-03	.7433-01
44	1.0000	111.00	.92540-01	.2252-01	1.840	.3145-03	.2650-01
44	1.0000	112.00	.36661-01	-.7265-02	.7290	.1246-03	.1050-01
44	1.0000	113.00	.23477-01	-.1429-01	.4668	.7978-04	.6723-02
44	1.0000	114.00	.31885	.1432	6.340	.1084-02	.9131-01
44	1.0000	115.00	.28712	.1262	5.709	.9757-03	.8222-01
44	1.0000	116.00	.16418-01	-.1806-01	.3265	.5580-04	.4702-02
44	1.0000	117.00	.26588-01	-.1263-01	.5287	.9035-04	.7614-02
44	1.0000	118.00	.13142-01	-.1980-01	.2613	.4466-04	.3763-02
44	1.0000	119.00	.30635-01	-.1048-01	.6092	.1041-03	.8773-02
44	1.0000	120.00	.27749-01	-.1202-01	.5518	.9430-04	.7946-02
44	1.0000	121.00	.82009	.4104	16.31	.2787-02	.2348

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD44)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
44	1.0000	122.00	.80547	.4026	16.02	.2737-02	.2307
44	1.0000	123.00	.83201	.4167	16.54	.2827-02	.2383
44	1.0000	124.00	.91002	.4583	18.10	.3093-02	.2606
44	1.0000	125.00	.97332	.4920	19.35	.3308-02	.2787
44	1.0000	126.00	.94305	.4759	18.75	.3205-02	.2701

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD45)

ELEVON

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = .0000 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
39	.1042+07	7.300	2.533	.6789-01	177.4	393.5	1970.	.1198-01	40.04	.0000	.0000	.3212-04

RUN NUMBER	VINF FT/SEC
39	4765.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
39	1.0000	101.00	.56391	.1959	8.306	.1433-02	.1197
39	1.0000	102.00	.63231	.2229	9.313	.1607-02	.1342
39	1.0000	103.00	.41374	.1366	6.094	.1051-02	.8780-01
39	1.0000	104.00	.69006	.2457	10.16	.1754-02	.1464
39	1.0000	105.00	.37177	.1200	5.476	.9448-03	.7889-01
39	1.0000	106.00	.31686	.9830-01	4.667	.8052-03	.6724-01
39	1.0000	107.00	.64311	.2271	9.472	.1634-02	.1365
39	1.0000	108.00	.31441	.9734-01	4.631	.7990-03	.6672-01
39	1.0000	109.00	.20847	.5551-01	3.071	.5298-03	.4424-01
39	1.0000	110.00	.60942	.2138	8.976	.1549-02	.1293
39	1.0000	111.00	.27645	.8235-01	4.072	.7025-03	.5866-01
39	1.0000	112.00	.13552	.2670-01	1.996	.3444-03	.2876-01
39	1.0000	113.00	.62824-01	-.2002-02	.9253	.1597-03	.1333-01
39	1.0000	114.00	.22770	.6310-01	3.354	.5787-03	.4832-01
39	1.0000	115.00	.27752-01	-.1585-01	.4088	.7052-04	.5889-02
39	1.0000	116.00	.19816-01	-.1898-01	.2919	.5036-04	.4205-02
39	1.0000	117.00	.29923-01	-.1499-01	.4407	.7604-04	.6350-02
39	1.0000	118.00	.47352-02	-.2494-01	.6974-01	.1203-04	.1005-02
39	1.0000	119.00	.27706-01	-.1587-01	.4081	.7041-04	.5879-02
39	1.0000	120.00	.41688-01	-.1035-01	.6140	.1059-03	.8846-02
39	1.0000	121.00	.97077	.3565	14.30	.2467-02	.2060

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD45)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
39	1.0000	122.00	1.9315	.7358	28.45	.4908-02	.4099
39	1.0000	123.00	2.0009	.7633	29.47	.5085-02	.4246
39	1.0000	124.00	2.1631	.8273	31.86	.5497-02	.4590
39	1.0000	125.00	2.2730	.8707	33.48	.5776-02	.4824
39	1.0000	126.00	2.2273	.8527	32.81	.5660-02	.4727

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD46)

ELEVON

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = 5.000 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
42	.9925+06	7.300	2.498	.6697-01	181.7	389.8	2014.	.1193-01	40.02	.0000	.0000	.3093-04

RUN NUMBER	VINF FT/SEC
42	4823.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
42	1.0000	101.00	.67121	.2419	10.02	.1722-02	.1444
42	1.0000	102.00	.74896	.2730	11.18	.1921-02	.1611
42	1.0000	103.00	.49952	.1732	7.459	.1281-02	.1074
42	1.0000	104.00	.83564	.3077	12.48	.2144-02	.1797
42	1.0000	105.00	.45338	.1547	6.770	.1163-02	.9752-01
42	1.0000	106.00	.36875	.1208	5.506	.9459-03	.7932-01
42	1.0000	107.00	.79838	.2928	11.92	.2048-02	.1717
42	1.0000	108.00	.38108	.1257	5.691	.9775-03	.8197-01
42	1.0000	109.00	.24973	.7316-01	3.729	.6406-03	.5372-01
42	1.0000	110.00	.77374	.2829	11.55	.1985-02	.1664
42	1.0000	111.00	.33923	.1090	5.066	.8702-03	.7297-01
42	1.0000	112.00	.15141	.3380-01	2.261	.3884-03	.3257-01
42	1.0000	113.00	.59011-01	-.3195-02	.8812	.1514-03	.1269-01
42	1.0000	114.00	.19719	.5213-01	2.945	.5058-03	.4242-01
42	1.0000	115.00	.20857-01	-.1846-01	.3115	.5350-04	.4486-02
42	1.0000	116.00	.11846-01	-.2207-01	.1769	.3039-04	.2548-02
42	1.0000	117.00	.22599-01	-.1776-01	.3375	.5797-04	.4861-02
42	1.0000	118.00	.10940-01	-.2243-01	.1634	.2806-04	.2353-02
42	1.0000	119.00	.25828-01	-.1647-01	.3857	.6625-04	.5556-02
42	1.0000	120.00	.26382-01	-.1625-01	.3940	.6768-04	.5675-02
42	1.0000	121.00	1.0149	.3795	15.16	.2603-02	.2183

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD46)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
42	1.0000	122.00	2.3235	.9033	34.70	.5960-02	.4998
42	1.0000	123.00	2.4044	.9357	35.91	.6168-02	.5172
42	1.0000	124.00	2.6249	1.024	39.20	.6733-02	.5646
42	1.0000	125.00	2.7392	1.070	40.90	.7027-02	.5892
42	1.0000	126.00	2.7149	1.060	40.54	.6964-02	.5840

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2X047)

ELEVON

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = -10.00 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
45	.1019+07	7.300	2.507	.6722-01	178.9	390.2	1986.	.1196-01	40.00	.0000	.0000	.3153-04

RUN NUMBER	VINF FT/SEC
45	4785.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
45	1.0000	101.00	.28902	.8846-01	4.300	.7408-03	.6195-01
45	1.0000	102.00	.32954	.1046	4.903	.8446-03	.7063-01
45	1.0000	103.00	.20873	.5644-01	3.105	.5350-03	.4474-01
45	1.0000	104.00	.34424	.1105	5.121	.8823-03	.7378-01
45	1.0000	105.00	.16567	.3927-01	2.465	.4246-03	.3551-01
45	1.0000	106.00	.11781	.2018-01	1.753	.3020-03	.2525-01
45	1.0000	107.00	.31962	.1007	4.755	.8192-03	.6851-01
45	1.0000	108.00	.12310	.2229-01	1.831	.3155-03	.2638-01
45	1.0000	109.00	.39004-01	-.1125-01	.5803	.9997-04	.8360-02
45	1.0000	110.00	.29847	.9223-01	4.441	.7650-03	.6397-01
45	1.0000	111.00	.84035-01	.6708-02	1.250	.2154-03	.1801-01
45	1.0000	112.00	.11565-01	-.2219-01	.1721	.2964-04	.2479-02
45	1.0000	113.00	-.19961-01	-.3477-01	-.2970	-.5116-04	-.4278-02
45	1.0000	114.00	.14672	.3171-01	2.183	.3761-03	.3145-01
45	1.0000	115.00	.31755	.9984-01	4.724	.8139-03	.6806-01
45	1.0000	116.00	-.23661-01	-.3624-01	-.3520	-.6064-04	-.5071-02
45	1.0000	117.00	-.13847-01	-.3233-01	-.2060	-.3549-04	-.2968-02
45	1.0000	118.00	-.29330-01	-.3851-01	-.4364	-.7517-04	-.6286-02
45	1.0000	119.00	-.13275-01	-.3210-01	-.1975	-.3402-04	-.2845-02
45	1.0000	120.00	-.98758-02	-.3075-01	-.1469	-.2531-04	-.2117-02
45	1.0000	121.00	.96426	.3578	14.35	.2471-02	.2067

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD47)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
45	1.0000	122.00	1.0272	.3829	15.28	.2633-02	.2202
45	1.0000	123.00	1.0566	.3946	15.72	.2708-02	.2265
45	1.0000	124.00	1.1687	.4393	17.39	.2995-02	.2505
45	1.0000	125.00	1.2418	.4685	18.48	.3183-02	.2632
45	1.0000	126.00	1.2060	.4542	17.94	.3091-02	.2583

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD48)

ELEVON

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = .0000 RN/L = 3.000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
40	.2889+07	7.300	7.412	.1987	184.1	1160.	2038.	.1190-01	40.05	.0000	.0000	.9057-04

RUN NUMBER	VINF FT/SEC
40	4855.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
40	1.0000	101.00	1.5594	.1836	7.848	.1345-02	.1130
40	1.0000	102.00	1.7771	.2129	8.943	.1533-02	.1288
40	1.0000	103.00	1.1054	.1223	5.563	.9533-03	.8012-01
40	1.0000	104.00	1.9326	.2339	9.726	.1667-02	.1401
40	1.0000	105.00	1.0204	.1109	5.135	.8800-03	.7396-01
40	1.0000	106.00	.70608	.6845-01	3.553	.6089-03	.5118-01
40	1.0000	107.00	1.7978	.2157	9.048	.1550-02	.1303
40	1.0000	108.00	.82644	.8469-01	4.159	.7127-03	.5990-01
40	1.0000	109.00	.43000	.3120-01	2.164	.3708-03	.3117-01
40	1.0000	110.00	1.7363	.2074	8.738	.1497-02	.1259
40	1.0000	111.00	.75596	.7518-01	3.804	.6519-03	.5479-01
40	1.0000	112.00	.35523	.2112-01	1.788	.3064-03	.2575-01
40	1.0000	113.00	.16084	-.5109-02	.8094	.1387-03	.1166-01
40	1.0000	114.00	.28272	.1133-01	1.423	.2438-03	.2049-01
40	1.0000	115.00	.12064	-.1053-01	.6071	.1040-03	.8744-02
40	1.0000	116.00	.53476-01	-.1959-01	.2691	.4612-04	.3876-02
40	1.0000	117.00	.69402-01	-.1744-01	.3493	.5985-04	.5030-02
40	1.0000	118.00	.37747-01	-.2172-01	.1900	.3255-04	.2736-02
40	1.0000	119.00	.61934-01	-.1845-01	.3117	.5341-04	.4489-02
40	1.0000	120.00	.88103-01	-.1492-01	.4434	.7598-04	.6386-02
40	1.0000	121.00	2.5976	.3236	13.07	.2240-02	.1883

OH58 ELEVON/ELEVON-PRESSURES ELEVON (R2XD48)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
40	1.0000	122.00	4.5771	.5907	23.03	.3947-02	.3318
40	1.0000	123.00	.00000	.0000	.0000	.0000	.0000
40	1.0000	124.00	.00000	.0000	.0000	.0000	.0000
40	1.0000	125.00	6.2659	.8165	31.53	.5404-02	.4542
40	1.0000	126.00	.00000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON (R2X049)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
73	.5153+06	7.300	1.258	.3372-01	178.0	195.6	1976.	.1197-01	30.00	.0000	.0000	.1590-04

RUN NUMBER	VINF FT/SEC
73	4773.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
73	1.0000	101.00	.14052	.8490-01	4.167	.7185-03	.6004-01
73	1.0000	102.00	.12822	.7512-01	3.802	.6556-03	.5478-01
73	1.0000	103.00	.11728	.6643-01	3.478	.5997-03	.5011-01
73	1.0000	104.00	.12526	.7277-01	3.715	.6405-03	.5352-01
73	1.0000	105.00	.10042	.5303-01	2.978	.5135-03	.4290-01
73	1.0000	106.00	.73880-01	.3193-01	2.191	.3778-03	.3156-01
73	1.0000	107.00	.11851	.6740-01	3.514	.6060-03	.5063-01
73	1.0000	108.00	.89229-01	.4413-01	2.646	.4563-03	.3812-01
73	1.0000	109.00	.53652-01	.1584-01	1.591	.2744-03	.2292-01
73	1.0000	110.00	.11618	.6555-01	3.445	.5941-03	.4964-01
73	1.0000	111.00	.60737-01	.2148-01	1.801	.3106-03	.2595-01
73	1.0000	112.00	.37706-01	.3168-02	1.118	.1928-03	.1611-01
73	1.0000	113.00	.36236-01	.1999-02	1.075	.1853-03	.1548-01
0	1.0000	114.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	115.00	.00000	.0000	.0000	.0000	.0000
73	1.0000	116.00	.36671	.2647	10.87	.1875-02	.1567
0	1.0000	117.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	118.00	.00000	.0000	.0000	.0000	.0000
73	1.0000	119.00	.27249-01	-.5145-02	.8081	.1393-03	.1164-01
0	1.0000	120.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	121.00	.00000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON (R2XD49)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
73	1.0000	122.00	.47708	.3525	14.15	.2440-02	.2038
73	1.0000	123.00	.52524	.3907	15.58	.2686-02	.2244
73	1.0000	124.00	.59052	.4426	17.51	.3020-02	.2523
73	1.0000	125.00	.62332	.4687	18.48	.3187-02	.2663
73	1.0000	126.00	.64149	.4832	19.02	.3280-02	.2741

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON (R2XD50)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
64	.5344+06	7.300	1.271	.3408-01	174.8	197.1	1945.	.1200-01	30.00	.0000	.0000	.1636-04

