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VOLUME 6 OF 6

RESULTS OF HEAT TRANSFER TESTS IN THE
ARNOLD ENGINEERING DEVELOPMENT CENTER -
VON KARMAN FACILITY TUNNELS A AND B UTILIZING
SPACE SHUTTLE ORBITER THIN SKIN THERMOCOUPLE MODELS
56-0, 60-0 AND 83-0

TESTS: OH-84B, OH-105, IH-102

SPACE SHUTTLE AEROTHERMODYNAMIC DATA REPORT

Data Management SERVICES

HUNTSVILLE ELECTRONICS DIVISION CHRYSLER CORPORATION

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by

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Space Transportation System Development and Production Division

Prepared under NASA Contract Number NAS9-16283

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:	V41A-67 (Tunnel A), V41B-67 (Tunnel B)
NASA Series Number:	IH102 (Tunnel A), OH84B, OH105 (Tunnel B)
Model Number:	56-0, 60-OTS, 83-0
Test Dates:	May 2 thru May 23, 1979
Occupancy Hours:	OH84B: 58.3
	OH105: 12.8
	IH102: 39.6
	TOTAL: 110.7

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RESULTS OF HEAT TRANSFER TESTS IN THE ARNOLD ENGINEERING DEVELOPMENT CENTER - VON KARMAN FACILITY TUNNELS A AND B UTILIZING SPACE SHUTTLE ORBITER THIN SKIN THERMOCOUPLE MODELS 56-0, 60-0 AND 83-0

TESTS: OH-84B, OH-105, IH-102

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ABSTRACT

A series of thin-skin thermocouple heat transfer tests were conducted using scaled Space Shuttle models in the Arnold Engineering Development Center, von Karman facility (AEDC-VKF) Supersonic Wind Tunnel A and Hypersonic Wind Tunnel B to determine aerodynamic heating on the Space Shuttle orbiter where data extrapolation or analytical predictions were not feasible and where previous data did not exist. Secondary test objectives were to obtain limited yaw data and to obtain contingency abort trajectory data. The test series consisted of NASA tests OH84B and OH105 in Tunnel B and IH102 in Tunnel A with Space Shuttle orbiter models 56-0 (0.0175 scale), 60-0 (0.0175 scale), and 83-0 (0.040 scale) configured into ten different model installations. Included in the ten installations tested were each orbiter model and the two 0.0175 scale models integrated with the 0.0175 scale external tank and solid rocket boosters.

Data were recorded at Mach numbers 3 and 4 in Tunnel A with simulated Reynolds numbers of 1.0×10^6/ft to 4.0×10^6/ft and at Mach 8 in Tunnel B with simulated Reynolds numbers of 0.5×10^6/ft to 3.7×10^6/ft. Model angle of attack varied from -40 to +40 degrees. Model yaw angle varied from -15 to +10 degrees. The high negative angle of attack was a contingency abort trajectory simulation.

All objectives of the test series were fulfilled. Six hundred and eight (608) data runs were obtained to support the test objectives, 383 for test OH84B, 78 for test OH105, and 147 for test IH102.

The model configurations, instrumentation, test procedures, and data reduction are described in this report.

Tabulated heat transfer data are presented in the Appendix. Volumes 1-4 contain OH84B tabulations; likewise, Volume 5 contains OH105, and Volume 6 contains IH102.

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OH84B (Volumes 1-4)
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INTRODUCTION

Aerodynamic heating can be complex during the Space Shuttle flight cycle due to the exposure of the somewhat conventional airplane-shaped orbiter to the launch and reentry environments. A test series was conducted in the Arnold Engineering Development Center, von Karman Facility 40-in Supersonic Wind Tunnel A and 50-inch Hypersonic Wind Tunnel B during the period May 2-23, 1979 to obtain heat transfer data in regions of the Space Shuttle orbiter where data extrapolation or analytical prediction are not feasible and where previous data did not exist. Additional objectives were to obtain limited yaw data and to obtain contingency abort trajectory data. The test series combined three NASA tests, OH84B, OH105, and IH102, using three Space Shuttle orbiter scaled models, 56-0 (0.0175 scale), 60-0 (0.0175 scale), and 83-0 (0.040 scale), installed in ten different configurations.

Data were recorded from the orbiter models at Mach numbers 3 and 4 in Tunnel A for nominal Reynolds numbers ranging from 1.0×10^6/ft to 4.0×10^6/ft and at Mach number 8 in Tunnel B for nominal Reynolds numbers ranging from 0.5×10^6/ft to 3.7×10^6/ft. Model angle of attack ranged from -40 to +40 degrees with model angle of sideslip varying from -15 to +10 degrees.

Results of the test series are presented in this report.

NOMENCLATURE

SYMBOL	MNEMONIC	DEFINITION
a_1, a_2, a_3		Constants used to calculate R
α	ALPHA	Model angle of attack, degrees
AEDC		Arnold Engineering Development Center
b		Model skin thickness, inches
β	BETA	Model sideslip angle, degrees
Con.Set		Set of thermocouples recorded together
COORD1		First thermocouple location coordinate
COORD2		Second thermocouple location coordinate
Cp		Model skin material specific heat, Btu/lbm-^{o}R
C.R.		Center of Rotation
DTWDT	DTWDT	Time rate of change of wall temperature, ^{o}R/sec.
δ_{BF}	BDFLAP	Body flap deflection angle, degrees
δ_e	ELEVON	Elevon deflection angle, degrees
δ_{SB}	SPDBRK	Speedbrake deflection angle, degrees
ε		Incidence angle of local model surface, degrees
HREF	HREF HREF-FR	Reference heat transfer coefficient based on Fay and Riddell theory, Btu/ft^2 - sec - ^{o}R
H(RTO)	H(RTO)	Heat transfer coefficient based on RTO, Btu/ft^2 - sec - ^{o}R
	H(TAW)	Heat transfer coefficient based on TAW, Btu/ft^2 - sec - ^{o}R

NOMENCLATURE (Continued)

SYMBOL	MNEMONIC	DEFINITION
L		Reference length, inches
MACH NO	MACH	Mach number
μ	MU	Freestream viscosity, lbf-sec/ft^2
MUO		Viscosity based on stagnation temperature, lbf-sec/ft^2
PO	PO	Tunnel stilling chamber pressure, psia
P-INF	P	Freestream static pressure
PO2		Stagnation pressure downstream of normal shock, psia
q	Q-INF	Tunnel freestream dynamic pressure, psi
Q-INF	Q	
	QDOT	Heat transfer rate, Btu/ft^2-sec
RE/FT	RN/L	Reynolds number per unit length
RN		
R	TAW/TO	Analytical temperature ratio
RTO		Tunnel stilling chamber pressure adjusted for theoretical recovery factor, ^{o}R
RHO-INF	RHO	Free stream density, lbm/ft^3.
STFR	STN NO	Stanton number based on HREF
SW.Pos		Switch position
t_i		Time when initial model wall temperature was recorded before model injection, seconds
t		Time from start of model injection cycle, seconds

NOMENCLATURE (Continued)

SYMBOL	MNEMONIC	DEFINITION
TAW	TAW	Computed adiabatic wall temperature, ^{o}R
T/C	T/CNO.	Thermocouple number
	T	Tunnel freestream static temperature, ^{o}R
TO	TO	Tunnel stilling chamber temperature, ^{o}R
TW		Model wall temperature at midpoint of data interval, ^{o}R
TW_i		Initial model wall temperature before injection, ^{o}R
V-INF	V	Tunnel freestream velocity, ft/sec
VKF		Von Karmen Facility
w		Model skin material density, lbm/ft^3
	WINDOW	Window number where specific thermocouples are located
X	XO MS	Model scale axial coordinate from model nose or leading edge of wing or vertical tail, inches
X_o		Model scale axial coordinate from a point 235 inches (FS) ahead of the orbiter nose, inches
X/C	XV/CV	Percent of vertical tail chord
X/L		Thermocouple axial location from model nose as a ratio to model length
X_n		Model scale axial coordinate of nozzle, inches
Y	YO MS	Model scale lateral coordinate, inches
Yo		Full scale lateral coordinate, inches

NOMENCLATURE (Concluded)

SYMBOL	MNEMONIC	DEFINITION
Z	ZO MS	Model scale vertical coordinate, inches
Zo		Full scale vertical coordinate, inches
Z/B	ZV/BV	Percent of vertical tail span
2Y/B	2Y/B	Ratio of thermocouple distance from model centerline to model semispan
ϕ	PHI	Radial angle of thermocouple in model coordinates, degrees
ϕ_n		Radial angle of thermocouple on nozzle, degrees

REMARKS

In presenting heat-transfer coefficient results, it is convenient to use reference coefficients to normalize the data. Equilibrium stagnation point values derived from the work of Fay and Riddell (Reference 6) were used to normalize the data obtained in this test. These reference coefficients are given by:

$$HREF = \frac{8.17173(PO2)^{0.5}\ (MUO)^{0.4}\left[1-\frac{(P-INF)}{PO2}\right]^{0.25}\left[0.2235+(1.35\times10^{-5})(TO+560)\right]}{(RN)^{0.5}\ (TO)^{0.15}}$$

$$STFR = \frac{HREF}{(RHO-INF)\ (V-INF)\left[0.2235 + 1.35 \times 10^{-5}\ (TO + 560)\right]}$$

CONFIGURATIONS INVESTIGATED

Three Space Shuttle orbiter models were used to obtain the thin-skin thermocouple data for this test. Two of the test articles were 0.0175 scale models of the full orbiter and were designated as the 60-Ø and 56-Ø models. The third model was a 0.04 scale, 50 percent forebody model of the orbiter, and was identified as the 83-Ø model. All of the models were supplied by Rockwell International.

The 60-Ø model was a 0.0175 scale thin-skin thermocouple model of the Rockwell International Vehicle 5 configuration. The model was constructed of 17-4 PH stainless steel with a nominal skin thickness of 0.030 in. at the instrumented areas. All thermocouples were spot welded to the thin-skin inner surface.

A photograph of the 60-Ø model injected in the Tunnel B test section is shown in Figure 1. The basic dimensions and coordinate definitions for the 0.0175 scale model are shown in the sketch presented in Figure 2. The deflection angles of the speedbrake, body flap and elevons were varied during these tests and recorded on the tabulated data.

The 56-Ø model was a 0.0175 scale phase change paint model with the same external contour as the 60-Ø model except for the vertical tail. The vertical tail used was a slab tail of extended span used for previous oil flow tests to determine flow orientation at the leading edge. The pilot side

(left) of the fuselage has been replaced with a thin-skin thermocouple insert contoured to the vehicle lines. This insert was constructed of 17-4 PH stainless steel with a nominal skin thickness of 0.020 in. at the thermocouple locations. A photograph of the 56-Ø model injected in Tunnel A is shown in Figure 3. The dimensions and coordinate system presented in Figure 2 also apply to the 0.0175 scale 56-Ø model.

The 83-Ø model was a 0.04 scale model of the forward 50 percent of the orbiter. This model was also constructed of 17-4 PH stainless steel with a nominal skin thickness of 0.030 in. A photograph of the 83-Ø model injected in Tunnel B is shown in Figure 4. The coordinate system and basic dimensions for the 83-Ø model are presented in Figure 5.

Each of the orbiter models was installed in more than one configuration to fulfill the test requirements of Mach number (Tunnel selection), angle of attack, and yaw. Both the 56-Ø and the 60-Ø models were tested as the orbiter alone and were also mated with the external tank and both solid rocket boosters, designated as the OTS configuration. Installation sketches of each of the ten configurations are presented in Figure 6. The installations illustrated in Figures 6c and 6d each represent two configurations by interchanging the 56-Ø and 60-Ø models. Each installation was identified with a configuration code that is listed in Table 4.

Model Nomenclature

Nomenclature used to describe the various components of the three models used for these tests are:

Model 56-0 Orbiter (Vehicle 5 Configuration, VL70-00140C Lines)

B_{62}	Fuselage
C_{12}	Canopy
E_{52}	Elevon
F_{10}	Body Flap
M_{16}	OMS Pod
V_{30}	Vertical Tail
W_{127}	Wing

Model 60-0 Orbiter (Vehicle 5 Configuration, VL70-00140C Lines)

B_{62}	Fuselage
C_{12}	Canopy
E_{52}	Elevon
F_{10}	Body Flap
M_{16}	OMS Pods
R_{18}	Rudder
V_{8}	Vertical Tail
W_{116}	Wing

Model 60-0 External Tank and SRB's (Vehicle 5 Configuration, VC72-000002F Shuttle Configuration Control)

T_{38}	External Tank (Spike Nose), VC78-000002E Lines
S_{26}	Solid Rocket Booster, VC77-000002G and VC77-000003F Lines

Model 83-0 Orbiter (VL70-000140C Lines)

B_{60}	Fuselage
C_{10}	Canopy

Full scale and model scale dimensional data for the various components of the three models can be found in Table III.

Further model description, including some model drawings, can be found in References 1-3.

INSTRUMENTATION

Test Conditions

Tunnel A stilling chamber pressure was measured with a 15-, 60-, 150-, or a 300-psid transducer referenced to a near vacuum. Based on periodic comparisons with secondary standards, the accuracy (a bandwidth which includes 95 percent of the residuals, i.e. 2σ deviation) of these transducers is estimated to be within ±0.2 percent of pressure or ±0.015 psi, whichever is greater. Stilling chamber temperature was measured with a copper-constantan thermocouple with an accuracy of $\pm 3^{\circ}F$.

Tunnel B stilling chamber pressure was measured with a 200- or 1000-psid transducer referenced to a near vacuum. Based on periodic comparisons with secondary standards, the accuracy of the transducers is estimated to be within ±0.25 percent of pressure or ±0.3 psi, whichever is greater for the 200-psid range and ±0.25 percent of pressure or ±0.8 psi, whichever is greater for the 1000-psid range. Stilling chamber temperature measurements were made with Chromel®-Alumel® thermocouples which have an uncertainty of ±(1.5F + 0.375 percent of reading in $^{\circ}F$).

Test Data

The 60-Ø model instrumentation consisted of 600 thirty gauge iron-constantan and chromel-constantan thermocouples. Thermocouple locations for this model are illustrated in Figure 7; the dimensional locations and

skin thickness are listed in Table V. The thermocouples identified by a number only are iron-constantan. The thermocouples identified by a number followed by the letter A or C are chromel-constantan. The letter A designates a new thermocouple location added specifically for this test. The letter C designates the location of a previously existing thermocouple which has been repaired with chromel-constantan wire.

The 56-Ø model instrumentation consisted of 80 thirty gauge chromel-constantan thermocouples located on the thin-skin insert. The thermocouple locations for this model are illustrated in Figure 8. The dimensional locations and skin thicknesses are listed in Table VI.

The 83-Ø model was instrumented with 482 thirty gauge chromel-constantan thermocouples as illustrated in Figure 9. The dimensional locations and skin thicknesses for the thermocouples on this model are listed in Table VII.

Data from a maximum of 97 thermocouples in Tunnel B and 96 thermocouples in Tunnel A could be recorded during each tunnel injection. Seventeen sets of thermocouples were required to accommodate the large number of thermocouples on this test. These sets are called Constant Sets in Table II. A listing of the seventeen Constant Sets is given in Table VIII. This listing includes all of the thermocouples that were installed for the test. Some of the listed thermocouples were determined

to be inoperative and these have been deleted from the tabulated data. A total of three Constant Sets could be connected at one time. A three position selector switch was used to select the desired Constant Set for each injection. The last digit of the Constant Set number usually indicates the selector switch position number. The specific Constant Sets that were connected for each model configuration are listed in Table IV.

TEST FACILITY DESCRIPTION

The von Karmen Gas Dynamics Facility (VKF) consists of multiple wind tunnels, ranges and chambers and is located within the Arnold Engineering Development Center (AEDC) in Tullahoma, Tennessee. The supersonic Tunnel A and hypersonic Tunnel B are part of this complex.

Tunnels A and B (Figures 10 and 11) are continuous, closed-circuit, variable density wind tunnels. Tunnel A has an automatically driven flexible-plate-type nozzle and a 40- by 40-in. test section. The tunnel can be operated at Mach numbers from 1.5 to 6 at maximum stagnation pressures from 29 to 200 psia, respectively, and stagnation temperatures up to 750°R at Mach number 6. Minimum operating pressures range from about one-tenth to one-twentieth of the maximum at each Mach number.

Tunnel B has a 50-in.-diam test section and two interchangeable axisymmetric contoured nozzles to provide Mach numbers of 6 and 8. The tunnel can be operated continuously over a range of pressure levels from 20 to 300 psia at Mach number 6, and 50 to 900 psia at Mach number 8, with air supplied by the VKF main compressor plant. Stagnation temperatures sufficient to avoid air liquefaction in the test section (up to 1350°R) are obtained through the use of a natural gas fired combustion heater. The entire tunnel (throat, nozzle, test section, and diffuser) is cooled by integral, external water jackets. Each tunnel is equipped with a model injection system which allows removal of the model from the test section

while the tunnel remains in operation. A description of the tunnels may be found in Reference 4.

TEST PROCEDURES

The test was conducted at a nominal Mach number of 8 in Tunnel B and and nominal Mach numbers of 3 and 4 in Tunnel A. A summary of the specific test conditions is given in Table I. A more detailed test summary showing all configurations tested and the variables for each is presented in Table II.

In the VKF continuous flow wind tunnels (A and B), the model is mounted on a sting support mechanism in an installation tank directly underneath the tunnel test section. The tank is separated from the tunnel by a pair of fairing doors and a safety door. When closed, the fairing doors, except for a slot for the pitch sector, cover the opening to the tank, and the safety door seals the tunnel from the tank area. After the model is prepared for a data run, the personnel access door to the installation tank is closed, the tank is vented to the tunnel flow, the safety and fairing doors are closed. After the data are obtained, the model is retracted into the tank, and the sequence is reversed with the tank being vented to atmosphere to allow access to the model in preparation for the next run, if necessary. The sequence is repeated for each configuration change.

The initial step prior to recording the test data in each tunnel was to cool the model uniformly to approximately 80°F with high pressure air. Once the cooling cycle was complete, the desired model attitude was

established in the tank prior to injection. With the desired tunnel free stream conditions established, the model was then injected into the tunnel. At lift-off, the initial temperature, TW_i, for each thermocouple on the selected Constant Set was recorded. In Tunnel A, the data acquisition sequence was started prior to the model reaching the airstream. When the model reached tunnel centerline, it was translated to the forward test section to clear an area of tank induced shock impingement. The data acquisition sequence continued until the model reached the full forward position, approximately 8 seconds after lift-off. In Tunnel B, the model was injected directly into the test section. Therefore, the data acquisition sequence was initiated at lift-off and continued for approximately 3 seconds after the model reached the tunnel centerline. After each injection the model was retracted, and the cycle was repeated to cool the model to an isothermal state.

A Beckman® 210 analog-to-digital converter was used in conjunction with a Digital Equipment Corp.® (DEC) PDP-11 computer and a DEC-10 computer to record the temperature data. The Beckman® converter sampled the output of each thermocouple approximately 15 times per second (0.068 seconds per sample).

DATA REDUCTION

The reduction of thin-skin thermocouple data normally involves only the calorimetric heat balance, which, in coefficient form is

$$H(TO) = wbc_p \frac{DTWDT}{TO-TW} \tag{1}$$

Radiation and conduction losses are neglected in this heat balance, and data reduction simply requires evaluation of DTWDT from the temperature-time data and determination of model material properties. For the present tests, radiation effects were negligible; however, conduction effects were potentially significant in several regions of the model. To permit identification of these regions and improve evaluation of the data, the following procedure was used.

Separation of variables and integration of Eq. (1) assuming constant w, b, c_p, and TO yields

$$\frac{H(TO)}{wbc_p} (t - t_i) = \ell n \frac{TO-TW_i}{TO-TW} \tag{2}$$

Since $H(TO)/wbc_p$ is a constant, plotting $\ell n \left[(TO-TW_i)/(TO-TW)\right]$ versus time will give a straight line if conduction is negligible. Thus, deviations from a straight line can be interpreted as conduction effects.

The data were evaluated in this manner and, generally, a reasonably linear portion of the curve could be found for all thermocouples. A linear

least-squares curve fit of $\ln|(TO-TW_i)/(TO-TW)|$ versus time was applied to the data. In Tunnel A the data reduction time was delayed for all thermocouples that were influenced by the tank induced shock until they had cleared this region. The data reduction time for Tunnel B was typically started at centerline. However, the data for Runs 5-239 were reduced starting 0.4 seconds after centerline to obtain a linear portion of the curve. The curve fit extended for a time span which was a function of the heating rate, as shown on the following list.

Range	Number of Points	Time Span, sec.
DTWDT > 32	5	0.27
16 < DTWDT ≤ 32	7	0.41
8 < DTWDT ≤ 16	9	0.54
4 < DTWDT ≤ 8	13	0.82
2 < DTWDT ≤ 4	17	1.09
1 < DTWDT ≤ 2	25	1.63
DTWDT ≤ 1	41	2.72

In general, the time spans given above were adequate to keep the evaluation of the right-hand side of Eq. (2) within the linear region. The value of c_p was not constant, as assumed, and the relation

$$c_p = 0.0797 + (5.556 \times 10^{-5})\ TW, \text{ (17-4 PH stainless steel)} \qquad (3)$$

was used with the computed value of TW at the midpoint of the curve fit. The maximum variation of c_p over any curve fit was less than 1.5 percent.

Thus, the assumption of constant c_p was reasonable. The value of density used for the 17-4 PH stainless steel skin was, w = 490 lbm/ft^3, and the skin thickness, b, for each thermocouple is listed in Tables V, VI and VII. The four thermocouples (T/C No. 428, 429, 430, and 431) on the base of the 60-$\emptyset$ model, see Figure 7i, were attached to 15-5 PH stainless steel. The value of density for the 15-5 PH stainless steel was 490.75 lbm/ft^3, and the value of c_p was

$$c_p = 0.0645 + (5.8 \times 10^{-5})\ TW,\ Btu/lbm-^oR. \qquad (4)$$

The heat-transfer coefficient calculated from Eq. 2 was normalized using the Fay-Riddell stagnation point coefficient, HREF, based on a nose radius of 1.0 ft full scale (see Remarks section).

In addition to computing heat-transfer coefficient using TO as the assumed adiabatic wall temperature, TAW, coefficients were computed using an assumed TAW of 0.95 TO and a computed value of RTO for the data in Tunnel A and 0.9 TO and RTO for the data in Tunnel B. The value of R is defined as TAW/TO. The value of R was computed by the following equation supplied by Rockwell International (Reference 5).

$$K = a_1 + (a_2)(\sin(\alpha + \varepsilon))^{a_3} \qquad (5)$$

where α is the model angle of attack and ε is the local model surface deflection angle at a selected thermocouple location. The values of a_1, a_2, and a_3 for each Mach number are:

MACH NO.	a_1	a_2	a_3
3.0	0.9345	0.1004	2.165
4.0	0.922	0.1004	1.965
8.0	0.867	0.133	1.55

The local model surface angles, ε, for the appropriate thermocouples used in this test on the 60-$\emptyset$ model are presented in Table IX. The local surface angles on the 83-$\emptyset$ model are presented in Table X. For those thermocouples where ε is not given, an R value of 0.95 was used for Mach numbers 3 and 4 and a value of 0.9 was used for Mach 8.

The method used to calculate the analytical temperature ratio, R, has been applied to all the tabulated data. However, in regions of separated flow or complex interaction, the basic assumptions no longer apply, and the computed values of R should be used with care.

The use of three assumed values of TAW provides an indication of the sensitivity of the heat-transfer coefficients to the value of TAW assumed. As can be noted in the tabulated data, there are large percentage differences in the values of the heat-transfer coefficients calculated from the three assumed values of TAW. Therefore, if the data are to be used for flight predictions, the value selected for TAW/TO is obviously very important.

Equations and methods documented in this section and used to reduce the resulting data from this test series were extracted directly from Reference 7.

DISCUSSION OF RESULTS

The results of this test series, OH-84B, OH-105, and IH-102, were normalized heat transfer coefficients evaluated at the three assumed values of adiabatic wall temperature, TAW, for selected thermocouple locations on the 56-0, 60-0, and 83-0 models of the Space Shuttle orbiter. Data quality was determined by two factors: (1) the linear least squares curve fit of the log ratio versus time (see Data Reduction) and (2) comparison with previous data. Data quality for Tests OH-84B and OH-105 in Tunnel B were judged to be very good. Representative data from the lower centerline of the 60-0 model for Mach number 8 in Tunnel B are presented in Figure 12. The figure also shows data from a previous test of the same model which compares very well with the present data. Data quality for Test IH-102 in Tunnel A was not nearly as good as data from Tunnel B. The log ratio plots indicated that the thermocouples were strongly influenced by shocks emanating from the model installation tank and fairing doors as the model traversed forward on centerline. For runs where sideslip angles were required, data from thermocouples oriented toward the top of the test section would be significantly different than data from the same thermocouples oriented toward the bottom of the test section where the model installation tank was. In some cases where a pure sideslip angle was required, runs were repeated to orient the thermocouple toward the top of the test section. Therefore, although the Tunnel A data was completely reviewed at the facility before the final results were published, caution is required when using the data.

Two types of heat transfer data resulted from this test series, tabulated and plotted. Tabulated data are presented in the Appendix; ØH84B in Vol. 1-4; ØH105 in Vol. 5 and IH102 in Vol. 6. The plotted data are data received by Rockwell while on-site. These data are not included in this report but Table XI delineates those thermocouples selected from each constant set to be plotted. The three NASA tests completed during this program were intermingled for running efficiency and are reported in this document as a group. The data presented in the Appendix are listed in consecutive order of the test data sets as outlined in Table II. The following will help separate the data by NASA test number and by model number.

Runs	NASA Test No.	Model No.	Thermocouple Constant Sets
5-203	OH-84B	60-0 (Base Sting)	111, 122, 133
204-239	OH-105	60-0	711, 722, 733
240-372	AFFDL*	60-0	-
373-385	OH-105	60-0	811
386-414	IH-102	56-0	311
415-443	OH-105	83-0	911, 922
444-555	IH-102	60-0	511, 522, 533
556-575	IH-102	83-0	411, 422
577-768	OH-84B	60-0 (Offset Sting)	211, 222

*These tests were completed for the Air Force Flight Dynamics Laboratory using Model 60-0; data are not included in the Appendix.

DATA UNCERTAINTY

An evaluation of the influence of random measurement errors is presented in this section to provide a partial measure of the uncertainty of the final test results presented in this report. Although evaluation of the systematic measurement error (bias) is not included, it should be noted that the instrumentation accuracy values (see Instrumentation) used in this evaluation represent a total uncertainty combination of both systematic and two-sigma random error contributions.

Accuracy of the basic tunnel parameters PO and TO and the two-sigma deviation in Mach number determined from test section flow calibrations were used to estimate uncertainties in the other freestream properties, using the Taylor series method of error propagation; i.e.,

$$(\Delta F)^2 = \frac{\partial F}{\partial X_1}\Delta X_1^{\ 2} + \frac{\partial F}{\partial X_2}\Delta X_2^{\ 2} + \frac{\partial F}{\partial X_3}\Delta X_3^{\ 2} + \ldots \frac{\partial F}{\partial X_n}\Delta X_n^{\ 2}$$

where ΔF is the absolute uncertainty in the dependent parameter $F = f(X_1, X_2, X_3 \ldots X_n)$; $X_1, X_2, X_3 \ldots X_n$ are the independent measurements; and $\Delta X_1, \Delta X_2, \Delta X_3 \ldots \Delta X_n$ are the errors in the independent measurements.

MACH NO.	Uncertainty (±), percent					
	MACH NO.	PO	TO	P-INF	Q-INF	RE/FT
3.01	0.6	0.2	0.5	2.6	1.4	1.2
4.01	0.4	0.2	0.5	2.4	1.5	1.2
4.02	0.4	0.2	0.5	2.4	1.5	1.2
7.90	0.4	0.27	0.4	2.5	1.7	1.2
7.94	0.4	0.25	0.4	2.5	1.7	1.2
7.98	0.3	0.25	0.4	1.6	1.2	0.9
7.99	0.3	0.25	0.4	1.6	1.2	0.9
8.00	0.3	0.25	0.4	1.6	1.2	0.9

Reduced Data

Estimated uncertainties for the individual terms in Eq. (2) were used in the Taylor series method of error propagation to obtain uncertainty values of heat-transfer coefficient as represented typically by the ranges listed below:

Range of H(TO)	Uncertainty (±), percent	
	Tunnel A	Tunnel B
10^{-4}	15	10
10^{-3}	13	7
10^{-2}	10	5

These values assume that the uncertainty for the density, skin thickness, and specific heat of the thin skin material, as supplied by Rockwell are within ±1, ±3, and ±5 percent, respectively.

REFERENCES

1. W. F. Braddock, "Information for Testing the 0.0175-Scale Thin-Skin Thermocouple Model 60-0 in the AEDC VKF "B" Hypersonic Wind Tunnel, Test OH-84B," STS79-0248, May 11, 1979.

2. W. F. Braddock, "Information for Thin-Skin Heat Transfer Tests of Space Shuttle Orbiter Models 60-0 (0.0175-Scale) and 83-0 (0.04-Scale Forebody) in the AEDC VKF "B" Hypersonic Wind Tunnel, Test OH-105," STS79-0249, April 30, 1979.

3. W. F. Braddock, "Information for Thin Skin Heat Transfer Tests of the Space Shuttle 0.0175-Scale Launch Vehicle Model 56-0/60-TS, 0.04-Scale Orbiter Forebody Model 83-0, 0.0175-Scale Orbiter Model 60-0, and 0.0175-Scale Launch Vehicle Model 60-0TS in the AEDC VKF "A" Supersonic Wind Tunnel, Text IH-102", STS79-0239, April 30, 1979.

4. Test Facilities Handbook (Tenth Edition), "Von Karman Gas Dynamics Facility, Vol. 3," Arnold Engineering Development Center, May 1974.

5. Dr. Serge-Albert Waiter, "Determination of Temperature Efficiency R = TAW/TO in Low Temperature Wind Tunnels (An Engineering Attempt)," NA-77-299, Prepared for the 47th Semi-Annual Meeting of the Supersonic Tunnel Association, April 1977.

6. J. A. Fay and F. R. Riddell, "Theory of Stagnation Point Heat Transfer in Dissociated Air;" Journal of the Aeronautical Sciences, Vol. 25, No. 2, February 1958.

7. K. W. Nutt, G. L. Dommerman, and A. C. Mansfield, "Test Results from the NASA/Rockwell International Space Shuttle Orbiter Tests (OH-84B, IH-102, and OH-105)," AEDC-TSR-79-V42, August 1979.

TABLE I. TEST CONDITIONS

Mach Number	Stagnation Pressure	Stagnation Temperature	Dynamic Pressure	Static Pressure	Reynolds Number
MACH NO.	PO, psia	TO, ^{o}R	Q-INF, psia	P-INF, psia	RE/FT x 10^{-6}
3.01	10	710	1.7	0.27	1.0
3.01	34		5.8	0.91	3.5
3.01	37		6.3	0.99	3.8
4.01	17		1.2	0.11	1.0
4.02	33		2.4	0.21	2.0
4.02	58		4.2	0.37	3.5
4.02	66	710	4.8	0.42	4.0
7.9	100	1250	0.5	0.01	0.5
7.94	205	1260	1.0	0.02	1.0
7.98	435	1300	2.0	0.05	2.0
7.99	670	1320	3.1	0.07	3.0
8.0	850	1350	3.9	0.09	3.7

TABLE II.

SHEET 1 of 7 JEV

TEST : ΦH84B (V418-67) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE : 6/20/73

DATA SET IDENTIFIER	CONFIGURATION	PARAMETERS									REYNOLDS NUMBER x 10^6 / FT						TEST RUN NUMBERS
		α	β	δ_e	δ_{BF}	δ_{SB}	M	CONFIG CODE	SW. POS.	$C_{p_{ref}}$	0.5	1.0	2.0	3.0	3.7		
** R44*01	60 - Φ	25	0	0	0	49	8.0	10	3	133					5		
		25	0			49			1	111		9	8	7	6		
02		30	-4			0			1	111			155	116	129		
									2	122				117	130		
									3	133			157	118	131		
03			-2						1	111			152	113	126		
									2	122			153	114	127		
									3	133			154	115	128		
04			-1						1	111			149	110	122		
									2	122			150	111	123		
									3	133			151	112	125		
06			0						1	111	10		47	76	119		
									2	122	11		48	77	120		
									3	133	12		49	78	121		
07									3	133			148				
08			+1						1	111			50				
									2	122			51				
									3	133			52				

α OR β SCHEDULES

** In the tabulated data, thermocouples numbered ###A appear as 2### and ###C appear as 1###.

TABLE II (Continued)

SHEET 2 of 7 JEV

TEST : ϕH84B (V41B-67) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE : 6/20/79

DATA SET IDENTIFIER	CONFIGURATION	PARAMETERS α	β	δ_e	δ_{BF}	δ_{SB}	M	CONR CODE	SW. POS.	Config.	REYNOLDS NUMBER x 10^6 / FT 0.5	1.0	2.0	3.0	3.7			11ST RUN NUMBERS
R4U*09	60 - ϕ	30	+2	0	0	0	8.0	10	1	111			53					
10									1	111			54					
									2	122			55					
									3	133			56					
11		35	-4						1	111			164	107	141			
									2	122			165	108	142			
									3	133			166	109	143			
12			-2						1	111			161	104	138			
									2	122			162	105	139			
									3	133			163	106	140			
13			-1						1	111			158	101	135			
									2	122			159	102	136			
									3	133			160	103	137			
14			0						1	111		13	60	79	132			
									2	122		14	61	80	133			
									3	133		15	62	81	134			

α OR β SCHEDULES

TABLE II (Continued)

SHEET 3 of 7 JEV

TEST : ϕH84B (V41B-67) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE : 6/20/79

DATA SET IDENTIFIER	CONFIGURATION	PARAMETERS									REYNOLDS NUMBER x 10^6 / FT						
		α	β	δ_e	δ_{BF}	δ_{SB}	M	CONFIG CODE	SW. POS.	SET		0.5	1.0	2.0	3.0	3.7	
R4U*15	60 - ϕ	40	-10	0	0	0	8.0	10	1	111		201	188	170	98		
									2	122		202	189	171	99		
									3	133		203	190	172	100		
17			-4						1	111		198	185	176	97		
									2	122		199	186	177	95		
									3	133		200	187	178	96		
18			-2						1	111		195	182	173	89		
									2	122		196	183	174	90		
									3	133		197	184	175	93		
20			-1						1	111		** 191					
21									1	111		192	179	167	85		
									2	122		193	180	168	86		
									3	133		194	181	169	88		
22			0						1	111		16	32	73	82	145	
									2	122		17	33	74	83	146	
									3	133		18	34	75	84	147	

TEST RUN NUMBERS

α OR β SCHEDULES

** NO DATA AVAILABLE

TABLE II (Continued)

TEST: ϕH84B (V41B-67) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE: 6/20/79 | SHEET 4 of 7 | JEV

DATA SET IDENTIFIER	CONFIGURATION	PARAMETERS									REYNOLDS NUMBER x 10^6 / FT						
		α	β	δ_e	δ_{BF}	δ_{SB}	M	CONF CODE	SW. POS		0.5	1.0	2.0	3.0	3.7		
R44*24	60-ϕ	40	0	0	0	0	8.0	10	3	133				87			
25			+1						1	111	20	35	70				
									2	122	21	36	71				
									3	133	22	37	72				
26			+2						1	111	23	38	67				
									2	122	24	39	68				
									3	133	25	40	69				
27			+4						1	111	26	41	63				
									2	122	27	42	66				
									3	133	28	43	65				
28			+10						1	111	29	44	57				
									2	122	30	45	58				
									3	133	31	46	59				
29			0	-15	-12.5			20	1	211	717	715	709	707			
					-12.5				2	222	718	716	710	708			
30					0				1	211	719	713	711	705			
					0				2	222	720	714	712	706			

TEST RUN NUMBERS

α OR β SCHEDULES

TABLE II (Continued)

SHEET 5 of 7 JEV

TEST: ϕH84B (V41B-67) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE: 6/20/79

DATA SET IDENTIFIER	CONFIGURATION	PARAMETERS									REYNOLDS NUMBER x 10^6/FT							TEST RUN NUMBERS
		α	β	δ_e	δ_{RF}	δ_{SB}	M	CONFIG CODE	SW. POS.	Config	0.5	1.0	2.0	3.0	3.7			
R4U* 31	60 - ϕ	10	0	-12.5	-12.5	0	8.0	20	1	211	725	739	737	727				
					↓				2	222	726	740	738	728				
32					-5.0				1	211	723	741	735	729				
					↓				2	222	724	742	736	730				
33					0.0				1	211	721	743	733	731				
				↓	↓				2	222	722	744	734	732				
34				-5	-12.5				1	211	633	659	647	649				
					↓				2	222	634	660	648	650				
35					-5.0				1	211	635	657	645	655				
					↓				2	222	636	658	646	656				
36					0				1	211	637	663	643	653				
					↓				2	222	638	664	644	654				
37					5.0				1	211	639	661	641	651				
				↓	↓				2	222	640	662	642	652				
38				0	-12.5				1	211	631	605	603	581				
					↓				2	222	632	606	604	582				
39					-5.0				1	211	621	615	593	579				
					↓				2	222	622	616	594	580				

α OR β SCHEDULES

TABLE II (Continued)

SHEET 6 of 7 JEV

TEST: ϕH84B (V41B-67) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE: 6/20/79

DATA SET IDENTIFIER	CONFIGURATION	PARAMETERS									REYNOLDS NUMBER x 10^6 / FT							
		α	β	δ_e	δ_{BF}	δ_{SB}	M	CONF. CODE	SW. POS.	DAT. SET		0.5	1.0	2.0	3.0	3.7		
R4U*40	60 - ϕ	40	0	0	0	0	8.0	20	1	211		623	613	595	577			
↓	↓	↓	↓	↓	↓	↓	↓	↓	2	222		624	614	596	578			
41					5				1	211		625	611	597	583			
↓					↓				2	222		626	612	598	584			
42					8				1	211		619	617	591	589			
↓					↓				2	222		620	618	592	590			
43					15				1	211		627	609	599	585			
↓					↓				2	222		628	610	600	586			
44					23.5				1	211		629	607	601	587			
↓				↓	↓				2	222		630	608	602	588			
45				5	-5				1	211		681	667	687	701			
↓				↓	↓				2	222		682	668	688	702			
46					0				1	211		679	665	689	699			
↓					↓				2	222		680	666	690	700			
47					8				1	211		683	669	685	703			
↓					↓				2	222		684	670	686	704			
48					15				1	211		675	673	691	697			
↓	↓	↓	↓	↓	↓	↓	↓	↓	2	222		676	674	692	698			

TEST RUN NUMBERS

α OR β SCHEDULES

TABLE II (Continued)

Sheet 7 of 7 JEV

TEST: ϕH84B (V41B-67) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE: 6/20/79

DATA SET IDENTIFIER	CONFIGURATION	PARAMETERS									REYNOLDS NUMBER x 10^6 / FT							TEST RUN NUMBERS
		α	β	δ_e	δ_{RE}	δ_{SB}	M	CONF CODE	SW. POS	CONF SET		0.5	1.0	2.0	3.0	3.7		
R4U*49	60 - ϕ	40	0	5	23.5	0	8.0	20	1	211		677	671	693	695			
				5					2	222		678	672	694	696			
50				7.5	0				1	211		767	757	755	745			
									2	222		768	758	756	746			
51					15				1	211		765	759	753	747			
									2	222		766	760	754	748			
52					23.5				1	211		763	761	751	749			
									2	222		764	762	752	750			

α OR β SCHEDULES

TABLE II (Continued)

SHEET 1 of 2 JEV

TEST : ϕH105 (V418-67) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE : 6/20/69

DATA SET IDENTIFIER	CONFIGURATION	PARAMETERS									REYNOLDS NUMBER x 10^6 / FT								TEST RUN NUMBERS
		α	β	δ_e	δ_{RF}	δ_{SB}	M	CONFIG CODE	SW. POS.	CONFIG SET		0.5	1.0	2.0	3.0	3.7			
R4V*01	60 - ϕ	0	0	0	0	0	8.0	70	1	711			204		216	228			
									2	722			205		217	229			
									3	733			206		218	230			
									4	811			382		378	373			
02									4	811						377			
03		10							1	711			207		219	231			
									2	722			208		220	232			
									3	733			209		221	233			
									4	811			383		379	374			
04		15							1	711			210		222	237			
									2	722			211		223	238			
									3	733			212		224	239			
									4	811			384		380	375			
05		20							1	711			213		225	234			
									2	722			215		226	235			
									3	733			214		227	236			
									4	811			385		381	376			

α OR β SCHEDULES

TABLE II (Continued)

SHEET 2 of 2 JEV

TEST: ϕH 105 (V41B-67)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 6/20/79

DATA SET IDENTIFIER	CONFIGURATION	PARAMETERS α	β	δ_e	δ_{BF}	δ_{SB}	M	CONK CODE	SW. POS.	Con. Set	REYNOLDS NUMBER × 10^6/FT	0.5	1.0	2.0	3.0	3.7		
R4V*06	83 - ϕ	0	0	—	—	—	8.0	80	1	911						415		
									2	922					440			
07									1	911			424		432	416		
									2	922			425		433	417		
08		10							1	911			426		434	418		
									2	922			427		435	419		
09									1	911					441			
									2	922					442			
10		15							1	911					443			
11									1	911			428		436	420		
									2	922			429		437	421		
12		20							1	911			430		438	422		
									2	922			431		439	423		

TEST RUN NUMBERS

α OR β SCHEDULES

TABLE II (Continued)

SHEET 1 of 7 JRV

TEST: IH102 (V41B-67) DATA SET/RUN NUMBER COLLATION SUMMARY DATE: 6/20/69

DATA SET IDENTIFIER	CONFIGURATION	PARAMETERS									REYNOLDS NUMBER x 10^6 / FT							
		α	β	δ_e	δ_{BF}	δ_{SB}	M	CONFIG CODE	SWEEP PER			0.5	1.0	2.0	3.0	3.5	4.0	
R4W*01	56 - ϕ	0	-15	0	0	0	3.0	31	1	311							414	
02	↓	0	-15				4.0	31									413	
03	56-ϕ / 60-TS	-5	-11				3.0	30					389				394	
04		-5	-6														393	
05		-5	0										387				392	
06		0	-11										388				395	
07		0	-6														396	
08		0	-3														397	
09		0	0										386				391	
10		0	0										390					
11		5	0				↓										398	
12		-5	-11				4.0						402			411		
13		↓	-6														405	
14		↓	0										400				404	
15		0	-11										401				409	
16		↓	-6														408	
17		↓	-3														407	
18		↓	0										399				403	
19		↓	0														410	
20		5	0	↓	↓	↓	↓	↓	↓	↓							406	

11 ST RUN NUMBERS

α OR β SCHEDULES

TABLE II (Continued)

SHEET 2 of 7 JEV

TEST: IH102 (V418-67)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 6/20/79

DATA SET IDENTIFIER	CONFIGURATION	PARAMETERS α	β	δ_e	δ_{BF}	δ_{SB}	M	CONF CODE	SW. POS	[illegible]	REYNOLDS NUMBER x 10^6 / FT	0.5	1.0	2.0	3.0	3.5	4.0	
R4W*21	60 - Φ	-40	0	0	0	0	3.0	51	1	511						546		
									2	522						547		
									3	533						548		
22		-15	0					50	1	511						528		
									2	522						529		
									3	533						530		
23		0	-15						1	511						525		
									2	522						526		
									3	533						527		
24			0						1	511			531			522		
									2	522			532			523		
									3	533			533			524		
25		-40	0				4.0	51	1	511				553		550		
									2	522				554		551		
									3	533				555		552		
26		-30	0						1	511						549		
27		-15	0					50	1	511						540		
									2	522						541		
									3	533						542		

TEST RUN NUMBERS

α OR β SCHEDULES

TABLE II (Continued)

JEV

TEST: IH102 (V41B-67)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 6/20/79

DATA SET IDENTIFIER	CONFIGURATION	PARAMETERS									REYNOLDS NUMBER x 10^6 / FT							1ST RUN NUMBERS
		α	β	δ_e	δ_{RF}	δ_{SB}	M	CONFIG CODE	SW. POS	C_{ox} Set		0.5	1.0	2.0	3.0	3.5	4.0	
R4W*28	60 - ϕ	0	-15	0	0	0	4.0	50	1	511						537		
									2	522						538		
									3	533						539		
29			0						1	511			543			534		
									2	522			544			535		
									3	533			545			536		
30	60 - ϕTS	-5	-11				3.0	60	1	511						489		
									2	522						490		
									3	533						491		
31			-6						1	511			500			482		
									2	522			501			483		
									3	533			502			484		
32			0						1	511			497			471		
									2	522			498			472		
									3	533			499			473		
33		0	-11						1	511						488		
									2	522						486		
									3	533						487		

α OR β SCHEDULES

TABLE II (Continued)

JCV

TEST: IH102 (V418-67) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE: 6/20/79

DATA SET IDENTIFIER	CONFIGURATION	PARAMETERS									REYNOLDS NUMBER x 10^6 / FT							LIST RUN NUMBERS
		α	β	δ_e	δ_{RF}	δ_{SB}	M	CONFIG CODE	SW. POS.	Data Set		0.5	1.0	2.0	3.0	3.5	4.0	
R4W#36	60-ØTS	0	-6	0	0	0	3.0	60	1	511						492		
									2	522						480		
									3	533						481		
	38		-3						1	511						493		
									2	522						475		
									3	533						476		
	39		0						1	511			494			465		
									2	522			495			466		
									3	533			496			467		
	40	5	0						1	511						468		
									2	522						469		
									3	533						470		
	41	-5	-11				4.0		1	511						508		
									2	522						511		
									3	533						510		

α OR β SCHEDULES

TABLE II (Continued)

 JEV

TEST: IH102 (V418-67) DATA SET/RUN NUMBER COLLATION SUMMARY DATE: 6/20/79

DATA SET IDENTIFIER	CONFIGURATION	PARAMETERS									REYNOLDS NUMBER x 10^6 / FT						
		α	β	δ_e	δ_{BF}	δ_{SB}	M	CONFIG CODE	SW. POS	RUN SET		0.5	1.0	2.0	3.0	3.5	4.0	
R4W*42	60 - ØTS	-5	-6	0	0	0	4.0	60	1	511			519			459		
									2	522			520			460		
									3	533			521			461		
43			0						1	511			514			450		
									2	522			517			451		
									3	533			518			452		
45		0	-11						1	511						501		
									2	522						503		
									3	533						504		
																506		
47			-6						1	511								
									2	522						457		
									3	533						458		
																505		
49			-3						1	511						506		
									2	522						454		
									3	533						455		

TEST RUN NUMBERS

45

α OR β SCHEDULES

TABLE II (Continued)

SHEET 6 of 7 JEV

TEST: IH102 (V41B-67) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE: 6/20/79

DATA SET IDENTIFIER	CONFIGURATION	PARAMETERS									REYNOLDS NUMBER x 10^6 / FT							TEST RUN NUMBERS
		α	β	δ_e	δ_{RF}	δ_{SB}	M	CONR CODE	SW. POS	CONFIG SET	.5	1.0	2.0	3.0	3.5	4.0		
R4W*50	60- ΦTS	0	0	0	0	0	4.0	60	1	511		512			444			
		↓	↓	↓	↓	↓	↓	↓	2	522		515			445			
		↓	↓	↓	↓	↓	↓	↓	3	533		516			446			
51		5	0	↓	↓	↓	↓	↓	1	511					447			
		↓	↓	↓	↓	↓	↓	↓	2	522					448			
		↓	↓	↓	↓	↓	↓	↓	3	533					449			
52	83- Φ	-5	0	↓	↓	↓	3.0	40	1	411		566			558			
		↓	↓	↓	↓	↓	↓	↓	2	422		567			559			
53		↓	6	↓	↓	↓	↓	↓	1	411					562			
		↓	↓	↓	↓	↓	↓	↓	2	422					563			
54		0	0	↓	↓	↓	↓	↓	1	411		564			556			
		↓	↓	↓	↓	↓	↓	↓	2	422		565			557			
55		↓	6	↓	↓	↓	↓	↓	1	411					560			
		↓	↓	↓	↓	↓	↓	↓	2	422					561			
56		-5	0	↓	↓	↓	4.0	↓	1	411					570			
		↓	↓	↓	↓	↓	↓	↓	2	422					571			
57		↓	6	↓	↓	↓	↓	↓	1	411					574			
		↓	↓	↓	↓	↓	↓	↓	2	422					575			

α OR β SCHEDULES

TABLE II (Continued)

JTV

TEST: IH102 (V418-67)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 6/20/79

DATA SET IDENTIFIER	CONFIGURATION	PARAMETERS									REYNOLDS NUMBER x 10^6 / FT							
		α	β	δ_e	δ_{RF}	δ_{SB}	M	CONFIG CODE	SW. POS.	Cgn Set		0.5	1.0	2.0	3.0	3.5	4.0	
R4W*58	83-ϕ	0	0	0	0	0	4.0	40	1	411						568		
		↓	↓	↓	↓	↓	↓	↓	2	422						569		
59		↓	6	↓	↓	↓	↓	↓	1	411						572		
		↓	↓	↓	↓	↓	↓	↓	2	422						573		

TEST RUN NUMBERS

α OR β SCHEDULES

TABLE IIIA - MODEL 56-0 ORBITER DATA

MODEL DIMENSIONAL DATA

MODEL COMPONENT : BODY - B_{62}

GENERAL DESCRIPTION : Configuration 140C orbiter fuselage. MCR 200-R4 Similar to 140A/B fuselage except aft body revised and improved midbody-wing-boot fairing. X_o = 940 to X_o = 1040.

MODEL SCALE: 0.0175

DRAWING NUMBER : VL70-000140C, -000202C, -000205A
VL70-000200B, -000203

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (IML: FWD Sta X_o=238), In.	1290.3	22.58
Length (OML: Fwd Sta X_o=235), In.	1293.3	22.63
Max Width (At X_o = 1528.3), In.	264.0	4.62
Max Depth (At X_o = 1464), In.	250.0	4.38
Fineness Ratio	4.899	4.899
Area - Ft^2		
Max. Cross-Sectional	340.885	0.104
Planform		
Wetted		
Base		

TABLE IIIA - (Continued)

MODEL DIMENSIONAL DATA

MODEL COMPONENT : CANOPY - C_{12}

GENERAL DESCRIPTION : Configuration 140C orbiter canopy. Vehicle cabin No. 31 updated to MCR 200-R4. Used with fuselage B_{62}.

MODEL SCALE: 0.0175

DRAWING NUMBER : VL70-000140C, -000202B, -000204

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (X_o = 434.643 to 578), In.	143.357	2.508
Max Width (At X_o = 513.127), In.	152.412	2.667
Max Depth (Z_o = 501 to 449.39), In.	51.61	0.903
Fineness Ratio		
Area		
Max. Cross-Sectional		
Planform		
Wetted		
Base		

TABLE IIIA (Continued)

MODEL DIMENSIONAL DATA

MODEL COMPONENT: ELEVON - E_{52}

GENERAL DESCRIPTION: Elevon for configuration 140C. Hingeline at X_o = 1387, elevon split line X_w = 312.5, 6.0", beveled edges, and centerbodies.

MODEL SCALE: 0.0175

DRAWING NUMBER: VL70-000140C, -006089, -006092

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Area - Ft^2	210.0	0.064
Span (equivalent) - In.	349.2	6.111
Inb'd equivalent chord- In.	118.0	2.065
Outb'd equivalent chord	55.19	0.966
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	0.2096	0.2096
At Outb'd equiv. chord	0.4004	0.4004
Sweep Back Angles, degrees		
Leading Edge	0.0	0.0
Tailing Edge	- 10.056	- 10.056
Hingeline	0.0	0.0
Area Moment (Product of area & $\bar{c}$) Ft^3	1587.25	0.008
Mean Aerodynamic Chodr, In.	90.7	1.587
Hingeline dihedral (origin at Z_o = 261.3509), deg.	5.229	5.229

TABLE IIIA (Continued)

MODEL DIMENSIONAL DATA

MODEL COMPONENT : BODY FLAP - F_{10}

GENERAL DESCRIPTION : Configuration 140C body flap. Hingeline located at X_o = 1532, Z_o = 287.

MODEL SCALE: 0.0175

DRAWING NUMBER : VL70-000140C, -355114

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (X_o = 1525.5 to X_o = 1613), In.	87.50	1.531
Max Width (At L. E., X_o = 1525.5), In.	256.00	4.480
Max Depth (X_o = 1532), In.	19.798	0.346
Fineness Ratio		
Area - Ft^2		
Max. Cross-Sectional (At H. L.)	35.196	0.011
Planform	135.00	0.041
Wetted		
Base (X_o = 1613)	4.89	0.0015

TABLE IIIA (Continued)

MODEL DIMENSIONAL DATA

MODEL COMPONENT : OMS POD - $M_{1.6}$

GENERAL DESCRIPTION : Configuration 140C orbiter OMS Pod - short pod.

MODEL SCALE: 0.0175

DRAWING NUMBER : VL70-008401, -008410

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (OMS Fwd Sta X_o = 1310.5), In.	258.50	4.524
Max Width (At X_o = 1511), In.	136.8	2.394
Max Depth (At X_o = 1511), In.	74.70	1.307
Fineness Ratio	2.484	2.484
Area = Ft^2		
Max. Cross-Sectional	58.864	0.018
Planform		
Wetted		
Base		

TABLE IIIA (Continued)

MODEL DIMENSIONAL DATA

MODEL COMPONENT: VERTICAL - V_{30}

GENERAL DESCRIPTION: Slab sided vertical tail with extended span

MODEL SCALE: 0.0175

DIMENSIONS:	FULL SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo) - Ft^2 Planform	442.299	0.135
Span - In.	358.57	6.275
Aspect Ratio	2.019	2.019
Rate of Taper	0.507	0.507
Taper Ratio	0.323	0.323
Sweep-Back Angles, Degrees		
Leading Edge	45.000	45.000
Trailing Edge	26.25	26.25
0.25 Element Line	41.13	41.13
Chords:		
Root (Theo) WP	268.50	4.699
Tip (Theo) WP	86.75	1.513
MAC	193.12	3.380
Fus. Sta. of .25 MAC	1474.87	25.801
W.P. of .25 MAC	648.71	11.352
B.L. of .25 MAC	0.0	0.0
Airfoil Section		
Leading Wedge Angle - Deg.	11.75	11.75
Trailing Wedge Angle - Deg	0.0	0.0
Leading Edge Radius	0.0	0.0
Void Area	0.0	0.0
Blanketed Area	0.0	0.0

TABLE IIIA (Concluded)

MODEL DIMENSIONAL DATA

MODEL COMPONENT: WING-W_{137}

GENERAL DESCRIPTION: Configuration 140C orbiter wing, MCR 200-R4. Similar to 140A/B wing W_{116} but with refinements: improved wing-boot-midbody fairing (X_o = 940 to X_o = 1040). Elevon split line relocated from Y_o = 281 to Y_o = 312.5).

MODEL SCALE: 0.0175

TEST NO.

DWG. NO. VL70-000140C, -000200I

DIMENSIONS:	FULL-SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo.) Ft^2	2690.00	0.824
Planform Span (Theo In.	936.68	16.392
Aspect Ratio	2.265	2.265
Rate of Taper	1.177	1.177
Taper Ratio	0.200	0.200
Dihedral Angle, degrees	3.500	3.500
Incidence Angle, degrees	0.500	0.500
Aerodynamic Twist, degrees	3.000	3.000
Sweep Back Angles, degrees		
Leading Edge	45.000	45.000
Trailing Edge	- 10.065	- 10.065
0.25 Element Line	35.209	35.209
Chords:		
Root (Theo) B.P.0.0.	689.24	12.062
Tip, (Theo) B.P.	137.85	2.412
MAC	474.81	8.309
Fus. Sta. of .25 MAC	1136.83	19.895
W.P. of .25 MAC	290.58	5.085
B.L. of .25 MAC	182.18	3.187
EXPOSED DATA		
Area (Theo) Ft^2	1751.50	0.536
Span, (Theo) In. BP108	720.68	12.612
Aspect Ratio	2.059	2.059
Taper Ratio	0.245	0.245
Chords		
Root BP108	562.09	9.837
Tip 1.00 $\frac{b}{2}$	137.85	2.412
MAC	392.83	6.875
Fus. Sta. of .25 MAC	1185.98	20.755
W.P. of .25 MAC	294.30	5.500
B.L. of .25 MAC	251.77	4.406
Airfoil Section (Rockwell Mod NASA) XXXX-64		
Root $\frac{b}{2}$ =	0.113	0.113
Tip $\frac{b}{2}$ =	0.120	0.120
Data for (1) of (2) Sides		
Leading Edge Cuff Planform Area Ft^2	113.16	0.035
Leading Edge Intersects Fus M. L. @ Sta	500.00	8.750
Leading Edge Intersects Wing @ Sta	1024.0	17.920

TABLE III-B MODEL 60-Ø ORBITER

MODEL DIMENSIONAL DATA

MODEL COMPONENT : BODY - B_{62}

GENERAL DESCRIPTION : Configuration 140C orbiter fuselage, MCR 200-R4 Similar to 140A/B fuselage except aft body revised and improved midbody-wing-boot fairing, X_o = 940 to X_o = 1040.

MODEL SCALE: 0.0175

DRAWING NUMBER : VL70-000140C, -000202C, -000205A
VL70-000200B, -000203

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (IML: FWD Sta X_o=238), In.	1290.3	22.58
Length (OML: Fwd Sta X_o=235), In.	1293.3	22.63
Max Width (At X_o = 1528.3), In.	264.0	4.62
Max Depth (At X_o = 1464), In.	250.0	4.38
Fineness Ratio	4.899	4.899
Area - Ft^2		
Max. Cross-Sectional	340.885	0.104
Planform		
Wetted		
Base		

TABLE III-B (Continued)

MODEL DIMENSIONAL DATA

MODEL COMPONENT : CANOPY - C_{12}

GENERAL DESCRIPTION : Configuration 140C orbiter canopy. Vehicle cabin No. 31 updated to MCR 200-R4. Used with fuselage B_{62}.

MODEL SCALE: 0.0175

DRAWING NUMBER : VL70-000140C, -000202B, -000204

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (X_o = 434.643 to 578), In.	143.357	2.508
Max Width (At X_o = 513.127), In.	152.412	2.667
Max Depth (Z_o = 501 to 449.39), In.	51.61	0.903
Fineness Ratio		
Area		
Max. Cross-Sectional		
Planform		
Wetted		
Base		

TABLE III-B (Continued)

MODEL DIMENSIONAL DATA

MODEL COMPONENT: ELEVON - E_{52}

GENERAL DESCRIPTION: Elevon for configuration 140C. Hingeline at X_o = 1387, elevon split line X_w = 312.5, 6.0", beveled edges, and centerbodies.

MODEL SCALE: 0.0175

DRAWING NUMBER: VL70-000140C, -006089, -006092

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Area - Ft^2	210.0	0.064
Span (equivalent) - In.	349.2	6.111
Inb'd equivalent chord- In.	118.0	2.065
Outb'd equivalent chord	55.19	0.966
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	0.2096	0.2096
At Outb'd equiv. chord	0.4004	0.4004
Sweep Back Angles, degrees		
Leading Edge	0.0	0.0
Tailing Edge	- 10.056	- 10.056
Hingeline	0.0	0.0
Area Moment (Product of area & $\bar{c}$) Ft^3	1587.25	0.008
Mean Aerodynamic Chodr, In.	90.7	1.587
Hingeline dihedral (origin at Z_o = 261.3509), deg.	5.229	5.229

TABLE III-B (Continued)

MODEL DIMENSIONAL DATA

MODEL COMPONENT : BODY FLAP - F_{10}

GENERAL DESCRIPTION : Configuration 140C body flap. Hingeline located at X_o = 1532, Z_o = 287.

MODEL SCALE: 0.0175

DRAWING NUMBER : VL70-000140C, -355114

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (X_o = 1525.5 to X_o = 1613), In.	87.50	1.531
Max Width (At L.E., X_o = 1525.5), In.	256.00	4.480
Max Depth (X_o = 1532), In.	19.798	0.346
Fineness Ratio		
Area - Ft^2		
Max. Cross-Sectional (At H.L.)	35.196	0.011
Planform	135.00	0.041
Wetted		
Base (X_o = 1613)	4.89	0.0015

TABLE III-B (Continued)

MODEL DIMENSIONAL DATA

MODEL COMPONENT : OMS POD - M_{16}

GENERAL DESCRIPTION : Configuration 140C orbiter OMS Pod - short pod.

MODEL SCALE: 0.0175

DRAWING NUMBER : VL70-008401, -008410

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (OMS Fwd Sta X_o = 1310.5), In.	258.50	4.524
Max Width (At X_o = 1511), In.	136.8	2.394
Max Depth (At X_o = 1511), In.	74.70	1.307
Fineness Ratio	2.484	2.484
Area = Ft^2		
Max. Cross-Sectional	58.864	0.018
Planform		
Wetted		
Base		

TABLE III-B (Continued)

MODEL DIMENSIONAL DATA

MODEL COMPONENT: RUDDER - R_{18}

GENERAL DESCRIPTION: The rudder is a secondary movable airfoil at the trailing edge of the vertical fin that imparts yaw forces. This dimensional data was calculated from the OML master dimensions.

MODEL SCALE: 0.0175

DRAWING NUMBER: Vehicle 5 Configuration MCR 200, Rev. 7

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Area - Ft^2	97.84	0.030
Span (equivalent) - In.	198.614	3.476
Inb'd equivalent chord - In.	91.07	1.699
Outb'd equivalent chord - In.	50.80	0.889
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	0.400	0.400
At Outb'd equiv. chord	0.400	0.400
Sweep Back Angles, degrees		
Leading Edge	34.833	34.833
Tailing Edge	26.249	26.249
Hingeline	34.833	34.833
Area Moment (Product of Area & $\bar{c}$), (Normal to hingeline) Ft^3	593.889	0.032
Mean Aerodynamic Chord, In.	72.840	1.275

TABLE III-B (Continued)

MODEL DIMENSIONAL DATA

MODEL COMPONENT: VERTICAL - V_8

GENERAL DESCRIPTION: Configuration 140C orbiter vertical tail (identical to configuration 140A/B vertical tail).

MODEL SCALE: 0.0175

DRAWING NUMBER: VL70-000140C, -000146B

DIMENSIONS:	FULL SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo) - Ft^2		
Planform	413.253	0.127
Span (Theo) - In.	315.72	5.350
Aspect Ratio	1.675	1.675
Rate of Taper	0.507	0.507
Taper Ratio	0.404	0.404
Sweep-Back Angles, Degrees.		
Leading Edge	45.000	45.000
Trailing Edge	26.25	26.25
0.25 Element Line	41.13	41.13
Chords:		
Root (Theo) WP	268.50	4.699
Tip (Theo) WP	108.47	1.898
MAC	199.81	3.497
Fus. Sta. of .25 MAC	1463.35	25.609
W.P. of .25 MAC	635.52	11.122
B.L. of .25 MAC	0.0	0.0
Airfoil Section		
Leading Wedge Angle - Deg.	10.00	10.00
Trailing Wedge Angle - Deg.	14.92	14.92
Leading Edge Radius	2.00	2.00
Void Area	13.17	0.0040
Blanketed Area	0.0	0.0

TABLE III-B (Concluded)

MODEL DIMENSIONAL DATA

MODEL COMPONENT: WING-W_{116}

GENERAL DESCRIPTION: Configuration 5

NOTE: Identical to W_{114} except airfoil thickness. Dihedral angle is along trailing edge of wing. Geometric twist = 0.

MODEL SCALE: 0.0175

TEST NO. DWG. NO. VL70-000140A, -000200

DIMENSIONS:	FULL-SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo.) Ft^2		
Planform	2690.0	0.824
Span (Theo) In.	936.68	16.392
Aspect Ratio	2.265	2.265
Rate of Taper	1.177	1.177
Taper Ratio	0.200	0.200
Dihedral Angle, degrees	3.500	3.500
Incidence Angle, degrees	0.500	0.500
Aerodynamic Twist, degrees		
Sweep Back Angles, degrees		
Leading Edge	45.000	45.000
Trailing Edge	- 10.056	- 10.056
0.25 Element Line	35.209	35.209
Chords:		
Root (Theo) B.P.0.0.	689.24	12.062
Tip, (Theo) B.P.	137.85	2.412
MAC	474.81	8.309
Fus. Sta. of .25 MAC	1136.83	19.895
W.P. of .25 MAC	290.58	5.085
B.L. of .25 MAC	182.13	3.187
EXPOSED DATA		
Area (Theo) Ft^2	1751.50	0.536
Span, (Theo) In. BP108	720.68	12.612
Aspect Ratio	2.059	2.059
Taper Ratio	0.245	0.245
Chords		
Root BP108	562.09	9.837
Tip 1.00 $\frac{b}{2}$	137.85	2.412
MAC	392.83	6.875
Fus. Sta. of .25 MAC	1185.98	20.755
W.P. of .25 MAC	294.30	5.150
B.L. of .25 MAC	251.77	4.406
Airfoil Section (Rockwell Mod NASA) XXXX-64		
Root $\frac{b}{2}$ =	0.113	0.113
Tip $\frac{b}{2}$ =	0.120	0.120
Data for (1) of (2) Sides		
Leading Edge Cuff Planform Area Ft^2	113.18	0.035
Leading Edge Intersects Fus M. L. @ Sta	500.00	8.750
Leading Edge Intersects Wing @ Sta	1024.00	17.920

TABLE III-C MODEL 60-Ø TANK AND SRB'S.

MODEL DIMENSIONAL DATA

MODEL COMPONENT : EXTERNAL TANK - T_{38}

GENERAL DESCRIPTION : Spike nose configuration.

MODEL SCALE: 0.0175

DRAWING NUMBER : VC78-000002E (ET DRAWING)
VC72-000002F (SHUTTLE CONFIG. DRAWING)

(Dimensions are to tank structural OML, TPS not included).

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length	1850.525	32.384
Max Width	331.00	5.792
Max Depth		
Fineness Ratio	5.687	5.687
Area - Ft^2		
Max. Cross-Sectional	594.678	0.1821
Planform		
Wetted		
Base		

TABLE III-C (Concluded)

MODEL DIMENSIONAL DATA

MODEL COMPONENT : BOOSTER SOLID ROCKET MOTOR - S_{26}

GENERAL DESCRIPTION : The BSRM is an external propulsion system which is jettisoned and recoverable after burnout. The BSRM's can be refurbished and reused after recovery.

MODEL SCALE: 0.0175

DRAWING NUMBER : SRB DRAWING - VC77-000002G, VC77-000003F
SHUTTLE CONFIG. - VC72-000002F

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length	1789.60	31.318
Max Width tank dia., In.	146.00	2.555
Max Depth , aft shroud dia.; In.	208.20	3.643
Fineness Ratio	8.596	8.596
Area		
Max. Cross-Sectional		
Planform		
Wetted		
Base		
W.P. of BSRM centerline	400.0	
F.S. of BSRM nose	743.0	
B.P. of BSRM centerline	250.5	

TABLE III-D MODEL 83-Ø ORBITER

MODEL DIMENSIONAL DATA

MODEL COMPONENT : BODY - B_{60}

GENERAL DESCRIPTION : 50% orbiter forebody, vehicle 140C.

NOTE: This body includes a small portion of the wing glove.

MODEL SCALE: 0.040

DRAWING NUMBER : VL70-000140C

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length	645.15	25.80
Max Width	330.00	13.20
Max Depth		
Fineness Ratio		
Area		
Max. Cross-Sectional		
Planform		
Wetted		
Base		

TABLE III-D (Concluded)

MODEL DIMENSIONAL DATA

MODEL COMPONENT : CANOPY - C_{10}

GENERAL DESCRIPTION : Configuration 4 canopy and windshield as used with B_{25}, six glass panes in windshield.

MODEL SCALE: 0.040

DRAWING NUMBER : VL70-000140B, 140C, 202B

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (X_o =434.643 to 670), In.	235.357	9.414
Max Width		
Max Depth (Glass), In.	28.00	1.12
Fineness Ratio		
Area		
Max. Cross-Sectional		
Planform		
Wetted		
Base		
Nose/windshield intersection, X_o =	434.643	17.386

TABLE IV. CONFIGURATION CODES

NASA TEST CODE	MODEL CONFIGURATION CODE (See Figure 6)	MODEL CONFIGURATION	TUNNEL	THERMOCOUPLE CONSTANT SETS
OH-84B	10	60-Ø BASE STING	B	111, 122, 133
OH-84B	20	60-Ø OFFSET STING	B	211, 222
IH-102	30	56-ØTS	A	311
IH-102	31	56-Ø	A	311
IH-102	40	83-Ø	A	411, 422
IH-102	50	60-Ø	A	511, 522, 533
IH-102	51	60-Ø	A	511, 522, 533
IH-102	60	60-ØTS	A	511, 522, 533
OH-105	70	60-Ø	B	711, 722, 733, 811
OH-105	80	83-Ø	B	911, 922

TABLE V. 60-Ø MODEL THERMOCOUPLE LOCATIONS

T/C No.	x/L	Full Scale X_o	Full Scale Y_o	Full Scale Z_o	Model Scale $X_{from\ nose}$	Model Scale Y	Model Scale $Z_{from\ FRL}$	ϕ	Skin Thickness	Mat'l	Remarks
1	0	235.0	0	–	0	0	–	0	.040	17-4	Bottom ℄
2	.005	241.47			.113				.032		
3	.01	247.93			.226				.033		
4	.02	260.87			.453				.040		
5	.03	273.80			.679				.040		
6	.04	286.73			.905				.040		
7	.05	299.67			1.132				.033		
8	.06	312.60			1.358				.035		
9	.07	325.53			1.584				.032		
10	.08	338.46			1.811				.032		
11	.09	351.40			2.037				.035		
12	.10	364.32			2.263				.037		
13	.12	390.20			2.716				.040		
14	.13	403.13			2.942				.038		
15	.14	416.06			3.169				.035		
16	.15	429.00			3.395				.036		
17	.16	441.93			3.621				.036		
18	.17	454.86			3.848				.035		
19	.18	467.79			4.074				.035		
20	.19	480.73			4.300				.035		
21	.20	493.66			4.527				.035		
22 C	.225	525.99			5.092				.035		
23	.25	558.32			5.658				.035		
24	.30	622.99			6.790				.035		
25	.35	687.66			7.922				.035		
26	.40	752.32			9.053				.034		
27 C	.45	816.99			10.185				.033		
28 C	.50	881.65			11.315				.032		
29 C	.55	946.32			12.448				.030		
30 C	.60	1010.9			13.580				.030		
31 C	.65	1075.6			14.711				.030		
32 C	.70	1140.3			15.843				.029		
33 C	.75	1204.9			16.975				.030		
34C	.80	1269.6	↓	↓	18.106	↓	↓	↓	.030	↓	↓

TABLE V. Continued

T/C No.	X/L	Full Scale			Model Scale			ϕ	Skin Thickness	Mat'l	Remarks
		X_o	Y_o	Z_o	$X_{from\ nose}$	Y	$Z_{from\ FRL}$				
35C	.85	1324.3	0	-	19.063	0	-	0	.029	17-4	Bottom ℄
36C	.90	1398.9			20.369				.031		
37C	.925	1431.3			20.936				.027		
38C	.950	1463.6			21.501				.027		
39C	.975	1495.9			22.067				.023		
40	1.015	1547.7			22.972				.030		
41	1.03	1567.1			23.312				.030		
42	1.045	1586.5			23.651				.028		
43	1.06	1605.0			23.977				.0265		
44	.05	299.67	25.0		1.132	.438		14	.032		Fuselage Bottom Surface
45	.10	364.33	20.0		2.263	.350		10	.036		
46	.15	429.0	24.0		3.395	.420		10	.035		
48	.20	493.66	50.0		4.527	.875		24	.025		
50C	.50	881.65	46.8		11.316	.819		-	.028		
51C	.60	1010.9			13.580				.025		
52C	.70	1140.3			15.843				.030		
53C	.80	1269.6			18.106				.030		
54C	.90	1398.6			20.369				.028		
55C	.95	1463.6			21.501				.025		
56C	.975	1495.9			22.067				.028		
57	1.015	1547.7			22.972				.030		
58	1.03	1567.1			23.312				.030		
59	1.045	1586.5			23.651				.030		
60	1.060	1605.0			23.977				.031		
61C	.40	752.32	93.60		9.053	1.638			.032		
62C	.50	881.65			11.316				.031		
63C	.60	1010.9			13.580				.033		
64C	.70	1140.3			15.843				.029		
65C	.80	1269.6			18.106				.031		
66C	.90	1398.6			20.369				.030		
67C	.95	1463.6			21.501				.029		
68C	.975	1495.9			22.067				.028		

TABLE V. Continued

T/C No.	X/L	Full Scale X_o	Full Scale Y_o	Full Scale Z_o	Model Scale $X_{from\ nose}$	Model Scale Y	Model Scale $Z_{from\ FRL}$	ϕ	Skin Thickness	Mat'l	Remarks
69	1.015	1547.7	93.6	-	22.972	1.638	-	-	.0275	17-4	Fus. Bottom Sur.
70	1.03	1567.1			23.312				.0285		
71	1.045	1586.5			23.651				.029		
72	1.06	1605.0			23.977				.027		
169	.01	247.93	0		.226	0		180	.033		Top ℄
170	.025	267.33			.565				.031		
171	.050	299.67			1.129				.035		
172	.075	332.0			1.694				.035		
173	.100	364.33			2.258				.034		
174	.125	396.66			2.283				.032		
175	.150	429.0			3.387				.032		
176	.160	441.93			3.613				.040		
177	.170	459.86			3.839				.040		
178	.180	467.79			4.064				.033		
179	.200	493.66			4.516				.036		
[illegible]					5.058						
[illegible]					5.20						
182	.40	752.32			9.053				.026		
183	.45	816.99			10.185				.026		
184	.50	881.65			11.316				.025		
185	.55	946.32			12.448				.026		
186	.60	1010.9			13.580				.025		
187	.65	1075.6			14.711				.024		
188	.70	1140.3			15.843				.025		
189	.75	1204.9			16.975				.0255		
190	.80	1269.6			18.106				.023		
191	-	-	6.00	452.0	-	.105	.910	-	.031		Window #1 Bott. Right
192			12.80	478.0		.224	1.365		.031		Top Right
193			21.20	464.9		.371	1.136		.030		Center
194			29.60	478.0		.518	1.365		.028		Top Left
195			34.30	452.0		.602	.910		.030		Bottom Right
196			40.40	452.0		.707	.910		.030		Window #2 Bottom Right
197			34.80	478.0		.609	1.365		.030		Top Right
198			44.80	464.9		.784	1.136		.030		Center

TABLE V. Continued

T/C No.	X/L	Full Scale X_o	Full Scale Y_o	Model Scale Z_o	Model Scale $X_{from\ nose}$	Model Scale Y	Model Scale $Z_{from\ FRL}$	ϕ	Skin Thickness	Mat'l	Remarks
199	–	–	43.20	478.0	–	.756	1.365	–	.030	17-4	Window #2 Top LT
200			59.20	452.0		1.036	.910		.029		Bottom Left
201			52.40	464.9		1.092	1.136		.029		Window #3 Center
202	.05	299.6	–	303.6	1.132	–	-1.687	22	.040		Fus. Side CCL
203				325.6			-1.302	35	.035		MHB
204				342.4			-1.008	42.5	.033		UT
205				378.4			-0.378	60	.033		45T
206	.076	332.2		350.0	1.720		-0.875	–	.035		RCS
207	.10	364.3	39.20	–	2.263	.686	–	20	.038		
208			52.00			.910	–	24.5	.035		CCL
209			–	317.6		–	-1.448	39	.035		MHB
210				410.0			0.175	119	.037		
211	.15	429.0	40.80	–	3.395	.714	–	20	.035		
212			62.00	–		1.085	–	25.5	.025		CCL
213			79.20	304.8		1.386	-1.666	40	.030		CCL
214			83.60	314.4		1.463	-1.498	45.5	.038		MHB
215	.20	493.6	65.80	287.2	4.527	1.148	-1.978	31.5	.022		CCL
216			75.60	292.0		1.323	-1.890	35	.022		CCL
217			85.20	298.8		1.491	-1.771	40	.020		CCL
218			–	320.0		–	-1.400	51	.035		MHB
219			–	360.0			-0.700	67.5	.030		UT
220			–	410.0			0.175	96.5	.031		Upper Fuselage
223	.40	752.32	–	–	9.053	–	–	157.5	.034		Upper Fuselage
224	.45	816.99			10.185				.034		
225	.50	881.65			11.316				.034		
226	.55	946.32			12.448				.035		
227	.60	1010.9			13.580				.034		
228	.65	1075.6			14.711				.0325		
229	.70	1140.3			15.843				.030		
230	.75	1204.9			16.975				.030		
231	.80	1269.6			18.106				.032		

TABLE V. Continued

T/C No.	X/L	Full Scale X_o	Full Scale Y_o	Full Scale Z_o	Model Scale $X_{from\ nose}$	Model Scale Y	Model Scale $Z_{from\ FRL}$	ϕ	Skin Thickness	Mat'l	Remarks
										17-4	Upper Fuselage
234	.40	752.32	-	-	9.053	-	-	135	.030		
235	.45	816.99			10.185				.030		
236	.50	881.65			11.316				.036		
237	.55	946.32			12.448				.035		
238	.60	1010.9			13.580				.031		
239	.65	1075.6			14.711				.032		
240	.70	1140.3			15.843				.030		
241	.75	1204.9			16.975				.032		
242	.80	1269.6			18.106				.032		
288 C	.975	1496.0	-	381.2	22.068	-	-0.329	-	0.030		Aft Fuselage Side
388	.40	752.32	-	445.0	9.053		0.788	114	.031		Upper Fuselage Side
389	.45	816.99			10.185				.033		
390	.50	881.65			11.316				.036		
391	.55	946.32			12.448				.0395		
392	.60	1010.9			13.580				.0335		
393	.65	1075.6			14.711				.0345		
394	.70	1140.3			15.848				.034		
395	.75	1204.9			16.975				.036		
396	.80	1269.6			18.106				.034		

TABLE V. Continued

Wing T/C Locations

T/C No.	2Y/B	Full Scale X/C	Full Scale X_o	Full Scale Y_b	Model Scale $X_{from\ L.E.}$	Model Scale Y	Elevon T/C	Skin Thickness	Mat'l	Remarks
73C	.30	0		140.5	0	2.459		.020	17-4	Wing Lower Sur.
74C		.05			.670			.020		
75C		.10			1.340			.026		
76C		.20			2.680			.031		
77C		.30			4.020			.030		
78C		.40			5.360			.031		
79C		.50			6.700			.030		
80C		.60			8.040			.030		
81C		.70			9.380			.031		
82C		.80			10.720			.030		
83		.90			12.060		X	.0305		
84		.95			12.730		X	.031		
86C	.40	0		187.3	0	3.277		.022		
87C		.05			.438			.031		
88C		.10			.876			.031		
89C		.20			1.753			.030		
90C		.30			2.629			.031		
91C		.40			3.506			.029		
92C		.60			5.259			.033		
93C		.70			6.135			.033		
94C		.75			6.573			.030		
95		.85			7.449			.0295		
96		.90			7.888		X	.026		
97		.95			8.326		X	.0275		
98C	.45	0		210.7	8.688	3.687	X	.030		
99C	.50	0		234.1	0	4.098		.027		
100C		.05			.364			.029		
101C		.10			.727			.030		
102C		.20			1.454			.031		
103C		.30			2.181			.031		
104C		.40			2.908			.031		
105C		.60			4.362			.032		
106C		.70			5.089			.031		

TABLE V. Continued

Wing T/C Locations

T/C No.	2Y/B	Full Scale X/C	Full Scale X_o	Full Scale Y_o	Model Scale X from L.E.	Model Scale Y	Elevon T/C	Skin Thickness	Hat'l	Remarks
107	.50	.90		234.1	6.543	4.098	X	.0285	17-4	Wing Lower Sur.
108C	.55	0		257.6	0	4.508		.026		
109C	.60	0		281.0	0	4.918		.024		
110C		.025			.157			.029		
111C		.05			.314			.028		
112C		.075			.470			.030		
113C		.10			.627			.031		
114C		.20			1.254			.031		
115C		.30			1.882			.033		
116C		.40			2.509			.032		
117C		.50			3.136			.032		
118C		.60			3.763			.032		
119C		.70			4.390			.031		
120		.80			5.018		X	.030		
121		.85			5.331		X	.0305		
122		.90			5.645		X	.0295		
123		.95			5.958		X	.0295		
124C	.65	0		309.4	0	5.327		.026		
125C	.70	0		327.8	0	5.737		.017		
126C		.025			.133			.024		
127C		.10			.531			.032		
128C		.20			1.061			.036		
129C		.30			1.592			.036		
130C		.40			2.123			.035		
131		.60			3.184			.035		
132		.90			4.776		X	.031		
133	.75	0		352.8	0	6.174		.028		
134		.025			.121			.028		
135		.05			.241			.030		
136		.10			.483			.032		
137		.20			.965			.032		
138		.30			1.448			.035		
139		.40			1.930			.034		
140		.60			2.895			.033		

TABLE V. Continued

Wing T/C Locations

T/C No.	2Y/B	Full Scale X/C	Full Scale X_o	Full Scale Y_o	Model Scale $X_{from\ L.E}$	Model Scale Y	Elevon T/C	Skin Thickness	Mat'l	Remarks
141C	.75	.70		352.8	3.378	6.174		.031	17-4	Wing Lower Surf.
142	↓	.80		↓	3.860	↓	X	.027	↓	↓
143	↓	.90		↓	4.343	↓	X	.0305	↓	↓
144	↓	.95		↓	4.584	↓	X	.0295	↓	↓
145	.80	0		374.6	0	6.557		.024	↓	↓
146	↓	.20		↓	.868	↓		.032	↓	↓
147	↓	.40		↓	1.737	↓		.031	↓	↓
148	↓	.90		↓	3.908	↓	X	.0305	↓	↓
149	.85	0		398.1	0	6.967		.028	↓	↓
150	↓	.20		↓	.772	↓		.031	↓	↓
151	↓	.40		↓	1.544	↓		.030	↓	↓
152	.90	0		421.4	0	7.376		.028	↓	↓
153	↓	.10		↓	.338	↓		.030	↓	↓
154	↓	.20		↓	.675	↓		.031	↓	↓
155C	↓	.30		↓	1.013	↓		.031	↓	↓
156	↓	.50		↓	1.689	↓		.031	↓	↓
157C	↓	.60		↓	2.026	↓		.032	↓	↓
158	↓	.80		↓	2.702	↓	X	.0285	↓	↓
159	↓	.90		↓	3.039	↓	X	.028	↓	↓
160	.95	0		444.9	0	7.786		.030	↓	↓
161	↓	.05		↓	.138	↓		.031	↓	↓
162	↓	.10		↓	.276	↓		.030	↓	↓
163	↓	.20		↓	.552	↓		.032	↓	↓
164	↓	.30		↓	.827	↓		.031	↓	↓
165	↓	.50		↓	1.379	↓		.030	↓	↓
166	↓	.70		↓	1.931	↓	X	.0295	↓	↓
167	↓	.80		↓	2.206	↓	X	.030	↓	↓
168	↓	.90		↓	2.482	↓	X	.0295	↓	↓
246	.400	.05		187.3	.438	3.278		.024	↓	Wing Upper Surface
247	↓	.20		↓	1.753	↓		.028	↓	↓
248	↓	.40		↓	3.506	↓		.024	↓	↓

TABLE V. Continued

WING T/C LOCATIONS

T/C No.	2Y/B	X/C	Full Scale Xo	Full Scale Yo	Model Scale X From LE	Model Scale Y		Elevon T/C	Skin Thickness	Mat'l	Remarks
249	.40	.60		187.3	5.258	3.278			.020	17-4	Wing Upper Surf.
250		.75			6.573				.030		
251		.80			7.011			x	.029		
252		.95			8.326			x	.025		
253	.60	.025		281.0	.157	4.918			.009		
254		.05			.314				.011		
255		.10			.627				.021		
256		.20			1.254				.025		
257		.40			2.509				.027		
258		.60			3.763				.024		
259		.75			4.703				.025		
260		.85			5.331			x	.027		
261		.95			5.958			x	.020		
262	.70	.20		327.83	1.061	5.737			.024		
263		.40			2.123				.025		
264		.90			4.776			x	.028		
265	.75	.10		352.25	.483	6.147			.023		
266		.20			.965				.023		
267		.40			1.930				.025		
268		.60			2.895				.022		
269		.80			3.860			x	.024		
270		.90			4.430			x	.028		
271	.80	.90		374.69	3.908	6.557		x	.029		
272	.90	.20		421.99	.675	7.376			.025		
273		.40			1.351				.025		
274		.60			2.026				.030		
275	.95	.20		444.91	.552	7.786			.023		
276		.40			1.103				.030		
277		.50			1.379				.025		
278		.70			1.930			x	.028		
279		.90			2.206			x	.029		
280		.90			2.481			x	.028		

TABLE V. Continued

OMS Pod T/C Locations

T/C No.	X/L	Full Scale X_o	Full Scale Y_o	Full Scale Z_o	Model Scale $X_{from\ Pod\ LE}$	Model Scale $Z_{from\ FRL}$		Skin Thickness	Mat'l	Remarks
293		1313	[illegible]						17-4	
294			[illegible]							
295			[illegible]							
296			[illegible]							
297			[illegible]							
298		1325	106.9	428.6				.030		
299			98.77	489.2				.033		
300			67.73	511.3				.030		
301			48.78	506.7				.028		
302		1350	123.6	440.4				.024		
303			132.0	458.6				.030		
304			108.9	498.5				.032		
305			69.5	524.4				.029		
306			47.3	515.5				.031		
307			[illegible]							
308		1375	111.6	421.6				.016		
309			130.0	440.0				.023		
310			139.6	460.0				.035		
311			113.8	503.4				.028		
312			72.4	531.0				.031		
313		1400	48.28	523.4				.027		
314			[illegible]							
315		1425	115.0	415.1				.031		
316			133.7	437.7				.030		
317			147.7	466.3				.038		
318			119.7	508.6				.027		
319			77.34	536.5				.030		
320		1450	117.48	418.2				.023		
321			134.5	436.0				.029		
322			149.8	468.2				.033		
323			122.2	511.1				.025		
324			[illegible]							
325			48.3	526.6				.027		
326			[illegible]							

TABLE V. Continued

OMS Pod T/C locations

T/C No.	X/L	Full Scale			Model Scale				Skin Thickness	Mat'l	Remarks
		X_o	Y_o	Z_o	$X_{from\ Pod\ LE}$	Y	$Z_{from\ FRL}$				
327		1500	136.7	437.0					.029	17-4	
328			151.2	470.4					.036		
329			125.6	514.0					.031		
330			89.5	539.4					.031		
331			55.7	532.3					.034		
332		1525	-	424.0					.029		Downward Firing RCS
333			-	431.0					.034		
334				440.0					.035		
335				493.0					.029		
336			133.0	-					.030		Upward Firing RCS
337		1545	-	428.0					.022		Downwd Firing RCS
338				434.0					.027		
339				443.0					.039		

TABLE V. Continued

VERTICAL TAIL T/C LOCATIONS

T/C No.	$Z/_{BV}$	X/C	Full Scale X_o	Full Scale Z_o	Model Scale X from L.E.	Model Scale Z from FRL	Rudder T/C	Skin Thickness	Mat'l	Remarks
340	.10	.10						.0315	17-4	External Surface
341		.30						.0305		
342		.50						.0295		
343	.20	.10						.031		
344		.20						.0302		
345		.40						.0313		
346		.60						.031		
347		.80						.0315		
348	.30	.05						.0297		
349		.20						.031		
350		.40						.031		
351		.50						.0318		
352		.90					x	.030		
353	.40	.10						.0305		
354		.20						.0315		
355		.40						.0315		
356		.50						.0308		
357		.70					x	.029		
358		.90					x	.0298		
359	.50	.05						.0285		
360		.70					x	.028		
361		.90					x	.0315		
362	.60	.05						.029		
363		.10						.0295		
364		.20						.0303		
365		.40						.0318		
366		.50						.0315		
367		.70					x	.028		
368		.90					x	.030		
369	.70	.05						.0275		
370		.70					x	.0275		
371		.90					x	.029		
372	.80	.05						.029		
373		.10						.0293		

TABLE V. Continued

VERTICAL TAIL T/C LOCATIONS

T/C No.	Z/BV	Full Scale X/C	Full Scale X_o	Full Scale Z_o	Model Scale $X_{from\ L.E.}$	Model Scale $Z_{from\ FRL}$	Model Scale	Rudder T/C	Skin Thickness	Mat'l	Remarks
374	.80	.40							.031	17-4	External Surface
375	↓	.50							.0325	↓	↓
376	↓	.70						X	.028	↓	↓
377	↓	.90						X	.029	↓	↓
378	.90	.10							.031	↓	↓
379	↓	.30							.0305	↓	↓
380	↓	.50							.032	↓	↓
381	↓	.70							.0308	↓	↓
382	↓	.90							.0298	↓	↓
383	.95	.30							.0313	↓	↓
384	↓	.50							.0315	↓	↓
385	↓	.90							.033	↓	↓
397C									.0318	17-4	Speed Brake Cavity
398C									.0312	↓	↓
399C									.0312	↓	↓
400C									.0312	↓	↓

Table V. (Continued)

BASE HEATSHIELD THERMOCOUPLE LOCATIONS

T/C NO.	FULL SCALE		MODEL SCALE		MAT'L	SKIN THICK-NESS	REMARKS
	Y_o	Z_o	Y	Z FROM			
428	0	430	0	0.525	15-5	.032	
429	-70	430	-1.225	0.525		.031	
430	0	320	0	-1.400		.0315	
431	-110	320	-1.925	-1.400		.0305	

Table V. (CONTINUED)

Lower Left SSME Nozzle T/C Locations
(Note Material)

T/C NO.	X FROM EXIT PLANE F.S.	X FROM EXIT PLANE M. S.	ϕ_n deg	MAT'L	SKIN THICK-NESS, in.	REMARKS
408	5.0	0.088	315	15-5	.030	Smooth
409	↓	↓	0	↓	.031	Nozzle
411			45		.0315	↓
412			65		.032	
413			90		.032	
414	↓	↓	135		.0325	
415	10.0	0.175	0		.0305	
	↓	↓		↓		↓
418			65		.0315	
419	↓	↓	90		.032	
420	15.0	0.263	0		.029	
421	↓	↓	45		.0295	
422			90		.030	
423	25.0	0.438	0		.0255	
424	↓	↓	45		.026	
425			65		.026	
426	↓	↓	90	↓	.026	↓
427	45.0	0.788	45	15.5	.027	

(428 thru 431 on heat shield)

Table V. (CONTINUED)

Lower Right SSME Nozzle T/C Locations
(Note Material)

432	5.0	0.088	315	17-4	.0289	Nozzle
433	↓	↓	0	↓	.0291	W/Hat Bands
434			25		.0285	↓
435			45		.0297	
436			65		.0291	
437			90		.0292	
438	↓	↓	135		.0307	
439	10.0	0.175	0		.0299	
440	↓	↓	25		.0285	
441			45		.0292	
442	↓	↓	65	↓	.0296	↓
443			90		.0288	
444	15.42	0.270	0		.0274	
445	↓	↓	25		.0290	
446			45		.0280	
447	↓	↓	65		.0278	
448			90		.0282	
449	25.0	0.438	0		.0281	
450	↓	↓	25		.0291	
451			45		.0286	
452	↓	↓	65		.0295	
453			90	↓	.0291	↓

TABLE V. Continued

Upper Wing T/C Locations

T/C No.	2Y/B	FULL SCALE X_o	FULL SCALE Y_o	MODEL SCALE X_o	MODEL SCALE Y_o	SKIN THICKNESS, IN.	MAT'L	REMARKS
460	.500	1373.54	234.17	24.036	4.097	.0280	17-4	Wing Upper Surf.
461	.550		257.587		4.507	.0305		
462	.600		281.004		4.917	.0290		
463	.650		304.421		5.327	.0290		
464	.700		327.838		5.737	.0300		
465	.725		339.546		5.942	.0290		
466	.750		351.255		6.146	.0270		
467	.775		362.963		6.351	.0240		
468	.800		374.672		6.556	.0240		
469	.825		386.380		6.761	.0240		
470	.850		398.089		6.966	.0250		
471	.875		409.797		7.171	.0260		
472 **	.925		433.214		7.581	.0270		
277	.950		444.923		7.786	.0250		
473	.975		456.631		7.991	.0200		

* SPAN = 936.68 in full scale

** T/C 274 REF. 2Y/B = .900

T/C NO.	2Y/B	FULL SCALE X/C	FULL SCALE Y_o	MODEL SCALE $X_{FRGM\ LE}$	MODEL SCALE Y_o	Elevon T/C	SKIN THICK.	MAT'L	REMARKS
476	.700	.60	327.83	3.125	5.737		.0300	17-4	Wing Upper Surf.
477	.750	.50	351.25	2.411	6.147		.0280		
478	.800	.10	374.69	.435	6.557		.0310		
479		.30		1.305			.0320		
480		.40		1.740			.0320		
481		.50		2.171			.0320		
482		-		24.33	X_o	X	.0250		
483	.825	-	386.00	24.33	6.756	X	.0280		
484		.85		3.485		X	.0250		
485		.90		3.690		X	.0290		
486	.850	.10	397.94	.386	6.964		.0320		
487		.30		1.158			.0300		
488		.40		1.544			.0300		
489		.50		2.000			.0300		
490		-		24.33	X_o	X	.0290		
491	.900	.90	421.50	3.033	7.376	X	.0290		