RUN NUMBER	VINF FT/SEC
64	4731.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
64	1.0000	101.00	.18691	.1202	5.484	.9485-03	.7902-01
64	1.0000	102.00	.18148	.1159	5.325	.9210-03	.7672-01
64	1.0000	103.00	.41142	.2968	12.07	.2088-02	.1739
64	1.0000	104.00	.26057	.1781	7.645	.1322-02	.1102
64	1.0000	105.00	.23330	.1567	6.845	.1184-02	.9863-01
64	1.0000	106.00	.86115-01	.4092-01	2.527	.4370-03	.3640-01
64	1.0000	107.00	.24378	.1649	7.152	.1237-02	.1031
64	1.0000	108.00	.11682	.6507-01	3.427	.5928-03	.4938-01
64	1.0000	109.00	.47998-01	.1094-01	1.408	.2436-03	.2029-01
64	1.0000	110.00	.13760	.8142-01	4.037	.6983-03	.5817-01
64	1.0000	111.00	.80762-01	.3671-01	2.369	.4098-03	.3414-01
64	1.0000	112.00	.31952-01	-.1677-02	.9374	.1621-03	.1351-01
64	1.0000	113.00	.13668-01	-.1134-01	.5771	.9981-04	.8315-02
0	1.0000	114.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	115.00	.00000	.0000	.0000	.0000	.0000
64	1.0000	116.00	.31506	.2210	9.244	.1599-02	.1332
0	1.0000	117.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	118.00	.00000	.0000	.0000	.0000	.0000
64	1.0000	119.00	.42490-02	-.2347-01	.1247	.2156-04	.1796-02
0	1.0000	120.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	121.00	.00000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON (R2XD50)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
64	1.0000	122.00	.68695	.5135	20.15	.3486-02	.2904
64	1.0000	123.00	.76517	.5750	22.45	.3883-02	.3235
64	1.0000	124.00	.90884	.6880	26.66	.4612-02	.3842
64	1.0000	125.00	1.0074	.7656	29.56	.5112-02	.4259
64	1.0000	126.00	1.1077	.8444	32.50	.5621-02	.4683

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON (R2XD51)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
69	.5036+06	7.300	1.263	.3387-01	181.3	197.1	2010.	.1193-01	30.00	.0000	.0000	.1568-04

RUN NUMBER	VINF FT/SEC
69	4818.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
69	1.0000	101.00	.55383-01	.1703-01	1.635	.2810-03	.2356-01
69	1.0000	102.00	.43751-01	.7825-02	1.292	.2220-03	.1861-01
69	1.0000	103.00	.36331-01	.1951-02	1.073	.1844-03	.1545-01
69	1.0000	104.00	.52714-01	.1492-01	1.557	.2675-03	.2242-01
69	1.0000	105.00	.28186-01	-.4496-02	.8323	.1430-03	.1199-01
69	1.0000	106.00	.19233-01	-.1158-01	.5679	.9760-04	.8181-02
69	1.0000	107.00	.47319-01	.1065-01	1.397	.2401-03	.2013-01
69	1.0000	108.00	.20136-01	-.1087-01	.5946	.1022-03	.8565-02
69	1.0000	109.00	.43620-02	-.2335-01	.1288	.2214-04	.1855-02
69	1.0000	110.00	.31412-01	-.1943-02	.9275	.1594-03	.1336-01
69	1.0000	111.00	.44467-02	-.2329-01	.1313	.2257-04	.1891-02
69	1.0000	112.00	-.59501-02	-.3152-01	-.1757	-.3019-04	-.2531-02
69	1.0000	113.00	-.10254-02	-.2762-01	-.3028-01	-.5203-05	-.4361-03
0	1.0000	114.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	115.00	.00000	.0000	.0000	.0000	.0000
69	1.0000	116.00	.40741	.2957	12.03	.2067-02	.1733
0	1.0000	117.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	118.00	.00000	.0000	.0000	.0000	.0000
69	1.0000	119.00	-.42825-02	-.3020-01	-.1265	-.2173-04	-.1822-02
0	1.0000	120.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	121.00	.00000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON (R2XD51)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
69	1.0000	122.00	.21618	.1443	6.383	.1097-02	.9195-01
69	1.0000	123.00	.24277	.1654	7.168	.1232-02	.1033
69	1.0000	124.00	.28544	.1991	8.428	.1448-02	.1214
69	1.0000	125.00	.32350	.2293	9.552	.1642-02	.1376
69	1.0000	126.00	.32207	.2281	9.510	.1634-02	.1370

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON (R2XD52)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
72	.7629+06	7.300	1.890	.5067-01	179.8	294.4	1995.	.1195-01	30.00	.0000	.0000	.2365-04

RUN NUMBER	VINF FT/SEC
72	4797.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
72	1.0000	101.00	.19443	.7605-01	3.837	.6604-03	.5528-01
72	1.0000	102.00	.19246	.7501-01	3.798	.6537-03	.5471-01
72	1.0000	103.00	.16455	.6025-01	3.247	.5589-03	.4678-01
72	1.0000	104.00	.19409	.7587-01	3.830	.6593-03	.5518-01
72	1.0000	105.00	.15120	.5318-01	2.984	.5136-03	.4299-01
72	1.0000	106.00	.10952	.3113-01	2.161	.3720-03	.3114-01
72	1.0000	107.00	.18599	.7159-01	3.670	.6318-03	.5288-01
72	1.0000	108.00	.13459	.4439-01	2.656	.4572-03	.3826-01
72	1.0000	109.00	.76018-01	.1341-01	1.500	.2582-03	.2161-01
72	1.0000	110.00	.17090	.6360-01	3.373	.5805-03	.4859-01
72	1.0000	111.00	.78610-01	.1478-01	1.551	.2670-03	.2235-01
72	1.0000	112.00	.40679-01	-.5286-02	.8028	.1382-03	.1157-01
72	1.0000	113.00	.43517-01	-.3795-02	.8588	.1478-03	.1237-01
0	1.0000	114.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	115.00	.00000	.0000	.0000	.0000	.0000
72	1.0000	116.00	.48958	.2322	9.662	.1663-02	.1392
0	1.0000	117.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	118.00	.00000	.0000	.0000	.0000	.0000
72	1.0000	119.00	.38766-01	-.6299-02	.7650	.1317-03	.1102-01
0	1.0000	120.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	121.00	.00000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON (R2X052)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
72	1.0000	122.00	.70415	.3457	13.90	.2392-02	.2002
72	1.0000	123.00	.76946	.3803	15.19	.2614-02	.2188
72	1.0000	124.00	.86870	.4328	17.14	.2951-02	.2470
72	1.0000	125.00	.91729	.4585	18.10	.3116-02	.2608
72	1.0000	126.00	.94128	.4712	18.58	.3197-02	.2676

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON (R2XD53)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
62	.7671+06	7.300	1.911	.5123-01	180.4	297.9	2001.	.1194-01	30.00	.0000	.0000	.2383-04

RUN NUMBER	VINF FT/SEC
62	4806.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
62	1.0000	101.00	.29367	.1269	5.732	.9859-03	.8257-01
62	1.0000	102.00	.27564	.1174	5.380	.9254-03	.7750-01
62	1.0000	103.00	.63608	.3060	12.41	.2135-02	.1788
62	1.0000	104.00	.40909	.1872	7.985	.1373-02	.1150
62	1.0000	105.00	.37147	.1676	7.250	.1247-02	.1044
62	1.0000	106.00	.16218	.5805-01	3.165	.5445-03	.4560-01
62	1.0000	107.00	.39127	.1779	7.637	.1314-02	.1100
62	1.0000	108.00	.21850	.8752-01	4.265	.7336-03	.6143-01
62	1.0000	109.00	.11325	.3245-01	2.211	.3802-03	.3184-01
62	1.0000	110.00	.25309	.1056	4.940	.8497-03	.7116-01
62	1.0000	111.00	.15633	.5499-01	3.051	.5248-03	.4396-01
62	1.0000	112.00	.69400-01	.9504-02	1.355	.2330-03	.1951-01
62	1.0000	113.00	.47175-01	-.2124-02	.9208	.1584-03	.1326-01
0	1.0000	114.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	115.00	.00000	.0000	.0000	.0000	.0000
62	1.0000	116.00	.27591	.1176	5.385	.9263-03	.7758-01
0	1.0000	117.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	118.00	.00000	.0000	.0000	.0000	.0000
62	1.0000	119.00	.25463-01	-.1348-01	.4970	.8548-04	.7159-02
0	1.0000	120.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	121.00	.00000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON (R2X(53)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
62	1.0000	122.00	1.0530	.5241	20.55	.3535-02	.2961
62	1.0000	123.00	1.1634	.5819	22.71	.3906-02	.3271
62	1.0000	124.00	1.3881	.6995	27.09	.4660-02	.3903
62	1.0000	125.00	1.5320	.7748	29.90	.5143-02	.4308
62	1.0000	126.00	1.6973	.8613	33.13	.5698-02	.4772

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON (R2XD54)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R.	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
68	.7541+06	7.300	1.898	.5087-01	181.7	296.1	2014.	.1193-01	30.08	.0000	.0000	.2350-04

RUN NUMBER	VINF FT/SEC
68	4823.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
68	1.0000	101.00	.98249-01	.2497-01	1.931	.3318-03	.2782-01
68	1.0000	102.00	.92793-01	.2209-01	1.824	.3134-03	.2627-01
68	1.0000	103.00	.77775-01	.1418-01	1.529	.2626-03	.2202-01
68	1.0000	104.00	.11240	.3243-01	2.210	.3796-03	.3183-01
68	1.0000	105.00	.72453-01	.1137-01	1.424	.2447-03	.2052-01
68	1.0000	106.00	.50221-01	-.3427-03	.9872	.1696-03	.1422-01
68	1.0000	107.00	.10445	.2824-01	2.053	.3527-03	.2958-01
68	1.0000	108.00	.58008-01	.3761-02	1.140	.1959-03	.1643-01
68	1.0000	109.00	.31435-01	-.1024-01	.6179	.1062-03	.8901-02
68	1.0000	110.00	.70718-01	.1046-01	1.390	.2388-03	.2002-01
68	1.0000	111.00	.28124-01	-.1199-01	.5528	.9497-04	.7963-02
68	1.0000	112.00	.16333-01	-.1820-01	.3211	.5515-04	.4625-02
68	1.0000	113.00	.22609-01	-.1499-01	.4444	.7635-04	.6402-02
0	1.0000	114.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	115.00	.00000	.0000	.0000	.0000	.0000
68	1.0000	116.00	.39660	.1822	7.796	.1339-02	.1123
0	1.0000	117.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	118.00	.00000	.0000	.0000	.0000	.0000
68	1.0000	119.00	.18684-01	-.1696-01	.3673	.6309-04	.5290-02
0	1.0000	120.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	121.00	.00000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON (R2XD54)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
68	1.0000	122.00	.34811	.1566	6.843	.1176-02	.9857-01
68	1.0000	123.00	.38983	.1786	7.663	.1316-02	.1104
68	1.0000	124.00	.46338	.2174	3.109	.1565-02	.1312
68	1.0000	125.00	.51187	.2429	10.06	.1729-02	.1449
68	1.0000	126.00	.51644	.2453	10.15	.1744-02	.1462

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON (R2XD55)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
71	.1023+07	7.300	2.503	.6709-01	178.2	389.2	1979.	.1197-01	30.00	.0000	.0000	.3159-04

RUN NUMBER	VINF FT/SEC
71	4777.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
71	1.0000	101.00	.22196	.6188-01	3.308	.5703-03	.4766-01
71	1.0000	102.00	.22054	.6132-01	3.287	.5667-03	.4736-01
71	1.0000	103.00	.20001	.5311-01	2.981	.5139-03	.4295-01
71	1.0000	104.00	.23176	.6580-01	3.455	.5955-03	.4977-01
71	1.0000	105.00	.18520	.4720-01	2.761	.4759-03	.3977-01
71	1.0000	106.00	.12455	.2296-01	1.856	.3200-03	.2675-01
71	1.0000	107.00	.22002	.6111-01	3.280	.5653-03	.4725-01
71	1.0000	108.00	.15945	.3691-01	2.377	.4097-03	.3424-01
71	1.0000	109.00	.83419-01	.6525-02	1.243	.2143-03	.1791-01
71	1.0000	110.00	.21516	.5916-01	3.207	.5528-03	.4620-01
71	1.0000	111.00	.89925-01	.9125-02	1.340	.2311-03	.1931-01
71	1.0000	112.00	.39649-01	-.1096-01	.5910	.1019-03	.8514-02
71	1.0000	113.00	.33978-01	-.1323-01	.5065	.8731-04	.7296-02
0	1.0000	114.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	115.00	.00000	.0000	.0000	.0000	.0000
71	1.0000	116.00	.38270	.1261	5.704	.9833-03	.8218-01
0	1.0000	117.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	118.00	.00000	.0000	.0000	.0000	.0000
71	1.0000	119.00	.26591-01	-.1618-01	.3963	.6832-04	.5710-02
0	1.0000	120.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	121.00	.00000	.0000	.0000	.0000	.0000

(R2XD55)

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
71	1.0000	122.00	.92731	.3437	13.82	.2383-02	.1991
71	1.0000	123.00	1.0125	.3778	15.09	.2602-02	.2174
71	1.0000	124.00	1.1663	.4392	17.38	.2997-02	.2505
71	1.0000	125.00	1.2166	.4593	18.13	.3126-02	.2613
71	1.0000	126.00	1.2596	.4765	18.77	.3236-02	.2705

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
61	.1034+07	7.300	2.479	.6647-01	175.8	384.6	1954.	.1199-01	30.00	.0000	.0000	.3173-04

RUN NUMBER	VINF FT/SEC
61	4744.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
61	1.0000	101.00	.39874	.1340	5.999	.1037-02	.8644-01
61	1.0000	102.00	.36865	.1219	5.546	.9584-03	.7991-01
61	1.0000	103.00	.86117	.3205	12.96	.2239-02	.1867
61	1.0000	104.00	.54640	.1936	8.221	.1421-02	.1184
61	1.0000	105.00	.48559	.1690	7.306	.1262-02	.1053
61	1.0000	106.00	.20855	.5731-01	3.138	.5422-03	.4521-01
61	1.0000	107.00	.51875	.1824	7.805	.1349-02	.1125
61	1.0000	108.00	.28819	.8942-01	4.336	.7492-03	.6247-01
61	1.0000	109.00	.14913	.3334-01	2.244	.3877-03	.3233-01
61	1.0000	110.00	.34696	.1131	5.220	.9020-03	.7521-01
61	1.0000	111.00	.20937	.5763-01	3.150	.5443-03	.4539-01
61	1.0000	112.00	.10146	.1411-01	1.526	.2638-03	.2199-01
61	1.0000	113.00	.59319-01	-.2893-02	.8925	.1542-03	.1286-01
0	1.0000	114.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	115.00	.00000	.0000	.0000	.0000	.0000
61	1.0000	116.00	.24491	.7197-01	3.685	.6367-03	.5309-01
0	1.0000	117.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	118.00	.00000	.0000	.0000	.0000	.0000
61	1.0000	119.00	.32061-01	-.1388-01	.4824	.8335-04	.6950-02
0	1.0000	120.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	121.00	.00000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON (R2XD56)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
61	1.0000	122.00	1.3647	.5236	20.53	.3548-02	.2958
61	1.0000	123.00	1.5136	.5836	22.77	.3935-02	.3281
61	1.0000	124.00	1.8181	.7064	27.35	.4727-02	.3941
61	1.0000	125.00	1.9884	.7752	29.92	.5170-02	.4310
61	1.0000	126.00	2.2022	.8614	33.13	.5725-02	.4774