TABLE V. Continued

ADDITIONAL T/C LOCATIONS

T/C NO.	MODEL SCALE X_o	Y_o	Z_o	SKIN THICKNESS	MATERIAL	LOCATION
37A	4.553	0.252	-	.032	17-4	Lower Nose (LH)
38A	4.541	0.428	5.524	.033		
39A	4.515	-	5.696	.036		
41A	5.626		6.002	.031		
45A	6.361	1.041	5.266	.028		
46A		-	5.470	.030		
47A		1.230	5.673	.031		
65A	8.610	0.388	4.893	.030		
70A	8.610	1.681	5.388	.030		
107A	13.170	0.780	4.809	.024		Lower Mid Fuselage (LH)
114A	13.207	1.782	4.977	.031		
115A	13.107	1.962	-	.024		
116A		2.142	-	.020		
117A		2.322	-	.017		
118A		2.448	-	.025		
130A	15.356	1.837	4.882	.023		
131A	-	2.046	-	.029		
132A		2.250	-	.028		
133A		2.453	-	.026		
134A		2.663	-	.023		
135A		2.816	5.226	.027		
186A	24.329	1.819	4.681	.030		Lower Aft Fuselage
187A	24.925	1.883	-	.031		
188A	25.476	1.911	-	.028		
189A	25.923	1.981	-	.025		
196A	24.015	2.128	-	.028		
197A	24.480	2.459	-	.032		Lower Elevon (LH)
320A	24.576	-	5.565	.0295		Aft Fuselage & Elevon Split Line (LH)
321A	24.913	-		.0265		
322A	25.476	-		.027		
323A	26.038	-		.029		
336A	24.576	-	4.902	.030		
337A	24.913	-		.031		
338A	25.575	-		.028		
339A	26.138	-		.026		
341A	24.576	-	4.692	.030		
342A	24.913	-	4.692	.032		
343A	25.475	-	4.722	.031		
344A	26.038	-	4.759	.031		
249A	10.859	1.988	-	.030*		Upper Wing (RH)
250A	11.983		-	.028		
251A	13.107		-	.030		
252A	14.195		-	.022		
253A	17.545	1.970	-	.026		
254A	19.941	2.049	-	.018		
255A	22.330	2.047	-	.029		
256A	14.195	2.459	-	.020		

TABLE V. Concluded

ADDITIONAL T/C LOCATIONS

T/C NO.	MODEL SCALE X_o	Y_o	Z_o	SKIN THICKNESS	MATERIAL	LOCATION
257A	15.535	2.459	4.759	.027	17-4	Upper Wing (RH)
258A	16.875		-	.020		
259A	18.215		-	.016		
260A	19.555		-	.028		
261A	20.895		-	.025		
262A	22.235		-	.030		
263A	23.576		-	.029		
279A	24.080	5.138	-	.030*		
113A	27.268	0.928	-	.030		Lower Body Flap
191A	27.268	1.819	-	.028		
314A	27.274	0	5.122	.0255		Upper Body Flap
315A	28.017	0	-	.019		
316A	27.275	0.875	5.224	.0295		
317A	28.017	0.875	-	.028		
318A	27.275	1.837	5.122	.0295		
319A	28.017	1.697	-	.0295		
192A	26.994	-	5.064	.031		Body Flap, Edge
193A	27.265	-	5.092	.0305		
194A	27.639	-	5.106	.031		
368A	26.091	0	9.303	.0305		Vertical Tail
87A	9.799	1.709	7.781	.031		Upper Mid Fuselage (LH)
88A	9.705	1.101	8.431	.026		
89A	9.717	0.672	6.654	.031		
102A	10.806	1.638	8.089	.023		
103A	10.806	0.867	8.523	.015		
122A	13.077	1.684	-	.0252		Upper Mid Fuselage (LH)
124A	13.107	1.128	-	.0308		
125A	13.077	0.868	-	.029		
126A	13.107	0.560	-	.0285		
127A	13.107	0.280	-	.0245		
139A	15.347	1.584	-	.0337		
140A	15.347	0.868	-	.0291		
404A	17.574	1.572	-	.0301		
405A	17.549	1.120	-	.0322		
406A	17.574	0.868	-	.0285		
407A		0.560	-	.0284		
408A		0.280	-	.0260		
410A	19.845	1.572	-	.0334		
155A	22.000	1.572	-	.0307		
156A	22.000	0.868	-	.0264		
157A	22.640	1.582	-	.0305		
158A		1.218	-	.0248		
159A		0.868	-	.0264		
160A		0.308	-	.0306		
36A	22.610	0.014	-	.0278		

*Normal Value; Skin Thickness Not Measured

TABLE VI. 56-Ø MODEL THERMOCOUPLE LOCATIONS

T/C No.	b, in.	X/L	Z_o
1	0.0215	0.275	437.5
2	0.0210	0.300	442.0
3	0.0217	0.325	445.0
4	0.0215	0.350	
5	0.0212	0.375	
6	0.0217	0.400	
7	0.0215	0.425	
8	0.0218	0.450	
9	0.0219	0.475	
10	0.0220	0.500	
11	0.0220	0.525	
12	0.0222	0.550	
13	0.0220	0.600	
14	0.0220	0.650	
15	0.0228	0.700	
16	0.0220	0.750	
17	0.0230	0.800	445.0
18	0.0190	0.285	420.0
19	0.0189	0.337	
20	0.0189	0.390	
21	0.0190	0.426	
22	0.0200	0.478	
23	0.0200	0.530	
24	0.0205	0.567	
25	0.0205	0.620	
26	0.0205	0.670	
27	0.0207	0.705	420.0

T/C No.	b, in.	X/L	Z_o
28	0.0203	0.750	420.0
29	0.0202	0.800	420.0
30	0.0160	0.824	420.0
31	0.0210	0.200	400.0
32	0.0199	0.225	
33	0.0199	0.250	
34	0.0186	0.275	
35	0.0180	0.300	
36	0.0190	0.325	
37	0.0192	0.350	
38	0.0190	0.375	
39	0.0189	0.400	
40	0.0188	0.425	
41	0.0195	0.450	
42	0.0200	0.475	
43	0.0200	0.500	
44	0.0190	0.525	
45	0.0200	0.550	
46	0.0205	0.600	
47	0.0210	0.650	
48	0.0202	0.700	
49	0.0205	0.750	
50	0.0208	0.800	
51	0.0180	0.850	
52	0.0180	0.875	
53	0.0160	0.900	
54	0.0170	0.925	400.0

T/C No.	b, in.	X/L	Z_o
55	0.0220	0.950	400.0
56	0.0170	0.300	372.5
57	0.0170	0.325	
58	0.0170	0.350	
59	0.0170	0.375	
60	0.0170	0.400	
61	0.0170	0.425	
62	0.0172	0.450	
63	0.0175	0.475	
64	0.0180	0.500	
65	0.0180	0.525	
66	0.0190	0.550	
67	0.0198	0.600	
68	0.0190	0.650	
69	0.0200	0.700	
70	0.0200	0.750	372.5
71	0.0195	0.200	355.0
72	0.0190	0.225	
73	0.0190	0.250	
74	0.0180	0.275	
75	0.0185	0.800	
76	0.0188	0.850	
77	0.0170	0.875	
78	0.0172	0.900	
79	0.0180	0.925	
80	0.0190	0.950	355.0

TABLE VII. 83-Ø MODEL THERMOCOUPLE LOCATIONS

T/C NO.	LOCATION	Z_o (INCHES)	X_o (INCHES)	X/ L			SKIN THICKNESS (INCHES)	
	UPPER RCS NOZZLES							
161		-7.5	315.0	0.0619			0.0265	
162		-7.5	326.7	0.0709			0.0212	
163		-7.5	339.3	0.0807			0.0275	
164		-7.5	357.0	0.0943			0.0292	
165		-7.5	361.5	0.0978			0.0282	
166		-7.5	366.0	0.1013			0.0287	
167		-15.0	315.0	0.0619			0.0303	
168		-15.0	326.7	0.0709			0.0235	
169		-15.0	339.3	0.0807			0.0272	
170		-15.0	357.0	0.0943			0.0280	
171		-15.0	361.5	0.0978			0.0270	
172		-15.0	366.0	0.1013			0.0292	
173		-22.5	339.3	0.0807			0.0299	
174		-22.5	357.0	0.0943			0.0255	
175		-22.5	361.5	0.0978			0.0321	
176		-22.5	366.0	0.1013			0.0305	

TABLE VII. Continued

T/C NO.	LOCATION	RAY	LINE	SKIN THICKNESS (INCHES)	
177	CANOPY	1	4	0.0308	
178		1	6	0.0440	
179		2	6	0.0469	
180		3	3	0.0292	
181		3	4	0.0304	
182		3	5	0.0319	
183		4	1	0.0281	
184			2	0.0306	
185			3	0.0269	
186			4	0.0281	
187			5	0.0298	
188			6	0.0592	
189		5	3	0.0319	
190		5	4	0.0322	
191		5	5	0.0342	
192		6	2	0.0316	
193		6	6	0.0431	
194		7	3	0.0289	
195		7	4	0.0276	
196		7	5	0.0294	
197		8	1	0.0222	
198			2	0.0260	
199			3	0.0301	
200			4	0.0319	

TABLE VII. Continued

T/C NO.	LOCATION	RAY	LINE	SKIN THICKNESS (INCHES)	
201	CANOPY	8	5	0.0316	
202	↓	8	6	0.0283	
203	↓	9	3	0.0278	
204	↓	9	4	0.0348	
205	↓	9	5	0.0349	
206	↓	10	2	0.0297	
207	↓	10	6	0.0300	
208	↓	11	3	0.0301	
209	↓	11	4	0.0308	
210	↓	11	5	0.0299	
211	↓	12	1	0.0272	
212	↓	↓	2	0.0302	
213	↓	↓	3	0.0297	
214	↓	↓	4	0.0314	
215	↓	↓	5	0.0318	
216	↓	↓	6	0.0318	
217	↓	↓	7	0.0319	
218	↓	13	3	0.0309	
219	↓	↓	4	0.0315	
220	↓	↓	5	0.0308	
221	↓	14	1	0.0271	
222	↓	↓	2	0.0276	
223	↓	↓	6	0.0304	

TABLE VII. CONTINUED

T/C NO.	LOCATION	X_o (INCHES)	Y_o (INCHES)	X/L	SKIN THICKNESS (INCHES)
	ESCAPE HATCH & WINDOW				
224		485.0	-7.6	0.1933	0.0233
225		490.0	-7.6	0.1972	0.0268
226		485.0	-18.0	0.1933	0.0236
227		490.0	-18.0	0.1972	0.0328
228		485.0	-30.6	0.1933	0.0288
229		490.0	-30.6	0.1972	0.0288
230		547.9	-10.8	0.2425	0.0314
231		560.0	-10.6	0.2519	0.0324
232		567.0	-11.0	0.2567	0.0303
233		572.0	-11.0	0.2606	0.0340
234		547.5	-23.0	0.2416	0.0305
235		559.5	-23.0	0.2509	0.0305
236		567.0	-23.0	0.2567	0.0328
237		572.0	-23.0	0.2606	0.0315

TABLE VII. Continued

T/C No.	Z_o	X_o	X/L	Skin Thickness
		BOTTOM CENTERLINE		
273		236.25	0.0010	0.0269
274		237.37	0.0018	0.0272
275		240.25	0.0041	0.0277
276		244.00	0.0070	0.0280
277		248.28	0.0103	0.0279
278		254.40	0.0150	0.0283
279		260.75	0.0199	0.0232
280		265.00	0.0232	0.0210
281		269.00	0.0263	0.0190
282		273.63	0.0299	0.0230
283		278.75	0.0338	0.0231
284		284.25	0.0381	0.0230
285		288.50	0.0414	0.0230
286		293.5	0.0452	0.0240
287		300.00	0.0503	0.0230
288		364.330	0.100	0.0280
289		428.995	0.150	0.0300
290		493.660	0.200	0.0260
291		558.325	0.250	0.0273
292		622.990	0.300	0.0275
293		687.655	0.350	0.0261
294		752.320	0.400	0.0276
295		816.985	0.450	0.0292
		MHB LINE		
296		267.333	0.025	0.0292
297		299.665	0.050	0.0268
298		331.998	0.075	0.0270
299		364.330	0.100	0.0278
300		396.663	0.125	0.0252
301		428.995	0.150	0.0280
302		461.3275	0.175	0.0306
303		493.660	0.200	0.0280
304		525.993	0.225	0.0205
305		558.325	0.250	0.0283
306		590.658	0.275	0.0340
307		655.323	0.325	0.0245
308		719.988	0.375	0.0290
309		784.318	0.425	0.0298
310		849.318	0.475	0.0272
311	355.0	493.66	0.200	0.0230
312	↑	525.993	0.225	0.0250
313	↕	558.325	0.250	0.0296
314	↕	590.658	0.275	0.0279
315	↕	622.990	0.300	0.0308
316	↕	655.323	0.325	0.0279
317	↕	687.655	0.350	0.0311
318	↕	719.988	0.375	0.0302
319	↕	752.320	0.400	0.0278
320	↕	784.653	0.425	0.0285
321	↓	816.985	0.450	0.0276
322	355.0	849.318	0.475	0.0260
323	378.0	493.660	0.200	0.0259
324		525.993	0.225	0.0268
325	↑	558.325	0.250	0.0279
326	↕	590.658	0.275	0.0261
327	↕	622.990	0.300	0.0286
328	↕	655.323	0.325	0.0249
329	↕	687.655	0.350	0.0306
330	↕	719.988	0.375	0.0282
331	↕	752.320	0.400	0.0269
332	↓	784.653	0.425	0.0276
333	378.0	816.985	0.450	0.0273
334	400.0	525.993	0.225	0.0255
335	↑	558.325	0.250	0.0289
336	↕	590.658	0.275	0.0262
337	↕	622.990	0.300	0.0308
338	↕	655.323	0.325	0.0269
339	↓	687.655	0.350	0.0302

TABLE VII. Continued

T/C No.	Z_o	X_o	X/L	Skin Thickness
	MHB LINE (CONT'D)			
340	400.0	719.988	0.375	0.0300
341	↕	752.320	0.400	0.0279
342	↕	784.653	0.425	0.0270
343	400.0	816.985	0.450	0.0276
344	425.0	655.335	0.325	0.031
345	↕	687.655	0.350	0.030
346	↕	719.988	0.375	0.030
347	↕	752.320	0.400	0.030
348	↕	784.653	0.425	0.032
349	↕	816.985	0.450	0.031
350	425.0	850.600	0.4760	0.033
	CCL LINE			
351		299.665	0.050	0.0271
352		331.998	0.075	0.0269
353		364.330	0.100	0.0263
354		396.663	0.125	0.0268
355		428.995	0.150	0.0273
356		461.328	0.175	0.0311
357		493.660	0.200	0.0262
358		590.658	0.275	0.032
359		622.990	0.300	0.0310
360		655.323	0.325	0.030
361		687.655	0.350	0.0305
362		719.988	0.375	0.030
363		752.320	0.400	0.032
364		784.653	0.425	0.032
365		816.985	0.450	0.032
366		850.600	0.4760	0.0315
	TOP CENTERLINE			
367		235.000	0.000	0.0263
368		236.000	0.0008	0.0284
369		237.500	0.0019	0.0262
370		239.750	0.0037	0.0273
371		242.500	0.0058	0.0219
372		246.250	0.0087	0.0268
373		250.250	0.0118	0.0293

T/C No.	Z_o	X_o	X/L	Skin Thickness
	TOP CENTERLINE (CONT'D)			
374		254.50	0.0151	0.0293
375		258.50	0.0182	0.0306
376		262.75	0.0215	0.0295
377		266.75	0.0246	0.0288
378		271.00	0.0278	0.0261
379		313.75	0.0609	0.0275
380		318.50	0.0646	0.023
381		323.50	0.0684	0.029
382		328.25	0.0721	0.0293
383		333.25	0.0760	0.030
384		338.00	0.0796	0.0312
385		358.00	0.0953	0.0288
386		362.60	0.0989	0.0265
387		366.75	0.1019	0.0275
388		385.00	0.1160	0.0213
389		389.50	0.1195	0.0325
390		394.25	0.1231	0.0353
391		399.00	0.1268	0.0357
392		403.75	0.1305	0.0384
393		408.00	0.1338	0.0379
394		413.00	0.1376	0.0376
395		417.50	0.1411	0.0335
396		422.25	0.1448	0.0332
397		426.75	0.1483	0.0332
398		431.50	0.1519	0.0315
399		436.25	0.1556	0.0299
400		439.63	0.1582	0.0302
401		443.00	0.1608	0.0290
402		446.50	0.1635	0.0279
403		450.25	0.1664	0.0272
404		453.75	0.1691	0.0271
405		457.50	0.1720	0.0271
406		461.00	0.1748	0.0271
407		463.75	0.1769	0.0289
408		466.75	0.1800	0.0328
409		471.75	0.1831	0.0322
410		476.00	0.1863	0.0322
411		480.00	0.1894	0.0336
412		474.75	0.1931	0.0312

TABLE VII Continued

T/C NO.	LOCATION	Z_o (INCHES)	X_o (INCHES)	X/L		θ (DEGREES)	SKIN THICKNESS (INCHES)	
413	TOP CENTERLINE		490.00	0.1972			0.0300	
414			500.00	0.2049			0.0300	
415			525.993	0.2250			0.0221	
416			558.325	0.250			0.0262	
417			590.658	.275			0.0330	
418			622.990	.300			0.0350	
419			655.323	.325			0.0330	
420			687.655	.350			0.0322	
421			719.988	.375			0.0329	
422			752.320	.400			0.0328	
423			784.652	.425			0.0316	
424			816.985	.450			0.0335	
425			849.318	.475			0.034	
426	PILOT RIGHT (Cross		270	.027		350	0.0206	
427	Section)					343	0.0219	
428						335	0.0239	
429						324	0.0259	
430						320	0.0279	
431						310	0.0285	
432						303	0.0288	
433						295	0.0288	
434						287.5	0.0292	
435						280	0,0293	
436						273	0.0295	
437			300	.050		352.5	0.025	
438						347	0.0258	
439						339	0.0249	
440						334	0.024	

TABLE VII. Continued

T/C NO.	LOCATION	Z_o (INCHES)	X_o (INCHES)	X/L		θ (DEGREES)	SKIN THICKNESS (INCHES)	
441	PILOT RIGHT (Cross		300	.050		327.5	0.024	
442	Section)		↓	↓		321.5	0.028	
443	↓					318	0.0283	
444						311	0.0270	
445						306	0.026	
446						300	0.0245	
447						295	0.0225	
448						289	0.0278	
449						284	0.0258	
450			↓	↓		274	0.0190	
451			500	.2049		355	0.025	
452			↓	↓		351	0.023	
453						346	0.023	
454						342	0.023	
455						338	0.023	
456						333	0.023	
457						330	0.023	
458						326	0.024	
459						322	0.026	
460						320	0.026	
461						317	0.027	
462						313.5	0.027	
463						310.5	0.026	
464						307	0.025	
465						305	0.0263	
466						303	0.027	
467						300.5	0.0265	
468	↓		↓	↓		298	0.025	

TABLE VII. Concluded

T/C NO.	LOCATION	Z_o (INCHES)	X_o (INCHES)	X/L		θ (DEGREES)	SKIN THICKNESS (INCHES)	
469	PILOT RIGHT (Cross		500	.2049		295	0.028	
470	Section)					292	0.023	
471						290	0.023	
472						287	0.021	
473						284	0.0275	
474						278	0.023	
475						275.5	0.023	
476						273	0.024	
477						270	0.0253	
501			260.75	.0200		348.5	0.022	
502						338.2	0.021	
503						328.7	0.025	
504						320.5	0.028	
505						312.3	0.027	
506						303.5	0.025	
507						296.5	0.021	
508						287	0.019	
509						278.6	0.023	
510						270.0	0.023	
511						262	0.026	

TABLE VIII. **THERMOCOUPLE CONSTANT SETS**

CONSTANT SET 111
MODEL: 60-Ø, OH-84B

Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2
1	340	X/C	Z/BV	34	373	X/C	Z/BV	67	320	X_o	Y_o
2	341	↓	↓	35	374	↓	↓	68	321	↓	↓
3	342			36	375			69	322		
4	343			37	376			70	323		
5	344			38	377			71	325		
6	345			39	378			72	327		
7	346			40	379			73	328		
8	347			41	380			74	329		
9	348			42	381			75	330		↓
10	349			43	382			76	331		Y_o
11	350			44	383			77	332		Z_o
12	351			45	384	↓	↓	78	333		
13	352			46	385	X/C	Z/BV	79	334		↓
14	353			47	298	X_o	Y_o	80	335		Z_o
15	354			48	299	↓	↓	81	336		Y_o
16	355			49	300			82	337		Z_o
17	356			50	301			83	338	↓	↓
18	357			51	302			84	339	X_o	↓
19	358			52	303			85	368A	X/L	Z_o
20	359			53	304			86	397C	-	-
21	360			54	305			87	398C	-	-
22	361			55	306			88	399C	-	-
23	362			56	308			89	400C	-	-
24	363			57	309			90	110C	X/C	Y_o
25	364			58	310			91	111C	↓	↓
26	365			59	311			92	112C		
27	366			60	312			93	113C		
28	367			61	313			94	114C		
29	368			62	315			95	115C		
30	369			63	316			96	116C	↓	↓
31	370			64	317			97	117C	X/C	Y_o
32	371	↓	↓	65	318	↓	↓				
33	372	X/C	Z/BV	66	319	X_o	Y_o				

TABLE VIII. (Continued)
CONSTANT SET 122
MODEL: 60-Ø, OH-84B

Ch No	TC No.	COORD1	COORD2	Ch No	TC No.	COORD1	COORD2	Ch No	TC No.	COORD1	COORD2
1	1	X/L	Φ	34	182	X/L	Φ	67	88A	X/L	Y
2	2			35	223			68	89A		
3	3			36	234			69	103A		
4	4	X/L	Φ	37	388			70	102A		
5	120	X/C	Y	38	184			71	127A		
6	121			39	225			72	126A		
7	122			40	236			73	125A		
8	123			41	390			74	124A		
9	253			42	186			75	122A		
10	254			43	188			76	140A		
11	255			44	229			77	139A		
12	256			45	240			78	408A		
13	257			46	394			79	407A		
14	258			47	190			80	406A		
15	259			48	231			81	405A		
16	260			49	242		Φ	82	404A		
17	261	X/C	Y	50	279A		Y	83	410A		
18	460	2Y/B	X_o	51	249A			84	156A		
19	461			52	250A			85	155A		
20	462			53	251A			86	36A		
21	463			54	252A			87	160A		
22	464			55	253A			88	159A		
23	465			56	254A			89	158A		
24	466			57	255A			90	157A		Y
25	467			58	256A			91	320A		Z
26	468			59	257A			92	321A		
27	469			60	258A			93	322A		
28	470			61	259A			94	323A	X/L	Z
29	471			62	260A			95	118C	X/C	Y
30	274			63	261A			96	119C	X/C	Y
31	472			64	262A			97	288C	X/L	Z
32	277			65	263A						
33	473	2Y/B	X_o	66	87A	X/L	Y				

TABLE VIII. (Continued)

CONSTANT SET 133
MODEL: 60-Ø, OH-84B

Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2
1	5	X/L	Φ	34	218	X/L	Z	67	70A	X/L	Y
2	6	↓	Φ	35	219	↓	Z	68	107A	↓	↓
3	7	↓	Φ	36	23	↓	Φ	69	114A	↓	↓
4	44	↓	Y	37	24	↓	↓	70	115A	↓	↓
5	202	↓	Z	38	25	↓	↓	71	116A	↓	↓
6	203	↓	↓	39	26	X/L	Φ	72	117A	↓	↓
7	204	↓	↓	40	191	Y	Z	73	118A	↓	↓
8	205	↓	Z	41	192	↓	↓	74	130A	↓	↓
9	8	↓	Φ	42	193	↓	↓	75	131A	↓	↓
10	206	↓	Z	43	194	↓	↓	76	132A	↓	↓
11	9	↓	Φ	44	195	↓	↓	77	133A	↓	↓
12	10	↓	↓	45	196	↓	↓	78	134A	↓	↓
13	11	↓	↓	46	197	↓	↓	79	135A	↓	Y
14	12	↓	Φ	47	198	↓	↓	80	220C	↓	Z
15	45	↓	Y	48	199	↓	↓	81	27C	↓	Φ
16	207	↓	Y	49	200	↓	↓	82	28C	↓	Φ
17	208	↓	Y	50	201	Y	Z	83	50C	↓	Y
18	209	↓	Z	51	164	X/C	Y	84	62C	↓	Y
19	13	↓	Φ	52	165	↓	↓	85	29C	↓	Φ
20	14	↓	↓	53	166	↓	↓	86	30C	↓	Φ
21	15	↓	↓	54	167	↓	↓	87	51C	↓	Y
22	16	↓	Φ	55	168	X/C	Y	88	63C	↓	Y
23	211	↓	Y	56	18	X/L	Φ	89	31C	↓	Φ
24	212	↓	↓	57	278	X/C	Y	90	32C	↓	Φ
25	213	↓	↓	58	279	X/C	↓	91	52C	↓	Y
26	214	↓	Y	59	280	X/C	↓	92	64C	↓	Y
27	21	↓	Φ	60	37A	X/L	↓	93	33C	↓	Φ
28	17	↓	Φ	61	38A	↓	Y	94	34C	↓	Φ
29	48	↓	Y	62	39A	↓	Z	95	53C	↓	Y
30	19	↓	Φ	63	45A	↓	Y	96	65C	↓	Y
31	215	↓	Y	64	46A	↓	Z	97	35C	X/L	Φ
32	216	↓	Y	65	47A	↓	Y				
33	217	X/L	Y	66	65A	X/L	Y				

TABLE VIII. (Continued)

CONSTANT SET 211
MODEL: 60-Ø OH84B

Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2
1	432	XN	Φ_N	34	60	X/L	Y_o	67	188A	X/L	Y_o
2	433	↓	↓	35	69	↓	↓	68	189A	↓	Y_o
3	434			36	70			69	196A		Y_o
4	435			37	71	↓		70	320A		Z_o
5	436			38	72	X/L		71	321A		
6	437			39	164	X/C		72	322A		↓
7	438			40	165	↓		73	323A		
8	439			41	166			74	336A		
9	440			42	167			75	337A		
10	441			43	168			76	338A		
11	442			44	156			77	339A		
12	443			45	158			78	341A		
13	444			46	159			79	342A		
14	445			47	146			80	343A		↓
15	446			48	147			81	344A		Z_o
16	447			49	148			82	34C		Φ
17	448			50	138			83	35C		↓
18	449			51	139			84	36C		
19	450			52	140	↓		85	37C		
20	451			53	142	X/C		86	38C		↓
21	452	↓	↓	54	314A	X/L		87	39C		Φ
22	453	XN	Φ_N	55	315A	↓		88	54C		Y_o
23	428	Y_o	Z_o	56	316A			89	55C		↓
24	429	↓	↓	57	317A			90	56C		
25	430	↓	↓	58	318A			91	66C		
26	431	Y_o	Z_o	59	319A			92	67C		↓
27	40	X/L	Φ	60	113A		↓	93	68C	↓	Y_o
28	41	↓	↓	61	191A		Y_o	94	288C	X/L	Z_o
29	42		↓	62	192A		Z_o	95	155C	X/C	Y_o
30	43		Φ	63	193A		Z_o	96	157C	X/C	Y_o
31	57		Y_o	64	194A		Z_o	97	141C	X/C	Y_o
32	58	↓	Y_o	65	186A	↓	Y_o				
33	59	X/L	Y_o	66	187A	X/L	Y_o				

TABLE VIII. (Continued)

CONSTANT SET 222
MODEL: 60-Ø, OH-84B

Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2
1	143	X/C	Y_o	34	464	2Y/B	X_o	67	491	2Y/B	X/C
2	144	↓	↓	35	264	X/C	Y_o	68	472	2Y/B	X_o
3	131	↓	↓	36	465	2Y/B	X_o	69	275	X/C	Y_o
4	132	↓	↓	37	265	X/C	Y_o	70	276	X/C	Y_o
5	120	↓	↓	38	266	X/C	Y_o	71	277	2Y/B	X_o
6	121	↓	↓	39	267	X/C	Y_o	72	278	X/C	Y_o
7	122	↓	↓	40	477	2Y/B	X_o	73	279	X/C	Y_o
8	123	↓	↓	41	268	X/C	Y_o	74	280	X/C	Y_o
9	107	↓	↓	42	466	2Y/B	X_o	75	473	2Y/B	X_o
10	95	↓	↓	43	269	X/C	Y_o	76	253	X/C	Y_o
11	96	↓	↓	44	270	X/C	Y_o	77	254	X/C	↓
12	97	↓	↓	45	467	2Y/B	X_o	78	255	X/C	↓
13	83	↓	↓	46	478	↓	X/C	79	197A	X/L	↓
14	84	↓	↓	47	479	↓	↓	80	279A	X/L	↓
15	247	↓	↓	48	480	↓	↓	81	130C	X/C	↓
16	248	↓	↓	49	481	↓	X/C	82	116C	↓	↓
17	249	↓	↓	50	468	↓	X_o	83	117C	↓	↓
18	250	↓	↓	51	482	2Y/B	X	84	118C	↓	↓
19	251	↓	↓	52	271	X/C	Y_o	85	119C	↓	↓
20	252	X/C	Y_o	53	469	2Y/B	X_o	86	104C	↓	↓
21	460	2Y/B	X_o	54	483	↓	X	87	105C	↓	↓
22	461	2Y/B	X_o	55	484	↓	X/C	88	106C	↓	↓
23	256	X/C	Y_o	56	485	↓	↓	89	92C	↓	↓
24	257	↓	↓	57	486	↓	↓	90	93C	↓	↓
25	258	↓	↓	58	487	↓	↓	91	94C	↓	↓
26	259	X/C	Y_o	59	488	↓	↓	92	78C	↓	↓
27	462	2Y/B	X_o	60	489	↓	X/C	93	79C	↓	↓
28	260	X/C	Y_o	61	470	↓	X_o	94	80C	↓	↓
29	261	X/C	Y_o	62	490	↓	X	95	81C	↓	↓
30	463	2Y/B	X_o	63	471	2Y/B	X_o	96	82C	X/C	Y_o
31	262	X/C	Y_o	64	272	X/C	Y_o	97			
32	263	X/C	Y_o	65	273	X/C	Y_o				
33	476	2Y/B	X/C	66	274	2Y/B	X_o				

TABLE VIII. (Continued)

CONSTANT SET 311
MODEL: 56-Ø, IH-102

Ch No	TC No.	COORD1	COORD2	Ch No	TC No.	COORD1	COORD2	Ch No	TC No.	COORD1	COORD2
1	1	X/L	Z	34	34	X/L	Z	67	67	X/L	Z
2	2	↓	↓	35	35	↓	↓	68	68	↓	↓
3	3			36	36			69	69		
4	4			37	37			70	70		
5	5			38	38			71	71		
6	6			39	39			72	72		
7	7			40	40			73	73		
8	8			41	41			74	74		
9	9			42	42			75	75		
10	10			43	43			76	76		
11	11			44	44			77	77		
12	12			45	45			78	78		
13	13			46	46			79	79	↓	↓
14	14			47	47			80	80	X/L	Z
15	15			48	48			81			
16	16			49	49			82			
17	17			50	50			83			
18	18			51	51			84			
19	19			52	52			85			
20	20			53	53			86			
21	21			54	54			87			
22	22			55	55			88			
23	23			56	56			89			
24	24			57	57			90			
25	25			58	58			91			
26	26			59	59			92			
27	27			60	60			93			
28	28			61	61			94			
29	29			62	62			95			
30	30			63	63			96			
31	31			64	64			97			
32	32	↓	↓	65	65	↓	↓				
33	33	X/L	Z	66	66	X/L	Z				

TABLE VIII. (Continued)

CONSTANT SET 411
MODEL: 83-Ø, IH-102

Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2
1	273	X/L	Φ	34	307	X/L	Z	67	345	X/L	Z
2	274	↓	↓	35	308	↓	↓	68	346	↓	↓
3	275			36	309			69	347		
4	276			37	311			70	348		
5	277			38	312			71	351		
6	278			39	313			72	352		
7	279			40	314			73	353		
8	280			41	315			74	354		
9	281			42	316			75	355		
10	282			43	317			76	356		
11	283			44	318			77	357		
12	284			45	319			78	358		
13	285			46	320			79	359		
14	286			47	323			80	360		
15	287			48	324			81	361		
16	288			49	325			82	362		
17	289			50	326			83	363		↓
18	290			51	327			84	364		Z
19	291			52	328			85	427		Φ
20	292			53	329			86	428		↓
21	293		↓	54	330			87	429		
22	294		Φ	55	331			88	430		
23	296		Z	56	332			89	431		
24	297		↓	57	334			90	432		
25	298			58	335			91	433		
26	299			59	336			92	434		
27	300			60	337			93	435		
28	301			61	338			94	436		
29	302			62	339			95	437	↓	↓
30	303			63	340			96	438	X/L	Φ
31	304			64	341			97			
32	305	↓	↓	65	342	↓	↓				
33	306	X/L	Z	66	344	X/L	Z				

TABLE VIII. (Continued)

CONSTANT SET 422
MODEL: 83-Ø, IH-102

Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2
1	439	X/L	Φ	34	472	X/L	Φ	67	394	X/L	Φ
2	440			35	473			68	395		
3	441			36	474			69	396		
4	442			37	475			70	397		
5	443			38	476			71	398		
6	444			39	477			72	399		
7	445			40	367			73	400		
8	446			41	368			74	401		
9	447			42	369			75	402		
10	448			43	370			76	403		
11	449			44	371			77	404		
12	450			45	372			78	405		
13	451			46	373			79	406		
14	452			47	374			80	407		
15	453			48	375			81	408		
16	454			49	376			82	409		
17	455			50	377			83	410		
18	456			51	378			84	411		
19	457			52	379			85	412		
20	458			53	380			86	413		
21	459			54	381			87	414		
22	460			55	382			88	415		
23	461			56	383			89	416		
24	462			57	384			90	417		
25	463			58	385			91	418		
26	464			59	386			92	419		
27	465			60	387			93	420		
28	466			61	388			94	421		
29	467			62	389			95	422		
30	468			63	390			96	423	X/L	Φ
31	469			64	391			97			
32	470			65	392						
33	471	X/L	Φ	66	393	X/L	Φ				

TABLE VIII. (Continued)

CONSTANT SET 511
MODEL: 60-Ø, IH-102

Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2
1	340	X/C	Z/BV	34	373	X/C	Z/BV	67	320	X_o	Y_o
2	341	↓	↓	35	374	↓	↓	68	321	↓	↓
3	342			36	375			69	322		
4	343			37	376			70	323		
5	344			38	377			71	325		
6	345			39	378			72	327		
7	346			40	379			73	328		
8	347			41	380			74	329		
9	348			42	381			75	330		↓
10	349			43	382			76	331		Y_o
11	350			44	383			77	332		Z_o
12	351			45	384	↓	↓	78	333		Z_o
13	352			46	385	X/C	Z/BV	79	334		Z_o
14	353			47	298	X_o	Y_o	80	336		Y_o
15	354			48	299			81	337		Z_o
16	355			49	300			82	338	↓	Z_o
17	356			50	301			83	339	X_o	Z_o
18	357			51	302			84	249A	X/L	Y_o
19	358			52	303			85	250A		
20	359			53	304			86	251A		
21	360			54	305			87	252A		
22	361			55	306			88	253A		
23	362			56	308			89	254A		
24	363			57	309			90	255A		
25	364			58	310			91	256A		
26	365			59	311			92	257A		
27	366			60	312			93	258A		
28	367			61	313			94	259A		↓
29	368			62	315			95	260A	↓	Y_o
30	369			63	316			96	368A	X/L	Z_o
31	370			64	317			97			
32	371	↓	↓	65	318	↓	↓				
33	372	X/C	Z/BV	66	319	X_o	Y_o				

TABLE VIII. (Continued)

CONSTANT SET 522
MODEL: 60-Ø, IH-102

Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2
1	4	X/L	Φ	34	268	X/C	Y_o	67	280	X/C	Y_o
2	7	X/L	Φ	35	466	2Y/B	X_o	68	473	2Y/B	X_o
3	227	X/L	Φ	36	269	X/C	Y_o	69	169	X/L	Φ
4	246	X/C	Y	37	270	X/C	Y_o	70	170		
5	247			38	467	2Y/B	X_o	71	171		
6	248			39	478		X/C	72	172		
7	249			40	479			73	173		
8	250			41	480			74	174		
9	251			42	481		X/C	75	175		
10	252	X/C	Y	43	468		X_o	76	176		
11	460	2Y/B	X_o	44	482	2Y/B	X/C	77	177		
12	461	2Y/B	X_o	45	271	X/C	Y_o	78	178		
13	253	X/C	Y_o	46	469	2Y/B	X_o	79	179		
14	254			47	483		X/C	80	182		
15	255			48	484			81	183		
16	256			49	485			82	184		
17	257			50	486			83	185		
18	258			51	487			84	186		
19	259	X/C	Y_o	52	488			85	187		
20	462	2Y/B	X_o	53	489		X/C	86	188		
21	260	X/C	Y_o	54	470		X_o	87	189		
22	261	X/C	Y_o	55	490		X_o	88	190		Φ
23	463	2Y/B	X_o	56	471	2Y/B	X_o	89	87A		Y_o
24	262	X/C	Y_o	57	272	X/C	Y_o	90	88A		
25	263	X/C	Y_o	58	273	X/C	Y_o	91	89A		
26	476	2Y/B	X/C	59	274	X/C	Y_o	92	103A		
27	464	2Y/B	X/C	60	491	2Y/B	X/C	93	102A		
28	264	X/C	Y_o	61	472	2Y/B	X_o	94	261A		
29	465	2Y/B	X/C	62	275	X/C	Y_o	95	262A		
30	265	X/C	Y_o	63	276			96	263A	X/L	Y_o
31	266	X/C	Y_o	64	277			97			
32	267	X/C	Y_o	65	278						
33	477	2Y/B	X/C	66	279	X/C	Y_o				

TABLE VIII. (Continued)

CONSTANT SET 533

MODEL: 60-Ø, IH-102

Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2
1	223	X/L	Φ	34	198	Y_o	Z_o	67	404A	X/L	Y_o
2	234	↓	Φ	35	199	↓	↓	68	410A	↓	↓
3	388		Z_o	36	200			69	156A		
4	224		Φ	37	201	Y_o		70	155A		
5	235		Φ	38	202	X/L		71	36A		
6	389		Z_o	39	203	↓		72	160A		
7	225		Φ	40	204			73	159A		
8	236		Φ	41	205		↓	74	158A		↓
9	390		Z_o	42	206		Z_o	75	157A		Y_o
10	226		Φ	43	207		Y_o	76	320A		Z_o
11	237		Φ	44	208		Y_o	77	321A		↓
12	391		Z_o	45	209		Z_o	78	322A		
13	238		Φ	46	210		Z_o	79	323A		
14	392		Z_o	47	211		Y_o	80	336A		
15	228		Φ	48	212		↓	81	337A		
16	239		Φ	49	213			82	338A		
17	393		Z_o	50	214			83	339A		
18	229		Φ	51	215			84	341A		
19	240		Φ	52	216		↓	85	342A		
20	394		Z_o	53	217		Y_o	86	343A		↓
21	230		Φ	54	218		Z_o	87	344A		Z_o
22	241		Φ	55	219		Z_o	88	37A		Y_o
23	395		Z_o	56	127A		Y_o	89	38A		Y_o
24	231		Φ	57	126A		↓	90	39A		Z_o
25	242	↓	Φ	58	125A			91	45A		Y_o
26	396	X/L	Z_o	59	124A			92	46A		Z_o
27	191	Y_o	Z_o	60	122A			93	47A		Y_o
28	192	↓	↓	61	140A			94	70A		Y_o
29	193			62	139A			95	220C	↓	Z_o
30	194			63	408A			96	288C	X/L	Z_o
31	195			64	407A			97			
32	196	↓	↓	65	406A	↓	↓				
33	197	Y_o	Z_o	66	405A	X/L	Y_o				

TABLE VIII. (Continued)

CONSTANT SET 711
MODEL: 60-Ø, OH-105

Ch No	TC No.	COORD1	COORD2	Ch No	TC No.	COORD1	COORD2	Ch No	TC No.	COORD1	COORD2
1	340	X/C	Z/BV	34	373	X/C	Z/BV	67	320	X_o	Y_o
2	341	↓	↓	35	374	↓	↓	68	321	↓	↓
3	342	↓	↓	36	375	↓	↓	69	322	↓	↓
4	343	↓	↓	37	376	↓	↓	70	323	↓	↓
5	344	↓	↓	38	377	↓	↓	71	325	↓	↓
6	345	↓	↓	39	378	↓	↓	72	327	↓	↓
7	346	↓	↓	40	379	↓	↓	73	328	↓	↓
8	347	↓	↓	41	380	↓	↓	74	329	↓	↓
9	348	↓	↓	42	381	↓	↓	75	330	↓	↓
10	349	↓	↓	43	382	↓	↓	76	331	↓	Y_o
11	350	↓	↓	44	383	↓	↓	77	332	↓	Z_o
12	351	↓	↓	45	384	↓	↓	78	333	↓	↓
13	352	↓	↓	46	385	X/C	Z/BV	79	334	↓	↓
14	353	↓	↓	47	298	X_o	Y_o	80	335	↓	Z_o
15	354	↓	↓	48	299	↓	↓	81	336	↓	Y_o
16	355	↓	↓	49	300	↓	↓	82	337	↓	Z_o
17	356	↓	↓	50	301	↓	↓	83	338	↓	↓
18	357	↓	↓	51	302	↓	↓	84	339	X_o	↓
19	358	↓	↓	52	303	↓	↓	85	368A	X/L	Z_o
20	359	↓	↓	53	304	↓	↓	86	397C	-	-
21	360	↓	↓	54	305	↓	↓	87	398C	-	-
22	361	↓	↓	55	306	↓	↓	88	399C	-	-
23	362	↓	↓	56	308	↓	↓	89	400C	-	-
24	363	↓	↓	57	309	↓	↓	90	110C	X/C	Y_o
25	364	↓	↓	58	310	↓	↓	91	111C	↓	↓
26	365	↓	↓	59	311	↓	↓	92	112C	↓	↓
27	366	↓	↓	60	312	↓	↓	93	113C	↓	↓
28	367	↓	↓	61	313	↓	↓	94	114C	↓	↓
29	368	↓	↓	62	315	↓	↓	95	115C	↓	↓
30	369	↓	↓	63	316	↓	↓	96	116C	↓	↓
31	370	↓	↓	64	317	↓	↓	97	117C	X/C	Y_o
32	371	↓	↓	65	318	↓	↓				
33	372	X/C	Z/BV	66	319	X_o	Y_o				

TABLE VIII. (Continued)

CONSTANT SET 722
MODEL: 60-0, OH-105

Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2
1	1	X/L	Φ	34	182	X/L	Φ	67	88A	X/L	Y
2	2	↓	↓	35	223	↓	↓	68	89A	↓	↓
3	3	↓	↓	36	234	↓	↓	69	103A	↓	↓
4	4	X/L	Φ	37	388	↓	↓	70	102A	↓	↓
5	120	X/C	Y	38	184	↓	↓	71	127A	↓	↓
6	121	↓	↓	39	225	↓	↓	72	126A	↓	↓
7	122	↓	↓	40	236	↓	↓	73	125A	↓	↓
8	123	↓	↓	41	390	↓	↓	74	124A	↓	↓
9	253	↓	↓	42	186	↓	↓	75	122A	↓	↓
10	254	↓	↓	43	188	↓	↓	76	140A	↓	↓
11	255	↓	↓	44	229	↓	↓	77	139A	↓	↓
12	256	↓	↓	45	240	↓	↓	78	408A	↓	↓
13	257	↓	↓	46	394	↓	↓	79	407A	↓	↓
14	258	↓	↓	47	190	↓	↓	80	406A	↓	↓
15	259	↓	↓	48	231	↓	↓	81	405A	↓	↓
16	260	↓	↓	49	242	↓	Φ	82	404A	↓	↓
17	261	X/C	Y	50	279A	↓	Y	83	410A	↓	↓
18	460	2Y/B	X_o	51	249A	↓	↓	84	156A	↓	↓
19	461	↓	↓	52	250A	↓	↓	85	155A	↓	↓
20	462	↓	↓	53	251A	↓	↓	86	36A	↓	↓
21	463	↓	↓	54	252A	↓	↓	87	160A	↓	↓
22	464	↓	↓	55	253A	↓	↓	88	159A	↓	↓
23	465	↓	↓	56	254A	↓	↓	89	158A	↓	↓
24	466	↓	↓	57	255A	↓	↓	90	157A	↓	Y
25	467	↓	↓	58	256A	↓	↓	91	320A	↓	Z
26	468	↓	↓	59	257A	↓	↓	92	321A	↓	↓
27	469	↓	↓	60	258A	↓	↓	93	322A	↓	↓
28	470	↓	↓	61	259A	↓	↓	94	323A	X/L	Z
29	471	↓	↓	62	260A	↓	↓	95	118C	X/C	Y
30	274	↓	↓	63	261A	↓	↓	96	119C	X/C	Y
31	472	↓	↓	64	262A	↓	↓	97	288C	X/L	Z
32	277	↓	↓	65	263A	↓	↓				
33	473	2Y/B	X_o	66	87A	X/L	Y				

TABLE VIII. (Continued)

CONSTANT SET 733

MODEL: 60-Ø, OH-105

Ch No	TC No.	COORD1	COORD2	Ch No	TC No.	COORD1	COORD2	Ch No	TC No.	COORD1	COORD2
1	5	X/L	Φ	34	218	X/L	Z	67	70A	X/L	Y
2	6		Φ	35	219		Z	68	107A		
3	7		Φ	36	23		Φ	69	114A		
4	44		Y	37	24			70	115A		
5	202		Z	38	25			71	116A		
6	203			39	26	X/L	Φ	72	117A		
7	204			40	191	Y	Z	73	118A		
8	205		Z	41	192			74	130A		
9	8		Φ	42	193			75	131A		
10	206		Z	43	194			76	132A		
11	9		Φ	44	195			77	133A		
12	10			45	196			78	134A		
13	11			46	197			79	135A		Y
14	12		Φ	47	198			80	220C		Z
15	45		Y	48	199			81	27C		Φ
16	207		Y	49	200			82	28C		Φ
17	208		Y	50	201	Y	Z	83	50C		Y
18	209		Z	51	164	X/C	Y	84	62C		Y
19	13		Φ	52	165			85	29C		Φ
20	14			53	166			86	30C		Φ
21	15			54	167			87	51C		Y
22	16		Φ	55	168	X/C	Y	88	63C		Y
23	211		Y	56	18	X/L	Φ	89	31C		Φ
24	212			57	278	X/C	Y	90	32C		Φ
25	213			58	279	X/C		91	52C		Y
26	214		Y	59	280	X/C		92	64C		Y
27	21		Φ	60	37A	X/L		93	33C		Φ
28	17		Φ	61	38A		Y	94	34C		Φ
29	48		Y	62	39A		Z	95	53C		Y
30	19		Φ	63	45A		Y	96	65C		Y
31	215		Y	64	46A		Z	97	35C	X/L	Φ
32	216		Y	65	47A		Y				
33	217	X/L	Y	66	65A	X/L	Y				

TABLE VIII. (Continued)

CONSTANT SET 811
MODEL: 60-Ø, OH-105

Ch No.	TC No.	COORD1	COORD2
1	276	X/C	Y_o
2	40	X/L	ϕ
3	41		
4	42		
5	43		ϕ_o
6	57		Y_o
7	58		
8	59		
9	60		
10	69		
11	70		
12	71		
13	72		Y_o
14	20	X/L	ϕ
15	251	X/C	Y_o
16	252		
17	264		
18	269		
19	270	X/C	Y_o
20	482	2Y/B	X_o
21	271	X/C	Y_o
22	483	2Y/B	X_o
23	484		X/C
24	485		X/C
25	490		X_o
26	491	2Y/B	X/C
27	83	X/C	Y_o
28	84		
29	95		
30	96		
31	97		
32	107		
33	131	X/C	Y_o
34	132	X/C	Y_o
35	139		
36	140		
37	142		
38	143		
39	144		
40	147		
41	148		
42	150		
43	151		
44	152		
45	153		
46	154		
47	156		
48	158		
49	159		
50	162		
51	163	X/C	Y_o
52	41A	X/L	Z_o
53	186A		Y_o
54	187A		
55	188A		
56	189A		
57	196A		Y_o
58	336A		Z_o
59	337A		
60	338A		
61	339A		
62	341A		
63	342A		
64	343A		
65	344A		Z_o
66	113A	X/L	Y_o
67	191A	X/L	Y_o
68	192A		Z_o
69	193A		Z_o
70	194A		Z_o
71	22C		ϕ
72	36C		
73	37C		
74	38C		
75	39C		ϕ
76	54C		Y_o
77	55C		
78	56C		
79	66C		
80	67C		
81	68C	X/L	
82	77C	X/C	
83	78C		
84	79C		
85	80C		
86	81C		
87	82C		
88	90C		
89	91C		
90	92C		
91	93C		
92	94C		
93	105C		
94	106C		
95	141C		
96	155C		
97	157C	X/C	Y_o

TABLE VIII. (Continued)

CONSTANT SET 911
MODEL: 83-Ø, OH-105

Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2
1	177	RAY	LINE	34	210	RAY	LINE	67	166	X/L	Z_o
2	178	↓	↓	35	211	↓	↓	68	167	↓	↓
3	179			36	212			69	168		
4	180			37	213			70	169		
5	181			38	214			71	170		
6	182			39	215			72	171		
7	183			40	216			73	172		
8	184			41	217			74	173		
9	185			42	218			75	174		
10	186			43	219			76	175		↓
11	187			44	220			77	176		Z_o
12	188			45	221			78	379		Φ
13	189			46	222	↓	↓	79	380		↓
14	190			47	223	RAY	LINE	80	381		
15	191			48	224	X/L	Y_o	81	382		
16	192			49	225	↓	↓	82	383		
17	193			50	226			83	384		
18	194			51	227			84	385		
19	195			52	228			85	386		
20	196			53	229			86	387		
21	197			54	230			87	388		
22	198			55	231			88	389		
23	199			56	232			89	390		
24	200			57	233			90	391		
25	201			58	234			91	392		
26	202			59	235			92	393		
27	203			60	236		↓	93	394		
28	204			61	237		Y_o	94	395		
29	205			62	161		Z_o	95	396		
30	206			63	162		↓	96	397	↓	↓
31	207			64	163			97	398	X/L	Φ
32	208	↓	↓	65	164	↓	↓				
33	209	RAY	LINE	66	165	X/L	Z_o				

TABLE VIII. (Concluded)

CONSTANT SET 922
MODEL: 83-Ø, ØH-105

Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2	Ch No.	TC No.	COORD1	COORD2
1	399	X/L	Φ	34	288	X/L	Φ	67	451	X/L	Φ
2	400	↓	↓	35	289	↓	↓	68	452	↓	↓
3	401			36	290			69	453		
4	402			37	291			70	454		
5	403			38	292			71	455		
6	404			39	293			72	456		
7	405			40	294			73	457		
8	406			41	426			74	458		
9	407			42	427			75	459		
10	408			43	428			76	460		
11	409			44	429			77	461		
12	410			45	430			78	462		
13	411			46	431			79	463		
14	412			47	432			80	464		
15	413			48	433			81	465		
16	414			49	434			82	466		
17	415			50	435			83	467		
18	416			51	436			84	468		
19	273			52	437			85	469		
20	274			53	438			86	470		
21	275			54	439			87	471		
22	276			55	440			88	472		↓
23	277			56	441			89	473		Φ
24	278			57	442			90	303		–
25	279			58	443			91	474		Φ
26	280			59	444			92	475		Φ
27	281			60	445			93	476		Φ
28	282			61	446			94	296		–
29	283			62	447			95	298		↓
30	284			63	448		↓	96	299	↓	–
31	285			64	449		Φ	97	300	X/L	
32	286	↓	↓	65	297	↓	–				
33	287	X/L	Φ	66	450	X/L	Φ				

TABLE IX. 60-Ø MODEL LOCAL SURFACE DEFLECTION ANGLES

T/C NO	ε, DEG	T/C NO	ε, DEG	T/C NO	ε, DEG	T/C NO	ε, DEG
1	90	21	2.0	41	-4.5	70	-4.5
2	50	22C	1.4	42	-4.5	71	-4.5
3	35.5	23	1.0	43	-4.5	72	-4.5
4	23.0	24					
5	17.7	25		50 C	1.0	73C	90.0
6	14.4	26		51 C		74C	8.0
7	12.0	27C		52 C		75C	6.75
8	10.3	28C		53 C		76C	4.6
9	8.6	29C		54 C		77C	3.25
10	7.3	30C		55 C		78C	2.75
11	6.4	31C				79C	1.0
12	5.5	32C		61 C	1.0	80C	1.1
13	4.3	33C		62 C		81C	0.75
14	3.9	34C	1.0	63 C		82C	-0.5
15	3.6	35C	-1.5	64 C		83	-5.7
16	3.4	36C	-2.0	65 C		84	-8.0
17	3.1	37C	-2.6	66 C	-2.0		
18	2.8	38C	-3.2	67 C	-3.2		
19	2.6	39C	-3.8	68 C	-3.8		
20	2.3	40	-4.5	69	-4.5		

TABLE IX. Concluded

T/C NO	ε, DEG	T/C NO	ε, DEG	T/C NO	ε, DEG	T/C NO	ε, DEG
86 C	90.0	106 C	0.6	127 C	4.5	148	-7.25
87 C	12.5	108 C	90.0	128 C	2.25	149	90.0
88 C	6.9	109 C	90.0	129 C	1.2	150	2.5
89 C	2.5	110 C	16.75	130 C	1.2	151	2.0
90 C	1.1	111 C	10.5	131	1.0	152	90.0
91 C	1.0	112 C	6.25	132	-7.5	153	3.75
92 C	1.6	113 C	4.0	133	90.0	154	3.0
93 C	1.1	114 C	1.5	134	18.0	155 C	2.25
94 C	0.2	115 C	1.5	135	9.0	157 C	1.75
95	-3.5	116 C	1.75	136	4.5	158	-3.0
96	-7.5	117 C	1.1	137	2.1	159	-7.75
97	-9.25	118 C	1.0	138	1.6	160	90.0
98 C	90.0	119 C	-0.5	139	1.5	161	8.5
99 C	90.0	120	-3.5	141 C	1.0	162	5.0
100 C	11.2	121	-4.6	142	-3.4	163	2.5
101 C	5.0	122	-8.0	143	-7.4	164	2.0
102 C	2.0	123	-9.25	144	-8.9	165	1.5
103 C	1.5	124 C	90.0	145	90.0	166	-0.5
104 C	1.25	125 C	90.0	146	2.0	167	-4.5
105 C	1.0	126 C	17.5	147	1.75	168	-7.5

TABLE X.

83-Ø MODEL LOCAL SURFACE DEFLECTION ANGLES

T/C NO	ϵ, DEG	T/C NO	ϵ, DEG
273	89.0	294	1.0
274	85.0	295	1.0
275	75.0		
276	43.0		
277	35.5		
279	23.0		
280	21.0		
281	20.0		
282	17.7		
283	16.5		
284	15.1		
285	14.1		
286	13.5		
287	12.0		
288	5.0		
289	3.4		
290	2.0		
291	1.0		
292	1.0		
293	1.0		

TABLE A. [illegible]

Test: OH-84B, OH-105 Model: 60-0 (Base String)

Con. Set 111, 711			Con. Set 122, 722			Con. Set 133, 733	
[illegible]MS PAD - SW. POS. 1			WING UPPER SURF. SW. POS. 2			FUS. LOWER & - SW. POS. 3	
T/C [illegible]	X/L	TRACE	T/C NO.	2Y/b	X.	T/C NO.	X/L
298	0.843	1	460	0.50	1373.54	5	0.03
308	.881		461	.55		6	.04
[illegible]15	.920		462	.60		7	.05
[illegible]20	.939		463	.65		8	.06
			464	.70		9	.07
[illegible]04	0.862	2	465	.725		10	.08
[illegible]09	.881		466	.75		11	.09
[illegible]16	.920		467	.775		12	.10
[illegible]21	.939		468	.80		13	.12
327	.978		469	.825		14	.13
			470	.85		15	.14
[illegible]03	[illegible]62	3	471	.875		16	.15
[illegible]10	.881		274	.90		18	.17
317	.920		472	.925		21	.20
[illegible]22	.939		277	.95		23	.25
328	.978		473	.975		24	.30
						25	.35
299	0.843	4				26	.40
304	.862					27C	.45
311	.881					28C	.50
318	.920					29C	.55
323	.939					30C	.60
329	.978					31C	.65
						32C	.70
300	0.843	5				33C	.75
305	.862					34C	.80
312	.881					35C	.90
319	.920						
330	.978					19	.18
						17	.16
301	0.843	6					
306	.862						
313	.901						
325	.939						
331	.978						

TABLE XI. Continued

Test: OH-84B Model: 60-0 (Offset String)

Con Set 211			Con Set 222			
BODY FLAP - SW. POS. 1			LOWER WING - SW. POS. 2			
T/C NO.	X/C	Y_o	T/C NO.	X/C	Z/b	~~T/C NO.~~
35 C	0.85	0	104 C	0.40	0.50	
36 C	.90		105 C	.60		
37C	.925		106 C	.70		
38 C	.95		107	.90		
39 C	.975					
40	1.015		116 C	0.40	0.60	
41	1.03		117 C	.50		
42	1.045		118 C	.60		
43	1.06		119 C	.70		
			120	.80		
54 C	0.90	46.8	121	.85		
55 C	.95		122	.90		
56 C	.975		123	.95		
57	1.015					
58	1.03		130 C	0.40	0.70	
59	1.045		131	.60		
60	1.06		132	.90		
66 C	0.90	93.6	143	0.90	0.75	
67 C	.95		144	.95		
68 C	.975					
69	1.015					
70	1.03					
71	1.045					
72	1.06					

TABLE XI. Continued

Test: IH-102 Model: 56-0

Con. Set 311

TRACE NO.		FUSELAGE SIDE T/C	X/L	Z_o
1	1		.275	437.5
	2		.300	442.0
	3		.325	445.0
	4		.350	
	5		.375	
	6		.40	
	7		.425	
	8		.45	
	9		.475	
	10		.50	
	11		.525	
	12		.550	
	13		.600	
	14		.650	
	15		.700	
	16		.750	
	17		.800	
2	18		.285	420.0
	19		.337	
	20		.390	
	21		.426	
	22		.478	
	23		.530	
	24		.567	
	25		.620	
	26		.670	
	27		.705	
	28		.750	
	29		.800	
	30		.824	
3	31		.200	400.0
	32		.225	
	33		.250	
	34		.275	
	35		.300	
	36		.325	
	37		.350	
	38		.375	
	39		.400	
	40		.425	
	41		.450	
	42		.475	
	43		.500	
	44		.525	
	45		.550	
	46		.600	
	47		.650	
	48		.700	
	49		.750	
	50		.800	
	51		.850	
	52		.875	
	53		.900	
	54		.925	
	55		.950	

TABLE XI. Continued

Test: IH-102 Model: 56-0

Con. Set 311

TRACE NO.	FUSELAGE SIDE T/C	X/L	Z_o
4	56	.300	372.5
	57	.325	
	58	.350	
	59	.375	
	60	.400	
	61	.425	
	62	.450	
	63	.475	
	64	.500	
	65	.525	
	66	.550	
	67	.600	
	68	.650	
	69	.700	
	70	.750	
5	71	.200	355.0
	72	.225	
	73	.250	
	74	.275	
	75	.800	
	76	.850	
	77	.875	
	78	.900	
	79	.925	
	80	.950	

TABLE XI. Continued

Test: IH-102 Model: B3-0

Con. Set 411

X_0=270 X-SECTION – SW. POS. 1

T/C NO.	θ (DEG)
427	343
428	335
429	324
430	320
431	310
432	303
433	295
434	287.5
435	280
436	273

Con. Set 422

UPPER ℄ – SW. POS. 2

T/C NO.	X/L
367	0.000
368	.001
369	.002
370	.004
371	.006
372	.009
373	.012
374	.015
375	.018
376	.022
377	.025
378	.028
379	.061
380	.065
381	.069
382	.072
383	.076
384	.080
385	.095
386	.099
387	.102
388	.116
389	.120
390	.123
391	.127
392	.131
393	.134
394	.138
395	.141
396	.145
397	.149
398	.152
399	.156
400	.159
401	.161
402	.164
403	.167

UPPER ℄ CONT. – SW. POS. 2

T/C NO.	X/L
404	0.170
405	.172
406	.175
407	.177
408	.180
409	.183
410	.187
411	.190
412	.194
413	.198
414	.205
415	.226
416	.251
417	.276
418	.301
419	.326
420	.351
421	.376
422	.401
423	.426

TABLE XI. Continued

Test: IH-102 Model: 60-0

Con. Set 511			Con. Set 522		Con. Set 533		
OMS POD - SW. POS. 1			TOP ℄ - SW. POS. 2		LOWER SIDE AT ELEVON GAP - SW. POS. 3		
T/C NO.	X/L	TRACE	T/C NO.	X/L	T/C NO.	X/L	Z.
298	0.843	1	169	0.010	320A	0.906	318.0
308	.881		170	.025	321A	.921	
315	.920		171	.050	322A	.946	
320	.939		172	.075	323A	.971	
			173	.100			
302	0.862	2	174	.125	336A	0.906	280
309	.881		175	.150	337A	.921	
316	.920		176	.160	338A	.948	
321	.939		177	.170	339A	.973	
327	.978		178	.180			
			179	.200	341A	0.906	268
303	0.862	3	182	.40	342A	.921	
310	.881		183	.45	343A	.946	270
317	.920		184	.50	344A	.973	272
322	.939		185	.55			
328	.978		186	.60			
			187	.65			
299	0.843	4	188	.70			
304	.862		189	.75			
311	.881		190	.80			
318	.920						
323	.939						
329	.978						
300	.843	5					
305	.862						
312	.881						
319	.920						
330	.978						
301	0.843	6					
306	.862						
313	.901						
325	.939						
331	.978						

TABLE XI. Continued

Test: OH-105 Model: 60-0 (Base Strg)

Con. Set 811

LOWER AFT. FUS. & BODY FLAP - SW. POS. 4

T/C NO.	X/L	Y_o	T/C NO.			T/C NO.		
36C	0.90	0						
37C	.925							
38C	.950							
39C	.975							
40	1.015							
41	1.03							
42	1.045							
43	1.06	↓						
54C	0.90	46.8						
55C	.95							
56C	.975							
57	1.015							
58	1.03							
59	1.045							
60	1.06	↓						
66C	0.90	93.6						
67C	.95							
68C	.975							
69	1.015							
70	1.03							
71	1.045							
72	1.06	↓						
186A	0.893	103.94						
187A	.920	107.6						
188A	.944	109.2						
189A	.964	113.2						

TABLE XI. Concluded

Test: OH-105 Model: 83-0

Con. Set 911		Con. Set 922		
UPPER ℄ - SW. POS. 1		LOWER ℄ - SW. POS. 2		
T/C NO.	X/L	T/C NO.	X/L	T/C NO.
379	0.061	273	0.0010	
380	.065	274	.0018	
381	.069	275	.0041	
382	.072	276	.0070	
383	.076	277	.0103	
384	.080	278	.015	
385	.095	279	.0198	
386	.099	280	.0232	
387	.102	281	.0263	
388	.116	282	.0299	
389	.120	283	.0338	
390	.123	284	.0381	
391	.127	285	.0414	
392	.131	286	.0452	
393	.134	287	.0503	
394	.138	288	.100	
395	.141	289	.150	
396	.145	290	.200	
397	.149	291	.250	
398	.152	292	.300	
		293	.350	
		294	.400	

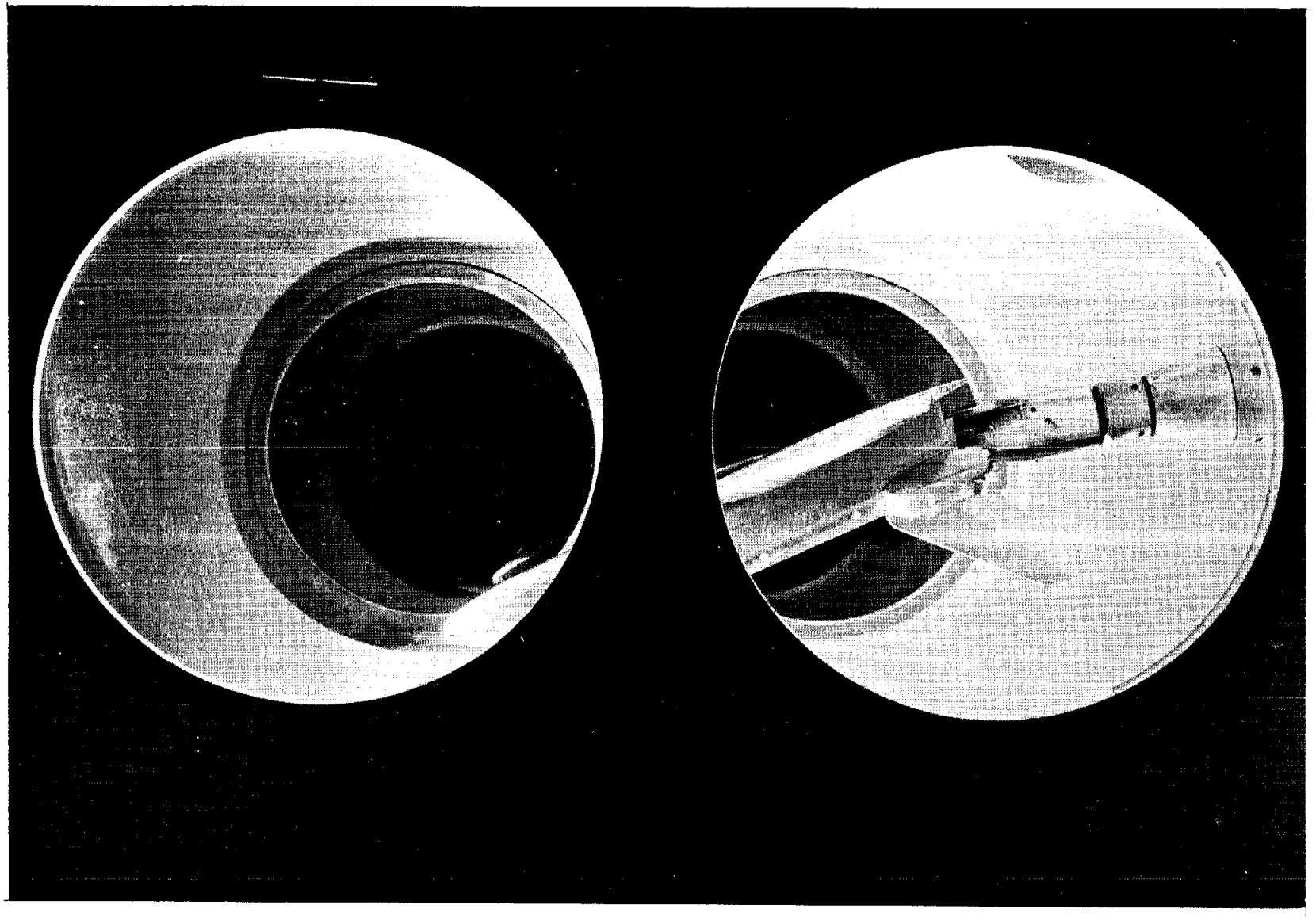


Figure 1. Model 60-0 Installed in VKF Tunnel B
(Model Shown Inverted)

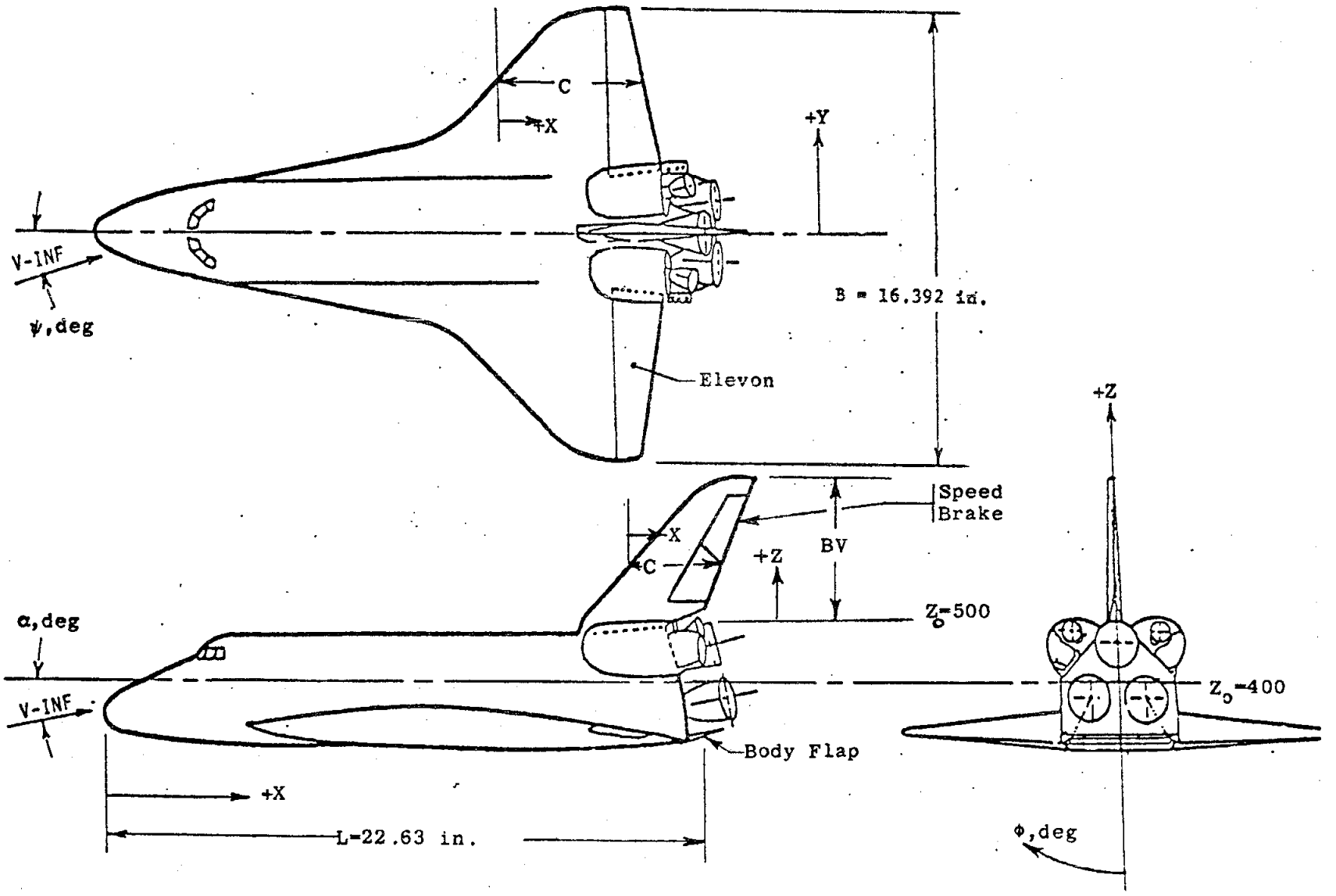


Figure 2. Sketch of the 0.0175-Scale Space Shuttle Orbiter Models

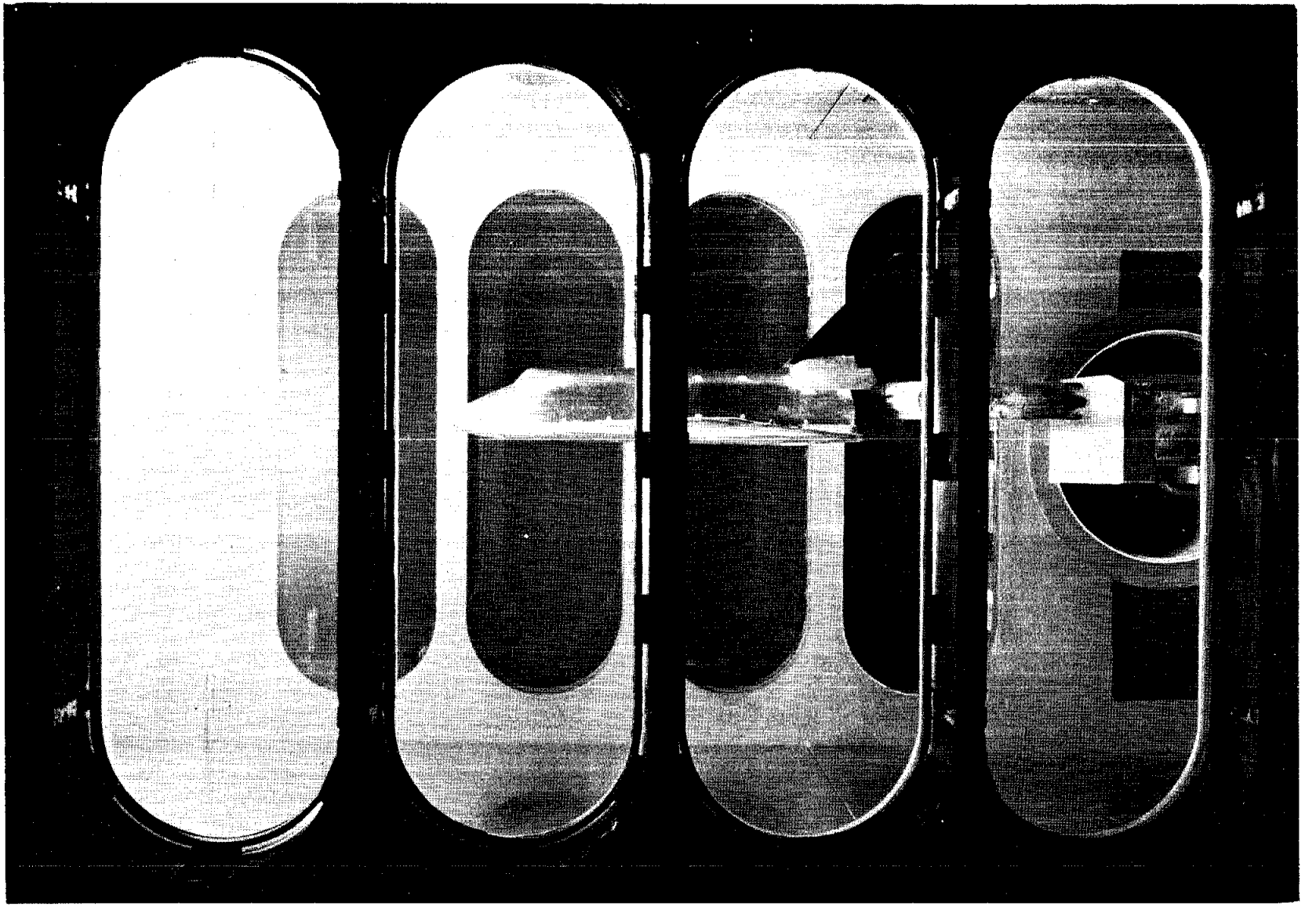


Figure 3. Model 56-0 Installed in VKF Tunnel A

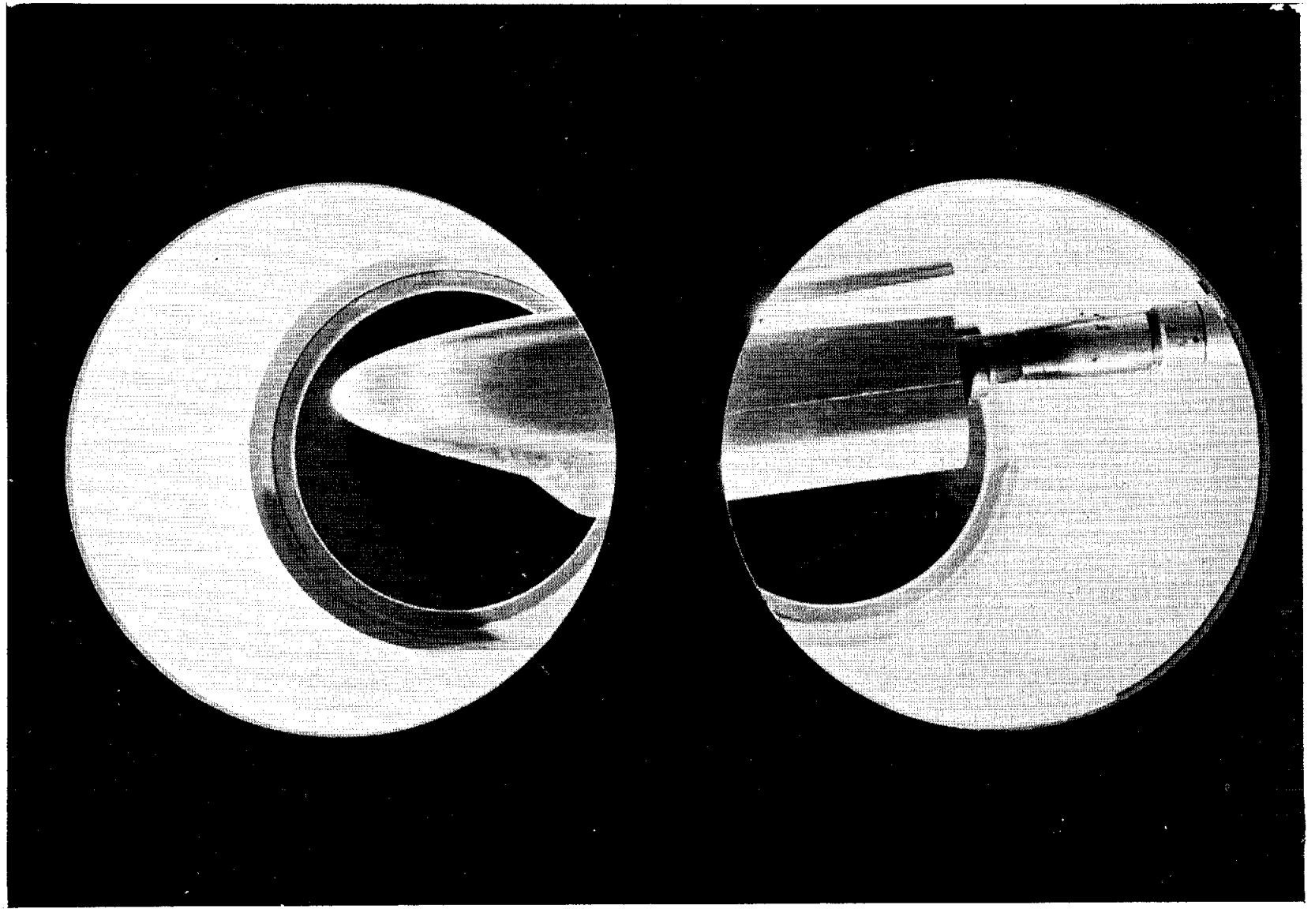


Figure 4. Model 83-0 Installed in VKF Tunnel B
(Model Shown Inverted)

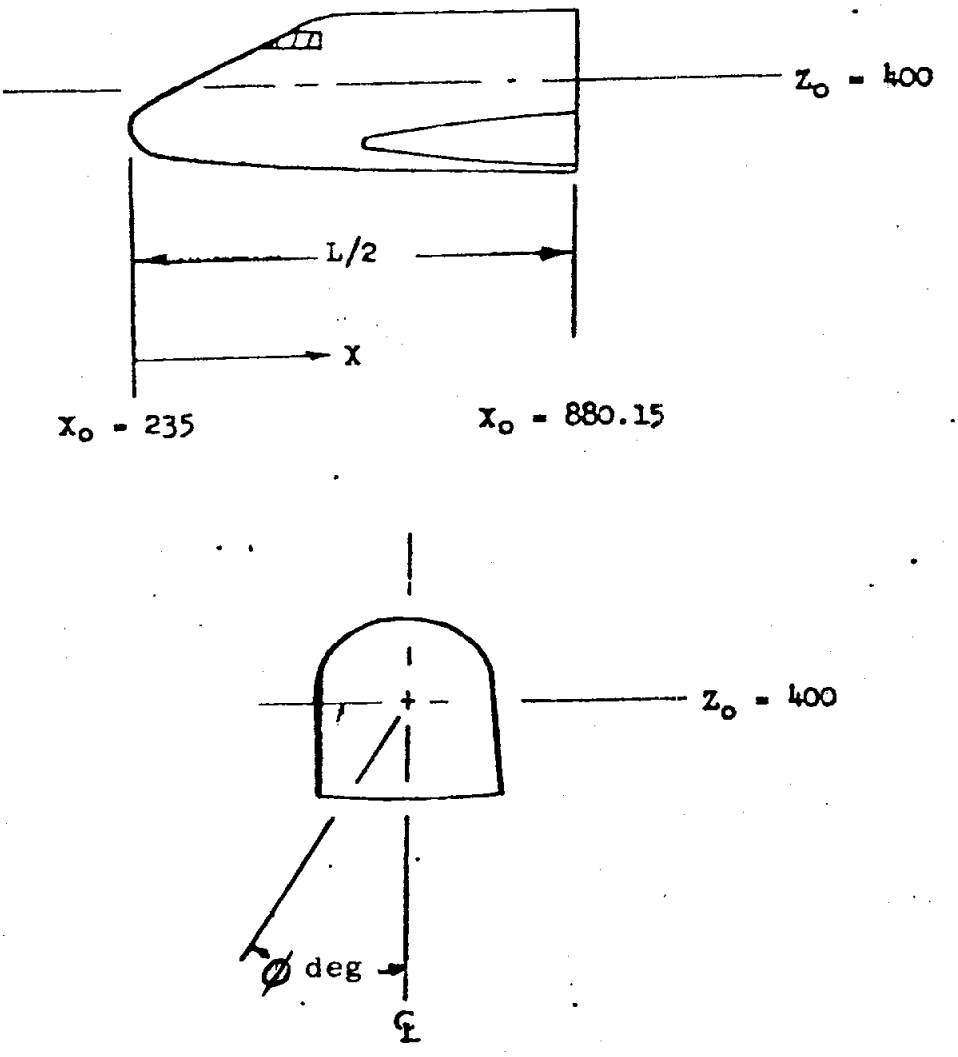
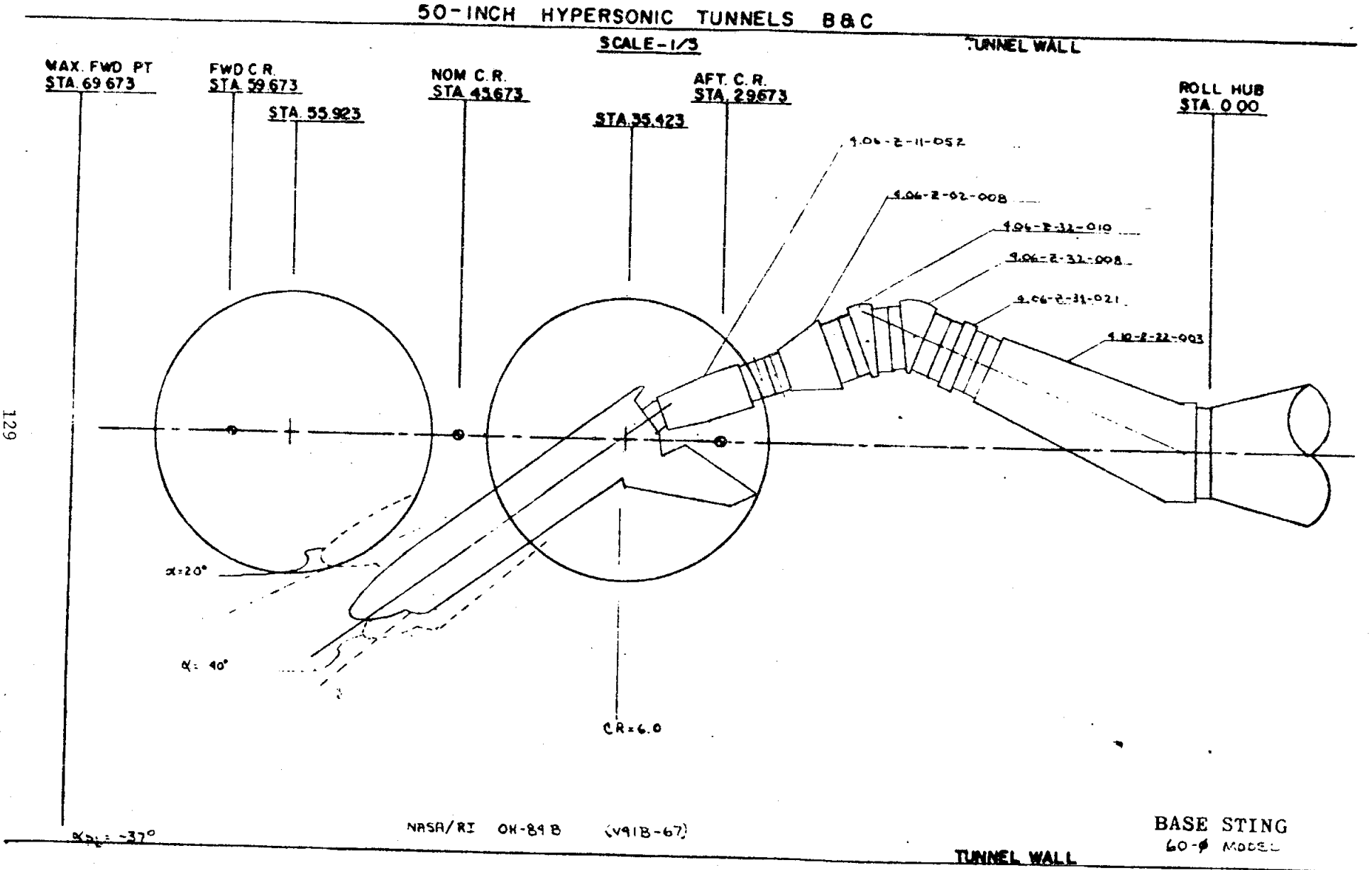
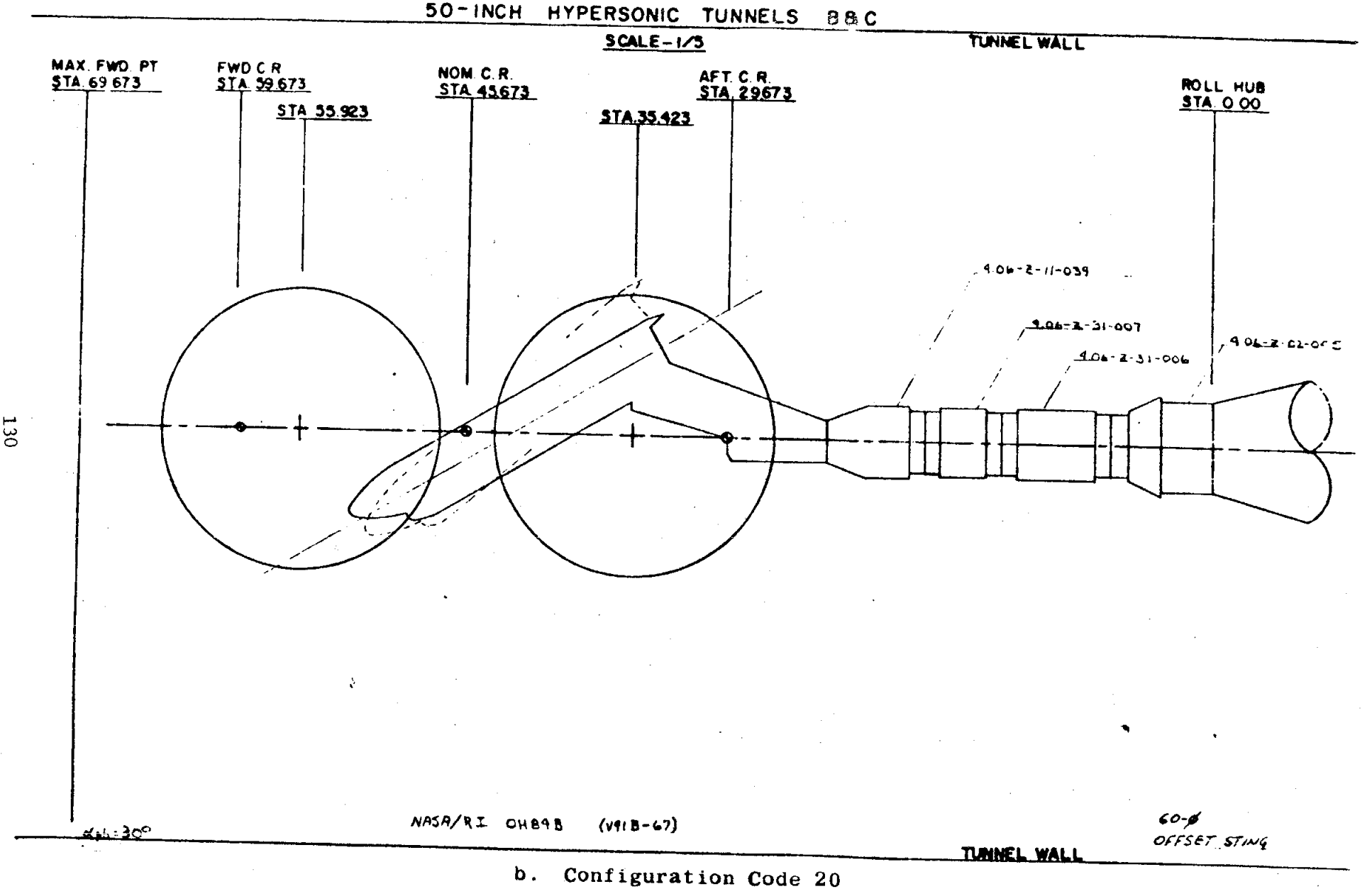