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON (R2XD57)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
67	.1018+07	7.300	2.505	.6714-01	178.8	389.7	1985.	.1196-01	30.00	.0000	.0000	.3150-04

RUN NUMBER	VINF FT/SEC
67	4785.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
67	1.0000	101.00	.12076	.2141-01	1.799	.3099-03	.2591-01
67	1.0000	102.00	.10266	.1418-01	1.529	.2634-03	.2203-01
67	1.0000	103.00	.92052-01	.9946-02	1.371	.2362-03	.1975-01
67	1.0000	104.00	.14836	.3243-01	2.210	.3807-03	.3183-01
67	1.0000	105.00	.91927-01	.9896-02	1.369	.2359-03	.1972-01
67	1.0000	106.00	.53681-01	-.5374-02	.7995	.1377-03	.1152-01
67	1.0000	107.00	.12420	.2278-01	1.850	.3187-03	.2665-01
67	1.0000	108.00	.71967-01	.1927-02	1.072	.1847-03	.1544-01
67	1.0000	109.00	.28324-01	-.1550-01	.4219	.7268-04	.6077-02
67	1.0000	110.00	.83112-01	.6377-02	1.238	.2133-03	.1783-01
67	1.0000	111.00	.31823-01	-.1410-01	.4740	.8166-04	.6828-02
67	1.0000	112.00	.19844-01	-.1888-01	.2956	.5092-04	.4258-02
67	1.0000	113.00	.16934-01	-.2005-01	.2522	.4345-04	.3634-02
0	1.0000	114.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	115.00	.00000	.0000	.0000	.0000	.0000
67	1.0000	116.00	.21405	.5866-01	3.188	.5492-03	.4593-01
0	1.0000	117.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	118.00	.00000	.0000	.0000	.0000	.0000
67	1.0000	119.00	.96162-02	-.2297-01	.1432	.2467-04	.2063-02
0	1.0000	120.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	121.00	.00000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON (R2XD57)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
67	1.0000	122.00	.44888	.1524	6.686	.1152-02	.9632-01
67	1.0000	123.00	.49934	.1726	7.437	.1281-02	.1071
67	1.0000	124.00	.60287	.2139	8.979	.1547-02	.1294
67	1.0000	125.00	.66630	.2392	9.924	.1710-02	.1430
67	1.0000	126.00	.68805	.2479	10.25	.1765-02	.1476

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON (R2XD58)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = 1.500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
70	.1482+07	7.300	3.766	.1010	182.9	588.4	2026.	.1191-01	30.00	.0000	.0000	.4632-04

RUN NUMBER	VINF FT/SEC
70	4839.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
70	1.0000	101.00	.32078	.5837-01	3.177	.5452-03	.4577-01
70	1.0000	102.00	.31112	.5581-01	3.082	.5288-03	.4439-01
70	1.0000	103.00	.29275	.5093-01	2.900	.4975-03	.4177-01
70	1.0000	104.00	.32574	.5969-01	3.227	.5536-03	.4647-01
70	1.0000	105.00	.27690	.4672-01	2.743	.4706-03	.3951-01
70	1.0000	106.00	.18537	.2241-01	1.836	.3150-03	.2645-01
70	1.0000	107.00	.30938	.5535-01	3.065	.5258-03	.4414-01
70	1.0000	108.00	.24120	.3724-01	2.389	.4099-03	.3441-01
70	1.0000	109.00	.12677	.6856-02	1.256	.2155-03	.1809-01
70	1.0000	110.00	.31653	.5725-01	3.135	.5380-03	.4516-01
70	1.0000	111.00	.13241	.8352-02	1.312	.2250-03	.1889-01
70	1.0000	112.00	.59586-01	-.1098-01	.5902	.1013-03	.8501-02
70	1.0000	113.00	.47783-01	-.1412-01	.4733	.8121-04	.6817-02
0	1.0000	114.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	115.00	.00000	.0000	.0000	.0000	.0000
70	1.0000	116.00	.46331	.9622-01	4.589	.7874-03	.6610-01
0	1.0000	117.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	118.00	.00000	.0000	.0000	.0000	.0000
70	1.0000	119.00	.37205-01	-.1693-01	.3685	.6323-04	.5308-02
0	1.0000	120.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	121.00	.00000	.0000	.0000	.0000	.0000

(R2XD58)

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	1/PT2
70	1.0000	122.00	1.3849	.3409	13.72	.2354-02	.1976
70	1.0000	123.00	1.5039	.3726	14.90	.2556-02	.2146
70	1.0000	124.00	1.7220	.4304	17.06	.2927-02	.2457
70	1.0000	125.00	1.8111	.4541	17.94	.3078-02	.2584
70	1.0000	126.00	1.8636	.4680	18.46	.3167-02	.2659

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON (R2XD59)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = 1.500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2FT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
63	.1482+07	7.300	3.756	.1007	182.6	586.7	2023.	.1192-01	30.00	.0000	.0000	.4629-04

RUN NUMBER	VINF FT/SEC
63	4834.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
63	1.0000	101.00	.57512	.1263	5.711	.9803-03	.8226-01
63	1.0000	102.00	.52093	.1119	5.173	.8879-03	.7451-01
63	1.0000	103.00	1.3602	.3353	13.51	.2318-02	.1946
63	1.0000	104.00	.81040	.1889	8.048	.1381-02	.1159
63	1.0000	105.00	.73034	.1676	7.253	.1245-02	.1045
63	1.0000	106.00	.30513	.5442-01	3.030	.5201-03	.4364-01
63	1.0000	107.00	.77829	.1804	7.729	.1327-02	.1113
63	1.0000	108.00	.42506	.8635-01	4.221	.7245-03	.6080-01
63	1.0000	109.00	.21898	.3149-01	2.175	.3732-03	.3132-01
63	1.0000	110.00	.51542	.1104	5.118	.8785-03	.7373-01
63	1.0000	111.00	.30218	.5364-01	3.001	.5150-03	.4322-01
63	1.0000	112.00	.13030	.7881-02	1.294	.2221-03	.1864-01
63	1.0000	113.00	.76923-01	-.6330-02	.7639	.1311-03	.1100-01
0	1.0000	114.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	115.00	.00000	.0000	.0000	.0000	.0000
63	1.0000	116.00	.35150	.6677-01	3.491	.5991-03	.5028-01
0	1.0000	117.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	118.00	.00000	.0000	.0000	.0000	.0000
63	1.0000	119.00	.40165-01	-.1612-01	.3989	.6846-04	.5745-02
0	1.0000	120.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	121.00	.00000	.0000	.0000	.0000	.0000

(R2XD59)

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
63	1.0000	122.00	2.0990	.5320	20.84	.3578-02	.3002
63	1.0000	123.00	2.3169	.5900	23.01	.3949-02	.3314
63	1.0000	124.00	2.7778	.7127	27.58	.4735-02	.3973
63	1.0000	125.00	3.0416	.7829	30.21	.5184-02	.4351
63	1.0000	126.00	3.3877	.8750	33.64	.5774-02	.4846

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON (R2XD60)

ELEVON

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = 1.500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
66	.1440+07	7.300	3.708	.9941-01	184.5	580.4	2043.	.1189-01	30.00	.0000	.0000	.4520-04

RUN NUMBER	VINF FT/SEC
66	4861.

TEST DATA

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
66	1.0000	101.00	.19334	.2533-01	1.945	.3331-03	.2801-01
66	1.0000	102.00	.18085	.2196-01	1.819	.3116-03	.2620-01
66	1.0000	103.00	.15846	.1592-01	1.594	.2730-03	.2296-01
66	1.0000	104.00	.24630	.3961-01	2.478	.4244-03	.3568-01
66	1.0000	105.00	.17199	.1957-01	1.730	.2963-03	.2492-01
66	1.0000	106.00	.11450	.4069-02	1.152	.1973-03	.1659-01
66	1.0000	107.00	.20658	.2890-01	2.078	.3559-03	.2993-01
66	1.0000	108.00	.13732	.1022-01	1.381	.2366-03	.1989-01
66	1.0000	109.00	.74079-01	-.6832-02	.7452	.1276-03	.1073-01
66	1.0000	110.00	.14808	.1312-01	1.490	.2551-03	.2145-01
66	1.0000	111.00	.75310-01	-.6500-02	.7575	.1298-03	.1091-01
66	1.0000	112.00	.54031-01	-.1224-01	.5435	.9310-04	.7828-02
66	1.0000	113.00	.50571-01	-.1317-01	.5087	.8713-04	.7326-02
0	1.0000	114.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	115.00	.00000	.0000	.0000	.0000	.0000
66	1.0000	116.00	.37930	.7547-01	3.815	.6535-03	.5495-01
0	1.0000	117.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	118.00	.00000	.0000	.0000	.0000	.0000
66	1.0000	119.00	.45096-01	-.1465-01	.4535	.7768-04	.6532-02
0	1.0000	120.00	.00000	.0000	.0000	.0000	.0000
0	1.0000	121.00	.00000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-PRESSURES ELEVON (R2XD60)

RUN NUMBER	DIM DUMMY	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
66	1.0000	122.00	.70504	.1633	7.092	.1215-02	.1021
66	1.0000	123.00	.77516	.1822	7.797	.1336-02	.1123
66	1.0000	124.00	.93722	.2259	9.427	.1615-02	.1358
66	1.0000	125.00	1.0404	.2538	10.47	.1793-02	.1507
66	1.0000	126.00	1.0699	.2617	10.76	.1843-02	.1550

OH58 ELEVON/ELEVON-PRESSURES FLAT PLATE (R2XE32)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = .0000 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
46	.4816+06	7.300	1.255	.3364-01	186.1	196.7	2058.	.1188-01	30.00	.0000	.0000	.1517-04

RUN NUMBER	VINF FT/SEC
46	4881.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
46	.00000	7.3000	179.00	.8425	.6446	25.04	.4283-02	.3607
46	.25000	.90000	168.00	.9462	.7272	28.13	.4811-02	.4051
46	.25000	1.5000	169.00	.9208	.7070	27.37	.4682-02	.3942
46	.25000	1.8750	170.00	.9047	.6942	26.89	.4600-02	.3873
46	.25000	3.0000	171.00	.9049	.6944	26.90	.4601-02	.3874
46	.25000	3.9000	172.00	.9126	.7005	27.13	.4640-02	.3907
46	.25000	5.8500	173.00	.8740	.6697	25.98	.4444-02	.3742
46	.25000	6.3000	177.00	.8452	.6468	25.13	.4297-02	.3619
46	.25000	6.9000	178.00	.8720	.6681	25.92	.4433-02	.3733

OH58 ELEVON/ELEVON-PRESSURES FLAT PLATE (R2XE33)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = 5.000 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
49	.5016+06	7.300	1.243	.3332-01	179.8	193.6	1995.	.1195-01	30.00	.0000	.0000	.1555-04

RUN NUMBER	VINF FT/SEC
49	4797.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
49	.00000	7.3000	179.00	.8456	.6535	25.38	.4368-02	.3656
49	.25000	.90000	168.00	.0000	.0000	.0000	.0000	.0000
49	.25000	1.5000	169.00	.9177	.7115	27.54	.4740-02	.3967
49	.25000	1.8750	170.00	.9039	.7004	27.13	.4669-02	.3908
49	.25000	3.0000	171.00	.9060	.7021	27.19	.4680-02	.3917
49	.25000	3.9000	172.00	.9094	.7048	27.29	.4698-02	.3932
49	.25000	5.8500	173.00	.8743	.6766	26.24	.4516-02	.3780
49	.25000	6.3000	177.00	.8441	.6523	25.33	.4360-02	.3649
49	.25000	6.9000	178.00	.8723	.6749	26.18	.4506-02	.3771

OH58 ELEVON/ELEVON-PRESSURES FLAT PLATE (R2XE34)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = -10.00 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
54	.5043+06	7.300	1.234	.3309-01	178.3	192.0	1980.	.1196-01	30.00	.0000	.0000	.1558-04

RUN NUMBER	VINF FT/SEC
54	4777.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
54	.00000	7.3000	179.00	.8167	.6348	24.68	.4254-02	.3556
54	.25000	.90000	168.00	.0000	.0000	.0000	.0000	.0000
54	.25000	1.5000	169.00	.8848	.6899	26.74	.4609-02	.3852
54	.25000	1.8750	170.00	.8706	.6784	26.31	.4535-02	.3790
54	.25000	3.0000	171.00	.8668	.6754	26.20	.4515-02	.3774
54	.25000	3.9000	172.00	.8749	.6819	26.44	.4557-02	.3809
54	.25000	5.8500	173.00	.8492	.6611	25.66	.4423-02	.3697
54	.25000	6.3000	177.00	.8140	.6326	24.60	.4240-02	.3544
54	.25000	6.9000	178.00	.8364	.6507	25.27	.4357-02	.3641

OH58 ELEVON/ELEVON-PRESSURES FLAT PLATE (R2XE35)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = .0000 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
47	.7225+06	7.300	1.856	.4976-01	184.3	290.4	2040.	.1190-01	30.00	.0000	.0000	.2266-04

RUN NUMBER	VINF FT/SEC
47	4857.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
47	.00000	7.3000	179.00	1.287	.6667	25.87	.4432-02	.3726
47	.25000	.90000	168.00	1.406	.7307	28.26	.4841-02	.4070
47	.25000	1.5000	169.00	1.405	.7304	28.25	.4840-02	.4068
47	.25000	1.8750	170.00	1.387	.7207	27.88	.4778-02	.4016
47	.25000	3.0000	171.00	1.368	.7103	27.50	.4711-02	.3960
47	.25000	3.9000	172.00	1.380	.7167	27.74	.4752-02	.3995
47	.25000	5.8500	173.00	1.339	.6947	26.91	.4611-02	.3876
47	.25000	6.3000	177.00	1.282	.6639	25.76	.4414-02	.3711
47	.25000	6.9000	178.00	1.325	.6870	26.63	.4562-02	.3835