Figure 5. Sketch of 83-0 Model Coordinate System



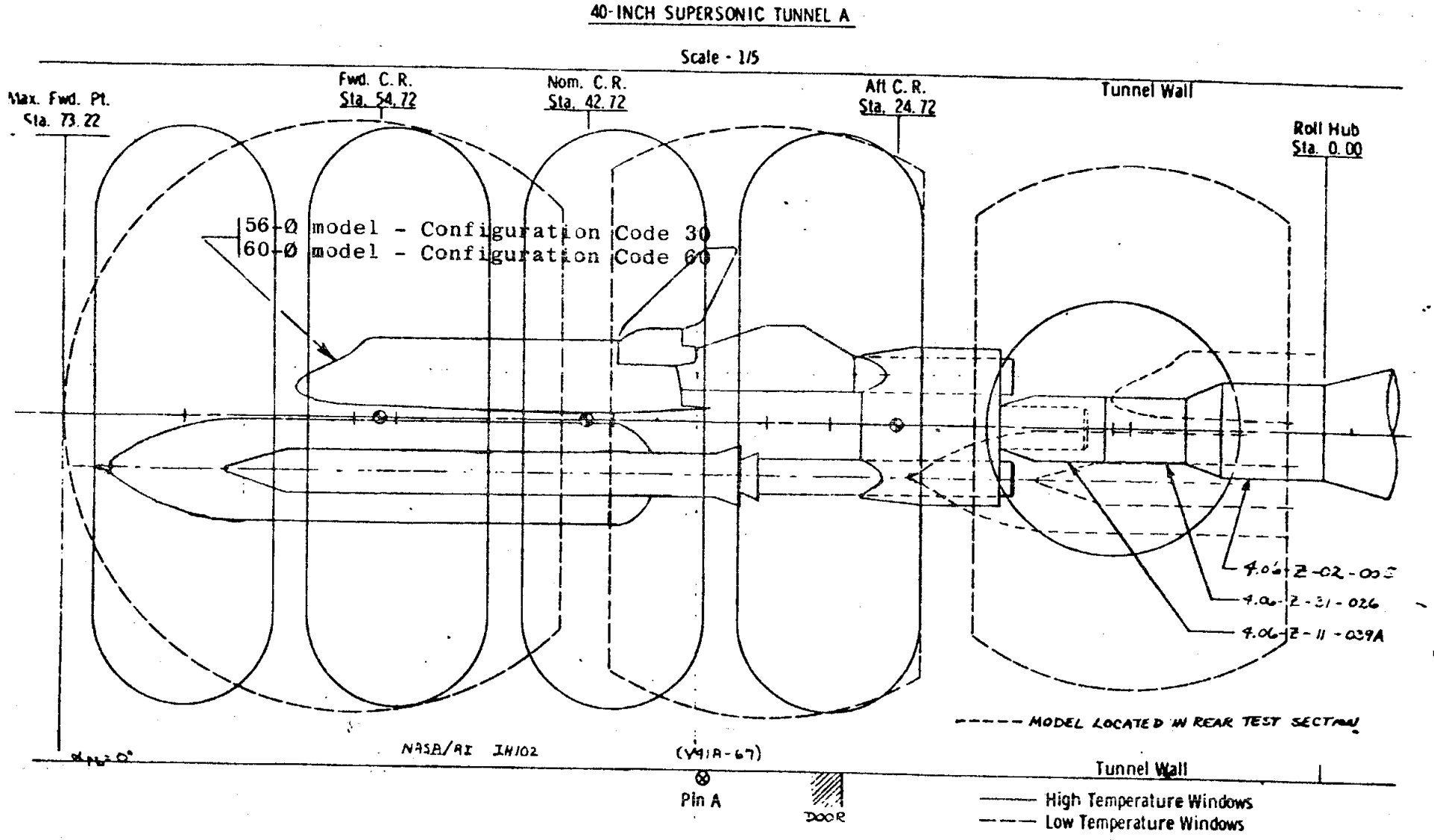
a. Configuration Code 10

Fig. 6 Installation Sketches of Model Configurations



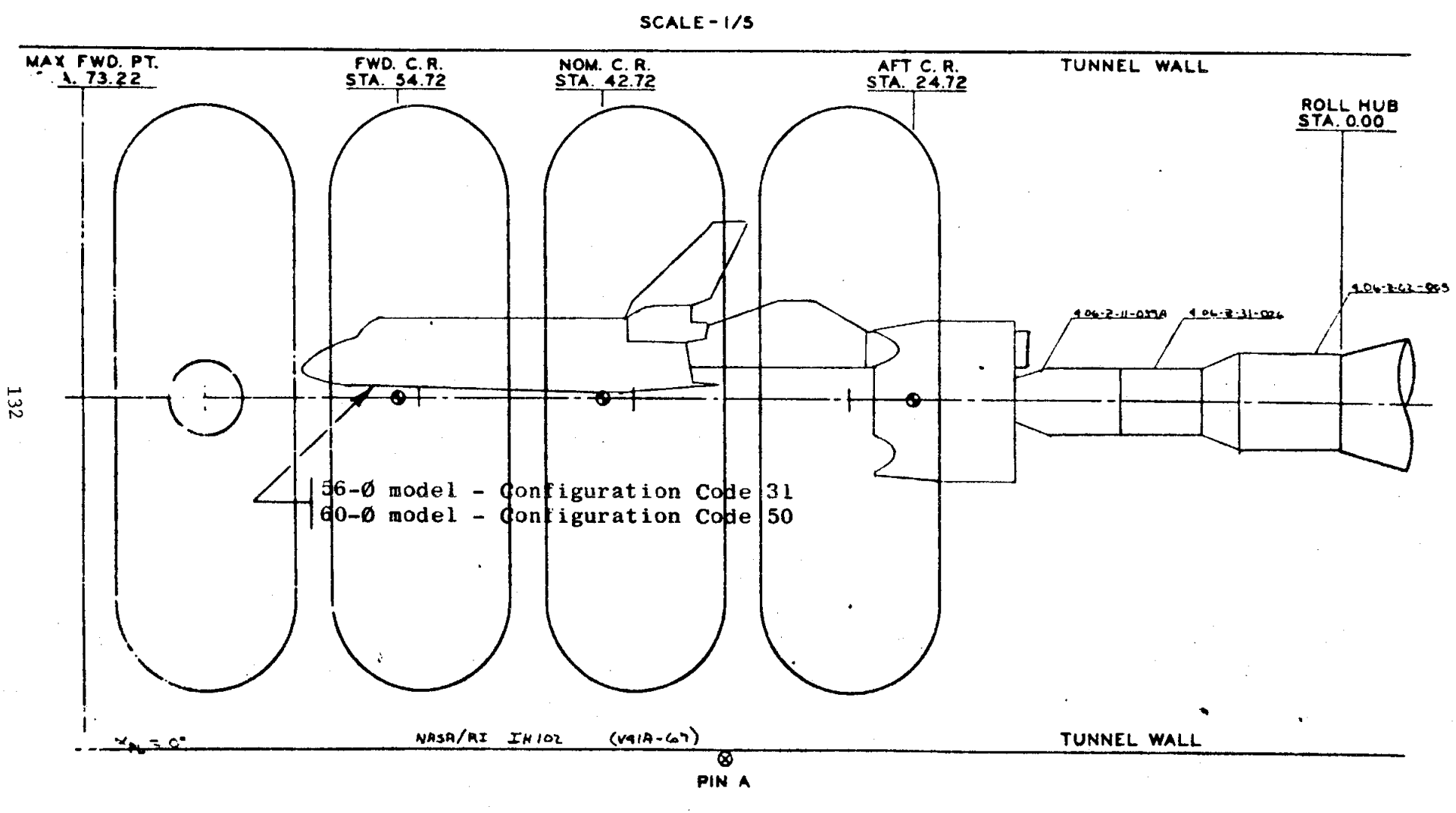
b. Configuration Code 20

Fig. 6 Continued



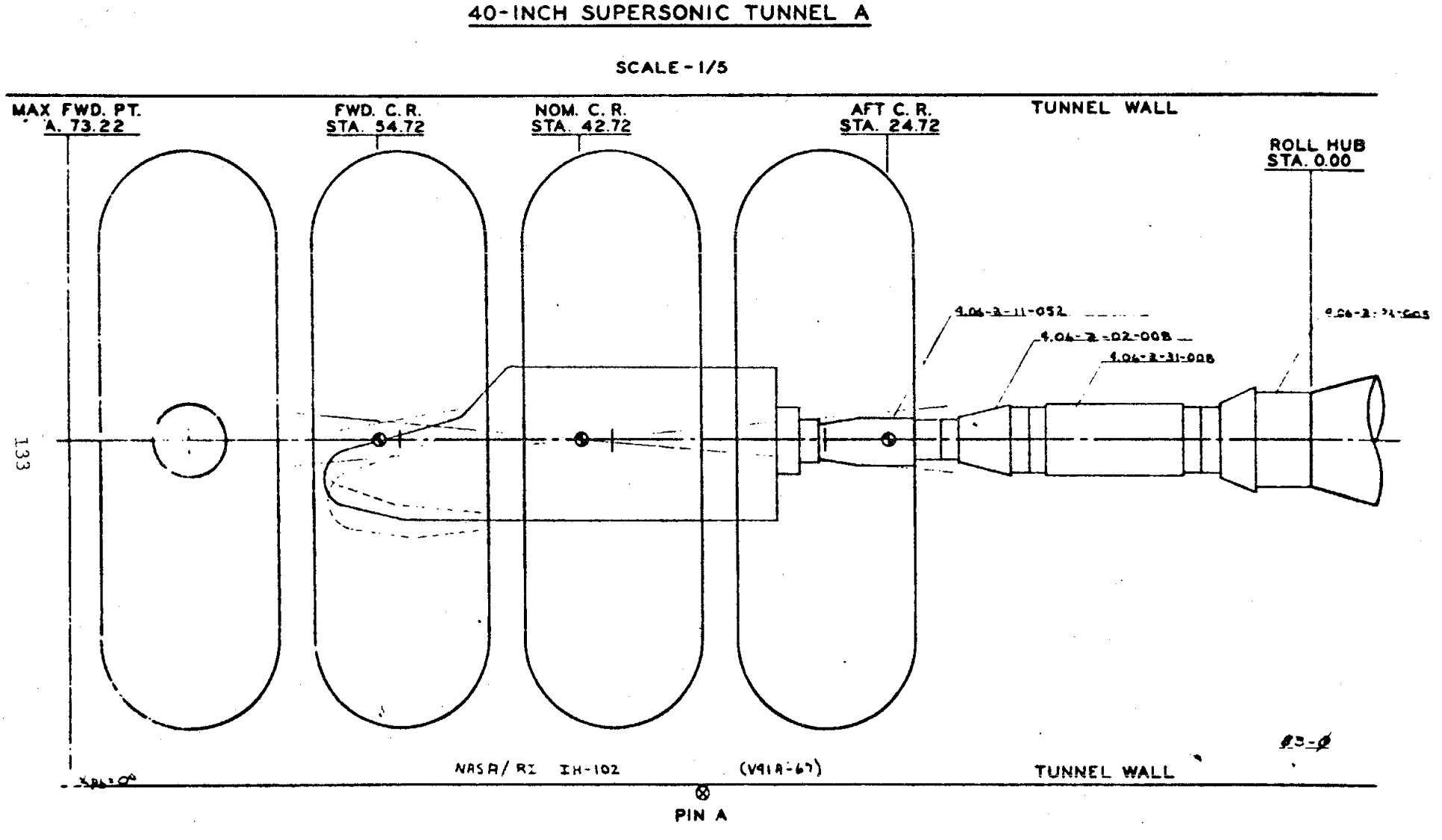
c. Configuration Codes 30 and 60

Fig. 6 Continued



d. Configuration Codes 31 and 50

Fig. 6 Continued

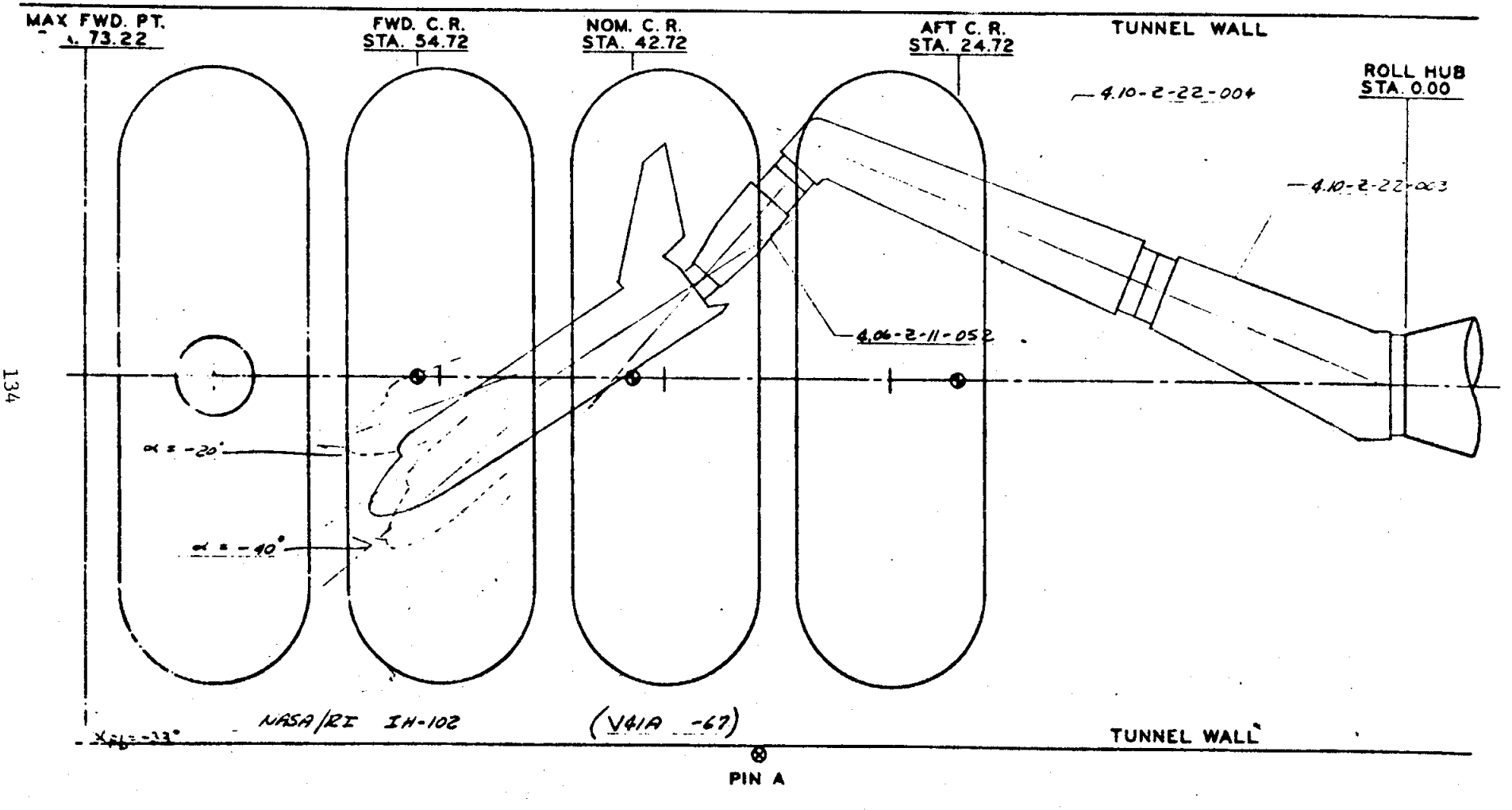


e. Configuration Code 40

Fig. 6 Continued

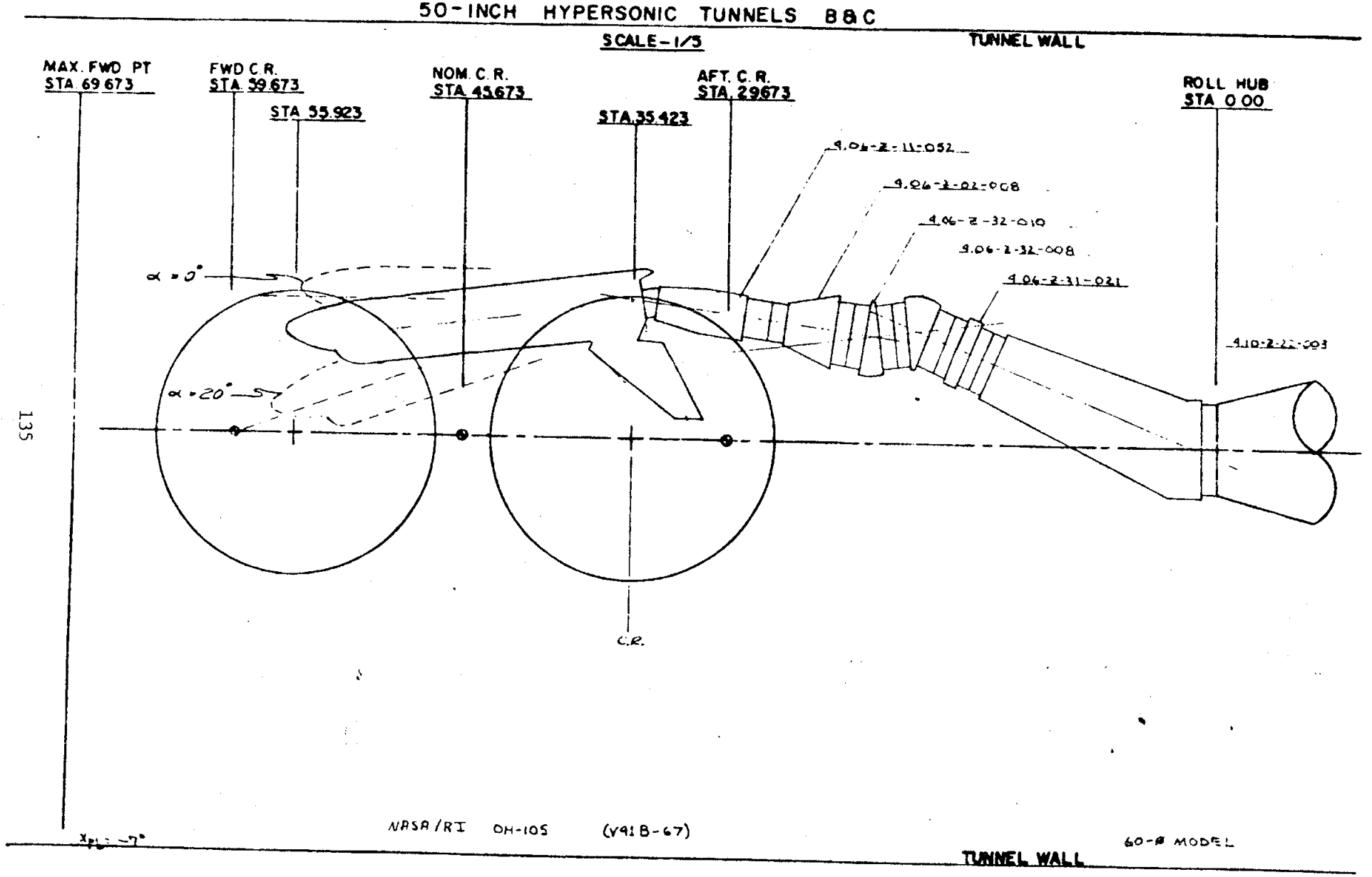
40-INCH SUPERSONIC TUNNEL A

SCALE - 1/5



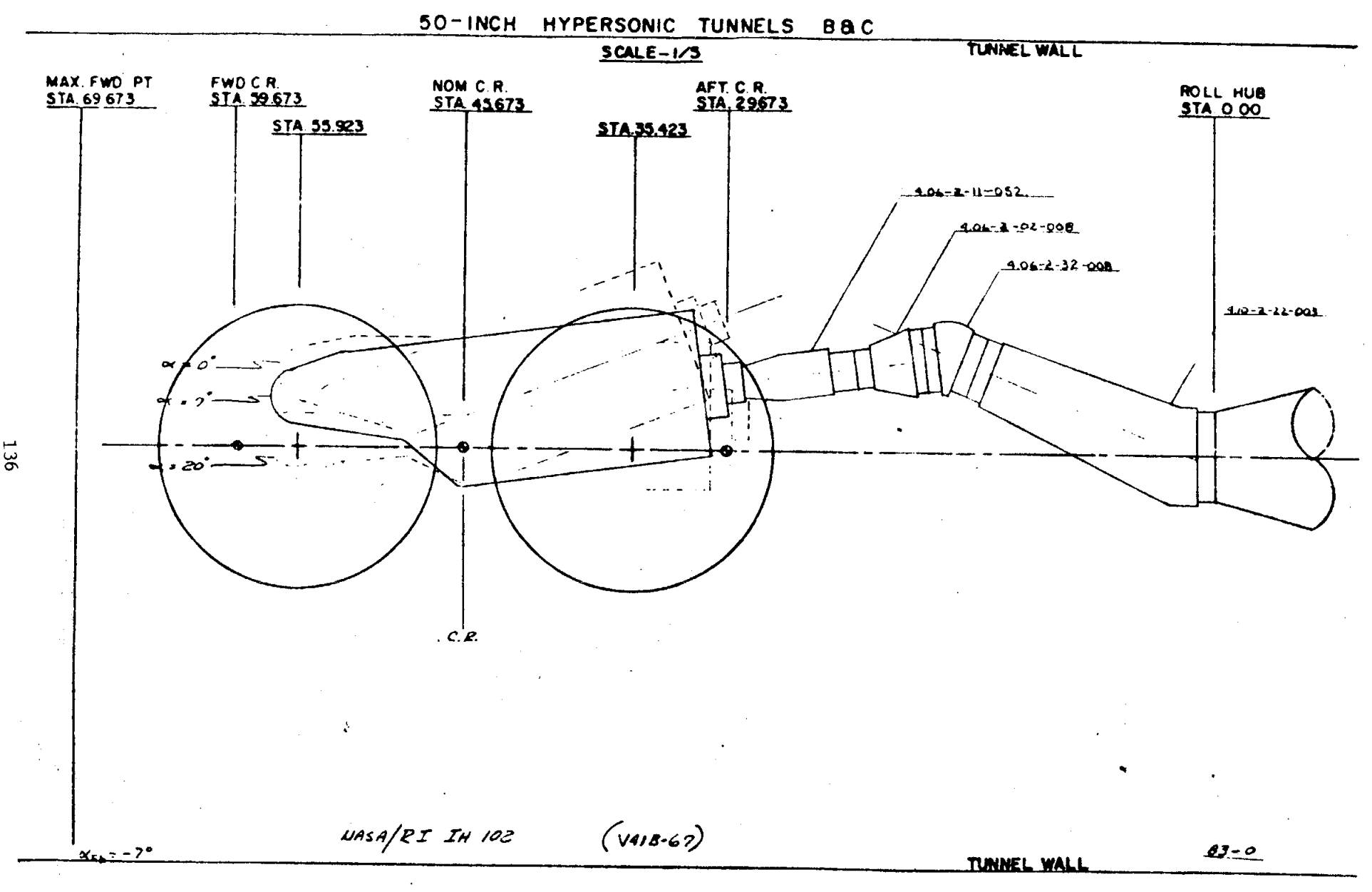
f. Configuration Code 51

Fig. 6 Continued



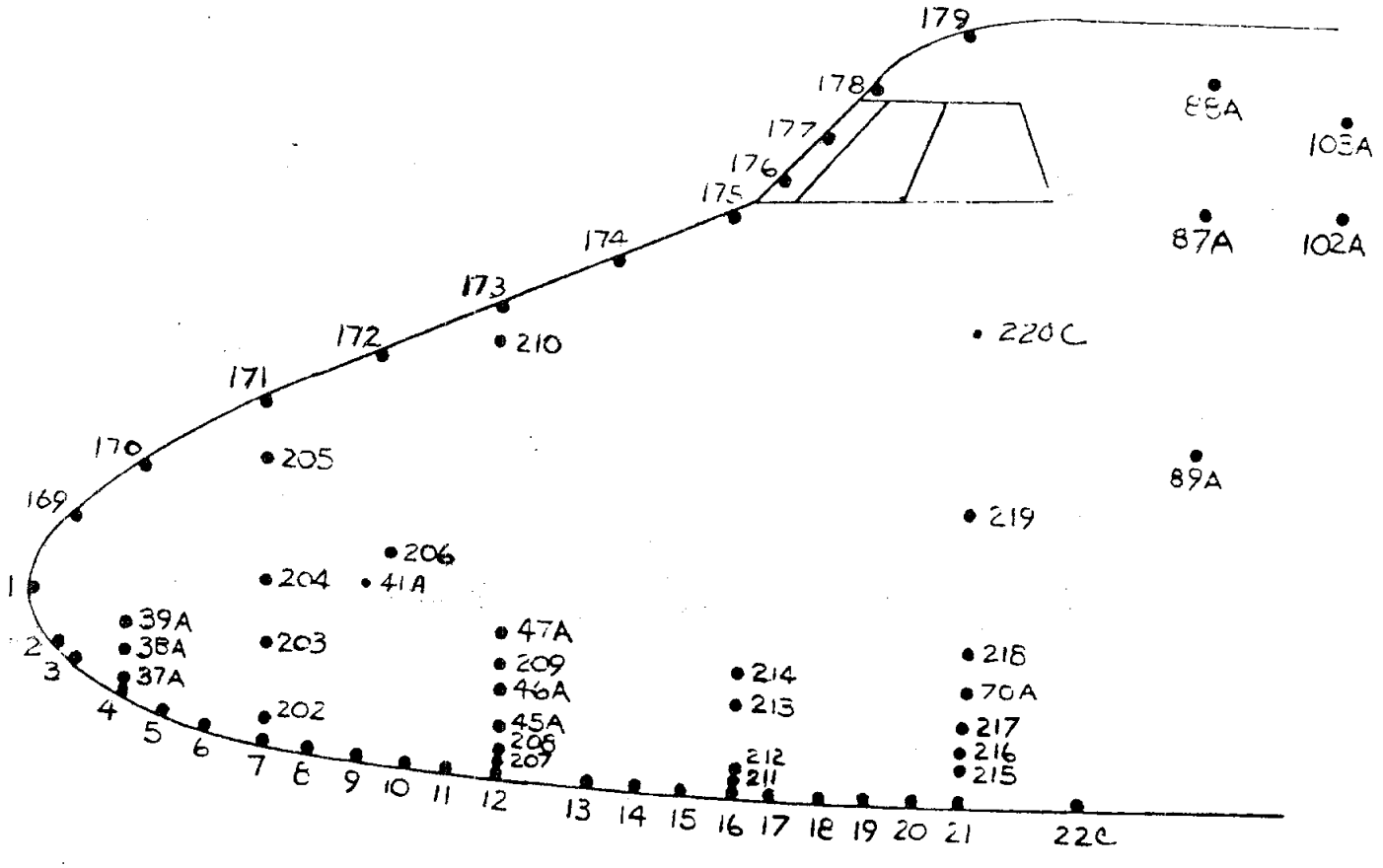
g. Configuration Code 70

Fig. 6 Continued



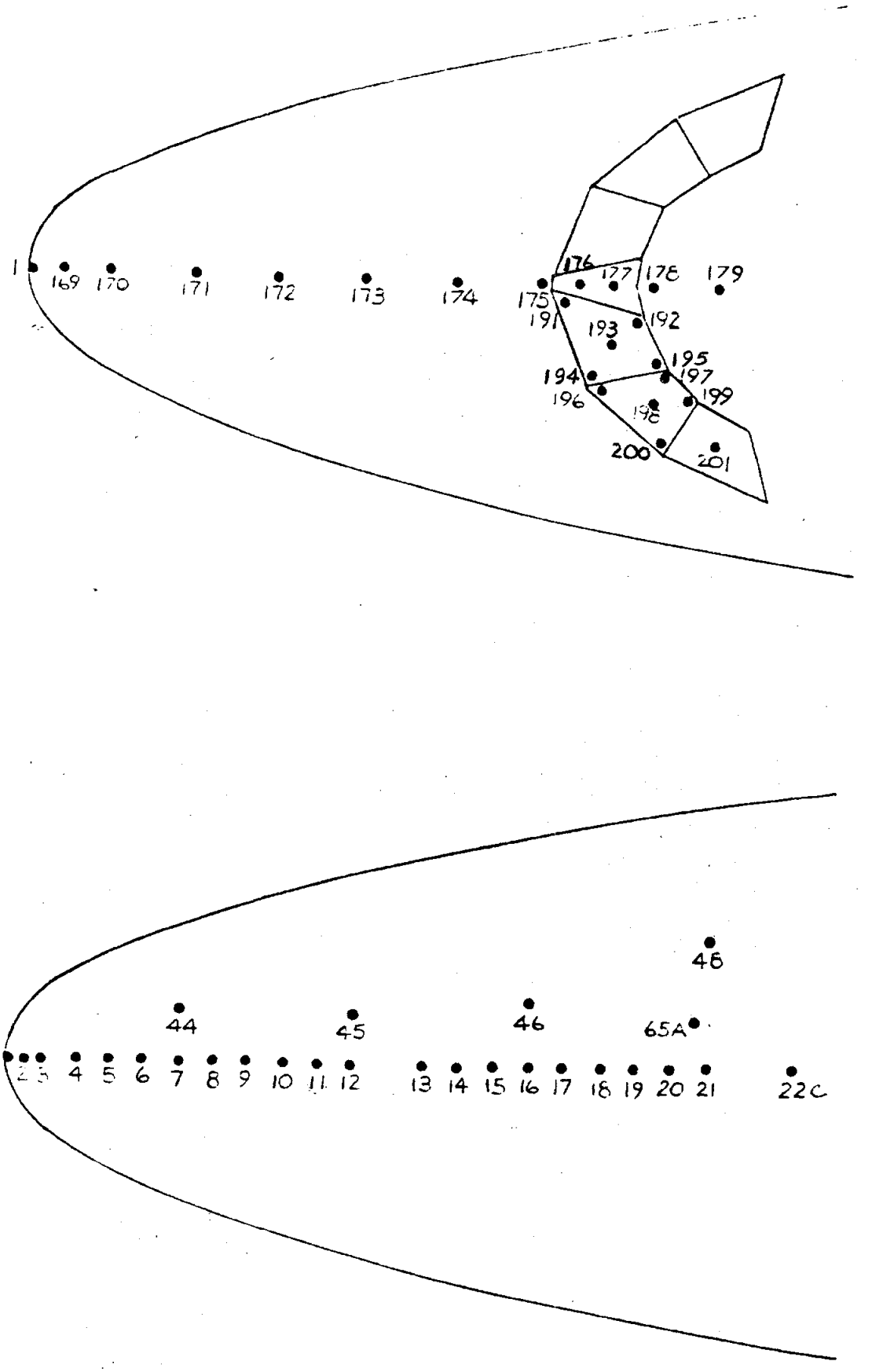
h. Configuration Code 80

Fig. 6 Concluded



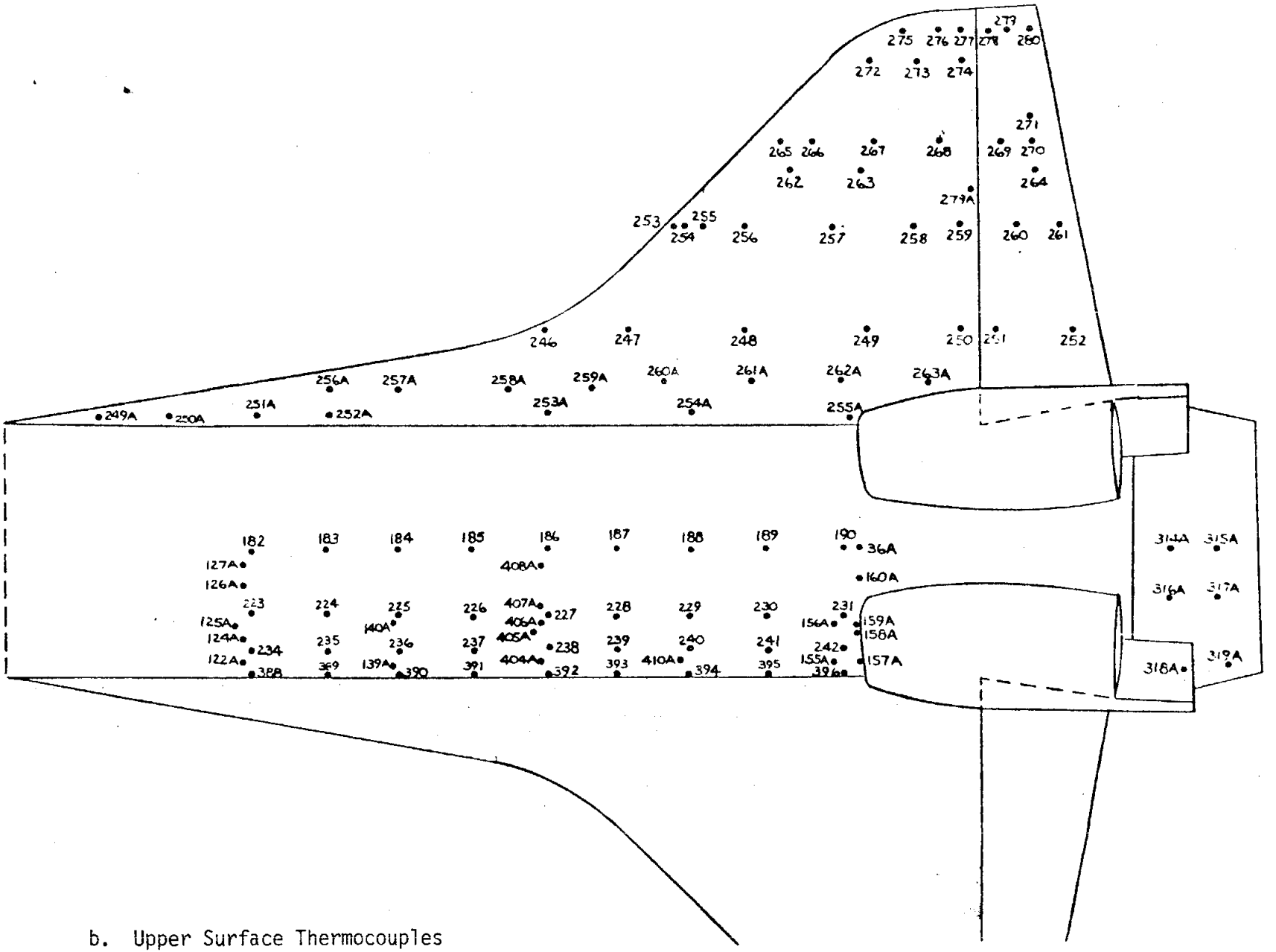
a. Nose and Canopy

Fig. 7 Thermocouple Locations on 60-Ø Model



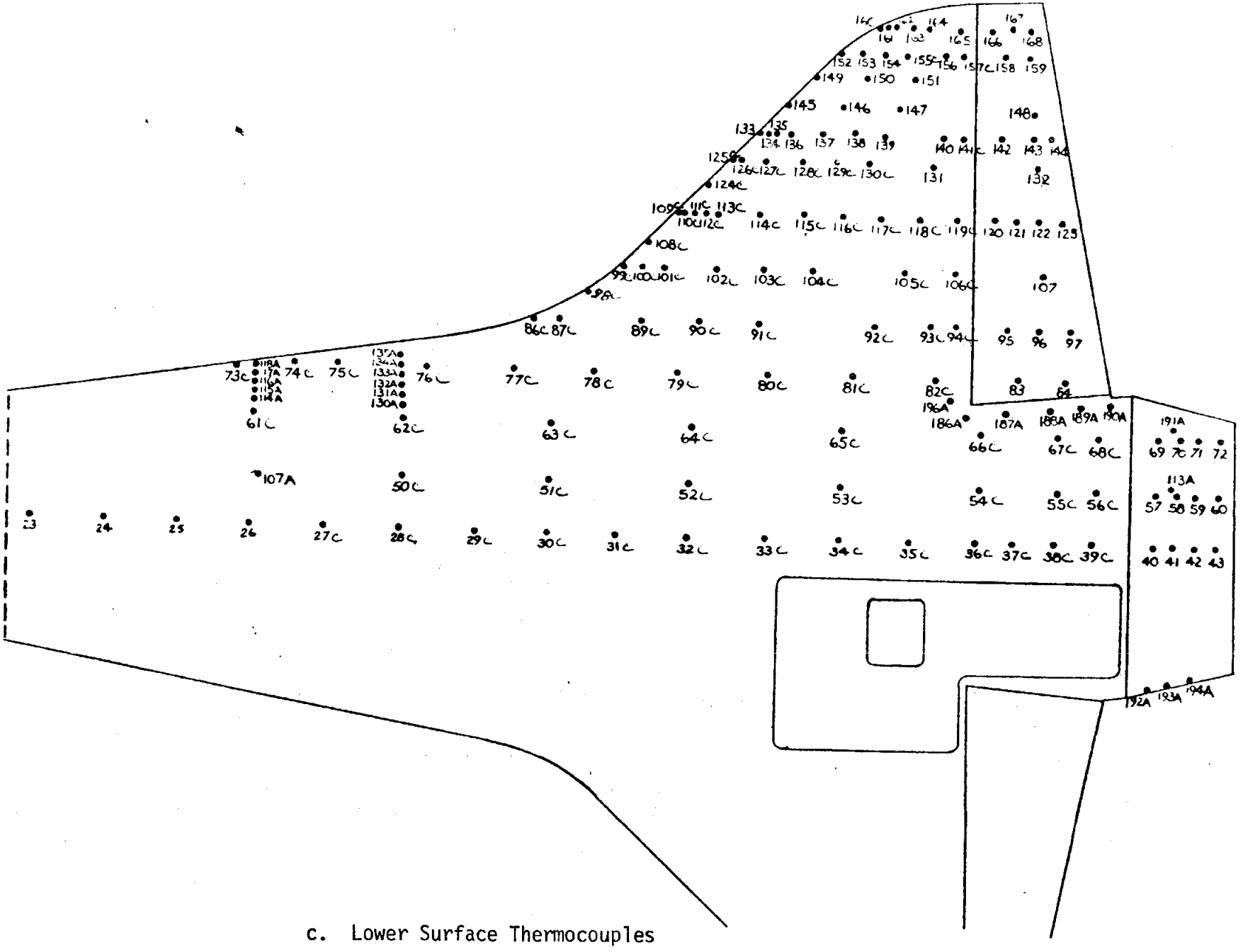
a. **Nose and Canopy** (Concluded)

Fig. 7 Continued



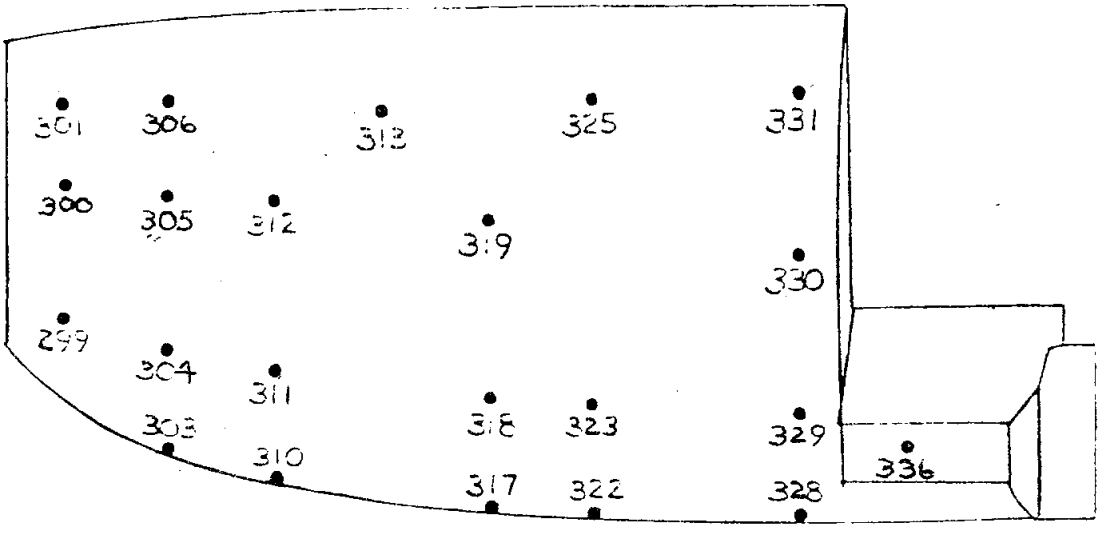
b. Upper Surface Thermocouples

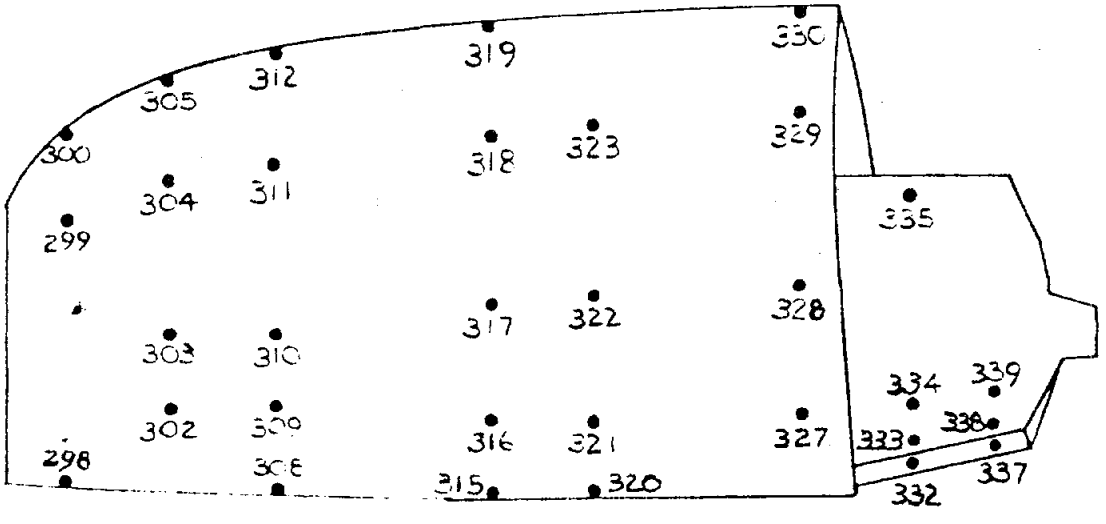
Fig. 7. Continued



c. Lower Surface Thermocouples

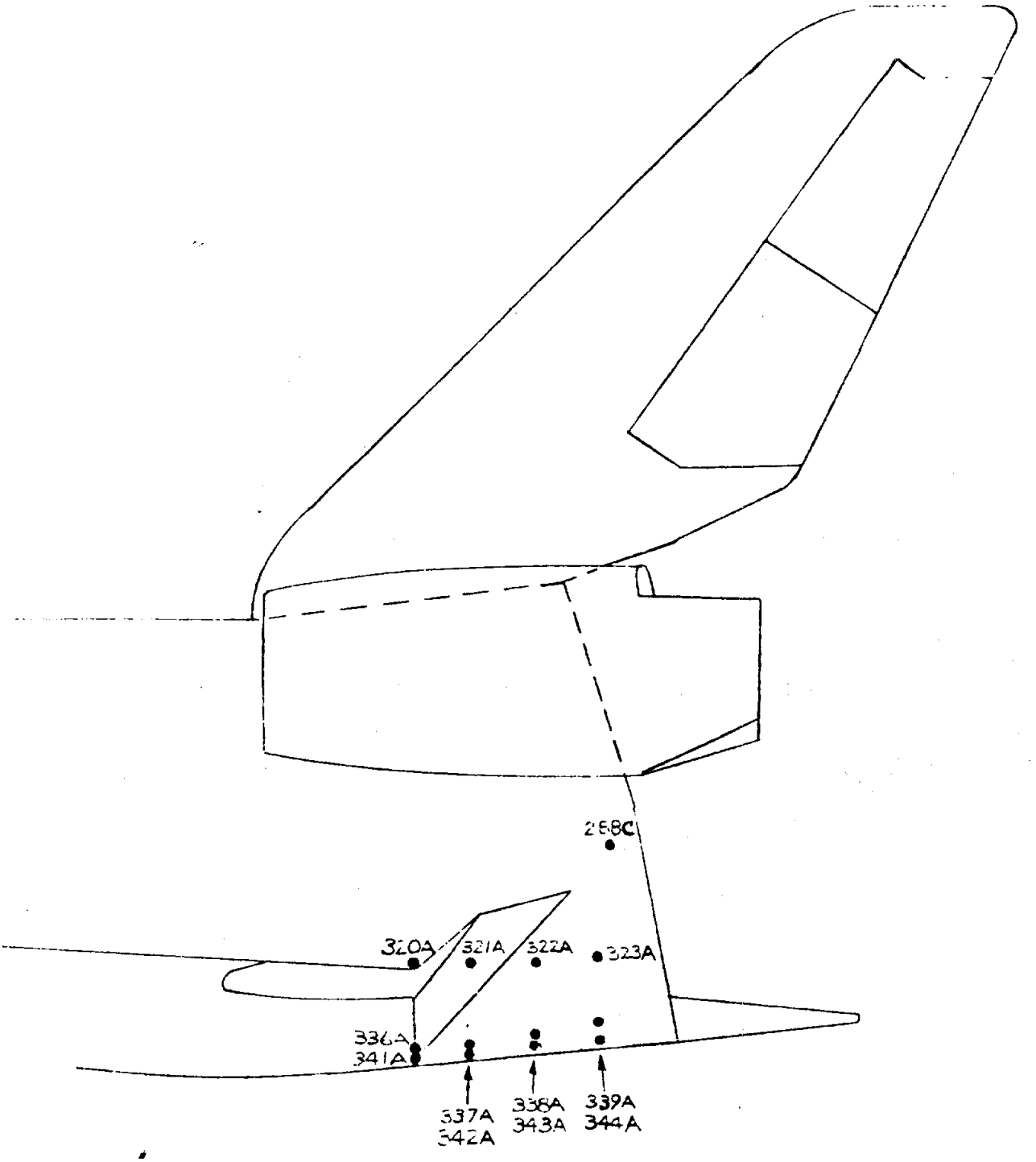
Fig. 7 Continued





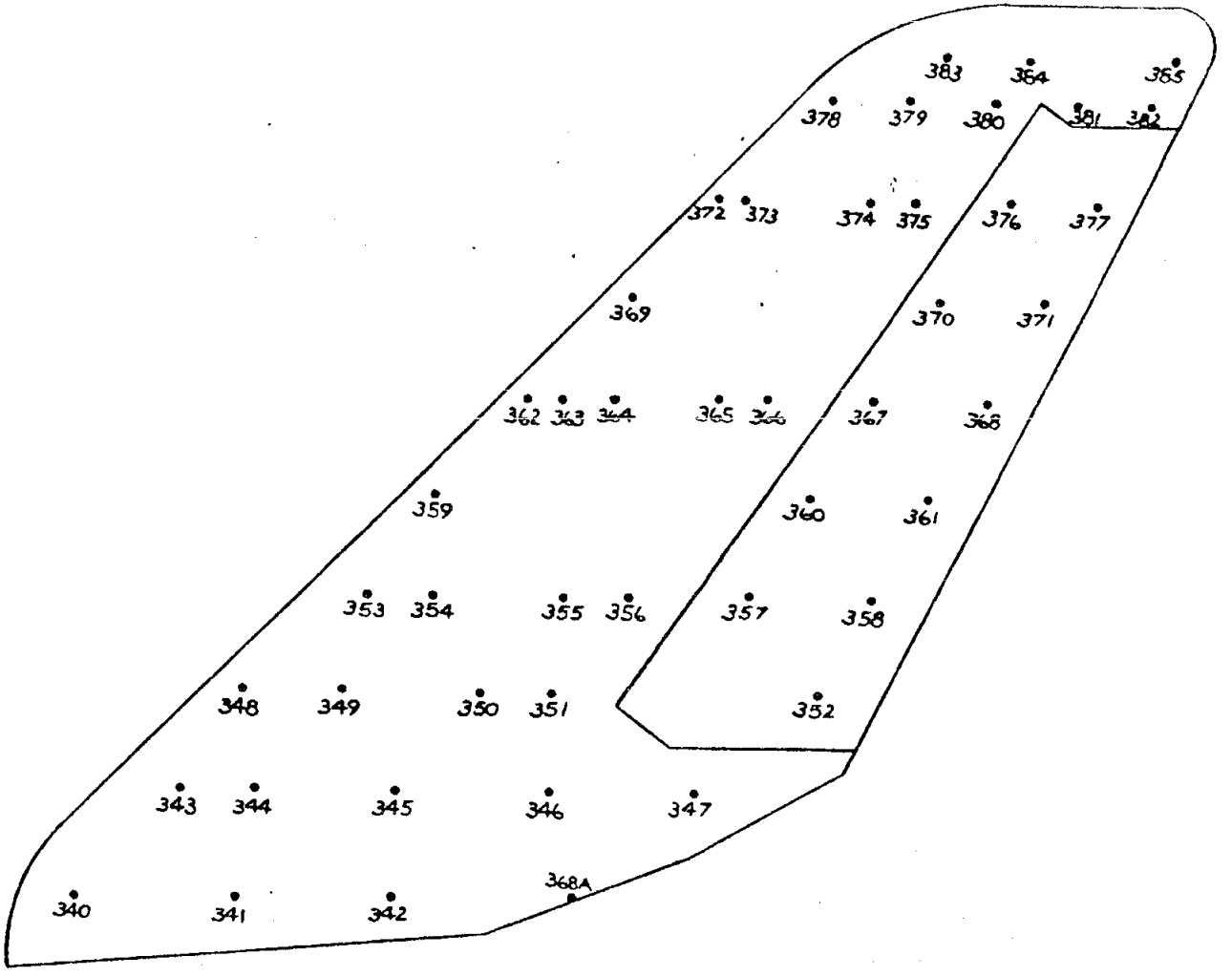
d. OMS Pod

Fig. 7 Continued



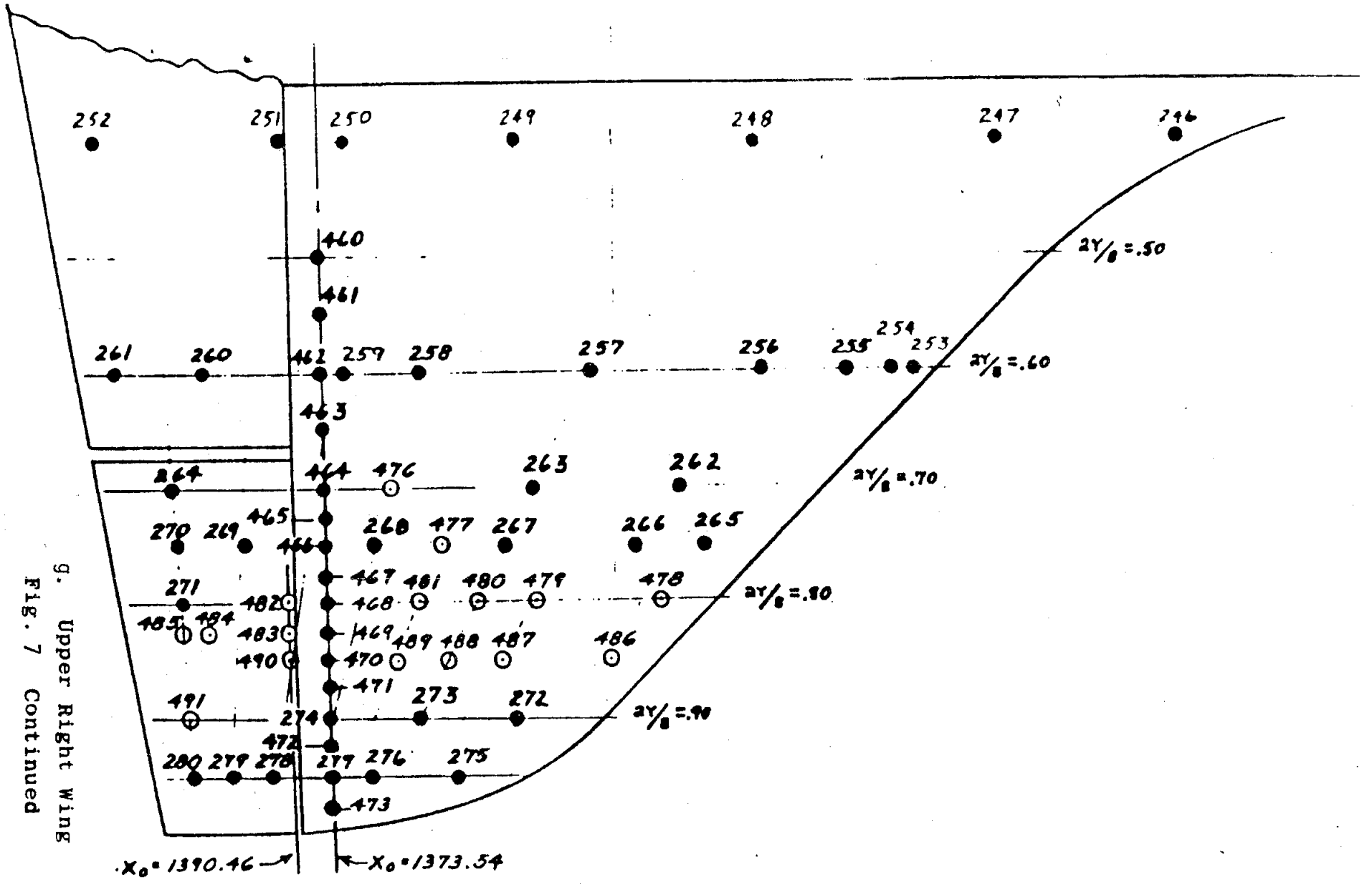
e. Aft Fuselage

Fig. 7 Continued



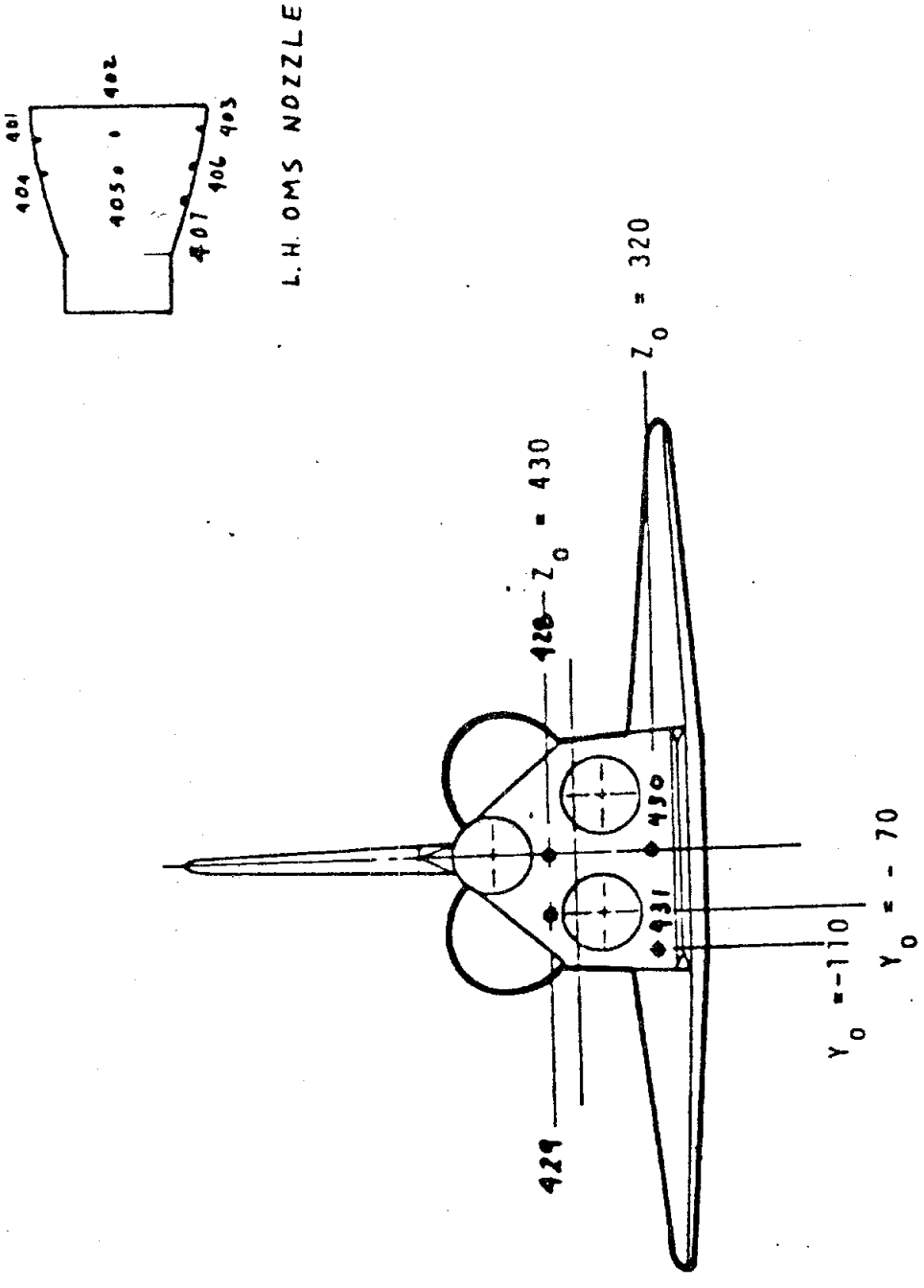
f. Vertical Tail

Fig. 7 Continued



g. Upper Right Wing

Fig. 7 Continued



h. Nozzle Base Plate

Fig. 7 Continued

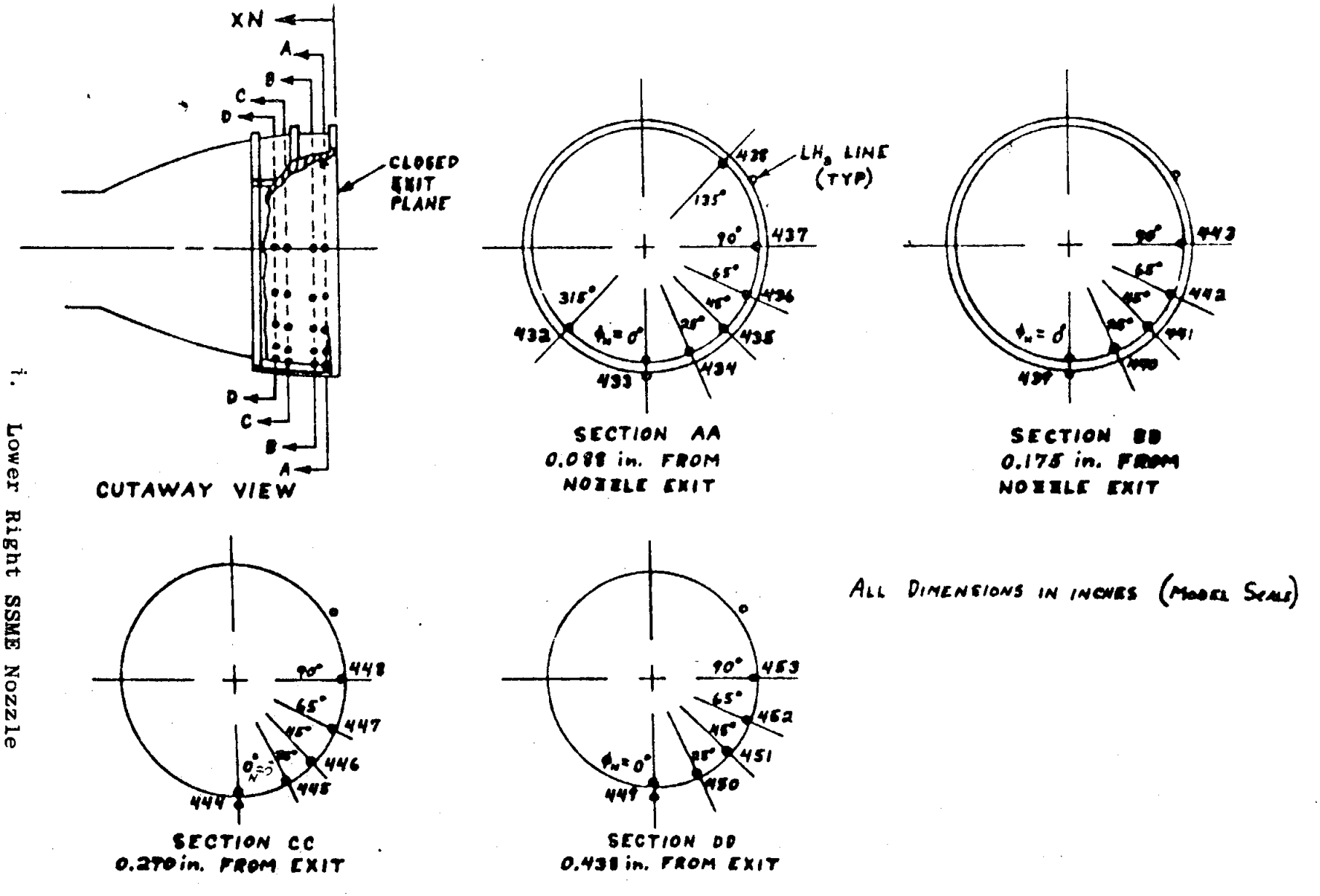


Fig. 7 Concluded

i. Lower Right SSME Nozzle

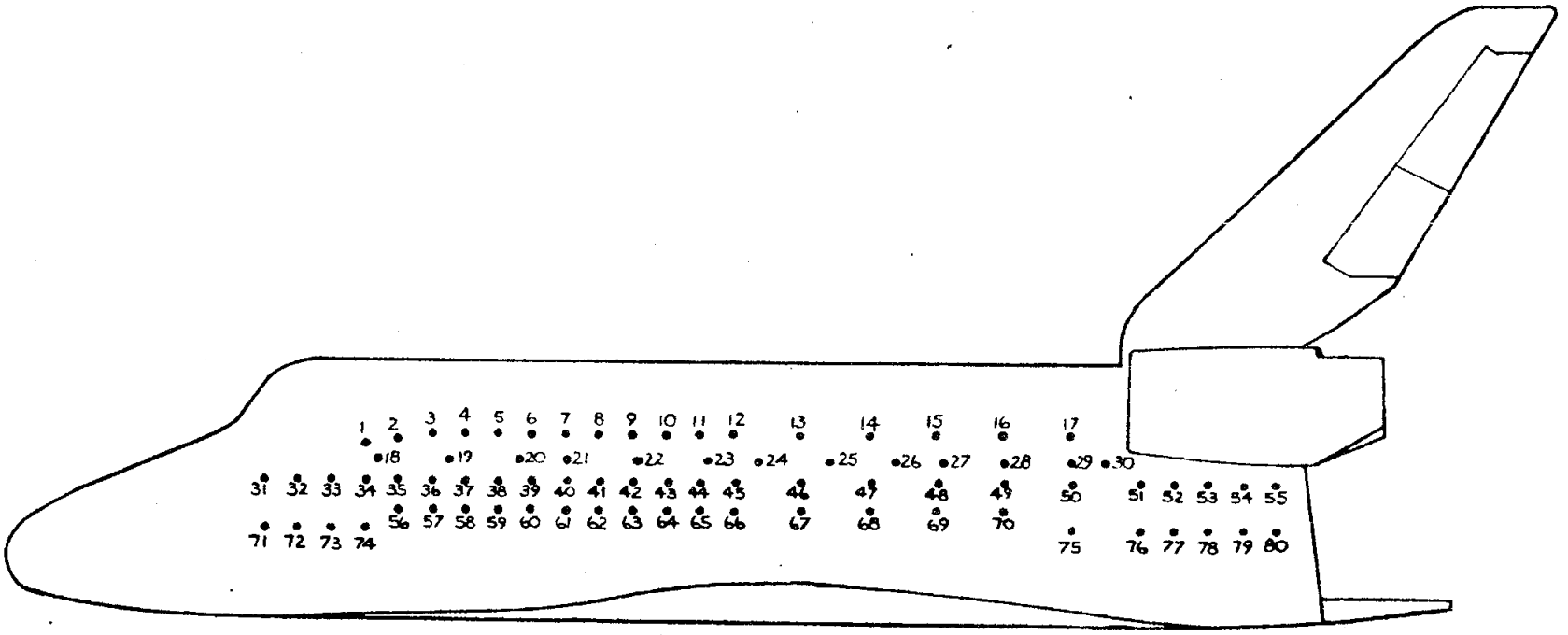
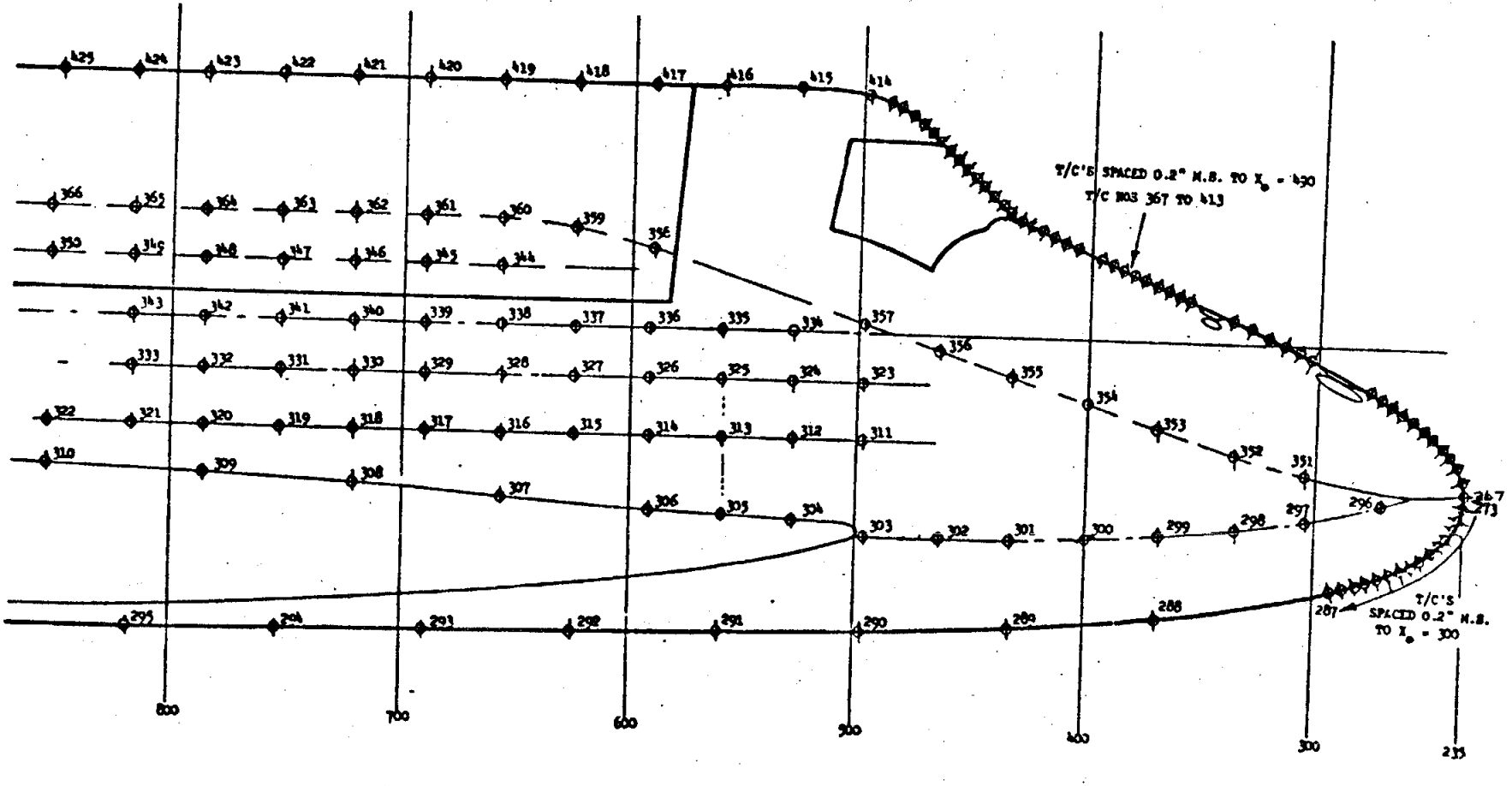
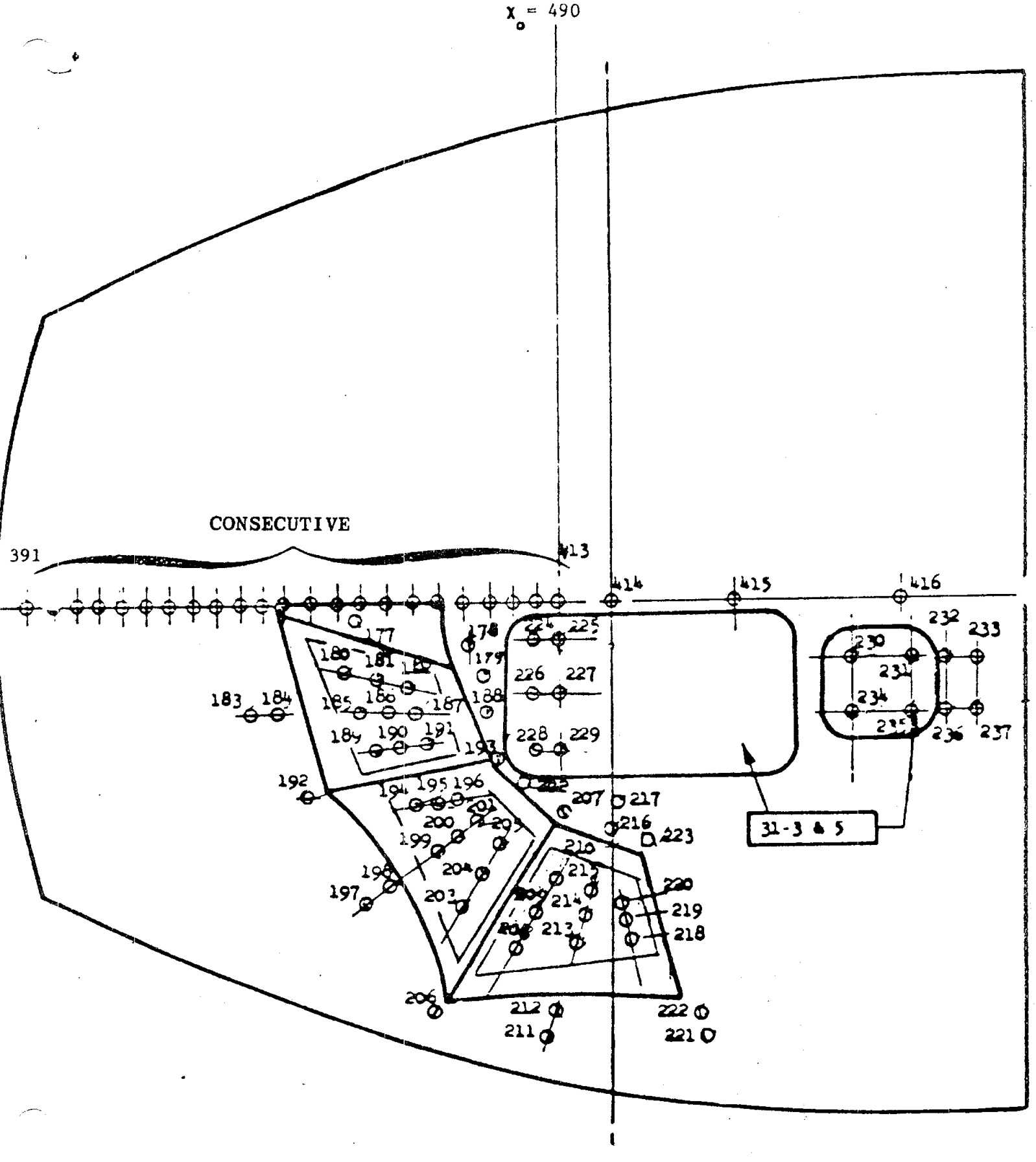


Fig. 8. Thermocouple Locations on 56-Ø Model



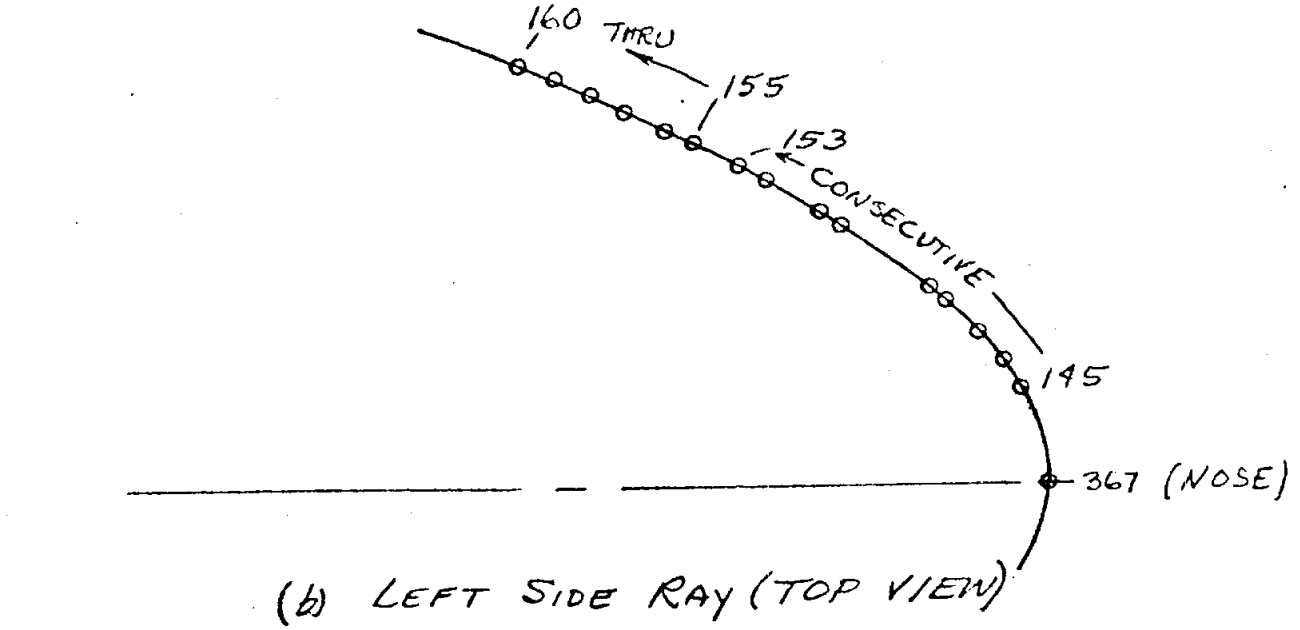
a. T/C Locations on Fuselage Right Side

Fig. 9 Thermocouple Locations on 83-Ø Model

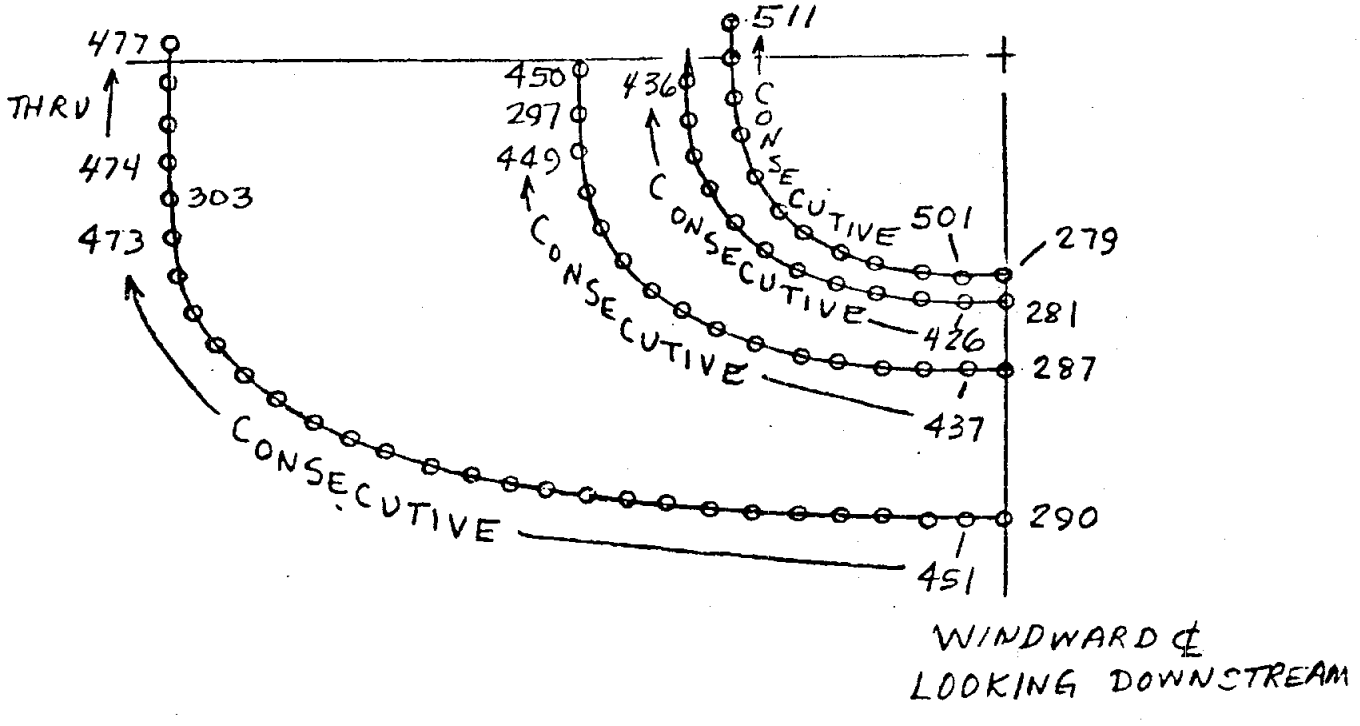


b. Canopy T/C Locations

Fig. 9 Continued

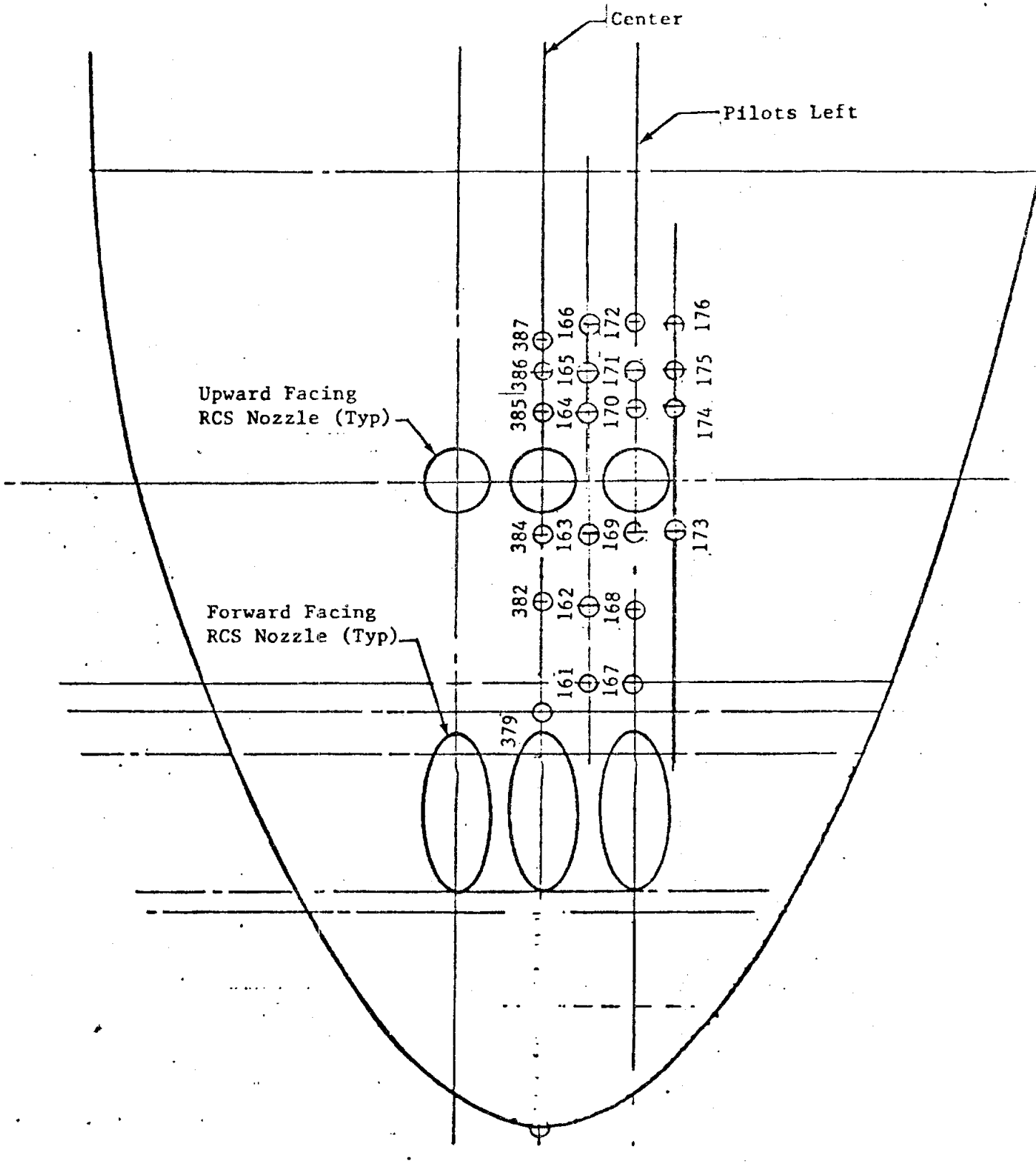


(b) LEFT SIDE RAY (TOP VIEW)



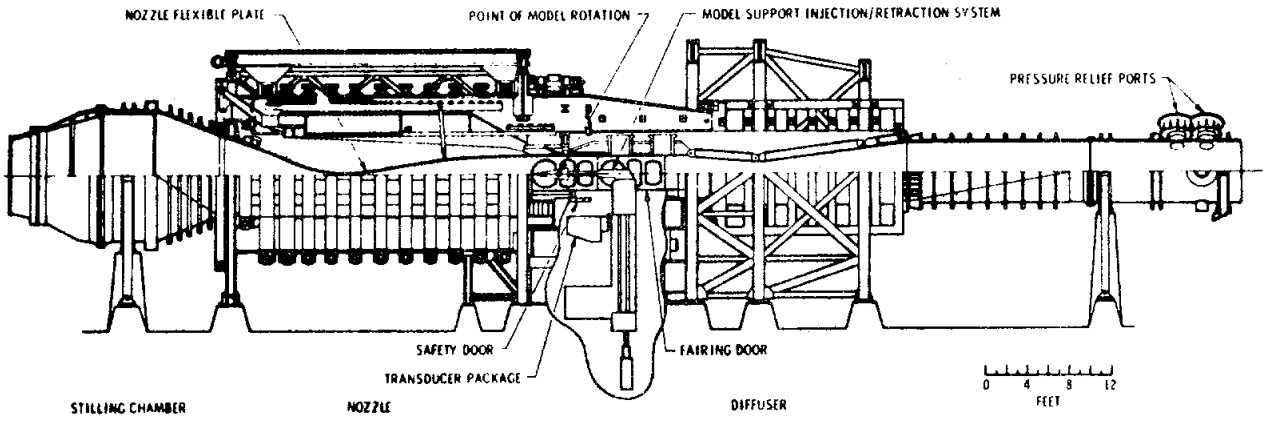
c. Radial Locations

Fig. 9 Continued

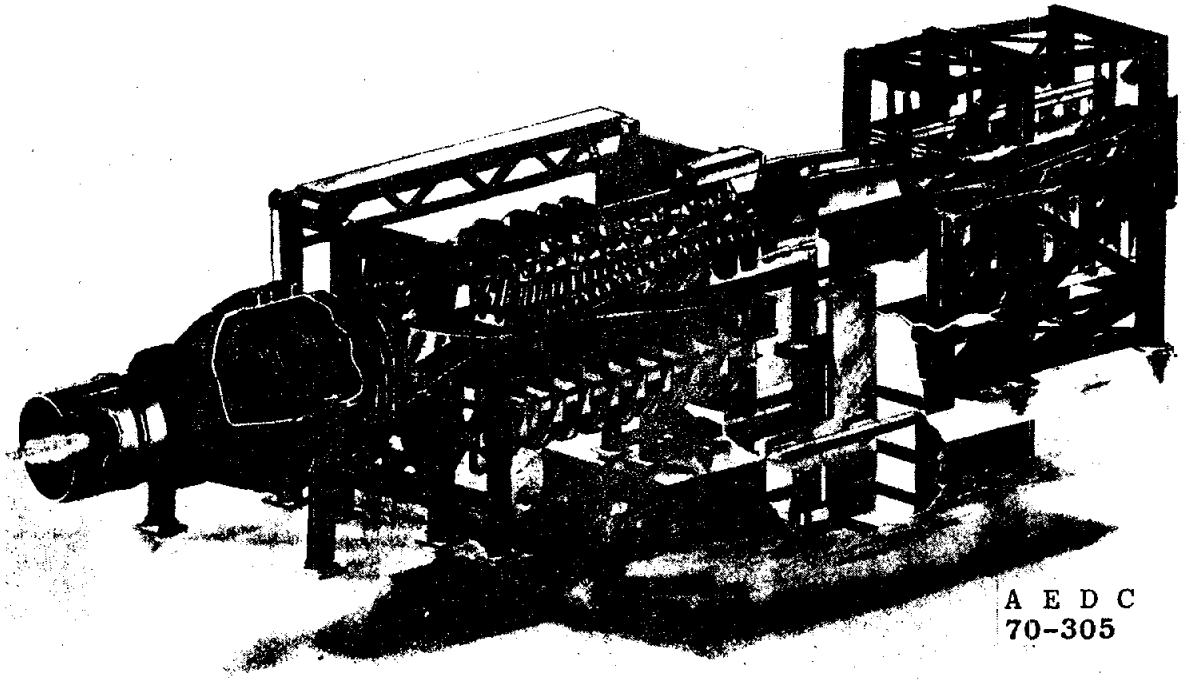


d. Upper Nose T/C Locations

Fig. 9 Concluded

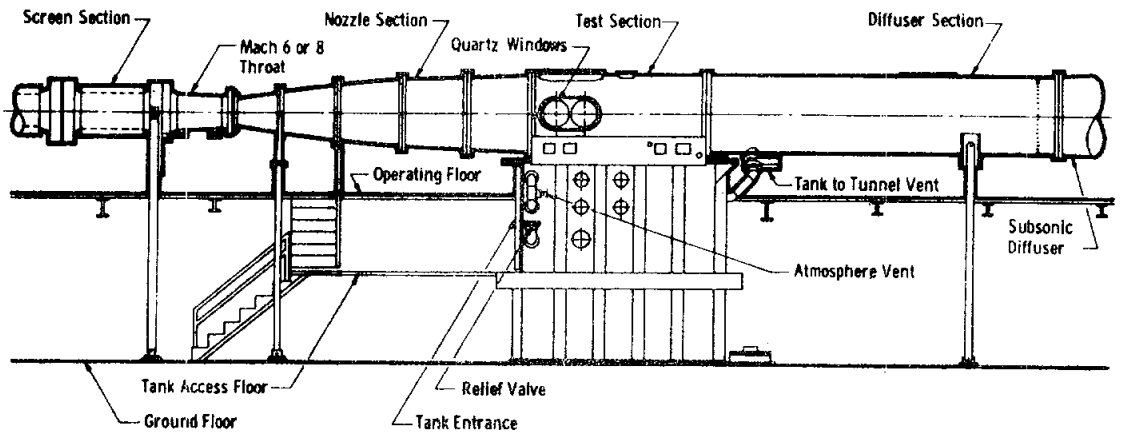


a. Tunnel assembly

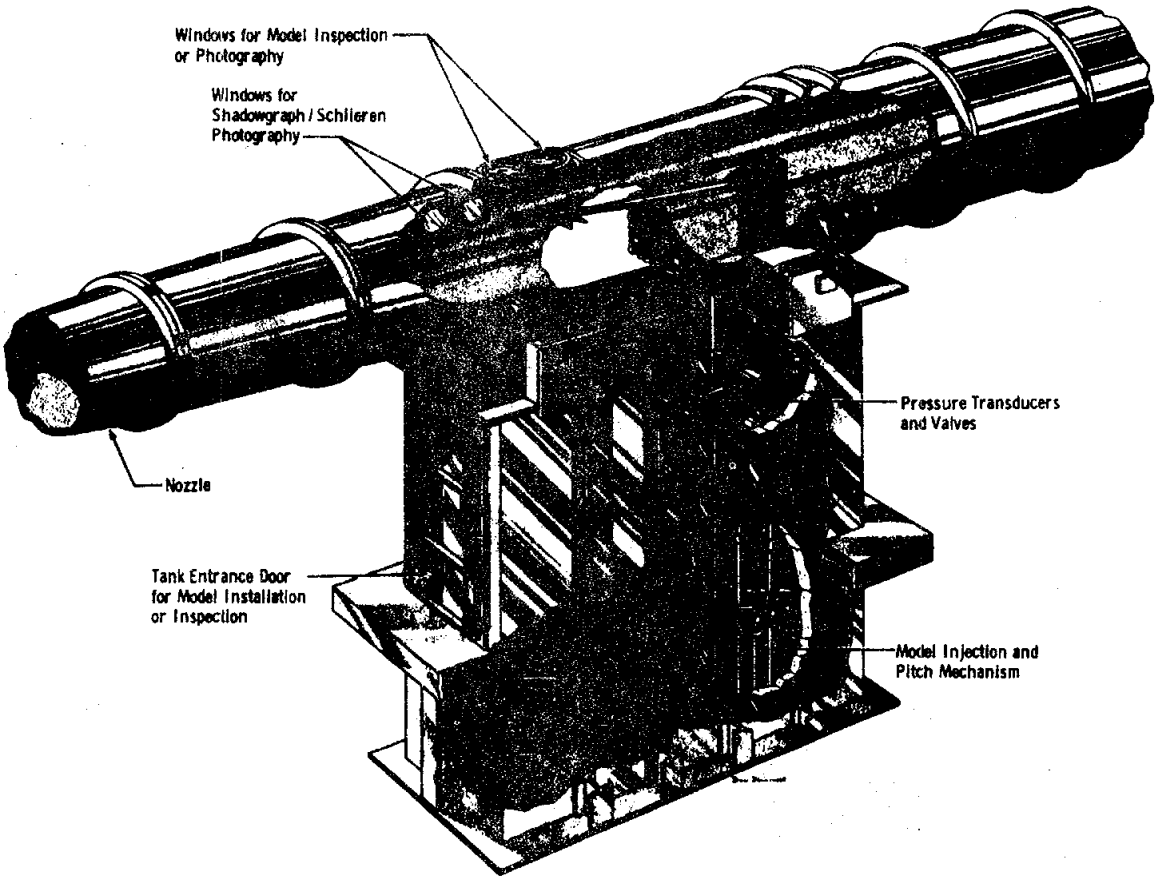


b. Tunnel test section

Fig. 10 Tunnel A



a. Tunnel assembly



b. Tunnel test section

Fig. 11 Tunnel B

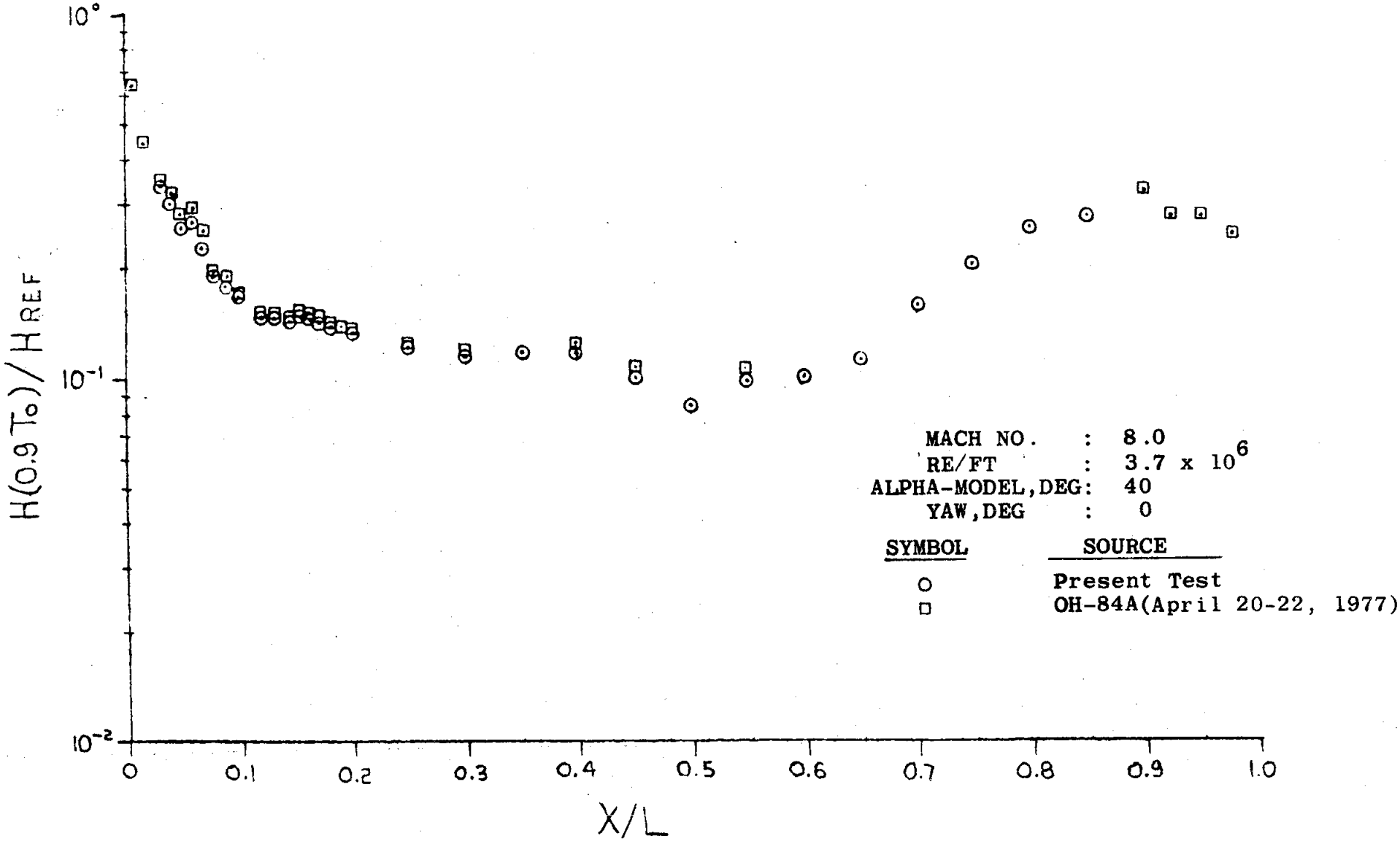


Fig. 12 Comparison of Current and Previous Test Results

APPENDIX

TABULATED SOURCE DATA

MODEL	DATASET 4TH CHARACTER*	COMPONENT DESCRIPTION	TEST IDENTIFICATION OH84B VOL.	OH84B PAGES	OH105 VOL.	OH105 PAGES	IH102 VOL.	IH102 PAGES
60	A	FUSELAGE	1	1-284	5	1-37	6	1-89
	B	FUSELAGE		285-444		38-62		-
	C	FUSELAGE		445-586		63-74		90-122
	D	LOWER NOSE		587-650		75-86		123-155
	E	LOWER NOSE		651-714		87-99		156-188
	F	LOWER MID FUSELAGE		715-778		100-111		-
	G	LOWER AFT FUSELAGE	2	779-874		112-124		-
	H	LOWER ELEVON FUSELAGE		875-970		-		-
	I	AFT FUSELAGE/ELEVON SPLITLINE		971-1126		125-137		189-221
	J	UPPER RH WING		1127-1281		138-149		222-252
	K	LOWER BODY FLAP		1282-1377		150-162		-
	L	BODYFLAP EDGE		1378-1473		163-175		-
	M	VERTICAL TAIL		1474-1535		176-187		253-257
	N	UPPER MID FUSELAGE		1536-1655		188-211		258-320
	O	UPPER RH WING	3	1656-1811		212-223		321-353
	P	WING MISC		1812-1907		224-236		354-386
	Q	WING LOWER SURFACE		1908-2228		237-274		-
	R	WING UPPER SURFACE		2229-2484		275-299		387-450
	S	OMS POD	4	2485-2618		300-323		451-516
	T	VERTICAL TAIL		2619-2752		324-347		550-615
60	U	SPEEDBRAKE CAVITY		2753-2756		-		-
56	V	FUSELAGE		-		-		649-731
60	W	WINDOWS		2757-2820		348-359		616-648
	X	OMS POD		2821-2887		360-371		517-549
	Y	SSME NOZZLE		2888-3079		-		-
60	X	UPPER BODY FLAP		3080-3175		-		-
60	1	ORBITER BASE		3176-3269		-		-
83	2	CCL LINE		-		-		776-785
	3	FUSELAGE		-		-		756-775
	4	PILOT RT (X-SECT)		-		387-414		806-825
	5	TOP CENTERLINE		-		415-443		786-805
	6	MHB LINE		-		444-457		746-755
	7	BOTTOM CENTERLINE		-		458-471		732-745
	8	CANOPY		-		472-501		-
	9	UPPER RCS NOZZLES		-		502-516		-
83	0	ESC HTCH + WINDOWS		-		372-386		-

*1. Some components are collated into separate groups due to different geometric descriptions of the thermocouples groupings.