OH58 ELEVON/ELEVON-PRESSURES FLAT PLATE (R2XE36)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = 5.000 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
50	.7776+06	7.300	1.912	.5125-01	178.8	297.5	1985.	.1196-01	30.00	.0000	.0000	.2405-04

RUN NUMBER	VINF FT/SEC
50	4785.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
50	.00000	7.3000	179.00	1.317	.6621	25.70	.4428-02	.3702
50	.25000	.90000	168.00	.0000	.0000	.0000	.0000	.0000
50	.25000	1.5000	169.00	1.434	.7235	27.99	.4822-02	.4032
50	.25000	1.8750	170.00	1.418	.7148	27.66	.4766-02	.3986
50	.25000	3.0000	171.00	1.394	.7024	27.20	.4687-02	.3919
50	.25000	3.9000	172.00	1.405	.7079	27.41	.4722-02	.3949
50	.25000	5.8500	173.00	1.367	.6885	26.68	.4597-02	.3844
50	.25000	6.3000	177.00	1.301	.6537	25.38	.4373-02	.3657
50	.25000	6.9000	178.00	1.352	.6802	26.37	.4544-02	.3799

OH58 ELEVON/ELEVON-PRESSURES FLAT PLATE (R2XE37)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = -10.00 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
53	.7726+06	7.300	1.862	.4993-01	176.4	289.1	1961.	.1199-01	30.00	.0000	.0000	.2375-04

RUN NUMBER	VINF FT/SEC
53	4752.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
53	.00000	7.3000	179.00	1.189	.6116	23.81	.4113-02	.3431
53	.25000	.90000	168.00	.0000	.0000	.0000	.0000	.0000
53	.25000	1.5000	169.00	1.298	.6700	25.99	.4489-02	.3745
53	.25000	1.8750	170.00	1.278	.6591	25.59	.4419-02	.3687
53	.25000	3.0000	171.00	1.269	.6546	25.42	.4390-02	.3662
53	.25000	3.9000	172.00	1.281	.6610	25.66	.4431-02	.3696
53	.25000	5.8500	173.00	1.239	.6382	24.81	.4284-02	.3574
53	.25000	6.3000	177.00	1.193	.6140	23.90	.4128-02	.3444
53	.25000	6.9000	178.00	1.232	.6345	24.67	.4260-02	.3554

OH58 ELEVON/ELEVON-PRESSURES FLAT PLATE (R2XE38)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = .0000 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
48	.1017+07	7.300	2.488	.6670-01	178.2	386.9	1979.	.1197-01	30.00	.0000	.0000	.3141-04

RUN NUMBER	VINF FT/SEC
48	4776.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
48	.00000	7.3000	179.00	1.617	.6230	24.24	.4179-02	.3492
48	.25000	.90000	168.00	.0000	.0000	.0000	.0000	.0000
48	.25000	1.5000	169.00	1.769	.6843	26.52	.4573-02	.3821
48	.25000	1.8750	170.00	1.752	.6774	26.27	.4529-02	.3785
48	.25000	3.0000	171.00	1.725	.6664	25.86	.4458-02	.3725
48	.25000	3.9000	172.00	1.741	.6728	26.10	.4499-02	.3760
48	.25000	5.8500	173.00	1.687	.6511	25.29	.4359-02	.3643
48	.25000	6.3000	177.00	1.617	.6231	24.24	.4179-02	.3493
48	.25000	6.9000	178.00	1.677	.6473	25.15	.4335-02	.3623

OH58 ELEVON/ELEVON-PRESSURES FLAT PLATE (R2XE39)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = 5.000 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
51	.1026+07	7.300	2.501	.6703-01	177.7	388.7	1974.	.1197-01	30.00	.0000	.0000	.3165-04

RUN NUMBER	VINF FT/SEC
51	4770.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
51	.00000	7.3000	179.00	1.634	.6265	24.37	.4203-02	.3511
51	.25000	.90000	168.00	.0000	.0000	.0000	.0000	.0000
51	.25000	1.5000	169.00	1.788	.6881	26.67	.4600-02	.3842
51	.25000	1.8750	170.00	1.772	.6819	26.44	.4560-02	.3809
51	.25000	3.0000	171.00	1.740	.6692	25.96	.4478-02	.3741
51	.25000	3.9000	172.00	1.754	.6747	26.17	.4513-02	.3770
51	.25000	5.8500	173.00	1.701	.6533	25.37	.4376-02	.3655
51	.25000	6.3000	177.00	1.622	.6217	24.19	.4172-02	.3485
51	.25000	6.9000	178.00	1.686	.6475	25.15	.4338-02	.3624

OH58 ELEVON/ELEVON-PRESSURES FLAT PLATE (R2XE40)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 7.800
ELEVON = -10.00 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
52	.9942+06	7.300	2.522	.6761-01	182.7	393.9	2024.	.1191-01	29.99	.0000	.0000	.3106-04

RUN NUMBER	VINF FT/SEC
52	4836.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
52	.00000	7.3000	179.00	1.668	.6347	24.68	.4235-02	.3555
52	.25000	.90000	168.00	.0000	.0000	.0000	.0000	.0000
52	.25000	1.5000	169.00	1.820	.6949	26.92	.4620-02	.3878
52	.25000	1.8750	170.00	1.804	.6887	26.69	.4581-02	.3845
52	.25000	3.0000	171.00	1.773	.6762	26.22	.4500-02	.3777
52	.25000	3.9000	172.00	1.789	.6826	26.46	.4542-02	.3812
52	.25000	5.8500	173.00	1.737	.6619	25.69	.4409-02	.3700
52	.25000	6.3000	177.00	1.664	.6329	24.61	.4223-02	.3545
52	.25000	6.9000	178.00	1.724	.6568	25.50	.4376-02	.3673

OH58 ELEVON/ELEVON-PRESSURES FLAT PLATE (R2XE41)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = .0000 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
38	.5088+06	7.300	1.266	.3395-01	180.3	197.3	2000.	.1194-01	40.00	.0000	.0000	.1580-04

RUN NUMBER	VINF FT/SEC
38	4805.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
38	.00000	5.5000	179.00	1.492	1.152	43.96	.7563-02	.6333
38	.25000	.90000	168.00	1.602	1.238	47.18	.8117-02	.6797
38	.25000	1.5000	169.00	1.573	1.215	46.33	.7970-02	.6674
38	.25000	1.8750	170.00	1.611	1.246	47.46	.8165-02	.6837
38	.25000	3.0000	171.00	1.541	1.190	45.40	.7809-02	.6539
38	.25000	4.5000	177.00	1.519	1.173	44.75	.7698-02	.6447
38	.25000	5.1000	178.00	1.538	1.188	45.32	.7796-02	.6528

OH58 ELEVON/ELEVON-PRESSURES FLAT PLATE (R2XE42)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = 5.000 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
41	.5159+06	7.300	1.294	.3469-01	181.3	201.9	2010.	.1193-01	40.00	.0000	.0000	.1606-04

RUN NUMBER	VINF FT/SEC
41	4818.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
41	.00000	5.5000	179.00	1.492	1.126	43.00	.7389-02	.6194
41	.25000	.90000	168.00	1.584	1.197	45.64	.7844-02	.6575
41	.25000	1.5000	169.00	1.572	1.188	45.30	.7785-02	.6525
41	.25000	1.8750	170.00	1.557	1.176	44.88	.7713-02	.6465
41	.25000	3.0000	171.00	1.549	1.170	44.65	.7673-02	.6431
41	.25000	4.5000	177.00	1.520	1.148	43.82	.7531-02	.6312
41	.25000	5.1000	178.00	1.535	1.159	44.24	.7603-02	.6373

OH58 ELEVON/ELEVON-PRESSURES FLAT PLATE (R2XE43)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = -10.00 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
43	.5094+06	7.300	1.253	.3358-01	178.8	194.9	1985.	.1196-01	40.01	.0000	.0000	.1576-04

RUN NUMBER	VINF FT/SEC
43	4785.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
43	.00000	5.5000	179.00	1.446	1.127	43.05	.7417-02	.6203
43	.25000	.90000	168.00	1.546	1.208	46.05	.7933-02	.6634
43	.25000	1.5000	169.00	1.523	1.189	45.37	.7816-02	.6536
43	.25000	1.8750	170.00	1.498	1.169	44.61	.7686-02	.6427
43	.25000	3.0000	171.00	1.504	1.174	44.79	.7717-02	.6453
43	.25000	4.5000	177.00	1.475	1.151	43.93	.7568-02	.6329
43	.25000	5.1000	178.00	1.489	1.162	44.35	.7641-02	.6390

OH58 ELEVON/ELEVON-PRESSURES FLAT PLATE (R2XE44)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = -10.00 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
44	.7161+06	7.300	1.876	.5029-01	186.8	294.3	2065.	.1187-01	40.00	.0000	.0000	.2260-04

RUN NUMBER	VINF FT/SEC
44	4890.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
44	.00000	5.5000	179.00	2.164	1.127	43.03	.7353-02	.6196
44	.25000	.90000	168.00	2.312	1.206	45.98	.7857-02	.6621
44	.25000	1.5000	169.00	2.297	1.198	45.68	.7807-02	.6578
44	.25000	1.8750	170.00	2.268	1.182	45.11	.7709-02	.6496
44	.25000	3.0000	171.00	2.239	1.167	44.53	.7610-02	.6413
44	.25000	4.5000	177.00	2.194	1.143	43.63	.7457-02	.6283
44	.25000	5.1000	178.00	2.214	1.153	44.02	.7523-02	.6340

OH58 ELEVON/ELEVON-PRESSURES FLAT PLATE (R2XE45)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = .0000 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
39	.1042+07	7.300	2.533	.6789-01	177.4	393.5	1970.	.1198-01	40.04	.0000	.0000	.3212-04

RUN NUMBER	VINF FT/SEC
39	4765.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
39	.00000	5.5000	179.00	3.006	1.160	44.27	.7638-02	.6378
39	.25000	.90000	168.00	3.143	1.214	46.29	.7987-02	.6670
39	.25000	1.5000	169.00	3.154	1.219	46.45	.8015-02	.6693
39	.25000	1.8750	170.00	3.218	1.244	47.40	.8177-02	.6828
39	.25000	3.0000	171.00	3.039	1.173	44.76	.7723-02	.6449
39	.25000	4.5000	177.00	2.999	1.157	44.17	.7620-02	.6363
39	.25000	5.1000	178.00	3.049	1.177	44.90	.7748-02	.6470

OH58 ELEVON/ELEVON-PRESSURES FLAT PLATE (R2XE46)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = 5.000 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
42	.9925+06	7.300	2.498	.6697-01	181.7	389.8	2014.	.1193-01	40.02	.0000	.0000	.3093-04

RUN NUMBER	VINF FT/SEC
42	4823.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
42	.00000	5.5000	179.00	2.820	1.102	42.11	.7233-02	.6065
42	.25000	.90000	168.00	2.975	1.164	44.43	.7632-02	.6399
42	.25000	1.5000	169.00	2.975	1.164	44.42	.7631-02	.6399
42	.25000	1.8750	170.00	2.939	1.150	43.89	.7540-02	.6322
42	.25000	3.0000	171.00	2.895	1.132	43.23	.7426-02	.6226
42	.25000	4.5000	177.00	2.834	1.107	42.31	.7269-02	.6095
42	.25000	5.1000	178.00	2.866	1.121	42.80	.7353-02	.6165

OH58 ELEVON/ELEVON-PRESSURES FLAT PLATE (R2XE47)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = -10.00 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
45	.1019+07	7.300	2.507	.6722-01	178.9	390.2	1986.	.1196-01	40.00	.0000	.0000	.3153-04

RUN NUMBER	VINF FT/SEC
45	4785.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
45	.00000	5.5000	179.00	2.823	1.099	42.00	.7236-02	.6051
45	.25000	.90000	168.00	2.983	1.163	44.38	.7645-02	.6393
45	.25000	1.5000	169.00	2.992	1.166	44.51	.7667-02	.6412
45	.25000	1.8750	170.00	2.973	1.159	44.23	.7619-02	.6372
45	.25000	3.0000	171.00	2.892	1.126	43.02	.7411-02	.6198
45	.25000	4.5000	177.00	2.840	1.106	42.25	.7278-02	.6086
45	.25000	5.1000	178.00	2.876	1.120	42.79	.7371-02	.6164

OH58 ELEVON/ELEVON-PRESSURES FLAT PLATE (R2XE48)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 MACH = 7.300 LENGTH = 6.000
ELEVON = .0000 RN/L = 3.000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
40	.2889+07	7.300	7.412	.1987	184.1	1160.	2038.	.1190-01	40.05	.0000	.0000	.9057-04

RUN NUMBER	VINF FT/SEC
40	4855.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
40	.00000	5.5000	179.00	.0000	.0000	.0000	.0000	.0000
40	.25000	.90000	168.00	.0000	.0000	.0000	.0000	.0000
40	.25000	1.5000	169.00	.0000	.0000	.0000	.0000	.0000
40	.25000	1.8750	170.00	.0000	.0000	.0000	.0000	.0000
40	.25000	3.0000	171.00	.0000	.0000	.0000	.0000	.0000
40	.25000	4.5000	177.00	.0000	.0000	.0000	.0000	.0000
40	.25000	5.1000	178.00	.0000	.0000	.0000	.0000	.0000

OH58 FUSELAGE/ELEVON-PRESSURES FLAT PLATE (R2XE49)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
73	.5153+06	7.300	1.258	.3372-01	178.0	195.6	1976.	.1197-01	30.00	.0000	.0000	.1590-04

RUN NUMBER	VINF FT/SEC
73	4773.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
73	.00000	13.900	179.00	.9208	.7052	27.31	.4709-02	.3934
73	.25000	.90000	168.00	.9457	.7250	28.05	.4836-02	.4040
73	.25000	1.5000	169.00	.9606	.7368	28.49	.4912-02	.4104
73	.25000	1.8750	170.00	.0000	.0000	.0000	.0000	.0000
73	.25000	3.0000	171.00	.9132	.6992	27.08	.4670-02	.3902
73	.25000	3.6000	174.00	.9598	.7362	28.46	.4908-02	.4101
73	.25000	7.2000	175.00	.9083	.6953	26.94	.4645-02	.3881
73	.25000	10.800	176.00	.9209	.7053	27.31	.4709-02	.3934
73	.25000	12.900	177.00	.8954	.6850	26.55	.4579-02	.3825
73	.25000	13.500	178.00	.9127	.6988	27.07	.4667-02	.3899

OH58 FUSELAGE/ELEVON-PRESSURES FLAT PLATE (R2XE50)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
64	.5344+06	7.300	1.271	.3408-01	174.8	197.1	1945.	.1200-01	30.00	.0000	.0000	.1636-04

RUN NUMBER	VINF FT/SEC
64	4731.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
64	.00000	13.900	179.00	.9414	.7136	27.62	.4777-02	.3980
64	.25000	.90000	168.00	.9110	.6897	26.73	.4623-02	.3851
64	.25000	1.5000	169.00	.9226	.6988	27.07	.4682-02	.3900
64	.25000	1.8750	170.00	.0000	.0000	.0000	.0000	.0000
64	.25000	3.0000	171.00	.8757	.6619	25.69	.4444-02	.3702
64	.25000	3.6000	174.00	.9248	.7005	27.13	.4693-02	.3910
64	.25000	7.2000	175.00	.8770	.6629	25.73	.4450-02	.3707
64	.25000	10.800	176.00	.8860	.6700	25.99	.4496-02	.3745
64	.25000	12.900	177.00	.8607	.6501	25.25	.4368-02	.3638
64	.25000	13.500	178.00	.8941	.6764	26.23	.4537-02	.3780

OH58 FUSELAGE/ELEVON-PRESSURES FLAT PLATE (R2XE51)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
69	.5036+06	7.300	1.263	.3387-01	181.3	197.1	2010.	.1193-01	30.00	.0000	.0000	.1568-04

RUN NUMBER	VINF FT/SEC
69	4818.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
69	.00000	13.900	179.00	.8820	.6714	26.04	.4476-02	.3751
69	.25000	.90000	168.00	.9089	.6926	26.84	.4612-02	.3866
69	.25000	1.5000	169.00	.9230	.7038	27.25	.4684-02	.3926
69	.25000	1.8750	170.00	.0000	.0000	.0000	.0000	.0000
69	.25000	3.0000	171.00	.8705	.6622	25.70	.4417-02	.3702
69	.25000	3.6000	174.00	.9144	.6970	27.00	.4640-02	.3889
69	.25000	7.2000	175.00	.8735	.6646	25.79	.4433-02	.3715
69	.25000	10.800	176.00	.8840	.6729	26.10	.4486-02	.3760
69	.25000	12.900	177.00	.8585	.6528	25.35	.4357-02	.3652
69	.25000	13.500	178.00	.8760	.6666	25.87	.4445-02	.3726

OH58 FUSELAGE/ELEVON-PRESSURES FLAT PLATE (R2XE52)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
72	.7629+06	7.300	1.890	.5067-01	179.8	294.4	1995.	.1195-01	30.00	.0000	.0000	.2365-04

RUN NUMBER	VINF FT/SEC
72	4797.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
72	.00000	13.900	179.00	1.342	.6830	26.48	.4558-02	.3815
72	.25000	.90000	168.00	1.386	.7064	27.35	.4708-02	.3940
72	.25000	1.5000	169.00	1.412	.7202	27.87	.4796-02	.4014
72	.25000	1.8750	170.00	.0000	.0000	.0000	.0000	.0000
72	.25000	3.0000	171.00	1.350	.6874	26.64	.4586-02	.3838
72	.25000	3.6000	174.00	1.415	.7220	27.93	.4808-02	.4024
72	.25000	7.2000	175.00	1.340	.6821	26.44	.4552-02	.3810
72	.25000	10.800	176.00	1.379	.7025	27.21	.4683-02	.3919
72	.25000	12.900	177.00	1.325	.6741	26.15	.4501-02	.3767
72	.25000	13.500	178.00	1.344	.6841	26.52	.4565-02	.3820

OH58 FUSELAGE/ELEVON-PRESSURES FLAT PLATE (R2XE53)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
62	.7671+06	7.300	1.911	.5123-01	180.4	297.9	2001.	.1194-01	30.00	.0000	.0000	.2383-04

RUN NUMBER	VINF FT/SEC
62	4806.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
62	.00000	13.900	179.00	1.339	.6739	26.14	.4496-02	.3765
62	.25000	.90000	168.00	1.385	.6977	27.03	.4649-02	.3893
62	.25000	1.5000	169.00	1.408	.7099	27.48	.4727-02	.3959
62	.25000	1.8750	170.00	.0000	.0000	.0000	.0000	.0000
62	.25000	3.0000	171.00	1.342	.3751	26.18	.4504-02	.3772
62	.25000	3.6000	174.00	1.402	.7068	27.37	.4707-02	.3942
62	.25000	7.2000	175.00	1.340	.6744	26.16	.4499-02	.3768
62	.25000	10.800	176.00	1.345	.6771	26.26	.4517-02	.3783
62	.25000	12.900	177.00	1.311	.6592	25.59	.4402-02	.3686
62	.25000	13.500	178.00	1.338	.6734	26.12	.4493-02	.3763

OH58 FUSELAGE/ELEVON-PRESSURES FLAT PLATE (R2XE54)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
68	.7541+06	7.300	1.898	.5087-01	181.7	296.1	2014.	.1193-01	30.08	.0000	.0000	.2350-04

RUN NUMBER	VINF FT/SEC
68	4823.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
68	.00000	13.900	179.00	1.320	.6687	25.94	.4457-02	.3737
68	.25000	.90000	168.00	1.367	.6934	26.86	.4615-02	.3870
68	.25000	1.5000	169.00	1.395	.7081	27.42	.4710-02	.3949
68	.25000	1.8750	170.00	.0000	.0000	.0000	.0000	.0000
68	.25000	3.0000	171.00	1.326	.6720	26.07	.4478-02	.3755
68	.25000	3.6000	174.00	1.389	.7053	27.31	.4692-02	.3934
68	.25000	7.2000	175.00	1.325	.6714	26.04	.4474-02	.3751
68	.25000	10.800	176.00	1.352	.6856	26.57	.4565-02	.3828
68	.25000	12.900	177.00	1.301	.6585	25.57	.4392-02	.3683
68	.25000	13.500	178.00	1.317	.6672	25.89	.4447-02	.3729

OH58 FUSELAGE/ELEVON-PRESSURES FLAT PLATE (R2XE55)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PTI	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
71	.1023+07	7.300	2.503	.6709-01	178.2	389.2	1979.	.1197-01	30.00	.0000	.0000	.3159-04

RUN NUMBER	VINF FT/SEC
71	4777.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
71	.00000	13.900	179.00	1.773	.6816	26.42	.4555-02	.3807
71	.25000	.90000	168.00	1.829	.7040	27.26	.4699-02	.3928
71	.25000	1.5000	169.00	1.865	.7186	27.81	.4793-02	.4006
71	.25000	1.8750	170.00	.0000	.0000	.0000	.0000	.0000
71	.25000	3.0000	171.00	1.775	.6824	26.46	.4561-02	.3811
71	.25000	3.6000	174.00	1.851	.7126	27.58	.4755-02	.3974
71	.25000	7.2000	175.00	1.763	.6777	26.28	.4531-02	.3786
71	.25000	10.800	176.00	1.831	.7048	27.29	.4705-02	.3932
71	.25000	12.900	177.00	1.755	.6744	26.16	.4509-02	.3769
71	.25000	13.500	178.00	1.785	.6864	26.60	.4586-02	.3833

OH58 FUSELAGE/ELEVON-PRESSURES FLAT PLATE (R2XE56)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
61	.1034+07	7.300	2.479	.6647-01	175.8	384.6	1954.	.1199-01	30.00	.0000	.0000	.3173-04

RUN NUMBER	VINF FT/SEC
61	4744.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
61	.00000	13.900	179.00	1.727	.6697	25.98	.4490-02	.3744
61	.25000	.90000	168.00	1.802	.6999	27.11	.4684-02	.3906
61	.25000	1.5000	169.00	1.840	.7154	27.69	.4785-02	.3989
61	.25000	1.8750	170.00	.0000	.0000	.0000	.0000	.0000
61	.25000	3.0000	171.00	1.750	.6790	26.33	.4550-02	.3794
61	.25000	3.6000	174.00	1.820	.7071	27.38	.4731-02	.3945
61	.25000	7.2000	175.00	1.744	.6768	26.25	.4535-02	.3782
61	.25000	10.800	176.00	1.765	.6851	26.56	.4589-02	.3826
61	.25000	12.900	177.00	1.705	.6610	25.66	.4434-02	.3697
61	.25000	13.500	178.00	1.734	.6724	26.08	.4507-02	.3758

OH58 FUSELAGE/ELEVON-PRESSURES FLAT PLATE (R2XE57)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
67	.1018+07	7.300	2.505	.6714-01	178.8	389.7	1985.	.1196-01	30.00	.0000	.0000	.3150-04

RUN NUMBER	VINF FT/SEC
67	4785.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
67	.00000	13.900	179.00	1.714	.6577	25.53	.4399-02	.3678
67	.25000	.90000	168.00	1.777	.6828	26.47	.4560-02	.3813
67	.25000	1.5000	169.00	1.812	.6965	26.98	.4649-02	.3887
67	.25000	1.8750	170.00	.0000	.0000	.0000	.0000	.0000
67	.25000	3.0000	171.00	1.722	.6608	25.65	.4419-02	.3695
67	.25000	3.6000	174.00	1.802	.6929	26.85	.4625-02	.3867
67	.25000	7.2000	175.00	1.722	.6608	25.65	.4419-02	.3695
67	.25000	10.800	176.00	1.771	.6803	26.38	.4544-02	.3800
67	.25000	12.900	177.00	1.690	.6478	25.16	.4335-02	.3625
67	.25000	13.500	178.00	1.721	.6604	25.63	.4416-02	.3693

OH58 FUSELAGE/ELEVON-PRESSURES FLAT PLATE (R2XE58)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = 1.500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
70	.1482+07	7.300	3.766	.1010	182.9	588.4	2026.	.1191-01	30.00	.0000	.0000	.4632-04

RUN NUMBER	VINF FT/SEC
70	4839.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
70	.00000	13.900	179.00	2.606	.6651	25.81	.4429-02	.3718
70	.25000	.90000	168.00	2.749	.7032	27.23	.4673-02	.3923
70	.25000	1.5000	169.00	2.803	.7176	27.77	.4764-02	.4000
70	.25000	1.8750	170.00	.0000	.0000	.0000	.0000	.0000
70	.25000	3.0000	171.00	2.660	.6797	26.35	.4522-02	.3796
70	.25000	3.6000	174.00	2.757	.7053	27.31	.4686-02	.3934
70	.25000	7.2000	175.00	2.658	.6791	26.33	.4518-02	.3793
70	.25000	10.800	176.00	2.761	.7064	27.35	.4693-02	.3940
70	.25000	12.900	177.00	2.618	.6683	25.93	.4449-02	.3735
70	.25000	13.500	178.00	2.637	.6733	26.12	.4481-02	.3762

OH58 FUSELAGE/ELEVON-PRESSURES FLAT PLATE (R2XE59)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = 1.500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
63	.1482+07	7.300	3.756	.1007	182.6	586.7	2023.	.1192-01	30.00	.0000	.0000	.4629-04

RUN NUMBER	VINF FT/SEC
63	4834.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
63	.00000	13.900	179.00	2.613	.6687	25.95	.4453-02	.3737
63	.25000	.90000	168.00	2.737	.7019	27.18	.4666-02	.3916
63	.25000	1.5000	169.00	2.789	.7156	27.70	.4754-02	.3989
63	.25000	1.8750	170.00	.0000	.0000	.0000	.0000	.0000
63	.25000	3.0000	171.00	2.648	.6781	26.29	.4513-02	.3787
63	.25000	3.6000	174.00	2.744	.7037	27.25	.4677-02	.3925
63	.25000	7.2000	175.00	2.644	.6771	26.26	.4507-02	.3782
63	.25000	10.800	176.00	2.697	.6911	26.78	.4596-02	.3857
63	.25000	12.900	177.00	2.620	.6706	26.02	.4465-02	.3747
63	.25000	13.500	178.00	2.647	.6778	26.28	.4511-02	.3786

OH58 FUSELAGE/ELEVON-PRESSURES FLAT PLATE (R2XE60)

FLAT PLATE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = 1.500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
66	.1440+07	7.300	3.708	.9941-01	184.5	580.4	2043.	.1189-01	30.00	.0000	.0000	.4520-04

RUN NUMBER	VINF FT/SEC
66	4861.

TEST DATA

RUN NUMBER	Y	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
66	.00000	13.900	179.00	2.579	.6686	25.94	.4443-02	.3736
66	.25000	.90000	168.00	2.715	.7054	27.31	.4678-02	.3934
66	.25000	1.5000	169.00	2.770	.7201	27.86	.4772-02	.4013
66	.25000	1.8750	170.00	.0000	.0000	.0000	.0000	.0000
66	.25000	3.0000	171.00	2.628	.6817	26.43	.4527-02	.3807
66	.25000	3.6000	174.00	2.704	.7023	27.20	.4659-02	.3917
66	.25000	7.2000	175.00	2.619	.6794	26.34	.4513-02	.3794
66	.25000	10.800	176.00	2.743	.7128	27.59	.4726-02	.3974
66	.25000	12.900	177.00	2.609	.6766	26.24	.4495-02	.3779
66	.25000	13.500	178.00	2.594	.6726	26.09	.4469-02	.3757

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE (R2XF49)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
73	.5153+06	7.300	1.258	.3372-01	178.0	195.6	1976.	.1197-01	30.00	.0000	.0000	.1590-04

RUN NUMBER	VINF FT/SEC
73	4773.