2. In the tabulated data, the thermocouples numbered ###A appear as 2### and ###C appear as 1###.

IH102 60-0 FUSELAGE (R4WA21)

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BUFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
547	3.518	3.010	-40.01	.0000	33.91	703.7	252.0	.9094	5.768	2342.	.9740-02	.2015-06
548	3.516	3.010	-40.08	-.2464-02	33.95	703.7	252.4	.9105	5.775	2344.	.9738-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
547	.5324-01	.9699-02
548	.5329-01	.9702-02

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
547	.00000	.20000-01	4.0000	.2698-01	.3368-01	.3516-01	.9415	.1437-02	.1872-02	.2560	1.436	530.5
547	.00000	.50000-01	7.0000	.1771-01	.2209-01	.2165-01	.9541	.9430-03	.1153-02	.1687	1.147	529.8
548	20.000	.10000+00	207.00	.2155-02	.2658-02	.2858-02	.9500	.1148-03	.1417-03	.2153-01	.1277	522.2
548	20.000	.15000	211.00	.5889-02	.7252-02	.7252-02	.9500	.3138-03	.3865-03	.5922-01	.3814	521.0
548	22.000	.50000-01	202.00	.1233-01	.1525-01	.1525-01	.9500	.6569-03	.8125-03	.1217	.6847	524.4
548	31.500	.20000	215.00	.2255-03	.2795-03	.2795-03	.9500	.1201-04	.1490-04	.2203-02	.2251-01	526.3
548	35.000	.50000-01	203.00	.8268-01	.1041	.1041	.9500	.4406-02	.5550-02	.7584	4.843	537.5
548	35.000	.20000	216.00	.3554-02	.4412-02	.4412-02	.9500	.1894-03	.2351-03	.3458-01	.3532	527.1
548	39.000	.10000+00	209.00	.4363-01	.5449-01	.5449-01	.9500	.2325-02	.2904-02	.4138	2.650	531.7
548	40.000	.15000	213.00	.1254-02	.1550-02	.1550-02	.9500	.6681-04	.8260-04	.1240-01	.9300-01	524.1
548	42.500	.50000-01	204.00	.1185	.1509	.1509	.9500	.6314-02	.8043-02	1.042	7.030	544.7
548	60.000	.50000-01	205.00	.2844	.3773	.3773	.9500	.1515-01	.2011-01	2.183	14.58	565.6
548	67.500	.20000	219.00	.1527-01	.1920-01	.1920-01	.9500	.8138-03	.1023-02	.1412	1.053	536.2
548	96.500	.20000	1220.0	.4533-01	.5691-01	.5691-01	.9500	.2416-02	.3033-02	.4212	3.040	535.3
548	114.00	.40000	388.00	.4610-01	.5794-01	.5794-01	.9500	.2457-02	.3088-02	.4266	3.078	536.0
548	114.00	.45000	389.00	.1364	.1712	.1712	.9500	.7270-02	.9122-02	1.271	8.620	534.9
548	114.00	.50000	390.00	.1798	.2287	.2287	.9500	.9584-02	.1219-01	1.592	9.856	543.5
548	114.00	.55000	391.00	.1476	.1906	.1906	.9500	.7865-02	.1016-01	1.238	7.959	552.3
548	114.00	.60000	392.00	.1507	.1962	.1962	.9500	.8032-02	.1045-01	1.230	8.129	556.5

IH102 60-0 FUSELAGE (R4WA21)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
548	114.00	.65000	393.00	.1680	.2211	.2211	.9500	.8955-02	.1178-01	1.323	8.468	561.9
548	114.00	.70000	394.00	.1615	.2157	.2157	.9500	.8605-02	.1150-01	1.214	7.858	568.6
548	114.00	.75000	395.00	.1939	.2591	.2591	.9500	.1034-01	.1381-01	1.458	8.915	568.6
548	114.00	.80000	396.00	.1421	.1918	.1918	.9500	.7572-02	.1022-01	1.037	6.696	572.7
548	119.00	.10000+00	210.00	.2515	.3400	.3400	.9500	.1340-01	.1812-01	1.826	10.83	573.4
548	157.50	.40000	223.00	.3156	.4301	.4301	.9500	.1682-01	.2292-01	2.242	14.45	576.4
548	157.50	.45000	224.00	.3036	.4106	.4106	.9500	.1618-01	.2188-01	2.204	14.23	573.5
548	157.50	.50000	225.00	.2558	.3444	.3444	.9500	.1363-01	.1835-01	1.881	12.16	571.7
548	157.50	.55000	226.00	.2042	.2752	.2752	.9500	.1088-01	.1467-01	1.496	9.388	572.2
547	157.50	.60000	227.00	.9552-01	.1307	.1307	.9500	.5086-02	.6957-02	.6701	4.319	576.9
548	157.50	.65000	228.00	.1632	.2262	.2262	.9500	.8695-02	.1205-01	1.107	7.446	582.3
548	157.50	.70000	229.00	.1463	.2054	.2054	.9500	.7799-02	.1095-01	.9622	6.996	586.3
548	157.50	.75000	230.00	.1398	.1960	.1960	.9500	.7451-02	.1045-01	.9223	6.707	585.9
547	180.00	.10000-01	169.00	.6670	1.017	1.017	.9500	.3551-01	.5417-01	3.654	23.92	605.8
547	180.00	.25000-01	170.00	.4518	.6437	.6437	.9500	.2406-01	.3428-01	2.859	20.08	589.8
547	180.00	.50000-01	171.00	.3698	.5082	.5082	.9500	.1969-01	.2706-01	2.563	16.03	578.5
547	180.00	.10000+00	173.00	.2446	.3267	.3267	.9500	.1302-01	.1740-01	1.836	11.89	567.7
547	180.00	.12500	174.00	.2321	.3142	.3142	.9500	.1236-01	.1673-01	1.676	11.50	573.0
547	180.00	.15000	175.00	.3320	.4749	.4749	.9500	.1768-01	.2529-01	2.082	14.16	590.9
547	180.00	.16000	176.00	.4837	.7126	.7126	.9500	.2575-01	.3794-01	2.841	15.40	598.4
547	180.00	.17000	177.00	.4184	.5979	.5979	.9500	.2228-01	.3183-01	2.629	14.30	590.7
547	180.00	.18000	178.00	.2874	.4056	.4056	.9500	.1530-01	.2160-01	1.861	12.30	587.1
547	180.00	.20000	179.00	.1788	.2318	.2318	.9500	.9521-02	.1234-01	1.476	9.087	553.7
547	180.00	.40000	182.00	.4801-01	.6665-01	.6665-01	.9500	.2556-02	.3549-02	.3239	2.723	582.0
547	180.00	.45000	183.00	.6511-01	.9073-01	.9073-01	.9500	.3467-02	.4831-02	.4350	3.655	583.2
547	180.00	.50000	184.00	.4872-01	.6805-01	.6805-01	.9500	.2594-02	.3623-02	.3235	2.826	583.9
547	180.00	.55000	185.00	.6140-01	.8578-01	.8578-01	.9500	.3269-02	.4567-02	.4077	3.424	584.0
547	180.00	.60000	186.00	.4642-01	.6523-01	.6523-01	.9500	.2471-02	.3473-02	.3036	2.649	585.8
547	180.00	.65000	187.00	.2942-01	.4198-01	.4198-01	.9500	.1567-02	.2235-02	.1856	1.684	590.2
547	180.00	.70000	188.00	.4778-01	.6869-01	.6869-01	.9500	.2544-02	.3657-02	.2962	2.577	592.2
547	180.00	.75000	189.00	.3106-01	.4508-01	.4508-01	.9500	.1654-02	.2400-02	.1885	1.605	594.7
547	180.00	.80000	190.00	.3876	.6523	.6523	.9500	.2064-01	.3473-01	1.802	16.79	621.4
548	315.00	.40000	234.00	.2198	.2930	.2930	.9500	.1171-01	.1562-01	1.662	12.20	567.7
548	315.00	.45000	235.00	.2182	.2894	.2894	.9500	.1163-01	.1542-01	1.677	12.32	565.5
548	315.00	.50000	236.00	.2354	.3081	.3081	.9500	.1255-01	.1642-01	1.888	11.60	559.2
548	315.00	.55000	237.00	.2377	.3125	.3125	.9500	.1267-01	.1665-01	1.879	11.85	561.4
548	315.00	.60000	238.00	.1808	.2397	.2397	.9500	.9637-02	.1277-01	1.393	9.907	565.1
548	315.00	.65000	239.00	.1400	.1875	.1875	.9500	.7462-02	.9993-02	1.045	7.183	569.6
548	315.00	.70000	240.00	.1295	.1759	.1759	.9500	.6902-02	.9376-02	.9279	6.784	575.2
548	315.00	.75000	241.00	.1293	.1764	.1764	.9500	.6893-02	.9398-02	.9173	6.283	576.6
548	315.00	.80000	242.00	.3419	.5049	.5049	.9500	.1822-01	.2691-01	2.002	13.55	599.8

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
529	3.505	3.010	-14.45	-.4991-02	33.85	709.7	252.4	.9077	5.757	2344.	.9707-02	.2018-06
530	3.504	3.010	-14.45	.0000	33.84	709.7	252.4	.9075	5.756	2344.	.9706-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
529	.5321-01	.9717-02
530	.5320-01	.9718-02

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTHDT DEG. R /SEC	TW DEG. R
529	.00000	.20000-01	4.0000	.1082	.1350	.1450	.9361	.5755-02	.7716-02	1.027	5.755	531.3
529	.00000	.50000-01	7.0000	.3084-01	.3783-01	.4067-01	.9346	.1041-02	.2164-02	.3151	2.156	517.6
530	20.000	.10000+00	207.00	.1834-01	.2279-01	.2279-01	.9500	.9752-03	.1213-02	.1774	1.049	527.9
530	20.000	.15000	211.00	.7553-02	.9354-02	.9354-02	.9500	.4019-03	.4976-03	.7409-01	.4761	525.3
530	22.000	.50000-01	202.00	.6140-01	.7740-01	.7740-01	.9500	.3267-02	.4118-02	.5608	3.133	538.0
530	24.500	.10000+00	208.00	.2217-01	.2765-01	.2765-01	.9500	.1179-02	.1471-02	.2112	1.354	530.6
530	25.500	.15000	212.00	.4586-02	.5692-02	.5692-02	.9500	.2440-03	.3028-03	.4456-01	.4005	527.1
530	31.500	.20000	215.00	.2693-02	.3335-02	.3335-02	.9500	.1433-03	.1774-03	.2640-01	.2699	525.4
530	35.000	.50000-01	203.00	.8528-01	.1096	.1096	.9500	.4537-02	.5830-02	.7262	4.609	549.6
530	35.000	.20000	216.00	.2842-02	.3522-02	.3522-02	.9500	.1512-03	.1874-03	.2778-01	.2839	525.9
530	39.000	.10000+00	209.00	.4898-01	.6248-01	.6248-01	.9500	.2606-02	.3324-02	.4282	2.724	545.4
530	40.000	.15000	213.00	.1259-01	.1577-01	.1577-01	.9500	.6699-03	.8393-03	.1178	.8796	533.8
530	40.000	.20000	217.00	.3952-02	.4912-02	.4912-02	.9500	.2102-03	.2613-03	.3816-01	.4285	528.2
530	42.500	.50000-01	204.00	.1303	.1727	.1727	.9500	.6930-02	.9188-02	1.001	6.683	565.3
530	45.500	.15000	214.00	.2349-01	.2975-01	.2975-01	.9500	.1250-02	.1583-02	.2106	1.237	541.1
530	51.000	.20000	218.00	.2708-01	.3448-01	.3448-01	.9500	.1440-02	.1834-02	.2380	1.515	544.4
530	60.000	.50000-01	205.00	.1963	.2763	.2763	.9500	.1044-01	.1470-01	1.279	8.452	587.2
530	67.500	.20000	219.00	.6162-01	.8196-01	.8196-01	.9500	.3278-02	.4361-02	.4686	3.441	566.7
530	96.500	.20000	1220.0	.7945-01	.1047	.1047	.9500	.4227-02	.5573-02	.6211	4.422	562.7

IH102 60-0 FUSELAGE

(R4WA22)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R="AW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
530	114.00	.40000	388.00	.4223-01	.5373-01	.5373-01	.9500	.2247-02	.2859-02	.3727	2.678	543.8
530	114.00	.45000	389.00	.4186-01	.5271-01	.5271-01	.9500	.2227-02	.2804-02	.3841	2.602	537.2
530	114.00	.50000	390.00	.4131-01	.5190-01	.5190-01	.9500	.2198-02	.2761-02	.3823	2.376	535.7
530	114.00	.55000	391.00	.4528-01	.5784-01	.5784-01	.9500	.2409-02	.3077-02	.3934	2.538	546.3
530	114.00	.60000	392.00	.5109-01	.6619-01	.6619-01	.9500	.2718-02	.3522-02	.4227	2.797	554.2
530	114.00	.65000	393.00	.5714-01	.7507-01	.7507-01	.9500	.3040-02	.3994-02	.4516	2.892	561.1
530	114.00	.70000	394.00	.6054-01	.8027-01	.8027-01	.9500	.3221-02	.4271-02	.4650	3.015	565.3
530	114.00	.75000	395.00	.5898-01	.7746-01	.7746-01	.9500	.3138-02	.4121-02	.4666	2.863	561.0
530	114.00	.80000	396.00	.1086	.1496	.1496	.9500	.5777-02	.7957-02	.7482	4.815	580.2
530	119.00	.10000+00	210.00	.1278	.1710	.1710	.9500	.6798-02	.9099-02	.9540	5.671	569.3
530	157.50	.40000	223.00	.1022	.1387	.1387	.9500	.5439-02	.7380-02	.7338	4.735	574.8
530	157.50	.45000	224.00	.1006	.1344	.1344	.9500	.5355-02	.7151-02	.7563	4.895	568.4
530	157.50	.50000	225.00	.9206-01	.1224	.1224	.9500	.4898-02	.6513-02	.7010	4.542	566.6
529	157.50	.55000	226.00	.9020-01	.1206	.1206	.9500	.4799-02	.6416-02	.6755	4.246	568.9
530	157.50	.60000	227.00	.8264-01	.1089	.1089	.9500	.4397-02	.5793-02	.6474	4.203	562.4
530	157.50	.65000	228.00	.7227-01	.9828-01	.9828-01	.9500	.3845-02	.5229-02	.5154	3.477	575.6
530	157.50	.70000	229.00	.6523-01	.8897-01	.8897-01	.9500	.3470-02	.4734-02	.4614	3.371	576.7
530	157.50	.75000	230.00	.6547-01	.8959-01	.8959-01	.9500	.3483-02	.4766-02	.4593	3.353	577.8
530	157.50	.80000	231.00	.1043	.1488	.1488	.9500	.5548-02	.7917-02	.6578	4.473	591.1
529	180.00	.10000-01	169.00	.4776	.8036	.8036	.9500	.2541-01	.4276-01	2.223	14.44	622.2
529	180.00	.25000-01	170.00	.3083	.4406	.4406	.9500	.1641-01	.2344-01	1.939	13.61	591.5
529	180.00	.50000-01	171.00	.2240	.3001	.3001	.9500	.1192-01	.1597-01	1.667	10.47	569.8
529	180.00	.75000-01	172.00	.1651	.2144	.2144	.9500	.8787-02	.1141-01	1.357	8.592	555.2
529	180.00	.10000+00	173.00	.1239	.1601	.1601	.9500	.6592-02	.8521-02	1.034	6.742	552.9
529	180.00	.12500	174.00	.1046	.1358	.1358	.9500	.5563-02	.7224-02	.8589	5.946	555.3
529	180.00	.15000	175.00	.3347	.5142	.5142	.9500	.1781-01	.2736-01	1.810	12.21	608.0
529	180.00	.16000	176.00	.6823	1.510	1.510	.9500	.3631-01	.8036-01	2.350	12.45	644.9
529	180.00	.17000	177.00	.7209	1.438	1.438	.9500	.3836-01	.7652-01	2.729	14.51	638.5
529	180.00	.18000	178.00	.4431	.7760	.7760	.9500	.2358-01	.4129-01	1.950	12.64	627.0
529	180.00	.20000	179.00	.1392	.1800	.1800	.9500	.7406-02	.9578-02	1.159	7.141	553.2
529	180.00	.40000	182.00	.9834-01	.1281	.1281	.9500	.5232-02	.6816-02	.7991	6.803	556.9
529	180.00	.45000	183.00	.1030	.1333	.1333	.9500	.5480-02	.7094-02	.8547	7.288	553.7
529	180.00	.50000	184.00	.8887-01	.1147	.1147	.9500	.4729-02	.6105-02	.7441	6.603	552.3
529	180.00	.55000	185.00	.8882-01	.1151	.1151	.9500	.4726-02	.6125-02	.7341	6.257	554.3
529	180.00	.60000	186.00	.7956-01	.1038	.1038	.9500	.4233-02	.5522-02	.6433	5.693	557.7
529	180.00	.65000	187.00	.7386-01	.9711-01	.9711-01	.9500	.3930-02	.5167-02	.5825	5.360	561.4
529	180.00	.70000	188.00	.7744-01	.1020	.1020	.9500	.4120-02	.5428-02	.6069	5.359	562.4
529	180.00	.75000	189.00	.7522-01	.9938-01	.9938-01	.9500	.4002-02	.5288-02	.5840	5.052	563.7
529	180.00	.80000	190.00	.8721-01	.1187	.1187	.9500	.4640-02	.6316-02	.6207	5.917	575.9
530	315.00	.40000	234.00	.7533-01	.1001	.1001	.9500	.4008-02	.5328-02	.5740	4.215	566.5
530	315.00	.45000	235.00	.7323-01	.9663-01	.9663-01	.9500	.3896-02	.5141-02	.5709	4.199	563.1
530	315.00	.50000	236.00	.8011-01	.1045	.1045	.9500	.4262-02	.5562-02	.6472	3.978	557.8
530	315.00	.55000	237.00	.7549-01	.9918-01	.9918-01	.9500	.4016-02	.5277-02	.5965	3.764	561.1

IH102 60-0 FUSELAGE (R4WA22)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
530	315.00	.60000	238.00	.6333-01	.8397-01	.8397-01	.9500	.3369-02	.4467-02	.4863	3.458	565.3
530	315.00	.65000	239.00	.6224-01	.8318-01	.8318-01	.9500	.3311-02	.4425-02	.4669	3.210	568.7
530	315.00	.70000	240.00	.5801-01	.7781-01	.7781-01	.9500	.3086-02	.4139-02	.4304	3.155	570.2
530	315.00	.75000	241.00	.6608-01	.8898-01	.8898-01	.9500	.3516-02	.4734-02	.4847	3.328	571.8
530	315.00	.80000	242.00	.1219	.1783	.1783	.9500	.6485-02	.9486-02	.7274	4.931	597.5

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
526	3.506	3.010	.5162-02	-14.47	33.86	709.7	252.4	.9082	5.760	2344.	.9713-02	.2018-06
527	3.499	3.010	.5111-02	-14.34	33.79	709.7	252.4	.9062	5.747	2344.	.9692-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
526	.5322-01	.9714-02
527	.5316-01	.9725-02

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
526	.00000	.20000-01	4.0000	.1855	.2361	.2391	.9476	.9873-02	.1273-01	1.636	9.114	543.9
526	.00000	.50000-01	7.0000	.6315-01	.7827-01	.8311-01	.9379	.3361-02	.4423-02	.6173	4.206	526.0
527	20.000	.10000+00	207.00	.6224-01	.7949-01	.7949-01	.9500	.3309-02	.4226-02	.5411	3.169	546.2
527	20.000	.15000	211.00	.2976-01	.3757-01	.3757-01	.9500	.1582-02	.1997-02	.2701	1.724	539.0
527	22.000	.50000-01	202.00	.1365	.1793	.1793	.9500	.7258-02	.9530-02	1.080	5.966	560.8
527	24.500	.10000+00	208.00	.7581-01	.9836-01	.9836-01	.9500	.4030-02	.5229-02	.6238	3.949	554.9
527	25.500	.15000	212.00	.3266-01	.4197-01	.4197-01	.9500	.1737-02	.2231-02	.2780	2.470	549.6
527	31.500	.20000	215.00	.2122-01	.2700-01	.2700-01	.9500	.1128-02	.1435-02	.1870	1.894	543.9
527	35.000	.50000-01	203.00	.1670	.2295	.2295	.9500	.8879-02	.1220-01	1.157	7.238	579.3
527	35.000	.20000	216.00	.2504-01	.3197-01	.3197-01	.9500	.1331-02	.1700-02	.2178	2.203	546.1
527	39.000	.10000+00	209.00	.1102	.1484	.1484	.9500	.5857-02	.7892-02	.8061	5.059	572.0
527	40.000	.15000	213.00	.5681-01	.7500-01	.7500-01	.9500	.3020-02	.3987-02	.4419	3.250	563.3
527	40.000	.20000	217.00	.2640-01	.3404-01	.3404-01	.9500	.1403-02	.1810-02	.2218	2.461	551.6
527	42.500	.50000-01	204.00	.1985	.2781	.2781	.9500	.1055-01	.1478-01	1.308	8.651	585.7
527	45.500	.15000	214.00	.6687-01	.8850-01	.8850-01	.9500	.3555-02	.4705-02	.5161	2.995	564.5
527	51.000	.20000	218.00	.4936-01	.6428-01	.6428-01	.9500	.2624-02	.3418-02	.4011	2.536	556.8
527	60.000	.50000-01	205.00	.1935	.2697	.2697	.9500	.1029-01	.1434-01	1.292	8.547	584.1
527	67.500	.20000	219.00	.3428-01	.4452-01	.4452-01	.9500	.1823-02	.2367-02	.2812	2.076	555.4
527	96.500	.20000	1220.0	.5832-01	.7742-01	.7742-01	.9500	.3100-02	.4116-02	.4459	3.169	565.9

IH102 60-0 FUSELAGE (R4WA23)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
527	114.00	.40000	388.00	.8438-01	.1145	.1145	.9500	.4486-02	.6088-02	.6051	4.282	574.8
527	114.00	.45000	389.00	.9367-01	.1255	.1255	.9500	.4980-02	.6670-02	.6975	4.649	569.6
527	114.00	.50000	390.00	.9525-01	.1254	.1254	.9500	.5064-02	.6667-02	.7471	4.581	562.1
527	114.00	.55000	391.00	.8487-01	.1122	.1122	.9500	.4512-02	.5965-02	.6574	4.203	564.0
527	114.00	.60000	392.00	.7475-01	.9906-01	.9906-01	.9500	.3974-02	.5266-02	.5746	3.781	565.1
527	114.00	.65000	393.00	.6692-01	.8833-01	.8833-01	.9500	.3558-02	.4696-02	.5206	3.329	563.3
527	114.00	.70000	394.00	.6354-01	.8414-01	.8414-01	.9500	.3378-02	.4473-02	.4898	3.176	564.7
527	114.00	.75000	395.00	.5691-01	.7427-01	.7427-01	.9500	.3026-02	.3948-02	.4595	2.824	557.8
527	114.00	.80000	396.00	.8204-01	.1092	.1092	.9500	.4362-02	.5803-02	.6229	4.035	566.8
527	119.00	.10000+00	210.00	.1051	.1378	.1378	.9500	.5589-02	.7325-02	.8368	4.998	559.9
527	157.50	.40000	223.00	.5485-01	.6968-01	.6968-01	.9500	.2916-02	.3704-02	.4864	3.189	542.9
527	157.50	.45000	224.00	.5513-01	.6952-01	.6952-01	.9500	.2931-02	.3696-02	.5024	3.302	538.3
527	157.50	.50000	225.00	.5491-01	.6941-01	.6941-01	.9500	.2919-02	.3690-02	.4959	3.256	539.8
527	157.50	.55000	226.00	.5509-01	.7012-01	.7012-01	.9500	.2929-02	.3728-02	.4847	3.085	544.2
526	157.50	.60000	227.00	.4991-01	.6309-01	.6309-01	.9500	.2656-02	.3358-02	.4510	2.962	539.9
527	157.50	.65000	228.00	.4449-01	.5725-01	.5725-01	.9500	.2365-02	.3044-02	.3765	2.572	550.5
527	157.50	.70000	229.00	.3863-01	.4978-01	.4978-01	.9500	.2054-02	.2647-02	.3251	2.406	551.3
527	157.50	.75000	230.00	.3671-01	.4727-01	.4727-01	.9500	.1952-02	.2513-02	.3100	2.294	550.9
527	157.50	.80000	231.00	.7110-01	.9413-01	.9413-01	.9500	.3780-02	.5004-02	.5482	3.777	564.7
526	180.00	.10000-01	169.00	.3972	.5902	.5902	.9500	.2114-01	.3141-01	2.293	15.05	601.2
526	180.00	.25000-01	170.00	.2219	.2949	.2949	.9500	.1181-01	.1569-01	1.692	12.02	566.4
526	180.00	.50000-01	171.00	.1451	.1855	.1855	.9500	.7723-02	.9875-02	1.257	7.992	546.8
526	180.00	.75000-01	172.00	.1034	.1298	.1298	.9500	.5502-02	.6909-02	.9589	6.130	535.4
526	180.00	.10000+00	173.00	.7910-01	.9920-01	.9920-01	.9500	.4210-02	.5280-02	.7369	4.852	534.6
526	180.00	.12500	174.00	.6749-01	.8485-01	.8485-01	.9500	.3592-02	.4516-02	.6231	4.355	536.2
526	180.00	.15000	175.00	.2504	.3446	.3446	.9500	.1333-01	.1834-01	1.731	11.84	579.8
526	180.00	.16000	176.00	.4286	.6536	.6536	.9500	.2281-01	.3479-01	2.352	12.70	606.6
526	180.00	.17000	177.00	.5007	.7764	.7764	.9500	.2665-01	.4132-01	2.663	14.36	609.7
526	180.00	.18000	178.00	.3226	.4734	.4734	.9500	.1717-01	.2519-01	1.912	12.56	598.3
526	180.00	.20000	179.00	.1063	.1338	.1338	.9500	.5657-02	.7124-02	.9749	6.054	537.3
526	180.00	.40000	182.00	.5051-01	.6263-01	.6263-01	.9500	.2688-02	.3333-02	.4933	4.265	526.2
526	180.00	.45000	183.00	.4959-01	.6120-01	.6120-01	.9500	.2639-02	.3257-02	.4936	4.276	522.6
526	180.00	.50000	184.00	.4158-01	.5132-01	.5132-01	.9500	.2213-02	.2732-02	.4134	3.724	522.9
526	180.00	.55000	185.00	.4279-01	.5317-01	.5317-01	.9500	.2278-02	.2830-02	.4141	3.577	527.9
526	180.00	.60000	186.00	.3745-01	.4680-01	.4680-01	.9500	.1993-02	.2491-02	.3541	3.175	532.0
526	180.00	.65000	187.00	.3102-01	.3892-01	.3892-01	.9500	.1651-02	.2072-02	.2884	2.689	535.0
526	180.00	.70000	188.00	.2874-01	.3611-01	.3611-01	.9500	.1530-02	.1922-02	.2658	2.379	535.9
526	180.00	.75000	189.00	.2771-01	.3482-01	.3482-01	.9500	.1475-02	.1853-02	.2563	2.249	535.9
526	180.00	.80000	190.00	.5375-01	.6920-01	.6920-01	.9500	.2861-02	.3683-02	.4548	4.391	550.7
527	315.00	.40000	234.00	.6042-01	.7803-01	.7803-01	.9500	.3212-02	.4149-02	.5049	3.734	552.5
527	315.00	.45000	235.00	.6378-01	.8239-01	.8239-01	.9500	.3391-02	.4380-02	.5326	3.938	552.6
527	315.00	.50000	236.00	.6927-01	.8866-01	.8866-01	.9500	.3683-02	.4714-02	.5974	3.691	547.4
527	315.00	.55000	237.00	.6640-01	.8538-01	.8538-01	.9500	.3530-02	.4539-02	.5636	3.576	550.0

IH102 60-0 FUSELAGE (R4WA23)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
527	315.00	.60000	238.00	.5421-01	.7013-01	.7013-01	.9500	.2882-02	.3728-02	.4506	3.223	553.3
527	315.00	.65000	239.00	.5133-01	.6666-01	.6666-01	.9500	.2729-02	.3544-02	.4212	2.916	555.3
527	315.00	.70000	240.00	.4248-01	.5504-01	.5504-01	.9500	.2258-02	.2926-02	.3511	2.594	554.2
527	315.00	.75000	241.00	.3878-01	.5011-01	.5011-01	.9500	.2062-02	.2664-02	.3234	2.242	552.8
527	315.00	.80000	242.00	.6995-01	.9411-01	.9411-01	.9500	.3719-02	.5003-02	.5142	3.531	571.4

IH102 60-0 FUSELAGE (R4WA24)

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
532	1.053	3.010	.2400-01	.1676-04	9.877	695.7	247.4	.2649	1.680	2321.	.2890-02	.1981-06
533	1.065	3.010	.2400-01	.1676-04	9.993	695.7	247.4	.2680	1.700	2321.	.2924-02	.1981-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
532	.2864-01	.1776-01
533	.2881-01	.1766-01

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
532	.00000	.20000-01	4.0000	.1839	.2333	.2362	.9477	.5268-02	.6766-02	.8667	4.859	531.2
532	.00000	.50000-01	7.0000	.6070-01	.7542-01	.8013-01	.9379	.1739-02	.2295-02	.3100	2.121	517.4
533	20.000	.10000+00	207.00	.4166-01	.5236-01	.5236-01	.9500	.1200-02	.1508-02	.2043	1.209	525.4
533	20.000	.15000	211.00	.1714-01	.2138-01	.2138-01	.9500	.4939-03	.6160-03	.8663-01	.5581	520.3
533	22.000	.50000-01	202.00	.9461-01	.1206	.1206	.9500	.2726-02	.3473-02	.4405	2.466	534.1
533	24.500	.10000+00	208.00	.4604-01	.5818-01	.5818-01	.9500	.1326-02	.1676-02	.2212	1.419	528.9
533	25.500	.15000	212.00	.1609-01	.2024-01	.2024-01	.9500	.4635-03	.5832-03	.7853-01	.7061	526.2
533	31.500	.20000	215.00	.8322-02	.1044-01	.1044-01	.9500	.2398-03	.3008-03	.4111-01	.4205	524.2
533	35.000	.50000-01	203.00	.1100	.1418	.1418	.9500	.3168-02	.4086-02	.4907	3.128	540.8
533	35.000	.20000	216.00	.9621-02	.1209-01	.1209-01	.9500	.2772-03	.3483-03	.4719-01	.4824	525.4
533	39.000	.10000+00	209.00	.5724-01	.7284-01	.7284-01	.9500	.1649-02	.2099-02	.2677	1.713	533.3
533	40.000	.15000	213.00	.2617-01	.3323-01	.3323-01	.9500	.7540-03	.9572-03	.1235	.9230	531.8
533	40.000	.20000	217.00	.8847-02	.1115-01	.1115-01	.9500	.2549-03	.3211-03	.4296-01	.4827	527.1
533	42.500	.50000-01	204.00	.1169	.1513	.1513	.9500	.3369-02	.4357-02	.5166	3.491	542.3
533	45.500	.15000	214.00	.2836-01	.3583-01	.3583-01	.9500	.8171-03	.1032-02	.1364	.8056	528.8
533	51.000	.20000	218.00	.1745-01	.2192-01	.2192-01	.9500	.5027-03	.6314-03	.8577-01	.5513	525.0
533	60.000	.50000-01	205.00	.1432	.1864	.1864	.9500	.4126-02	.5370-02	.6191	4.176	545.6
533	67.500	.20000	219.00	.6618-02	.8287-02	.8287-02	.9500	.1907-03	.2387-03	.3294-01	.2473	522.9
533	96.500	.20000	1220.0	.4112-01	.5206-01	.5206-01	.9500	.1185-02	.1500-02	.1960	1.418	530.2

IH102 60-0 FUSELAGE (R4WA24)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	F/HREF F= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
533	114.00	.40000	388.00	.2240-01	.2804-01	.2804-01	.9500	.6453-03	.8077-03	.1116	.8109	522.7
533	114.00	.45000	389.00	.3238-01	.4028-01	.4028-01	.9500	.9328-03	.1160-02	.1654	1.131	518.3
533	114.00	.50000	390.00	.3164-01	.3919-01	.3919-01	.9500	.9115-03	.1129-02	.1645	1.033	515.2
533	114.00	.55000	391.00	.3385-01	.4230-01	.4230-01	.9500	.9753-03	.1219-02	.1699	1.110	521.5
533	114.00	.60000	392.00	.4581-01	.5786-01	.5786-01	.9500	.1320-02	.1667-02	.2204	1.478	528.6
533	114.00	.65000	393.00	.5106-01	.6498-01	.6498-01	.9500	.1471-02	.1872-02	.2387	1.550	533.4
533	114.00	.70000	394.00	.4676-01	.5970-01	.5970-01	.9500	.1347-02	.1720-02	.2162	1.423	535.2
533	114.00	.75000	395.00	.4156-01	.5307-01	.5307-01	.9500	.1197-02	.1529-02	.1919	1.193	535.4
533	114.00	.80000	396.00	.7937-01	.1021	.1021	.9500	.2286-02	.2943-02	.3566	2.342	539.7
533	119.00	.10000+00	210.00	.8282-01	.1051	.1051	.9500	.2386-02	.3028-02	.3913	2.371	531.7
533	157.50	.40000	223.00	.1173-01	.1441-01	.1441-01	.9500	.3379-03	.4152-03	.6309-01	.4209	508.9
533	157.50	.45000	224.00	.1732-01	.2122-01	.2122-01	.9500	.4991-03	.6114-03	.9449-01	.6312	506.3
533	157.50	.50000	225.00	.1745-01	.2142-01	.2142-01	.9500	.5028-03	.6171-03	.9440-01	.6301	507.9
533	157.50	.55000	226.00	.1336-01	.1653-01	.1653-01	.9500	.3849-03	.4762-03	.6388-01	.4516	514.1
532	157.50	.60000	227.00	.9806-02	.1219-01	.1219-01	.9500	.2809-03	.3490-03	.5004-01	.3323	517.5
533	157.50	.65000	228.00	.7631-02	.9502-02	.9602-02	.9500	.2198-03	.2766-03	.3726-01	.2577	526.2
533	157.50	.70000	229.00	.8025-02	.1016-01	.1016-01	.9500	.2312-03	.2927-03	.3828-01	.2863	530.1
533	157.50	.75000	230.00	.6773-02	.8608-02	.8608-02	.9500	.1951-03	.2480-03	.3183-01	.2377	532.5
533	157.50	.80000	231.00	.9369-01	.1225	.1225	.9500	.2699-02	.3529-02	.3994	2.776	547.7
532	180.00	.10000-01	169.00	.4143	.5718	.5718	.9500	.1187-01	.1638-01	1.498	9.988	569.4
532	180.00	.25000-01	170.00	.2256	.2923	.2923	.9500	.6463-02	.8372-02	.9860	7.089	543.1
532	180.00	.50000-01	171.00	.1467	.1850	.1850	.9500	.4201-02	.5298-02	.7055	4.528	527.7
532	180.00	.75000-01	172.00	.9926-01	.1237	.1237	.9500	.2843-02	.3543-02	.5009	3.228	519.5
532	180.00	.10000+00	173.00	.7313-01	.9088-01	.9088-01	.9500	.2095-02	.2603-02	.3730	2.477	517.6
532	180.00	.12500	174.00	.6269-01	.7812-01	.7812-01	.9500	.1796-02	.2238-02	.3162	2.229	519.6
532	180.00	.15000	175.00	.1254	.1584	.1584	.9500	.3593-02	.4537-02	.6004	4.213	528.6
532	180.00	.16000	176.00	.3032	.4047	.4047	.9500	.8686-02	.1159-01	1.206	6.671	556.9
532	180.00	.17000	177.00	.3403	.4553	.4553	.9500	.9746-02	.1304-01	1.341	7.419	558.0
532	180.00	.18000	178.00	.2200	.2895	.2895	.9500	.6303-02	.8291-02	.9143	6.152	550.6
532	180.00	.20000	179.00	.8238-01	.1032	.1032	.9500	.2360-02	.2957-02	.4062	2.540	523.5
532	180.00	.40000	182.00	.6351-02	.7761-02	.7761-02	.9500	.1819-03	.2223-03	.3483-01	.3045	504.2
532	180.00	.45000	183.00	.3796-02	.4615-02	.4615-02	.9500	.1087-03	.1322-03	.2131-01	.1868	499.6
532	180.00	.75000	189.00	.9531-02	.1207-01	.1207-01	.9500	.2730-03	.3458-03	.4511-01	.3969	530.4
532	180.00	.80000	190.00	.6519-01	.8428-01	.8428-01	.9500	.1867-02	.2414-02	.2868	2.781	542.1
533	315.00	.40000	234.00	.5038-02	.6182-02	.6182-02	.9500	.1451-03	.1781-03	.2729-01	.2064	507.7
533	315.00	.45000	235.00	.8203-02	.1003-01	.1003-01	.9500	.2363-03	.2889-03	.4519-01	.3424	504.4
533	315.00	.50000	236.00	.2296-01	.2821-01	.2821-01	.9500	.6614-03	.8128-03	.1236	.7785	508.9
533	315.00	.55000	237.00	.4222-01	.5255-01	.5255-01	.9500	.1216-02	.1514-02	.2152	1.387	518.8
533	315.00	.60000	238.00	.4060-01	.5106-01	.5106-01	.9500	.1170-02	.1471-02	.1986	1.441	525.8
533	315.00	.65000	239.00	.3856-01	.4886-01	.4886-01	.9500	.1111-02	.1408-02	.1834	1.286	530.6
533	315.00	.70000	240.00	.3580-01	.4549-01	.4549-01	.9500	.1031-02	.1311-02	.1683	1.257	532.4
533	315.00	.75000	241.00	.3643-01	.4633-01	.4633-01	.9500	.1050-02	.1335-02	.1709	1.197	532.8
533	315.00	.80000	242.00	.1061	.1380	.1380	.9500	.3057-02	.3977-02	.4598	3.199	545.3

IH102 60-0 FUSELAGE (R4WA24)

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BOFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
523	3.503	3.010	.4800-01	.1005-03	33.83	709.7	252.4	.9074	5.755	2344.	.9704-02	.2018-06
524	3.503	3.010	.5400-01	.1885-04	33.83	709.7	252.4	.9074	5.755	2344.	.9704-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
523	.5320-01	.9719-02
524	.5320-01	.9719-02

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
523	.00000	.20000-01	4.0000	.1861	.2423	.2457	.9477	.9902-02	.1307-01	1.516	8.392	556.5
523	.00000	.50000-01	7.0000	.6383-01	.7971-01	.8483-01	.9379	.3395-02	.4513-02	.6045	4.107	531.6
524	20.000	.10000+00	207.00	.4674-01	.5896-01	.5896-01	.9500	.2486-02	.3137-02	.4255	2.501	538.6
524	20.000	.15000	211.00	.1996-01	.2489-01	.2489-01	.9500	.1062-02	.1324-02	.1901	1.218	530.6
524	22.000	.50000-01	202.00	.1043	.1351	.1351	.9500	.5550-02	.7189-02	.8640	4.788	554.0
524	24.500	.10000+00	208.00	.5097-01	.6489-01	.6489-01	.9500	.2712-02	.3452-02	.4486	2.855	544.2
524	25.500	.15000	212.00	.1995-01	.2520-01	.2520-01	.9500	.1061-02	.1341-02	.1808	1.615	539.3
524	31.500	.20000	215.00	.1121-01	.1409-01	.1409-01	.9500	.5961-03	.7498-03	.1032	1.049	536.6
524	35.000	.50000-01	203.00	.1111	.1474	.1474	.9500	.5911-02	.7842-02	.8520	5.365	565.5
524	35.000	.20000	216.00	.1278-01	.1611-01	.1611-01	.9500	.6800-03	.8572-03	.1167	1.185	538.1
524	39.000	.10000+00	209.00	.6191-01	.7987-01	.7987-01	.9500	.3293-02	.4249-02	.5196	3.294	551.9
524	40.000	.15000	213.00	.3072-01	.3936-01	.3936-01	.9500	.1634-02	.2094-02	.2642	1.958	548.0
524	40.000	.20000	217.00	.1243-01	.1572-01	.1572-01	.9500	.6610-03	.8364-03	.1118	1.248	540.5
524	42.500	.50000-01	204.00	.1215	.1626	.1626	.9500	.6463-02	.8651-02	.9065	6.042	569.4
524	45.500	.15000	214.00	.3280-01	.4173-01	.4173-01	.9500	.1745-02	.2220-02	.2893	1.696	543.9
524	51.000	.20000	218.00	.1932-01	.2433-01	.2433-01	.9500	.1028-02	.1294-02	.1772	1.132	537.3
524	60.000	.50000-01	205.00	.1407	.1928	.1928	.9500	.7485-02	.1026-01	.9830	6.523	578.3
524	67.500	.20000	219.00	.1368-01	.1721-01	.1721-01	.9500	.7279-03	.9155-03	.1261	.9401	536.4
524	96.500	.20000	1220.0	.7162-01	.9738-01	.9738-01	.9500	.3810-02	.5181-02	.5111	3.615	575.5

IH102 60-0 FUSELAGE (R4WA24)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
524	114.00	.40000	388.00	.4615-01	.5975-01	.5975-01	.9500	.2455-02	.3179-02	.3828	2.737	553.8
524	114.00	.45000	389.00	.5317-01	.6846-01	.6846-01	.9500	.2829-02	.3642-02	.4495	3.024	550.8
524	114.00	.50000	390.00	.5841-01	.7478-01	.7478-01	.9500	.3107-02	.3978-02	.5037	3.111	547.6
524	114.00	.55000	391.00	.5846-01	.7555-01	.7555-01	.9500	.3110-02	.4019-02	.4879	3.137	552.8
524	114.00	.60000	392.00	.5557-01	.7223-01	.7223-01	.9500	.2956-02	.3843-02	.4547	3.006	555.9
524	114.00	.65000	393.00	.5554-01	.7261-01	.7261-01	.9500	.2954-02	.3863-02	.4458	2.857	558.8
524	114.00	.70000	394.00	.5334-01	.6999-01	.6999-01	.9500	.2838-02	.3723-02	.4233	2.751	560.5
524	114.00	.75000	395.00	.4781-01	.6187-01	.6187-01	.9500	.2543-02	.3291-02	.3972	2.446	553.5
524	114.00	.80000	396.00	.8229-01	.1111	.1111	.9500	.4378-02	.5909-02	.5996	3.873	572.7
524	119.00	.10000+00	210.00	.7892-01	.1025	.1025	.9500	.4199-02	.5453-02	.6475	3.877	555.4
524	157.50	.40000	223.00	.4404-01	.5600-01	.5600-01	.9500	.2343-02	.2979-02	.3894	2.552	543.5
524	157.50	.45000	224.00	.5306-01	.6728-01	.6728-01	.9500	.2822-02	.3579-02	.4736	3.106	541.9
524	157.50	.50000	225.00	.5623-01	.7161-01	.7161-01	.9500	.2991-02	.3810-02	.4942	3.237	544.5
524	157.50	.55000	226.00	.5919-01	.7616-01	.7616-01	.9500	.3149-02	.4051-02	.5017	3.183	550.4
523	157.50	.60000	227.00	.5532-01	.7114-01	.7114-01	.9500	.2943-02	.3784-02	.4697	3.068	550.1
524	157.50	.65000	228.00	.5015-01	.6565-01	.6565-01	.9500	.2668-02	.3493-02	.4008	2.726	559.4
524	157.50	.70000	229.00	.4572-01	.6002-01	.6002-01	.9500	.2432-02	.3193-02	.3621	2.666	560.8
524	157.50	.75000	230.00	.4635-01	.6094-01	.6094-01	.9500	.2466-02	.3242-02	.3654	2.690	561.5
524	157.50	.80000	231.00	.9019-01	.1230	.1230	.9500	.4798-02	.6546-02	.6375	4.366	576.8
523	180.00	.10000-01	169.00	.3440	.5707	.5707	.9500	.1830-01	.3036-01	1.634	10.62	620.4
523	180.00	.25000-01	170.00	.2141	.2984	.2984	.9500	.1139-01	.1587-01	1.430	10.07	584.1
523	180.00	.50000-01	171.00	.1394	.1827	.1827	.9500	.7413-02	.9718-02	1.109	7.003	560.1
523	180.00	.75000-01	172.00	.9734-01	.1244	.1244	.9500	.5178-02	.6619-02	.8442	5.366	546.6
523	180.00	.10000+00	173.00	.6873-01	.8716-01	.8716-01	.9500	.3656-02	.4637-02	.6136	4.025	541.8
523	180.00	.12500	174.00	.5656-01	.7192-01	.7192-01	.9500	.3009-02	.3826-02	.4998	3.481	543.6
523	180.00	.15000	175.00	.1572	.2118	.2118	.9500	.8364-02	.1127-01	1.152	7.908	571.9
523	180.00	.16000	176.00	.3485	.6395	.6395	.9500	.1854-01	.3402-01	1.446	7.713	631.7
523	180.00	.17000	177.00	.5041	1.014	1.014	.9500	.2682-01	.5392-01	1.893	10.06	639.1
523	180.00	.18000	178.00	.3204	.5633	.5633	.9500	.1705-01	.2997-01	1.403	9.087	627.4
523	180.00	.20000	179.00	.1142	.1477	.1477	.9500	.6075-02	.7855-02	.9513	5.860	553.1
523	180.00	.40000	182.00	.4518-01	.5675-01	.5675-01	.9500	.2404-02	.3019-02	.4184	3.601	535.6
523	180.00	.45000	183.00	.5839-01	.7323-01	.7323-01	.9500	.3106-02	.3896-02	.5440	4.683	534.6
523	180.00	.50000	184.00	.4988-01	.6247-01	.6247-01	.9500	.2653-02	.3323-02	.4671	4.184	533.6
523	180.00	.55000	185.00	.4785-01	.6033-01	.6033-01	.9500	.2545-02	.3209-02	.4366	3.752	538.2
523	180.00	.60000	186.00	.4306-01	.5479-01	.5479-01	.9500	.2290-02	.2915-02	.3794	3.381	544.0
523	180.00	.65000	187.00	.4003-01	.5141-01	.5141-01	.9500	.2129-02	.2735-02	.3411	3.157	549.5
523	180.00	.70000	188.00	.4080-01	.5254-01	.5254-01	.9500	.2170-02	.2795-02	.3446	3.060	550.9
523	180.00	.75000	189.00	.4019-01	.5186-01	.5186-01	.9500	.2138-02	.2759-02	.3372	2.934	552.0
523	180.00	.80000	190.00	.6192-01	.8366-01	.8366-01	.9500	.3294-02	.4450-02	.4498	4.293	573.1
524	315.00	.40000	234.00	.4323-01	.5514-01	.5514-01	.9500	.2300-02	.2934-02	.3778	2.804	545.4
524	315.00	.45000	235.00	.4584-01	.5843-01	.5843-01	.9500	.2439-02	.3109-02	.4017	2.982	545.0
524	315.00	.50000	236.00	.5257-01	.6653-01	.6653-01	.9500	.2797-02	.3539-02	.4731	2.933	540.5
524	315.00	.55000	237.00	.5001-01	.6374-01	.6374-01	.9500	.2660-02	.3391-02	.4382	2.788	545.0

IH102 60-0 FUSELAGE (R4WA24)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
524	315.00	.60000	238.00	.4299-01	.5531-01	.5531-01	.9500	.2287-02	.2942-02	.3643	2.610	550.4
524	315.00	.65000	239.00	.4221-01	.5468-01	.5468-01	.9500	.2246-02	.2909-02	.3495	2.421	554.0
524	315.00	.70000	240.00	.3876-01	.5025-01	.5025-01	.9500	.2062-02	.2673-02	.3201	2.365	554.4
524	315.00	.75000	241.00	.4184-01	.5422-01	.5422-01	.9500	.2226-02	.2884-02	.3459	2.396	554.3
524	315.00	.80000	242.00	.9364-01	.1265	.1265	.9500	.4981-02	.6729-02	.6805	4.669	573.1