TEST DATA

RUN NUMBER	Z	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
73	.12500	.69000	136.00	.2283	.1547	6.770	.1167-02	.9754-01
73	.12500	1.0640	135.00	.2556	.1764	7.579	.1307-02	.1092
73	.12500	1.4370	134.00	.2343	.1594	6.947	.1198-02	.1001
73	.12500	2.2930	133.00	.2325	.1580	6.895	.1189-02	.9934-01
73	.12500	2.6990	132.00	.2379	.1623	7.055	.1216-02	.1016
73	.37500	.69000	142.00	.5996-01	.2086-01	1.778	.3066-03	.2562-01
73	.37500	1.0640	141.00	.7367-01	.3176-01	2.185	.3767-03	.3148-01
73	.37500	1.4370	140.00	.8707-01	.4241-01	2.582	.4453-03	.3720-01
73	.37500	2.2930	139.00	.1073	.5846-01	3.181	.5485-03	.4583-01
73	.37500	2.6990	138.00	.9556-01	.4916-01	2.834	.4886-03	.4083-01
73	.62500	.69000	148.00	.3713-01	.2707-02	1.101	.1898-03	.1586-01
73	.62500	1.0640	147.00	.5381-01	.1597-01	1.596	.2752-03	.2299-01
73	.62500	1.4370	146.00	.6147-01	.2206-01	1.823	.3143-03	.2626-01
73	.62500	2.2930	145.00	.8329-01	.3941-01	2.470	.4259-03	.3559-01
73	.62500	2.6990	144.00	.7199-01	.3042-01	2.135	.3681-03	.3076-01
0	.87500	.00000	155.00	.0000	.0000	.0000	.0000	.0000
73	.87500	.69000	154.00	.4796-01	.1132-01	1.422	.2452-03	.2049-01
73	.87500	1.0640	153.00	.4433-01	.8433-02	1.315	.2267-03	.1894-01
73	.87500	1.4370	152.00	.5135-01	.1402-01	1.523	.2626-03	.2194-01
73	.87500	2.2930	151.00	.6049-01	.2128-01	1.794	.3093-03	.2584-01
73	.87500	2.6990	150.00	.4718-01	.1070-01	1.399	.2413-03	.2016-01

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE (R2XF49)

RUN NUMBER	Z	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
73	1.1250	.00000	161.00	.2253-01	-.8895-02	.6682	.1152-03	.9627-02
73	1.1250	.69000	160.00	.0000	.0000	.0000	.0000	.0000
73	1.1250	1.0640	159.00	.0000	.0000	.0000	.0000	.0000
73	1.1250	1.4370	158.00	.3394-01	.1709-03	1.006	.1735-03	.1450-01
73	1.1250	2.2930	157.00	.5953-01	.2052-01	1.766	.3044-03	.2544-01
73	1.1250	2.6990	156.00	.4881-01	.1199-01	1.447	.2496-03	.2085-01
0	1.3750	.00000	167.00	.0000	.0000	.0000	.0000	.0000
0	1.3750	.69000	166.00	.0000	.0000	.0000	.0000	.0000
73	1.3750	1.0640	165.00	.3013-01	-.2856-02	.8935	.1541-03	.1287-01
73	1.3750	1.4370	164.00	-.6500	-.5436	-19.28	-.3324-02	-.2777
0	1.3750	2.2930	163.00	.0000	.0000	.0000	.0000	.0000
73	1.3750	2.6990	162.00	.7472-01	.3259-01	2.216	.3821-03	.3192-01

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE (R2XF50)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
64	.5344+06	7.300	1.271	.3408-01	174.8	197.1	1945.	.1200-01	30.00	.0000	.0000	.1636-04

RUN NUMBER	VINF FT/SEC
64	4731.

TEST DATA

RUN NUMBER	Z	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
64	.12500	.69000	136.00	.1211	.6843-01	3.553	.6145-03	.5119-01
64	.12500	1.0640	135.00	.7594-01	.3292-01	2.228	.3854-03	.3210-01
64	.12500	1.4370	134.00	.4710-01	.1024-01	1.382	.2390-03	.1991-01
64	.12500	2.2930	133.00	.3464-01	.4392-03	1.016	.1758-03	.1465-01
64	.12500	2.6990	132.00	.5457-01	.1611-01	1.601	.2769-03	.2307-01
64	.37500	.69000	142.00	.2009-01	-.1101-01	.5895	.1020-03	.8494-02
64	.37500	1.0640	141.00	.2569-01	-.6606-02	.7536	.1303-03	.1086-01
64	.37500	1.4370	140.00	.4164-01	.5945-02	1.222	.2113-03	.1760-01
64	.37500	2.2930	139.00	.7848-01	.3492-01	2.303	.3983-03	.3318-01
64	.37500	2.6990	138.00	.6211-01	.2204-01	1.822	.3152-03	.2626-01
64	.62500	.69000	148.00	.1336-01	-.1630-01	.3919	.6779-04	.5648-02
64	.62500	1.0640	147.00	.2220-01	-.9347-02	.6513	.1127-03	.9385-02
64	.62500	1.4370	146.00	.3904-01	.3900-02	1.145	.1981-03	.1651-01
64	.62500	2.2930	145.00	.4900-01	.1173-01	1.437	.2486-03	.2071-01
64	.62500	2.6990	144.00	.4025-01	.4851-02	1.181	.2043-03	.1702-01
0	.87500	.00000	155.00	.0000	.0000	.0000	.0000	.0000
64	.87500	.69000	154.00	.2659-01	-.5891-02	.7802	.1350-03	.1124-01
64	.87500	1.0640	153.00	.1956-01	-.1142-01	.5740	.9928-04	.8271-02
64	.87500	1.4370	152.00	.3019-01	-.3066-02	.8856	.1532-03	.1276-01
64	.87500	2.2930	151.00	.3294-01	-.9020-03	.9664	.1671-03	.1392-01
64	.87500	2.6990	150.00	.1433-01	-.1554-01	.4204	.7272-04	.6058-02

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE (R2XF50)

RUN NUMBER	Z	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
64	1.1250	.00000	161.00	.5989-02	-.2210-01	.1757	.3039-04	.2532-02
64	1.1250	.69000	160.00	.0000	.0000	.0000	.0000	.0000
64	1.1250	1.0640	159.00	.0000	.0000	.0000	.0000	.0000
64	1.1250	1.4370	158.00	.1306-01	-.1654-01	.3831	.6627-04	.5521-02
64	1.1250	2.2930	157.00	.3656-01	.1944-02	1.073	.1855-03	.1545-01
64	1.1250	2.6990	156.00	.2280-01	-.8873-02	.6690	.1157-03	.9640-02
0	1.3750	.00000	167.00	.0000	.0000	.0000	.0000	.0000
0	1.3750	.69000	166.00	.0000	.0000	.0000	.0000	.0000
64	1.3750	1.0640	165.00	.9185-02	-.1958-01	.2695	.4661-04	.3883-02
64	1.3750	1.4370	164.00	-.2240	-.2030	-6.573	-.1137-02	-.9471-01
0	1.3750	2.2930	163.00	.0000	.0000	.0000	.0000	.0000
64	1.3750	2.6990	162.00	.4614-01	.9484-02	1.354	.2342-03	.1951-01

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE (R2XF51)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = .5000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
69	.5036+06	7.300	1.263	.3387-01	181.3	197.1	2010.	.1193-01	30.00	.0000	.0000	.1568-04

RUN NUMBER	VINF FT/SEC
69	4818.

TEST DATA

RUN NUMBER	Z	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
69	.12500	.69000	136.00	.1909	.1243	5.638	.9689-03	.8121-01
69	.12500	1.0640	135.00	.1846	.1193	5.450	.9367-03	.7851-01
69	.12500	1.4370	134.00	.1925	.1256	5.685	.9770-03	.8189-01
69	.12500	2.2930	133.00	.1924	.1255	5.682	.9764-03	.8184-01
69	.12500	2.6990	132.00	.2072	.1372	6.119	.1052-02	.8815-01
69	.37500	.69000	142.00	.3992-01	.4789-02	1.179	.2026-03	.1698-01
69	.37500	1.0640	141.00	.7108-01	.2946-01	2.099	.3607-03	.3024-01
69	.37500	1.4370	140.00	.1069	.5778-01	3.156	.5423-03	.4545-01
69	.37500	2.2930	139.00	.2333	.1578	6.888	.1184-02	.9922-01
69	.37500	2.6990	138.00	.2419	.1647	7.144	.1228-02	.1029
69	.62500	.69000	148.00	.5113-02	-.2276-01	.1510	.2595-04	.2175-02
69	.62500	1.0640	147.00	.2254-01	-.8962-02	.6657	.1144-03	.9589-02
69	.62500	1.4370	146.00	.3128-01	-.2048-02	.9236	.1587-03	.1330-01
69	.62500	2.2930	145.00	.6850-01	.2741-01	2.023	.3476-03	.2913-01
69	.62500	2.6990	144.00	.8451-01	.4009-01	2.495	.4288-03	.3594-01
0	.87500	.00000	155.00	.0000	.0000	.0000	.0000	.0000
69	.87500	.69000	154.00	.1410-01	-.1565-01	.4163	.7154-04	.5996-02
69	.87500	1.0640	153.00	.1153-01	-.1768-01	.3404	.5849-04	.4903-02
69	.87500	1.4370	152.00	.2345-01	-.8245-02	.6924	.1190-03	.9974-02
69	.87500	2.2930	151.00	.4142-01	.5982-02	1.223	.2102-03	.1762-0[illegible]
69	.87500	2.6990	150.00	.2918-01	-.3712-02	.8615	.1481-03	.1241-01

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE (R2XF51)

RUN NUMBER	Z	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
69	1.1250	.00000	161.00	-.2353-02	-.2867-01	-.6949-01	-.1194-04	-.1001-02
69	1.1250	.69000	160.00	.0000	.0000	.0000	.0000	.0000
69	1.1250	1.0640	159.00	.0000	.0000	.0000	.0000	.0000
69	1.1250	1.4370	158.00	.6251-02	-.2186-01	.1846	.3172-04	.2659-02
69	1.1250	2.2930	157.00	.3674-01	.2274-02	1.085	.1864-03	.1563-01
69	1.1250	2.6990	156.00	.2899-01	-.3858-02	.8561	.1471-03	.1233-01
0	1.3750	.00000	167.00	.0000	.0000	.0000	.0000	.0000
0	1.3750	.69000	166.00	.0000	.0000	.0000	.0000	.0000
69	1.3750	1.0640	165.00	-.1833-02	-.2826-01	-.5413-01	-.9302-05	-.7797-03
69	1.3750	1.4370	164.00	-.5039-01	-.6669-01	-1.488	-.2556-03	-.2143-01
0	1.3750	2.2930	163.00	.0000	.0000	.0000	.0000	.0000
69	1.3750	2.6990	162.00	.5299-01	.1513-01	1.565	.2689-03	.2254-01

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE (R2XF52)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
72	.7629+06	7.300	1.890	.5067-01	179.8	294.4	1995.	.1195-01	30.00	.0000	.0000	.2365-04

RUN NUMBER	VINF FT/SEC
72	4797.

TEST DATA

RUN NUMBER	Z	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
72	.12500	.69000	136.00	.3341	.1499	6.593	.1135-02	.9497-01
72	.12500	1.0640	135.00	.3710	.1695	7.322	.1260-02	.1055
72	.12500	1.4370	134.00	.3401	.1531	6.711	.1155-02	.9668-01
72	.12500	2.2930	133.00	.3265	.1459	6.443	.1109-02	.9281-01
72	.12500	2.6990	132.00	.3285	.1470	6.484	.1116-02	.9340-01
72	.37500	.69000	142.00	.8285-01	.1702-01	1.635	.2814-03	.2355-01
72	.37500	1.0640	141.00	.1065	.2952-01	2.101	.3617-03	.3027-01
72	.37500	1.4370	140.00	.1282	.4102-01	2.530	.4355-03	.3645-01
72	.37500	2.2930	139.00	.1458	.5032-01	2.877	.4952-03	.4145-01
72	.37500	2.6990	138.00	.1343	.4425-01	2.650	.4562-03	.3818-01
72	.62500	.69000	148.00	.3907-01	-.6139-02	.7710	.1327-03	.1111-01
72	.62500	1.0640	147.00	.6669-01	.8476-02	1.316	.2265-03	.1896-01
72	.62500	1.4370	146.00	.9256-01	.2221-01	1.829	.3147-03	.2634-01
72	.62500	2.2930	145.00	.1246	.3913-01	2.460	.4233-03	.3543-01
72	.62500	2.6990	144.00	.1006	.2641-01	1.985	.3417-03	.2860-01
0	.87500	.00000	155.00	.0000	.0000	.0000	.0000	.0000
72	.87500	.69000	154.00	.5090-01	.6976-04	1.003	.1726-03	.1444-01
72	.87500	1.0640	153.00	.5430-01	.1917-02	1.072	.1844-03	.1544-01
72	.87500	1.4370	152.00	.6427-01	.7193-02	1.268	.2183-03	.1827-01
72	.87500	2.2930	151.00	.8554-01	.1845-01	1.688	.2906-03	.2432-01
72	.87500	2.6990	150.00	.6591-01	.8062-02	1.301	.2239-03	.1874-01

(R2XF52)

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE

RUN NUMBER	Z	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
72	1.1250	.00000	161.00	.3859-01	-.6392-02	.7615	.1311-03	.1097-01
72	1.1250	.69000	160.00	.0000	.0000	.0000	.0000	.0000
72	1.1250	1.0640	159.00	.0000	.0000	.0000	.0000	.0000
72	1.1250	1.4370	158.00	.4662-01	-.2145-02	.9200	.1583-03	.1325-01
72	1.1250	2.2930	157.00	.7907-01	.1502-01	1.560	.2686-03	.2248-01
72	1.1250	2.6990	156.00	.6148-01	.5715-02	1.213	.2088-03	.1748-01
0	1.3750	.00000	167.00	.0000	.0000	.0000	.0000	.0000
0	1.3750	.69000	166.00	.0000	.0000	.0000	.0000	.0000
72	1.3750	1.0640	165.00	.3358-01	-.9040-02	.6628	.1141-03	.9548-02
72	1.3750	1.4370	164.00	.1755	.6604-01	3.463	.5961-03	.4989-01
0	1.3750	2.2930	163.00	.0000	.0000	.0000	.0000	.0000
72	1.3750	2.6990	162.00	.9567-01	.2380-01	1.888	.3250-03	.2720-01

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE (R2XF53)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
62	.7671+06	7.300	1.911	.5123-01	180.4	297.9	2001.	.1194-01	30.00	.0000	.0000	.2383-04

RUN NUMBER	VINF FT/SEC
62	4806.

TEST DATA

RUN NUMBER	Z	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
62	.12500	.69000	136.00	.2134	.8484-01	4.165	.7164-03	.5999-01
62	.12500	1.0640	135.00	.1579	.5580-01	3.082	.5301-03	.4439-01
62	.12500	1.4370	134.00	.1011	.2607-01	1.973	.3393-03	.2842-01
62	.12500	2.2930	133.00	.7388-01	.1185-01	1.442	.2480-03	.2077-01
62	.12500	2.6990	132.00	.9794-01	.2444-01	1.912	.3288-03	.2754-01
62	.37500	.69000	142.00	.6386-01	.6606-02	1.246	.2144-03	.1795-01
62	.37500	1.0640	141.00	.6654-01	.8007-02	1.299	.2234-03	.1871-01
62	.37500	1.4370	140.00	.9123-01	.2093-01	1.781	.3063-03	.2565-01
62	.37500	2.2930	139.00	.1355	.4409-01	2.645	.4549-03	.3810-01
62	.37500	2.6990	138.00	.1160	.3389-01	2.264	.3895-03	.3262-01
62	.62500	.69000	148.00	.4191-01	-.4877-02	.8181	.1407-03	.1178-01
62	.62500	1.0640	147.00	.5215-01	.4807-03	1.018	.1751-03	.1466-01
62	.62500	1.4370	146.00	.7458-01	.1221-01	1.456	.2504-03	.2097-01
62	.62500	2.2930	145.00	.9339-01	.2206-01	1.823	.3135-03	.2626-01
62	.62500	2.6990	144.00	.8733-01	.1889-01	1.705	.2932-03	.2455-01
0	.87500	.00000	155.00	.0000	.0000	.0000	.0000	.0000
62	.87500	.69000	154.00	.5473-01	.1827-02	1.068	.1837-03	.1539-01
62	.87500	1.0640	153.00	.4444-01	-.3553-02	.8675	.1492-03	.1250-01
62	.87500	1.4370	152.00	.5466-01	.1790-02	1.067	.1835-03	.1537-01
62	.87500	2.2930	151.00	.6694-01	.8216-02	1.306	.2247-03	.1882-01
62	.87500	2.6990	150.00	.4608-01	-.2695-02	.8995	.1547-03	.1296-01

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE (R2XF53)

RUN NUMBER	Z	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
62	1.1250	.00000	161.00	.2832-01	-.1199-01	.5528	.9508-04	.7963-02
62	1.1250	.69000	160.00	.0000	.0000	.0000	.0000	.0000
62	1.1250	1.0640	159.00	.0000	.0000	.0000	.0000	.0000
62	1.1250	1.4370	158.00	.4353-01	-.4033-02	.8496	.1461-03	.1224-01
62	1.1250	2.2930	157.00	.5546-01	.2210-02	1.082	.1862-03	.1559-01
62	1.1250	2.6990	156.00	.5023-01	-.5234-03	.9805	.1686-03	.1412-01
0	1.3750	.00000	167.00	.0000	.0000	.0000	.0000	.0000
0	1.3750	.69000	166.00	.0000	.0000	.0000	.0000	.0000
62	1.3750	1.0640	165.00	.3924-01	-.6273-02	.7660	.1318-03	.1103-01
62	1.3750	1.4370	164.00	-.1454	-.1029	-2.839	-.4883-03	-.4089-01
0	1.3750	2.2930	163.00	.0000	.0000	.0000	.0000	.0000
62	1.3750	2.6990	162.00	.6449-01	.6935-02	1.259	.2165-03	.1813-01

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE (R2XF541)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = .7500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
68	.7541+06	7.300	1.898	.5087-01	181.7	296.1	2014.	.1193-01	30.08	.0000	.0000	.2350-04

RUN NUMBER	VINF FT/SEC
68	4823.

TEST DATA

RUN NUMBER	Z	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
68	.12500	.69000	136.00	.3499	.1576	6.879	.1182-02	.9909-01
68	.12500	1.0640	135.00	.3315	.1479	6.516	.1119-02	.9386-01
68	.12500	1.4370	134.00	.3337	.1491	6.560	.1127-02	.9450-01
68	.12500	2.2930	133.00	.3087	.1359	6.069	.1043-02	.8742-01
68	.12500	2.6990	132.00	.3152	.1393	6.196	.1064-02	.8925-01
68	.37500	.69000	142.00	.8353-01	.1721-01	1.642	.2821-03	.2365-01
68	.37500	1.0640	141.00	.1276	.4043-01	2.508	.4309-03	.3613-01
68	.37500	1.4370	140.00	.1778	.6690-01	3.495	.6005-03	.5035-01
68	.37500	2.2930	139.00	.3563	.1610	7.004	.1203-02	.1009
68	.37500	2.6990	138.00	.3680	.1671	7.234	.1243-02	.1042
68	.62500	.69000	148.00	.2701-01	-.1257-01	.5309	.9121-04	.7648-02
68	.62500	1.0640	147.00	.4839-01	-.1308-02	.9512	.1634-03	.1370-01
68	.62500	1.4370	146.00	.6896-01	.9481-02	1.354	.2325-03	.1950-01
68	.62500	2.2930	145.00	.1189	.3582-01	2.336	.4014-03	.3365-01
68	.62500	2.6990	144.00	.1476	.5097-01	2.901	.4984-03	.4179-01
0	.87500	.00000	155.00	.0000	.0000	.0000	.0000	.0000
68	.87500	.69000	154.00	.3655-01	-.7493-02	.7205	.1238-03	.1038-01
68	.87500	1.0640	153.00	.3699-01	-.7314-02	.7272	.1249-03	.1047-01
68	.87500	1.4370	152.00	.4987-01	-.5267-03	.9804	.1684-03	.1412-01
68	.87500	2.2930	151.00	.8000-01	.1535-01	1.573	.2702-03	.2265-01
68	.87500	2.6990	150.00	.6362-01	.6716-02	1.251	.2148-03	.1801-01

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE

IR2XF541

RUN NUMBER	Z	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
68	1.1250	.00000	161.00	.1762-01	-.1752-01	.3463	.5949-04	.4988-02
68	1.1250	.69000	160.00	.0000	.0000	.0000	.0000	.0000
68	1.1250	1.0640	159.00	.0000	.0000	.0000	.0000	.0000
68	1.1250	1.4370	158.00	.3246-01	-.9700-02	.6382	.1096-03	.9193-02
68	1.1250	2.2930	157.00	.6769-01	.8862-02	1.331	.2286-03	.1917-01
68	1.1250	2.6990	156.00	.5848-01	.4008-02	1.149	.1975-03	.1656-01
0	1.3750	.00000	167.00	.0000	.0000	.0000	.0000	.0000
0	1.3750	.69000	166.00	.0000	.0000	.0000	.0000	.0000
68	1.3750	1.0640	165.00	.2184-01	-.1530-01	.4293	.7375-04	.6184-02
68	1.3750	1.4370	164.00	.1375	.4564-01	2.703	.4643-03	.3893-01
0	1.3750	2.2930	163.00	.0000	.0000	.0000	.0000	.0000
68	1.3750	2.6990	162.00	.7393-01	.1215-01	1.453	.2497-03	.2093-01

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE (R2XF55)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
71	.1023+07	7.300	2.503	.6709-01	178.2	389.2	1979.	.1197-01	30.00	.0000	.0000	.3159-04

RUN NUMBER	VINF FT/SEC
71	4777.

TEST DATA

RUN NUMBER	Z	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
71	.12500	.69000	136.00	.4179	.1402	6.228	.1074-02	.8973-01
71	.12500	1.0640	135.00	.4775	.1640	7.117	.1227-02	.1025
71	.12500	1.4370	134.00	.4318	.1457	6.437	.1110-02	.9273-01
71	.12500	2.2930	133.00	.4123	.1379	6.146	.1059-02	.8854-01
71	.12500	2.6990	132.00	.4092	.1367	6.099	.1051-02	.8786-01
71	.37500	.69000	142.00	.9049-01	.9351-02	1.349	.2325-03	.1943-01
71	.37500	1.0640	141.00	.1227	.2221-01	1.829	.3152-03	.2634-01
71	.37500	1.4370	140.00	.1524	.3409-01	2.272	.3916-03	.3273-01
71	.37500	2.2930	139.00	.1661	.3957-01	2.476	.4268-03	.3567-01
71	.37500	2.6990	138.00	.1473	.3205-01	2.196	.3785-03	.3163-01
71	.62500	.69000	148.00	.3750-01	-.1182-01	.5589	.9634-04	.8052-02
71	.62500	1.0640	147.00	.6734-01	.1007-03	1.004	.1730-03	.1446-01
71	.62500	1.4370	146.00	.8802-01	.8363-02	1.312	.2262-03	.1890-01
71	.62500	2.2930	145.00	.1294	.2489-01	1.929	.3325-03	.2778-01
71	.62500	2.6990	144.00	.1098	.1708-01	1.637	.2822-03	.2359-01
0	.87500	.00000	155.00	.0000	.0000	.0000	.0000	.0000
71	.87500	.69000	154.00	.5350-01	-.5432-02	.7974	.1375-03	.1149-01
71	.87500	1.0640	153.00	.4848-01	-.7438-02	.7226	.1246-03	.1041-01
71	.87500	1.4370	152.00	.6434-01	-.1097-02	.9591	.1653-03	.1382-01
71	.87500	2.2930	151.00	.9038-01	.9305-02	1.347	.2322-03	.1941-01
71	.87500	2.6990	150.00	.6804-01	.3807-03	1.014	.1748-03	.1461-01

(R2XF55)

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE

RUN NUMBER	Z	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
71	1.1250	.00000	161.00	.2474-01	-.1692-01	.3687	.6356-04	.5312-02
71	1.1250	.69000	160.00	.0000	.0000	.0000	.0000	.0000
71	1.1250	1.0640	159.00	.0000	.0000	.0000	.0000	.0000
71	1.1250	1.4370	158.00	.3827-01	-.1152-01	.5704	.9833-04	.8218-02
71	1.1250	2.2930	157.00	.7426-01	.2864-02	1.107	.1908-03	.1595-01
71	1.1250	2.6990	156.00	.6226-01	-.1931-02	.9279	.1600-03	.1337-01
0	1.3750	.00000	167.00	.0000	.0000	.0000	.0000	.0000
0	1.3750	.69000	166.00	.0000	.0000	.0000	.0000	.0000
71	1.3750	1.0640	165.00	.3088-01	-.1447-01	.4603	.7935-04	.6632-02
71	1.3750	1.4370	164.00	-.1173	-.7368-01	-1.749	-.3014-03	-.2519-01
0	1.3750	2.2930	163.00	.0000	.0000	.0000	.0000	.0000
71	1.3750	2.6990	162.00	.7565-01	.3419-02	1.128	.1944-03	.1624-01

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE (R2XF56)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
61	.1034+07	7.300	2.479	.6647-01	175.8	384.6	1954.	.1199-01	30.00	.0000	.0000	.3173-04

RUN NUMBER	VINF FT/SEC
61	4744.

TEST DATA

RUN NUMBER	Z	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
61	.12500	.69000	136.00	.2893	.8989-01	4.353	.7522-03	.6272-01
61	.12500	1.0640	135.00	.2124	.5887-01	3.196	.5523-03	.4605-01
61	.12500	1.4370	134.00	.1592	.3741-01	2.396	.4140-03	.3452-01
61	.12500	2.2930	133.00	.9926-01	.1323-01	1.493	.2581-03	.2152-01
61	.12500	2.6990	132.00	.1521	.3456-01	2.289	.3956-03	.3298-01
61	.37500	.69000	142.00	.1194	.2135-01	1.796	.3104-03	.2588-01
61	.37500	1.0640	141.00	.1093	.1728-01	1.645	.2842-03	.2370-01
61	.37500	1.4370	140.00	.1613	.3826-01	2.427	.4194-03	.3497-01
61	.37500	2.2930	139.00	.1982	.5314-01	2.982	.5154-03	.4297-01
61	.37500	2.6990	138.00	.1550	.3570-01	2.332	.4029-03	.3360-01
61	.62500	.69000	148.00	.7140-01	.1988-02	1.074	.1856-03	.1548-01
61	.62500	1.0640	147.00	.7532-01	.3571-02	1.133	.1958-03	.1633-01
61	.62500	1.4370	146.00	.1454	.3185-01	2.188	.3781-03	.3153-01
61	.62500	2.2930	145.00	.1272	.2450-01	1.914	.3307-03	.2758-01
61	.62500	2.6990	144.00	.1042	.1522-01	1.568	.2709-03	.2259-01
0	.87500	.00000	155.00	.0000	.0000	.0000	.0000	.0000
61	.87500	.69000	154.00	.1226	.2262-01	1.844	.3186-03	.2657-01
61	.87500	1.0640	153.00	.6729-01	.3301-03	1.012	.1749-03	.1459-01
61	.87500	1.4370	152.00	.1116	.1821-01	1.679	.2902-03	.2419-01
61	.87500	2.2930	151.00	.9979-01	.1344-01	1.501	.2594-03	.2163-01
61	.87500	2.6990	150.00	.6355-01	-.1178-02	.9561	.1652-03	.1378-01

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE (R2XF56)

RUN NUMBER	Z	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
61	1.1250	.00000	161.00	.3394-01	-.1312-01	.5106	.8823-04	.7356-02
61	1.1250	.69000	160.00	.0000	.0000	.0000	.0000	.0000
61	1.1250	1.0640	159.00	.0000	.0000	.0000	.0000	.0000
61	1.1250	1.4370	158.00	.6679-01	.1293-03	1.005	.1736-03	.1448-01
61	1.1250	2.2930	157.00	.8583-01	.7807-02	1.291	.2231-03	.1860-01
61	1.1250	2.6990	156.00	.9297-01	.1069-01	1.399	.2417-03	.2015-01
0	1.3750	.00000	167.00	.0000	.0000	.0000	.0000	.0000
0	1.3750	.69000	166.00	.0000	.0000	.0000	.0000	.0000
61	1.3750	1.0640	165.00	.1105	.1774-01	1.662	.2872-03	.2394-01
61	1.3750	1.4370	164.00	-.1341	-.8088-01	-2.017	-.3486-03	-.2906-01
0	1.3750	2.2930	163.00	.0000	.0000	.0000	.0000	.0000
61	1.3750	2.6990	162.00	.7207-01	.2260-02	1.084	.1874-03	.1562-01

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE (R2XF57)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = 1.000

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
67	.1018+07	7.300	2.505	.6714-01	178.8	389.7	1985.	.1196-01	30.00	.0000	.0000	.3150-04

RUN NUMBER	VINF FT/SEC
67	4785.

TEST DATA

RUN NUMBER	Z	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
67	.12500	.69000	136.00	.4229	.1421	6.299	.1085-02	.9075-01
67	.12500	1.0640	135.00	.3789	.1245	5.644	.9723-03	.8131-01
67	.12500	1.4370	134.00	.3815	.1255	5.681	.9788-03	.8185-01
67	.12500	2.2930	133.00	.3643	.1186	5.425	.9347-03	.7816-01
67	.12500	2.6990	132.00	.3833	.1262	5.709	.9836-03	.8225-01
67	.37500	.69000	142.00	.1081	.1636-01	1.610	.2774-03	.2320-01
67	.37500	1.0640	141.00	.1610	.3747-01	2.398	.4131-03	.3454-01
67	.37500	1.4370	140.00	.2368	.6776-01	3.527	.6077-03	.5082-01
67	.37500	2.2930	139.00	.4616	.1575	6.875	.1184-02	.9905-01
67	.37500	2.6990	138.00	.4727	.1619	7.041	.1213-02	.1014
67	.62500	.69000	148.00	.3675-01	-.1213-01	.5474	.9430-04	.7886-02
67	.62500	1.0640	147.00	.5805-01	-.3631-02	.8646	.1489-03	.1246-01
67	.62500	1.4370	146.00	.7706-01	.3962-02	1.148	.1977-03	.1654-01
67	.62500	2.2930	145.00	.1377	.2815-01	2.050	.3532-03	.2954-01
67	.62500	2.6990	144.00	.1799	.4501-01	2.679	.4615-03	.3859-01
0	.87500	.00000	155.00	.0000	.0000	.0000	.0000	.0000
67	.87500	.69000	154.00	.5351-01	-.5440-02	.7971	.1373-03	.1148-01
67	.87500	1.0640	153.00	.4472-01	-.8952-02	.6660	.1147-03	.9595-02
67	.87500	1.4370	152.00	.6012-01	-.2805-02	.8954	.1543-03	.1290-01
67	.87500	2.2930	151.00	.9295-01	.1031-01	1.384	.2385-03	.1994-01
67	.87500	2.6990	150.00	.7101-01	.1546-02	1.058	.1822-03	.1524-01

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE (R2XF57)

RUN NUMBER	Z	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
67	1.1250	.00000	161.00	.1316-01	-.2155-01	.1960	.3377-04	.2824-02
67	1.1250	.69000	160.00	.0000	.0000	.0000	.0000	.0000
67	1.1250	1.0640	159.00	.0000	.0000	.0000	.0000	.0000
67	1.1250	1.4370	158.00	.4012-01	-.1079-01	.5976	.1030-03	.8609-02
67	1.1250	2.2930	157.00	.6141-01	-.2288-02	.9147	.1576-03	.1318-01
67	1.1250	2.6990	156.00	.7454-01	.2953-02	1.110	.1913-03	.1599-01
0	1.3750	.00000	167.00	.0000	.0000	.0000	.0000	.0000
0	1.3750	.69000	166.00	.0000	.0000	.0000	.0000	.0000
67	1.3750	1.0640	165.00	.2846-01	-.1545-01	.4238	.7302-04	.6106-02
67	1.3750	1.4370	164.00	-.1653	-.9280-01	-2.462	-.4241-03	-.3546-01
0	1.3750	2.2930	163.00	.0000	.0000	.0000	.0000	.0000
67	1.3750	2.6990	162.00	.5153-01	-.6231-02	.7676	.1322-03	.1106-01

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE (R2XF58)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = .0000 RN/L = 1.500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
70	.1482+07	7.300	3.766	.1010	182.9	588.4	2026.	.1191-01	30.00	.0000	.0000	.4632-04

RUN NUMBER	VINF FT/SEC
70	4839.

TEST DATA

RUN NUMBER	Z	X	TAP NO	P PSIA	CP -	P/PINF -	P/PT	P/PT2
70	.12500	.69000	136.00	.6113	.1355	6.055	.1039-02	.8722-01
70	.12500	1.0640	135.00	.7003	.1592	6.937	.1190-02	.9992-01
70	.12500	1.4370	134.00	.6388	.1428	6.327	.1086-02	.9114-01
70	.12500	2.2930	133.00	.5976	.1319	5.919	.1016-02	.8526-01
70	.12500	2.6990	132.00	.5868	.1290	5.813	.9973-03	.8372-01
70	.37500	.69000	142.00	.1338	.8720-02	1.325	.2274-03	.1909-01
70	.37500	1.0640	141.00	.1754	.1977-01	1.738	.2981-03	.2503-01
70	.37500	1.4370	140.00	.2278	.3368-01	2.257	.3872-03	.3250-01
70	.37500	2.2930	139.00	.2296	.3416-01	2.274	.3902-03	.3276-01
70	.37500	2.6990	138.00	.2122	.2955-01	2.102	.3607-03	.3028-01
70	.62500	.69000	148.00	.5453-01	-.1233-01	.5401	.9268-04	.7780-02
70	.62500	1.0640	147.00	.9327-01	-.2041-02	.9239	.1585-03	.1331-01
70	.62500	1.4370	146.00	.1238	.6078-02	1.227	.2105-03	.1767-01
70	.62500	2.2930	145.00	.1717	.1879-01	1.701	.2918-03	.2450-01
70	.62500	2.6990	144.00	.1694	.1818-01	1.678	.2879-03	.2417-01
0	.87500	.00000	155.00	.0000	.0000	.0000	.0000	.0000
70	.87500	.69000	154.00	.7976-01	-.5528-02	.7900	.1356-03	.1138-01
70	.87500	1.0640	153.00	.6460-01	-.9654-02	.6399	.1098-03	.9217-02
70	.87500	1.4370	152.00	.8694-01	-.3722-02	.8612	.1478-03	.1240-01
70	.87500	2.2930	151.00	.1360	.9306-02	1.347	.2311-03	.1940-01
70	.87500	2.6990	150.00	.1038	.7578-03	1.028	.1764-03	.1481-01

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE (R2Y58)

RUN NUMBER	Z	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
70	1.1250	.00000	161.00	.3039-01	-.1874-01	.3011	.5165-04	.4336-02
70	1.1250	.69000	160.00	.0000	.0000	.0000	.0000	.0000
70	1.1250	1.0640	159.00	.0000	.0000	.0000	.0000	.0000
70	1.1250	1.4370	158.00	.6009-01	-.1085-01	.5952	.1021-03	.8573-02
70	1.1250	2.2930	157.00	.1053	.1142-02	1.043	.1789-03	.1502-01
70	1.1250	2.6990	156.00	.9955-01	-.3730-03	.9861	.1692-03	.1420-01
0	1.3750	.00000	167.00	.0000	.0000	.0000	.0000	.0000
0	1.3750	.69000	166.00	.0000	.0000	.0000	.0000	.0000
70	1.3750	1.0640	165.00	.6752-01	-.8878-02	.6688	.1148-03	.9634-02
70	1.3750	1.4370	164.00	.7838-01	-.5994-02	.7764	.1332-03	.1118-01
0	1.3750	2.2930	163.00	.0000	.0000	.0000	.0000	.0000
70	1.3750	2.6990	162.00	.1007	-.7974-04	.9970	.1711-03	.1436-01

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE (R2XF59)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = 10.00 RN/L = 1.500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
63	.1482+07	7.300	3.756	.1007	182.6	586.7	2023.	.1192-01	30.00	.0000	.0000	.4629-04

RUN NUMBER	VINF FT/SEC
63	4834.

TEST DATA

RUN NUMBER	Z	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
63	.12500	.69000	136.00	.4014	.8004-01	3.986	.6841-03	.5741-01
63	.12500	1.0640	135.00	.3037	.5405-01	3.016	.5177-03	.4344-01
63	.12500	1.4370	134.00	.1974	.2575-01	1.961	.3365-03	.2824-01
63	.12500	2.2930	133.00	.1290	.7530-02	1.281	.2199-03	.1845-01
63	.12500	2.6990	132.00	.1640	.1685-01	1.629	.2795-03	.2346-01
63	.37500	.69000	142.00	.1281	.7298-02	1.272	.2184-03	.1833-01
63	.37500	1.0640	141.00	.1273	.7088-02	1.264	.2170-03	.1821-01
63	.37500	1.4370	140.00	.1945	.2498-01	1.932	.3316-03	.2783-01
63	.37500	2.2930	139.00	.2752	.4647-01	2.733	.4691-03	.3937-01
63	.37500	2.6990	138.00	.2225	.3244-01	2.210	.3793-03	.3183-01
63	.62500	.69000	148.00	.6446-01	-.9646-02	.6402	.1099-03	.9221-02
63	.62500	1.0640	147.00	.8499-01	-.4182-02	.8440	.1449-03	.1216-01
63	.62500	1.4370	146.00	.1232	.5977-02	1.223	.2099-03	.1762-01
63	.62500	2.2930	145.00	.1735	.1939-01	1.723	.2958-03	.2482-01
63	.62500	2.6990	144.00	.1524	.1375-01	1.513	.2597-03	.2179-01
0	.87500	.00000	155.00	.0000	.0000	.0000	.0000	.0000
63	.87500	.69000	154.00	.1045	.1019-02	1.038	.1782-03	.1495-01
63	.87500	1.0640	153.00	.6791-01	-.8730-02	.6744	.1157-03	.9713-02
63	.87500	1.4370	152.00	.8860-01	-.3222-02	.8798	.1510-03	.1267-01
63	.87500	2.2930	151.00	.1130	.3288-02	1.123	.1927-03	.1617-01
63	.87500	2.6990	150.00	.9126-01	-.2513-02	.9062	.1555-03	.1305-01

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE (R2XF59)

RUN NUMBER	Z	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
63	1.1250	.00000	161.00	.4157-01	-.1574-01	.4128	.7085-04	.5946-02
63	1.1250	.69000	160.00	.0000	.0000	.0000	.0000	.0000
63	1.1250	1.0640	159.00	.0000	.0000	.0000	.0000	.0000
63	1.1250	1.4370	158.00	.6834-01	-.8616-02	.6786	.1165-03	.9775-02
63	1.1250	2.2930	157.00	.9607-01	-.1231-02	.9541	.1638-03	.1374-01
63	1.1250	2.6990	156.00	.1002	-.1391-03	.9948	.1707-03	.1433-01
0	1.3750	.00000	167.00	.0000	.0000	.0000	.0000	.0000
0	1.3750	.69000	166.00	.0000	.0000	.0000	.0000	.0000
63	1.3750	1.0640	165.00	.7718-01	-.6262-02	.7664	.1315-03	.1104-01
63	1.3750	1.4370	164.00	2.823	.7246	28.03	.4811-02	.4037
0	1.3750	2.2930	163.00	.0000	.0000	.0000	.0000	.0000
63	1.3750	2.6990	162.00	.9286-01	-.2038-02	.9221	.1583-03	.1328-01

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE (R2XF60)

FUSELAGE

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 MACH = 7.300 LENGTH = 14.40
ELEVON = -10.00 RN/L = 1.500

TEST CONDITIONS

RUN NUMBER	RN/FT /FT	MACH	QINF PSI	PINF PSIA	TINF DEG. R	PT PSIA	TTAV DEG. R	PT2PT1	ALPHA DEG.	BETA DEG.	PHI DEG.	RHO SLUGS/ FT3
66	.1440+07	7.300	3.708	.9941-01	184.5	580.4	2043.	.1189-01	30.00	.0000	.0000	.4520-04

RUN NUMBER	VINF FT/SEC
66	4861.

TEST DATA

RUN NUMBER	Z	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
66	.12500	.69000	136.00	.6507	.1487	6.545	.1121-02	.9427-01
66	.12500	1.0640	135.00	.5580	.1237	5.613	.9614-03	.8084-01
66	.12500	1.4370	134.00	.5620	.1247	5.653	.9683-03	.8142-01
66	.12500	2.2930	133.00	.5484	.1211	5.517	.9449-03	.7945-01
66	.12500	2.6990	132.00	.5577	.1236	5.610	.9609-03	.8080-01
66	.37500	.69000	142.00	.1708	.1924-01	1.718	.2942-03	.2474-01
66	.37500	1.0640	141.00	.2532	.4146-01	2.547	.4362-03	.3668-01
66	.37500	1.4370	140.00	.3591	.7002-01	3.612	.6187-03	.5202-01
66	.37500	2.2930	139.00	.7002	.1620	7.043	.1206-02	.1014
66	.37500	2.6990	138.00	.7432	.1736	7.475	.1280-02	.1077
66	.62500	.69000	148.00	.6714-01	-.8703-02	.6754	.1157-03	.9727-02
66	.62500	1.0640	147.00	.1057	.1692-02	1.063	.1821-03	.1531-01
66	.62500	1.4370	146.00	.1292	.8040-02	1.300	.2227-03	.1872-01
66	.62500	2.2930	145.00	.2184	.3207-01	2.196	.3762-03	.3163-01
66	.62500	2.6990	144.00	.2803	.4876-01	2.819	.4829-03	.4060-01
0	.87500	.00000	155.00	.0000	.0000	.0000	.0000	.0000
66	.87500	.69000	154.00	.1006	.3247-03	1.012	.1734-03	.1458-01
66	.87500	1.0640	153.00	.8110-01	-.4938-02	.8158	.1397-03	.1175-01
66	.87500	1.4370	152.00	.1024	.8052-03	1.030	.1764-03	.1484-01
66	.87500	2.2930	151.00	.1488	.1332-01	1.497	.2564-03	.2156-01
66	.87500	2.6990	150.00	.1339	.9293-02	1.347	.2307-03	.1940-01

(R2XF60)

OH58 FUSELAGE/ELEVON-PRESSURES FUSELAGE

RUN NUMBER	Z	X	TAP NO	P PSIA	CP	P/PINF	P/PT	P/PT2
66	1.1250	.00000	161.00	.4543-01	-.1456-01	.4569	.7827-04	.6581-02
66	1.1250	.69000	160.00	.0000	.0000	.0000	.0000	.0000
66	1.1250	1.0640	159.00	.0000	.0000	.0000	.0000	.0000
66	1.1250	1.4370	158.00	.7381-01	-.6903-02	.7425	.1272-03	.1069-01
66	1.1250	2.2930	157.00	.1279	.7679-02	1.286	.2204-03	.1853-01
66	1.1250	2.6990	156.00	.1261	.7190-02	1.268	.2172-03	.1827-01
0	1.3750	.00000	167.00	.0000	.0000	.0000	.0000	.0000
0	1.3750	.69000	166.00	.0000	.0000	.0000	.0000	.0000
66	1.3750	1.0640	165.00	.6672-01	-.8815-02	.6712	.1150-03	.9666-02
66	1.3750	1.4370	164.00	2.885	.7511	29.02	.4970-02	.4179
0	1.3750	2.2930	163.00	.0000	.0000	.0000	.0000	.0000
66	1.3750	2.6990	162.00	.1109	.3089-02	1.115	.1910-03	.1606-01