IH102 60-0 FUSELAGE (R4WA25)

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
554	2.005	4.020	-40.03	-.2446-02	32.98	709.7	167.5	.2115	2.393	2550.	.3409-02	.1347-06
555	2.007	4.020	-40.06	.0000	33.02	708.7	167.5	.2117	2.395	2550.	.3413-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
554	.3432-01	.1640-01
555	.3434-01	.1640-01

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
554	.00000	.20000-01	4.0000	.2451-01	.3038-01	.3342-01	.9310	.8411-03	.1147-02	.1542	.8671	525.3
554	.00000	.50000-01	7.0000	.5893-02	.7282-02	.7467-02	.9448	.2022-03	.2562-03	.3756-01	.2563	522.9
555	20.000	.15000	211.00	.2876-02	.3469-02	.3469-02	.9500	.9873-04	.1191-03	.2045-01	.1330	501.6
555	22.000	.50000-01	202.00	.1328-01	.1613-01	.1513-01	.9500	.4561-03	.5539-03	.9150-01	.5191	508.0
555	35.000	.50000-01	203.00	.8459-01	.1036	.1036	.9500	.2905-02	.3558-02	.5606	3.620	515.7
555	39.000	.10000+00	209.00	.4962-01	.6008-01	.6008-01	.9500	.1704-02	.2063-02	.3467	2.251	505.2
555	42.500	.50000-01	204.00	.1259	.1551	.1551	.9500	.4323-02	.5325-02	.8143	5.564	520.3
555	45.500	.15000	214.00	.2323-01	.2812-01	.2812-01	.9500	.7976-03	.9654-03	.1626	.9725	504.8
555	51.000	.20000	218.00	.2023-01	.2474-01	.2474-01	.9500	.6948-03	.8494-03	.1352	.8740	514.0
555	60.000	.50000-01	205.00	.2987	.3761	.3761	.9500	.1026-01	.1291-01	1.767	11.97	536.4
555	67.500	.20000	219.00	.1904-01	.2322-01	.2322-01	.9500	.6538-03	.7972-03	.1288	.9720	511.7
555	96.500	.20000	1220.0	.4389-01	.5366-01	.5366-01	.9500	.1507-02	.1843-02	.2933	2.140	514.1
555	114.00	.40000	388.00	.2457-01	.3019-01	.3019-01	.9500	.8438-03	.1037-02	.1608	1.171	518.1
555	114.00	.45000	389.00	.3870-01	.4723-01	.4723-01	.9500	.1329-02	.1622-02	.2609	1.790	512.4
555	114.00	.50000	390.00	.6448-01	.7842-01	.7342-01	.9500	.2214-02	.2693-02	.4413	2.780	509.3
555	114.00	.55000	391.00	.1150	.1402	.1402	.9500	.3950-02	.4813-02	.7805	5.126	511.1
555	114.00	.60000	392.00	.1046	.1281	.1281	.9500	.3590-02	.4399-02	.6918	4.667	516.0
555	114.00	.65000	393.00	.1102	.1366	.1366	.9500	.3785-02	.4690-02	.6948	4.530	525.1
555	114.00	.70000	394.00	.9823-01	.1234	.1234	.9500	.3373-02	.4237-02	.5859	3.857	535.0

IH102 60-0 FUSELAGE (R4WA25)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
555	114.00	.75000	395.00	.1039	.1306	.1306	.9500	.3566-02	.4485-02	.6167	3.832	535.8
555	114.00	.80000	396.00	.1548	.1962	.1962	.9500	.5314-02	.6738-02	.8907	5.845	541.0
555	119.00	.10000+00	210.00	.2211	.2815	.2815	.9500	.7593-02	.9667-02	1.254	7.553	543.5
555	157.50	.40000	223.00	.1501	.1895	.1895	.9500	.5154-02	.6507-02	.8779	5.769	538.3
555	157.50	.45000	224.00	.1584	.1987	.1987	.9500	.5438-02	.6822-02	.9493	6.252	534.1
555	157.50	.50000	225.00	.1519	.1893	.1893	.9500	.5215-02	.6500-02	.9340	6.165	529.6
555	157.50	.55000	226.00	.1611	.2002	.2002	.9500	.5531-02	.6875-02	1.003	6.437	527.4
554	157.50	.60000	227.00	.1453	.1842	.1842	.9500	.4985-02	.6320-02	.8360	5.486	541.0
555	157.50	.65000	228.00	.1120	.1416	.1416	.9500	.3847-02	.4863-02	.6523	4.483	539.1
555	157.50	.70000	229.00	.9706-01	.1242	.1242	.9500	.3333-02	.4265-02	.5402	4.007	546.6
555	157.50	.75000	230.00	.7753-01	.9937-01	.9937-01	.9500	.2662-02	.3412-02	.4291	3.181	547.5
554	180.00	.10000-01	169.00	.7856	1.092	1.092	.9500	.2696-01	.3747-01	3.406	22.56	582.3
554	180.00	.25000-01	170.00	.4728	.6311	.6311	.9500	.1623-01	.2166-01	2.292	16.28	567.4
554	180.00	.50000-01	171.00	.3747	.4867	.4867	.9500	.1286-01	.1670-01	1.981	12.54	554.6
554	180.00	.10000+00	173.00	.2404	.3061	.3061	.9500	.8250-02	.1050-01	1.362	8.929	543.5
554	180.00	.12500	174.00	.2354	.3019	.3019	.9500	.8079-02	.1036-01	1.299	9.029	547.8
554	180.00	.15000	175.00	.3478	.4596	.4596	.9500	.1194-01	.1577-01	1.739	11.99	563.0
554	180.00	.16000	176.00	.5905	.8010	.8010	.9500	.2027-01	.2749-01	2.733	15.00	573.8
554	180.00	.17000	177.00	.4475	.5895	.5895	.9500	.1536-01	.2023-01	2.258	12.47	561.6
554	180.00	.18000	178.00	.3036	.3945	.3945	.9500	.1042-01	.1354-01	1.602	10.75	554.9
554	180.00	.20000	179.00	.1557	.1942	.1942	.9500	.5342-02	.6666-02	.9527	5.937	530.3
554	180.00	.40000	182.00	.8947-01	.1147	.1147	.9500	.3070-02	.3935-02	.4952	4.236	547.4
554	180.00	.45000	183.00	.1102	.1412	.1412	.9500	.3782-02	.4844-02	.6111	5.228	547.1
554	180.00	.50000	184.00	.1041	.1331	.1331	.9500	.3574-02	.4569-02	.5813	5.175	546.0
554	180.00	.55000	185.00	.1093	.1395	.1395	.9500	.3752-02	.4787-02	.6151	5.268	544.8
554	180.00	.60000	186.00	.8389-01	.1074	.1074	.9500	.2879-02	.3687-02	.4657	4.144	546.9
554	180.00	.65000	187.00	.7813-01	.1007	.1007	.9500	.2681-02	.3456-02	.4238	3.921	550.6
554	180.00	.70000	188.00	.8280-01	.1073	.1073	.9500	.2842-02	.3683-02	.4408	3.909	553.5
554	180.00	.75000	189.00	.6829-01	.8905-01	.8905-01	.9500	.2344-02	.3056-02	.3564	3.094	556.6
554	180.00	.80000	190.00	.3188	.4354	.4354	.9500	.1094-01	.1494-01	1.448	13.80	576.4
555	315.00	.40000	234.00	.1117	.1400	.1400	.9500	.3836-02	.4806-02	.6730	5.025	533.2
555	315.00	.45000	235.00	.9306-01	.1161	.1161	.9500	.3195-02	.3985-02	.5714	4.274	529.8
555	315.00	.50000	236.00	.1292	.1594	.1594	.9500	.4435-02	.5473-02	.8282	5.183	521.9
555	315.00	.55000	237.00	.1202	.1479	.1479	.9500	.4126-02	.5079-02	.7792	5.021	519.8
555	315.00	.60000	238.00	.9079-01	.1123	.1123	.9500	.3117-02	.3855-02	.5772	4.191	523.5
555	315.00	.65000	239.00	.8341-01	.1042	.1042	.9500	.2864-02	.3578-02	.5086	3.564	531.1
555	315.00	.70000	240.00	.7519-01	.9505-01	.9505-01	.9500	.2582-02	.3264-02	.4377	3.259	539.1
555	315.00	.75000	241.00	.4189-01	.5314-01	.5314-01	.9500	.1439-02	.1825-02	.2409	1.680	541.2
555	315.00	.80000	242.00	.3306	.4310	.4310	.9500	.1135-01	.1480-01	1.727	11.95	556.6

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
551	3.510	4.020	-39.97	.0000	57.86	709.7	167.7	.3710	4.197	2552.	.5972-02	.1349-06
552	3.511	4.020	-40.07	.0000	57.87	709.7	167.7	.3711	4.199	2552.	.5974-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
551	.4546-01	.1240-01
552	.4547-01	.1240-01

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
551	.00000	.20000-01	4.0000	.1707-01	.2114-01	.2326-01	.9309	.7762-03	.1057-02	.1430	.8042	525.4
551	.00000	.50000-01	7.0000	.7460-02	.9227-02	.9466-02	.9447	.3392-03	.4303-03	.6285-01	.4285	524.4
552	20.000	.15000	211.00	.2471-02	.3029-02	.3029-02	.9500	.1123-03	.1377-03	.2164-01	.1396	517.1
552	22.000	.50000-01	202.00	.7752-02	.9541-02	.9541-02	.9500	.3525-03	.4339-03	.6671-01	.3761	520.4
552	35.000	.50000-01	203.00	.5172-01	.6445-01	.6445-01	.9500	.2352-02	.2931-02	.4226	2.709	530.0
552	39.000	.10000+00	209.00	.2410-01	.2974-01	.2974-01	.9500	.1096-02	.1352-02	.2051	1.320	522.5
552	42.500	.50000-01	204.00	.9167-01	.1152	.1152	.9500	.4168-02	.5236-02	.7251	4.916	535.7
552	45.500	.15000	214.00	.1054-02	.1300-02	.1300-02	.9500	.4791-04	.5910-04	.8976-02	.5321-01	522.3
552	51.000	.20000	218.00	.7063-02	.8798-02	.8798-02	.9500	.3212-03	.4001-03	.5780-01	.3706	529.7
552	60.000	.50000-01	205.00	.2547	.3302	.3302	.9500	.1158-01	.1502-01	1.797	12.07	554.5
552	67.500	.20000	219.00	.1215-01	.1509-01	.1509-01	.9500	.5524-03	.6862-03	.1005	.7525	527.7
552	96.500	.20000	1220.0	.4070-01	.5063-01	.5063-01	.9500	.1851-02	.2302-02	.3349	2.425	528.7
552	114.00	.40000	388.00	.2965-01	.3706-01	.3706-01	.9500	.1348-02	.1685-02	.2390	1.728	532.4
552	114.00	.45000	389.00	.4103-01	.5093-01	.5093-01	.9500	.1866-02	.2316-02	.3407	2.320	527.1
552	114.00	.50000	390.00	.8074-01	.1004	.1004	.9500	.3671-02	.4565-02	.6652	4.149	528.5
552	114.00	.55000	391.00	.1252	.1571	.1571	.9500	.5694-02	.7144-02	.9951	6.456	534.9
552	114.00	.60000	392.00	.1388	.1758	.1758	.9500	.6314-02	.7993-02	1.066	7.104	540.8
552	114.00	.65000	393.00	.1338	.1714	.1714	.9500	.6083-02	.7795-02	.9824	6.331	548.2
552	114.00	.70000	394.00	.1358	.1767	.1767	.9500	.6176-02	.8036-02	.9470	6.167	556.3

IH102 60-0 FUSELAGE (R4WA25)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
552	114.00	.75000	395.00	.1554	.2024	.2024	.9500	.7068-02	.9201-02	1.082	6.653	556.6
552	114.00	.80000	396.00	.1321	.1716	.1716	.9500	.6005-02	.7805-02	.9240	6.018	555.8
552	119.00	.10000+00	210.00	.1986	.2610	.2610	.9500	.9029-02	.1187-01	1.339	7.992	561.4
552	157.50	.40000	223.00	.2645	.3476	.3476	.9500	.1203-01	.1581-01	1.785	11.59	561.3
552	157.50	.45000	224.00	.2730	.3568	.3568	.9500	.1241-01	.1622-01	1.874	12.19	558.7
552	157.50	.50000	225.00	.2521	.3276	.3276	.9500	.1146-01	.1489-01	1.766	11.51	555.6
552	157.50	.55000	226.00	.2713	.3525	.3525	.9500	.1234-01	.1603-01	1.901	12.03	555.6
551	157.50	.60000	227.00	.7796-01	.1004	.1004	.9500	.3545-02	.4563-02	.5636	3.681	550.7
552	157.50	.65000	228.00	.2646	.3532	.3532	.9500	.1203-01	.1606-01	1.703	11.53	568.2
552	157.50	.70000	229.00	.2449	.3320	.3320	.9500	.1114-01	.1510-01	1.507	11.02	574.4
552	157.50	.75000	230.00	.2456	.3331	.3331	.9500	.1117-01	.1514-01	1.510	11.04	574.5
551	180.00	.10000-01	169.00	.5987	.8676	.8676	.9500	.2722-01	.3945-01	3.116	20.51	595.2
551	180.00	.25000-01	170.00	.4086	.5623	.5623	.9500	.1858-01	.2556-01	2.413	17.03	579.8
551	180.00	.50000-01	171.00	.3416	.4550	.4550	.9500	.1553-01	.2069-01	2.210	13.91	567.3
551	180.00	.10000+00	173.00	.2019	.2636	.2636	.9500	.9177-02	.1198-01	1.390	9.043	558.2
551	180.00	.12500	174.00	.1842	.2429	.2429	.9500	.8375-02	.1104-01	1.230	8.485	562.8
551	180.00	.15000	175.00	.2945	.4013	.4013	.9500	.1339-01	.1824-01	1.786	12.23	576.3
551	180.00	.16000	176.00	.4488	.6250	.6250	.9500	.2040-01	.2841-01	2.568	14.02	583.8
551	180.00	.17000	177.00	.3671	.5002	.5002	.9500	.1669-01	.2274-01	2.226	12.20	576.3
551	180.00	.18000	178.00	.2489	.3357	.3357	.9500	.1131-01	.1526-01	1.552	10.33	572.5
551	180.00	.20000	179.00	.1607	.2055	.2055	.9500	.7307-02	.9342-02	1.190	7.356	546.8
551	180.00	.40000	182.00	.5829-01	.7625-01	.7625-01	.9500	.2650-02	.3467-02	.3992	3.395	559.0
551	180.00	.45000	183.00	.6509-01	.8502-01	.8502-01	.9500	.2959-02	.3865-02	.4478	3.810	558.3
551	180.00	.50000	184.00	.5890-01	.7678-01	.7678-01	.9500	.2678-02	.3491-02	.4082	3.613	557.3
551	180.00	.55000	185.00	.6294-01	.8177-01	.8177-01	.9500	.2861-02	.3718-02	.4408	3.755	555.6
551	180.00	.60000	186.00	.4991-01	.6512-01	.6512-01	.9500	.2269-02	.2961-02	.3448	3.051	557.7
551	180.00	.65000	187.00	.4312-01	.5696-01	.5696-01	.9500	.1960-02	.2590-02	.2863	2.631	563.6
551	180.00	.70000	188.00	.4298-01	.5736-01	.5736-01	.9500	.1954-02	.2608-02	.2767	2.436	568.1
551	180.00	.75000	189.00	.2485-01	.3341-01	.3341-01	.9500	.1130-02	.1519-02	.1565	1.349	571.2
551	180.00	.80000	190.00	.3736	.5699	.5699	.9500	.1699-01	.2591-01	1.750	16.43	606.7
552	315.00	.40000	234.00	.1427	.1848	.1848	.9500	.6490-02	.8403-02	1.011	7.474	553.8
552	315.00	.45000	235.00	.1954	.2520	.2520	.9500	.8885-02	.1146-01	1.403	10.37	551.8
552	315.00	.50000	236.00	.2088	.2662	.2662	.9500	.9493-02	.1210-01	1.562	9.661	545.1
552	315.00	.55000	237.00	.2123	.2709	.2709	.9500	.9653-02	.1232-01	1.583	10.07	545.7
552	315.00	.60000	238.00	.1866	.2399	.2399	.9500	.8485-02	.1091-01	1.356	9.714	549.9
552	315.00	.65000	239.00	.1940	.2532	.2532	.9500	.9823-02	.1151-01	1.340	9.265	557.8
552	315.00	.70000	240.00	.1812	.2400	.2400	.9500	.8241-02	.1091-01	1.195	8.779	564.7
552	315.00	.75000	241.00	.2039	.2709	.2709	.9500	.9273-02	.1232-01	1.332	9.168	566.1
552	315.00	.80000	242.00	.3146	.4345	.4345	.9500	.1430-01	.1976-01	1.839	12.57	581.1

IH102 60-0 FUSELAGE (R4WA27)

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
541	3.513	4.020	-14.45	-.9979-02	57.90	709.7	167.7	.3713	4.200	2552.	.5976-02	.1349-06
542	3.521	4.020	-14.32	.0000	57.91	708.7	167.5	.3714	4.201	2550.	.5986-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
541	.4548-01	.1239-01
542	.4548-01	.1238-01

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
541	.00000	.20000-01	4.0000	.8933-01	.1109	.1266	.9244	.4063-02	.5759-02	.7404	4.158	527.4
541	.00000	.50000-01	7.0000	.1800-01	.2205-01	.2521-01	.9222	.8188-03	.1146-02	.1582	1.083	516.5
542	20.000	.10000+00	207.00	.8366-02	.1038-01	.1038-01	.9500	.3805-03	.4722-03	.6940-01	.4106	526.3
542	22.000	.50000-01	202.00	.4479-01	.5623-01	.5623-01	.9500	.2037-02	.2557-02	.3547	1.985	534.5
542	24.500	.10000+00	208.00	.1194-01	.1486-01	.1486-01	.9500	.5428-03	.6758-03	.9768-01	.6266	528.7
542	35.000	.50000-01	203.00	.6947-01	.8865-01	.8865-01	.9500	.3159-02	.4032-02	.5174	3.292	544.9
542	39.000	.10000+00	209.00	.3290-01	.4169-01	.4169-01	.9500	.1496-02	.1896-02	.2513	1.602	540.7
542	40.000	.15000	213.00	.8662-03	.1084-02	.1084-02	.9500	.3939-04	.4930-04	.6947-02	.5190-01	532.3
542	42.500	.50000-01	204.00	.1061	.1382	.1382	.9500	.4825-02	.6286-02	.7354	4.934	556.3
542	45.500	.15000	214.00	.1001-01	.1261-01	.1261-01	.9500	.4551-03	.5735-03	.7809-01	.4594	537.1
542	51.000	.20000	218.00	.8800-02	.1105-01	.1105-01	.9500	.4002-03	.5027-03	.6953-01	.4446	534.9
542	60.000	.50000-01	205.00	.1834	.2500	.2500	.9500	.8340-02	.1137-01	1.109	7.367	575.7
542	67.500	.20000	219.00	.2284-01	.2895-01	.2895-01	.9500	.1039-02	.1316-02	.1746	1.299	540.6
542	96.500	.20000	1220.0	.6302-01	.8181-01	.8181-01	.9500	.2866-02	.3720-02	.4422	3.161	554.4
542	114.00	.40000	388.00	.2274-01	.2858-01	.2858-01	.9500	.1034-02	.1300-02	.1793	1.294	535.3
542	114.00	.45000	389.00	.2153-01	.2687-01	.2687-01	.9500	.9790-03	.1222-02	.1745	1.186	530.4
542	114.00	.50000	390.00	.1790-01	.2228-01	.2228-01	.9500	.8139-03	.1013-02	.1467	.9151	528.4
542	114.00	.55000	391.00	.1819-01	.2280-01	.2280-01	.9500	.8274-03	.1037-02	.1451	.9420	533.3
542	114.00	.60000	392.00	.2097-01	.2651-01	.2651-01	.9500	.9538-03	.1206-02	.1619	1.079	539.0

IH102 60-0 FUSELAGE (R4WA27)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
542	114.00	.65000	393.00	.2768-01	.3538-01	.3538-01	.9500	.1259-02	.1609-02	.2049	1.322	545.9
542	114.00	.70000	394.00	.3429-01	.4414-01	.4414-01	.9500	.1559-02	.2007-02	.2476	1.617	548.9
542	114.00	.75000	395.00	.4039-01	.5198-01	.5198-01	.9500	.1837-02	.2364-02	.2921	1.803	549.7
542	114.00	.80000	396.00	.7459-01	.9807-01	.9807-01	.9500	.3392-02	.4460-02	.5020	3.262	560.7
542	119.00	.10000+00	210.00	.1196	.1565	.1565	.9500	.5438-02	.7115-02	.8172	4.885	558.4
542	157.50	.40000	223.00	.9846-01	.1279	.1279	.9500	.4478-02	.5816-02	.6896	4.495	554.7
542	157.50	.45000	224.00	.9265-01	.1188	.1188	.9500	.4213-02	.5403-02	.6780	4.434	547.8
542	157.50	.50000	225.00	.7878-01	.1008	.1008	.9500	.3583-02	.4583-02	.5816	3.806	546.3
542	157.50	.55000	226.00	.7487-01	.9631-01	.9631-01	.9500	.3405-02	.4380-02	.5419	3.440	549.5
541	157.50	.60000	227.00	.6510-01	.8274-01	.8274-01	.9500	.2961-02	.3763-02	.4927	3.229	543.3
542	157.50	.65000	228.00	.5647-01	.7351-01	.7351-01	.9500	.2568-02	.3343-02	.3926	2.675	555.8
542	157.50	.70000	229.00	.4828-01	.6294-01	.6294-01	.9500	.2196-02	.2862-02	.3341	2.466	556.5
542	157.50	.75000	230.00	.4974-01	.6499-01	.6499-01	.9500	.2262-02	.2955-02	.3415	2.519	557.7
542	157.50	.80000	231.00	.7821-01	.1042	.1042	.9500	.3557-02	.4741-02	.5046	3.473	566.8
541	180.00	.10000-01	169.00	.4927	.7439	.7439	.9500	.2241-01	.3383-01	2.355	15.43	604.6
541	180.00	.25000-01	170.00	.3017	.4083	.4083	.9500	.1372-01	.1857-01	1.866	13.21	573.7
541	180.00	.50000-01	171.00	.2158	.2806	.2806	.9500	.9816-02	.1276-01	1.510	9.552	555.9
541	180.00	.75000-01	172.00	.1617	.2069	.2069	.9500	.7353-02	.9410-02	1.193	7.583	547.4
541	180.00	.10000+00	173.00	.1164	.1475	.1475	.9500	.5295-02	.6710-02	.8906	5.843	541.5
541	180.00	.12500	174.00	.1030	.1313	.1313	.9500	.4686-02	.5973-02	.7713	5.367	545.1
541	180.00	.15000	175.00	.2620	.3498	.3498	.9500	.1191-01	.1591-01	1.683	11.57	568.4
541	180.00	.16000	176.00	.6624	1.118	1.118	.9500	.3013-01	.5084-01	2.624	14.06	622.6
541	180.00	.17000	177.00	.7957	1.361	1.361	.9500	.3619-01	.6188-01	3.093	16.56	624.2
541	180.00	.18000	178.00	.5021	.8086	.8086	.9500	.2284-01	.3677-01	2.138	13.93	616.1
541	180.00	.20000	179.00	.1041	.1315	.1315	.9500	.4736-02	.5982-02	.8067	5.004	539.3
541	180.00	.40000	182.00	.8209-01	.1028	.1028	.9500	.3733-02	.4674-02	.6582	5.670	533.4
541	180.00	.45000	183.00	.7552-01	.9385-01	.9385-01	.9500	.3435-02	.4268-02	.6241	5.392	528.0
541	180.00	.50000	184.00	.6627-01	.8231-01	.8231-01	.9500	.3014-02	.3744-02	.5486	4.929	527.7
541	180.00	.55000	185.00	.6418-01	.8020-01	.8020-01	.9500	.2919-02	.3648-02	.5185	4.470	532.0
541	180.00	.60000	186.00	.5470-01	.6889-01	.6889-01	.9500	.2488-02	.3133-02	.4285	3.831	537.4
541	180.00	.65000	187.00	.4869-01	.6173-01	.6173-01	.9500	.2215-02	.2807-02	.3721	3.459	541.6
541	180.00	.70000	188.00	.5040-01	.6401-01	.6401-01	.9500	.2292-02	.2911-02	.3827	3.413	542.7
541	180.00	.75000	189.00	.4890-01	.6219-01	.6219-01	.9500	.2224-02	.2828-02	.3694	3.228	543.6
541	180.00	.80000	190.00	.5000-01	.6464-01	.6464-01	.9500	.2274-02	.2940-02	.3564	3.437	552.9
542	315.00	.40000	234.00	.6374-01	.8163-01	.8163-01	.9500	.2899-02	.3712-02	.4687	3.475	547.0
542	315.00	.45000	235.00	.6235-01	.7955-01	.7955-01	.9500	.2836-02	.3618-02	.4648	3.451	544.7
542	315.00	.50000	236.00	.6465-01	.8187-01	.8187-01	.9500	.2940-02	.3723-02	.4952	3.070	540.2
542	315.00	.55000	237.00	.5854-01	.7456-01	.7456-01	.9500	.2662-02	.3391-02	.4388	2.793	543.8
542	315.00	.60000	238.00	.4684-01	.6015-01	.6015-01	.9500	.2130-02	.2735-02	.3412	2.446	548.5
542	315.00	.65000	239.00	.4416-01	.5705-01	.5705-01	.9500	.2008-02	.2594-02	.3148	2.183	551.9
542	315.00	.70000	240.00	.3993-01	.5168-01	.5168-01	.9500	.1816-02	.2350-02	.2831	2.093	552.8
542	315.00	.75000	241.00	.4089-01	.5304-01	.5304-01	.9500	.1860-02	.2412-02	.2878	1.994	553.9
542	315.00	.80000	242.00	.8795-01	.1192	.1192	.9500	.4000-02	.5420-02	.5410	3.711	573.4

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
538	3.508	4.020	.0000	-14.44	57.94	710.7	167.9	.3716	4.204	2554.	.5973-02	.1351-06
539	3.509	4.020	.5113-02	-14.34	57.83	709.7	167.7	.3709	4.195	2552.	.5969-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
538	.4551-01	.1240-01
539	.4545-01	.1240-01

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
538	.00000	.20000-01	4.0000	.1656	.2096	.2240	.9378	.7535-02	.1020-01	1.276	7.115	541.4
538	.00000	.50000-01	7.0000	.4872-01	.6034-01	.6792-01	.9266	.2217-02	.3091-02	.4094	2.789	526.1
539	20.000	.10000+00	207.00	.5348-01	.6670-01	.6670-01	.9500	.2431-02	.3032-02	.4351	2.568	530.7
539	20.000	.15000	211.00	.2497-01	.3092-01	.3092-01	.9500	.1135-02	.1406-02	.2090	1.343	525.5
539	22.000	.50000-01	202.00	.1209	.1538	.1538	.9500	.5496-02	.6992-02	.9114	5.077	543.8
539	24.500	.10000+00	208.00	.6759-01	.8529-01	.8529-01	.9500	.3072-02	.3877-02	.5252	3.352	538.7
539	25.500	.15000	212.00	.2843-01	.3567-01	.3567-01	.9500	.1292-02	.1621-02	.2259	2.022	534.9
539	31.500	.20000	215.00	.1869-01	.2330-01	.2330-01	.9500	.8497-03	.1059-02	.1524	1.554	530.3
539	35.000	.50000-01	203.00	.1615	.2125	.2125	.9500	.7339-02	.9658-02	1.085	6.842	561.9
539	35.000	.20000	216.00	.2179-01	.2726-01	.2726-01	.9500	.9904-03	.1239-02	.1752	1.784	532.8
539	39.000	.10000+00	209.00	.1015	.1317	.1317	.9500	.4612-02	.5985-02	.7135	4.517	555.0
539	40.000	.15000	213.00	.5264-01	.6743-01	.6743-01	.9500	.2393-02	.3065-02	.3869	2.868	548.0
539	40.000	.20000	217.00	.2328-01	.2931-01	.2931-01	.9500	.1058-02	.1332-02	.1824	2.039	537.3
539	42.500	.50000-01	204.00	.1798	.2400	.2400	.9500	.8172-02	.1091-01	1.156	7.708	568.2
539	45.500	.15000	214.00	.6175-01	.7938-01	.7938-01	.9500	.2807-02	.3608-02	.4485	2.622	549.9
539	51.000	.20000	218.00	.4504-01	.5720-01	.5720-01	.9500	.2047-02	.2600-02	.3418	2.177	542.7
539	60.000	.50000-01	205.00	.1865	.2483	.2483	.9500	.8477-02	.1129-01	1.208	8.064	567.1
539	67.500	.20000	219.00	.3226-01	.4095-01	.4095-01	.9500	.1466-02	.1861-02	.2451	1.822	542.5
539	96.500	.20000	1220.0	.5600-01	.7240-01	.7240-01	.9500	.2546-02	.3291-02	.3987	2.852	553.0

IH102 60-0 FUSELAGE (R4WA28)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.5	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
539	114.00	.40000	388.00	.8882-01	.1154	.1154	.9500	.4037-02	.5247-02	.6214	4.439	555.8
539	114.00	.45000	389.00	.9166-01	.1175	.1175	.9500	.4166-02	.5339-02	.6730	4.534	548.1
539	114.00	.50000	390.00	.8440-01	.1068	.1068	.9500	.3837-02	.4852-02	.6503	4.032	540.2
539	114.00	.55000	391.00	.7343-01	.9315-01	.9315-01	.9500	.3338-02	.4234-02	.5596	3.617	542.0
539	114.00	.60000	392.00	.6383-01	.8111-01	.8111-01	.9500	.2901-02	.3687-02	.4832	3.215	543.1
539	114.00	.65000	393.00	.5366-01	.6807-01	.6807-01	.9500	.2439-02	.3094-02	.4089	2.643	542.0
539	114.00	.70000	394.00	.5210-01	.6624-01	.6624-01	.9500	.2368-02	.3011-02	.3936	2.580	543.4
539	114.00	.75000	395.00	.5177-01	.6574-01	.6574-01	.9500	.2353-02	.2988-02	.3929	2.433	542.7
539	114.00	.80000	396.00	.7084-01	.9024-01	.9024-01	.9500	.3220-02	.4102-02	.5316	3.482	544.6
539	119.00	.10000+00	210.00	.9962-01	.1269	.1269	.9500	.4528-02	.5770-02	.7467	4.494	544.8
539	157.50	.40000	223.00	.3541-01	.4335-01	.4335-01	.9500	.1609-02	.1971-02	.3115	2.071	516.1
539	157.50	.45000	224.00	.3901-01	.4750-01	.4750-01	.9500	.1773-02	.2159-02	.3517	2.343	511.3
539	157.50	.50000	225.00	.3759-01	.4588-01	.4588-01	.9500	.1709-02	.2085-02	.3356	2.234	513.2
539	157.50	.55000	226.00	.3868-01	.4755-01	.4755-01	.9500	.1758-02	.2161-02	.3346	2.157	519.4
538	157.50	.60000	227.00	.2452-01	.3049-01	.3049-01	.9500	.1116-02	.1387-02	.2027	1.338	529.0
539	157.50	.65000	228.00	.2997-01	.3730-01	.3730-01	.9500	.1362-02	.1695-02	.2463	1.701	528.9
539	157.50	.70000	229.00	.2542-01	.3166-01	.3166-01	.9500	.1155-02	.1439-02	.2080	1.556	529.7
539	157.50	.75000	230.00	.2440-01	.3038-01	.3038-01	.9500	.1109-02	.1381-02	.2002	1.498	529.2
539	157.50	.80000	231.00	.5757-01	.7295-01	.7295-01	.9500	.2617-02	.3316-02	.4402	3.069	541.4
538	180.00	.10000-01	169.00	.3707	.5273	.5273	.9500	.1687-01	.2400-01	2.019	13.31	591.0
538	180.00	.25000-01	170.00	.2008	.2622	.2622	.9500	.9140-02	.1193-01	1.388	9.902	558.8
538	180.00	.50000-01	171.00	.1267	.1607	.1607	.9500	.5765-02	.7315-02	.9666	6.156	543.0
538	180.00	.75000-01	172.00	.8943-01	.1123	.1123	.9500	.4070-02	.5109-02	.7112	4.546	535.9
538	180.00	.10000+00	173.00	.6407-01	.8010-01	.8010-01	.9500	.2916-02	.3645-02	.5177	3.411	533.1
538	180.00	.12500	174.00	.4412-01	.5535-01	.5535-01	.9500	.2008-02	.2519-02	.3517	2.459	535.5
538	180.00	.15000	175.00	.2122	.2810	.2810	.9500	.9656-02	.1279-01	1.401	9.651	565.6
538	180.00	.16000	176.00	.4059	.5921	.5921	.9500	.1847-01	.2695-01	2.088	11.32	597.7
538	180.00	.17000	177.00	.4782	.7116	.7116	.9500	.2176-01	.3239-01	2.358	12.76	602.3
538	180.00	.18000	178.00	.3092	.4439	.4439	.9500	.1407-01	.2020-01	1.649	10.86	593.5
538	180.00	.20000	179.00	.9092-01	.1139	.1139	.9500	.4138-02	.5186-02	.7274	4.523	534.9
538	180.00	.40000	182.00	.6924-02	.8467-02	.8467-02	.9500	.3151-03	.3853-03	.6145-01	.5342	515.7
538	180.00	.45000	183.00	.1392-01	.1698-01	.1698-01	.9500	.6334-03	.7728-03	.1247	1.085	513.7
538	180.00	.50000	184.00	.6794-02	.8304-02	.8304-02	.9500	.3092-03	.3779-03	.6045-01	.5467	515.2
538	180.00	.55000	185.00	.7422-02	.9134-02	.9134-02	.9500	.3378-03	.4157-03	.6404-01	.5551	521.1
538	180.00	.60000	186.00	.4424-02	.5481-02	.5481-02	.9500	.2013-03	.2494-03	.3710-01	.3335	526.4
538	180.00	.65000	187.00	.2429-02	.3026-02	.3026-02	.9500	.1105-03	.1377-03	.1990-01	.1860	530.6
538	180.00	.70000	188.00	.7363-03	.9198-03	.9198-03	.9500	.3351-04	.4186-04	.5971-02	.5352-01	532.5
538	180.00	.80000	190.00	.1949-01	.2491-01	.2491-01	.9500	.8868-03	.1134-02	.1446	1.399	547.6
539	315.00	.40000	234.00	.5261-01	.6553-01	.6553-01	.9500	.2391-02	.2979-02	.4302	3.218	529.8
539	315.00	.45000	235.00	.5412-01	.6717-01	.6717-01	.9500	.2460-02	.3053-02	.4492	3.365	527.1
539	315.00	.50000	236.00	.5606-01	.6925-01	.6925-01	.9500	.2548-02	.3148-02	.4747	2.968	523.4
539	315.00	.55000	237.00	.5340-01	.6636-01	.6636-01	.9500	.2427-02	.3016-02	.4408	2.829	528.0
539	315.00	.60000	238.00	.4265-01	.5329-01	.5329-01	.9500	.1939-02	.2422-02	.3445	2.491	532.0

IH102 60-0 FUSELAGE (R4WA28)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
539	315.00	.65000	239.00	.3809-01	.4775-01	.4775-01	.9500	.1731-02	.2171-02	.3035	2.123	534.4
539	315.00	.70000	240.00	.3089-01	.3873-01	.3873-01	.9500	.1404-02	.1760-02	.2463	1.838	534.3
539	315.00	.75000	241.00	.2819-01	.3522-01	.3522-01	.9500	.1281-02	.1601-02	.2277	1.595	532.0
539	315.00	.80000	242.00	.6289-01	.8040-01	.8040-01	.9500	.2859-02	.3654-02	.4657	3.238	546.8

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
544	1.049	4.010	-.3200-01	-.1117-04	17.13	707.7	167.9	.1113	1.253	2547.	.1790-02	.1351-06
545	1.047	4.010	-.3400-01	-.1187-04	17.13	708.7	168.1	.1113	1.253	2549.	.1788-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
544	.2483-01	.2264-01
545	.2484-01	.2265-01

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
544	.00000	.20000-01	4.0000	.1942	.2437	.2599	.9378	.4822-02	.6453-02	.8402	4.705	533.4
544	.00000	.50000-01	7.0000	.5841-01	.7215-01	.8109-01	.9266	.1450-02	.2013-02	.2695	1.840	521.8
545	20.000	.10000+00	207.00	.2456-01	.3060-01	.3060-01	.9500	.6101-03	.7600-03	.1095	.6471	529.1
545	20.000	.15000	211.00	.8599-02	.1064-01	.1064-01	.9500	.2136-03	.2642-03	.3948-01	.2539	523.8
545	22.000	.50000-01	202.00	.7799-01	.9825-01	.9825-01	.9500	.1937-02	.2440-02	.3328	1.860	536.9
545	24.500	.10000+00	208.00	.2793-01	.3495-01	.3495-01	.9500	.6938-03	.8680-03	.1225	.7846	532.1
545	25.500	.15000	212.00	.3268-02	.4073-02	.4073-02	.9500	.8117-04	.1012-03	.1455-01	.1306	529.4
545	35.000	.50000-01	203.00	.9778-01	.1239	.1239	.9500	.2429-02	.3079-02	.4076	2.599	540.8
545	35.000	.20000	216.00	.1151-02	.1433-02	.1433-02	.9500	.2858-04	.3559-04	.5147-02	.5253-01	528.6
545	39.000	.10000+00	209.00	.4797-01	.6012-01	.6012-01	.9500	.1191-02	.1493-02	.2089	1.337	533.4
545	40.000	.15000	213.00	.8148-02	.1022-01	.1022-01	.9500	.2024-03	.2538-03	.3539-01	.2642	533.8
545	42.500	.50000-01	204.00	.1091	.1380	.1380	.9500	.2710-02	.3427-02	.4592	3.107	539.2
545	45.500	.15000	214.00	.1730-01	.2155-01	.2155-01	.9500	.4296-03	.5352-03	.7716-01	.4558	529.1
545	51.000	.20000	218.00	.1068-01	.1326-01	.1326-01	.9500	.2654-03	.3294-03	.4839-01	.3108	526.3
545	60.000	.50000-01	205.00	.1350	.1707	.1707	.9500	.3353-02	.4239-02	.5689	3.851	539.0
545	67.500	.20000	219.00	.2209-02	.2733-02	.2733-02	.9500	.5487-04	.6789-04	.1014-01	.7605-01	523.9
545	96.500	.20000	1220.0	.1774-01	.2202-01	.2202-01	.9500	.4407-03	.5469-03	.8035-01	.5826	526.3
545	114.00	.40000	388.00	.7626-02	.9384-02	.9384-02	.9500	.1894-03	.2331-03	.3582-01	.2606	519.6
545	114.00	.45000	389.00	.1584-01	.1948-01	.1948-01	.9500	.3933-03	.4838-03	.7453-01	.5095	519.2

IH102 60-0 FUSELAGE (R4WA29)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF F= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
545	114.00	.50000	390.00	.1573-01	.1934-01	.1934-01	.9500	.3906-03	.4803-03	.7410-01	.4645	518.9
545	114.00	.55000	391.00	.5562-02	.6676-02	.6876-02	.9500	.1381-03	.1708-03	.2562-01	.1672	523.2
545	114.00	.75000	395.00	.3704-02	.4671-02	.4671-02	.9500	.9201-04	.1160-03	.1575-01	.9781-01	537.5
545	114.00	.80000	396.00	.3066-01	.3899-01	.3899-01	.9500	.7615-03	.9685-03	.1263	.8279	542.5
545	119.00	.10000+00	210.00	.7130-01	.8871-01	.8871-01	.9500	.1771-02	.2203-02	.3196	1.940	528.2
545	157.50	.80000	231.00	.3259-01	.4239-01	.4239-01	.9500	.8094-03	.1053-02	.1241	.8587	555.4
544	180.00	.10000-01	169.00	.4359	.5641	.5641	.9500	.1082-01	.1401-01	1.685	11.33	552.0
544	180.00	.25000-01	170.00	.2080	.2599	.2599	.9500	.5165-02	.6452-02	.9162	6.631	530.3
544	180.00	.50000-01	171.00	.1298	.1600	.1600	.9500	.3223-02	.3972-02	.6046	3.895	520.1
544	180.00	.75000-01	172.00	.8744-01	.1070	.1070	.9500	.2171-02	.2657-02	.4196	2.711	514.4
544	180.00	.10000+00	173.00	.6119-01	.7488-01	.7488-01	.9500	.1519-02	.1859-02	.2941	1.957	514.1
544	180.00	.12500	174.00	.5488-01	.6729-01	.6729-01	.9500	.1362-02	.1671-02	.2613	1.846	515.8
544	180.00	.15000	175.00	.7250-01	.8963-01	.8963-01	.9500	.1800-02	.2225-02	.3334	2.347	522.4
544	180.00	.16000	176.00	.3311	.4191	.4191	.9500	.8220-02	.1041-01	1.385	7.731	539.2
544	180.00	.17000	177.00	.3270	.4213	.4213	.9500	.8118-02	.1046-01	1.283	7.127	549.6
544	180.00	.18000	178.00	.2180	.2789	.2789	.9500	.5412-02	.6925-02	.8761	5.909	545.8
544	180.00	.20000	179.00	.7181-01	.8865-01	.8865-01	.9500	.1783-02	.2201-02	.3322	2.080	521.3
544	180.00	.80000	190.00	.6877-02	.8908-02	.8908-02	.9500	.1707-03	.2211-03	.2649-01	.2555	552.5
545	315.00	.80000	242.00	.2903-01	.3771-01	.3771-01	.9500	.7211-03	.9366-03	.1111	.7691	554.7

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
535	3.519	4.020	.1200-01	.8378-05	58.00	709.7	167.7	.3720	4.208	2552.	.5987-02	.1349-06
536	3.512	4.020	.1600-01	.1117-04	57.88	709.7	167.7	.3712	4.199	2552.	.5975-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
535	.4552-01	.1238-01
536	.4548-01	.1239-01

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
535	.00000	.20000-01	4.0000	.1670	.2145	.2304	.9379	.7604-02	.1049-01	1.219	6.771	549.4
535	.00000	.50000-01	7.0000	.4830-01	.6023-01	.6809-01	.9266	.2199-02	.3100-02	.3941	2.679	530.4
536	20.000	.10000+00	207.00	.3034-01	.3812-01	.3812-01	.9500	.1380-02	.1734-02	.2399	1.412	535.8
536	20.000	.15000	211.00	.8326-02	.1038-01	.1038-01	.9500	.3786-03	.4722-03	.6781-01	.4346	530.6
536	22.000	.50000-01	202.00	.8521-01	.1093	.1093	.9500	.3875-02	.4968-02	.6246	3.471	548.5
536	24.500	.10000+00	208.00	.3491-01	.4415-01	.4415-01	.9500	.1587-02	.2008-02	.2690	1.715	540.2
536	25.500	.15000	212.00	.7542-02	.9504-02	.9504-02	.9500	.3430-03	.4322-03	.5894-01	.5269	537.8
536	31.500	.20000	215.00	.2117-02	.2657-02	.2657-02	.9500	.9627-04	.1208-03	.1682-01	.1711	535.0
536	35.000	.50000-01	203.00	.9672-01	.1260	.1260	.9500	.4399-02	.5732-02	.6708	4.242	557.2
536	35.000	.20000	216.00	.3347-02	.4209-02	.4209-02	.9500	.1522-03	.1914-03	.2638-01	.2681	536.4
536	39.000	.10000+00	209.00	.4748-01	.6060-01	.6060-01	.9500	.2159-02	.2756-02	.3540	2.251	545.7
536	40.000	.15000	213.00	.1465-01	.1866-01	.1866-01	.9500	.6662-03	.8484-03	.1101	.8173	544.4
536	40.000	.20000	217.00	.3453-02	.4353-02	.4353-02	.9500	.1570-03	.1980-03	.2694-01	.3010	538.1
536	42.500	.50000-01	204.00	.1052	.1375	.1375	.9500	.4783-02	.6254-02	.7217	4.836	558.8
536	45.500	.15000	214.00	.1871-01	.2365-01	.2365-01	.9500	.8509-03	.1076-02	.1446	.8495	539.8
536	51.000	.20000	218.00	.6230-02	.7810-02	.7810-02	.9500	.2833-03	.3552-03	.4969-01	.3178	534.3
536	60.000	.50000-01	205.00	.1262	.1672	.1672	.9500	.5740-02	.7602-02	.8316	5.556	564.8
536	67.500	.20000	219.00	.1549-02	.1936-02	.1936-02	.9500	.7046-04	.8803-04	.1253-01	.9362-01	531.9
536	96.500	.20000	1220.0	.5724-01	.7362-01	.7362-01	.9500	.2603-02	.3348-02	.4153	2.975	550.1

IH102 60-0 FUSELAGE (R4WA29)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
536	114.00	.40000	388.00	.1896-01	.2373-01	.2373-01	.9500	.8622-03	.1079-02	.1521	1.099	533.2
536	114.00	.45000	389.00	.2848-01	.3554-01	.3554-01	.9500	.1295-02	.1616-02	.2312	1.571	531.1
536	114.00	.50000	390.00	.3141-01	.3906-01	.3906-01	.9500	.1428-02	.1776-02	.2588	1.615	528.5
536	114.00	.55000	391.00	.3436-01	.4305-01	.4305-01	.9500	.1563-02	.1958-02	.2748	1.784	533.8
536	114.00	.60000	392.00	.3585-01	.4522-01	.4522-01	.9500	.1630-02	.2056-02	.2792	1.862	538.4
536	114.00	.65000	393.00	.3669-01	.4650-01	.4650-01	.9500	.1669-02	.2115-02	.2807	1.815	541.5
536	114.00	.70000	394.00	.3346-01	.4248-01	.4248-01	.9500	.1521-02	.1932-02	.2541	1.666	542.7
536	114.00	.75000	395.00	.3448-01	.4365-01	.4365-01	.9500	.1568-02	.1985-02	.2648	1.641	540.8
536	114.00	.80000	396.00	.6104-01	.7878-01	.7878-01	.9500	.2776-02	.3583-02	.4374	2.854	552.1
536	119.00	.10000+00	210.00	.6982-01	.8904-01	.8904-01	.9500	.3175-02	.4049-02	.5221	3.142	545.2
536	157.50	.40000	223.00	.1245-01	.1530-01	.1530-01	.9500	.5663-03	.6959-03	.1079	.7159	519.2
536	157.50	.45000	224.00	.2295-01	.2816-01	.2816-01	.9500	.1044-02	.1280-02	.2004	1.331	517.7
536	157.50	.50000	225.00	.2495-01	.3069-01	.3069-01	.9500	.1134-02	.1396-02	.2152	1.427	520.0
536	157.50	.55000	226.00	.2820-01	.3500-01	.3500-01	.9500	.1282-02	.1592-02	.2340	1.502	527.2
535	157.50	.60000	227.00	.3219-01	.4030-01	.4030-01	.9500	.1465-02	.1835-02	.2584	1.702	533.3
536	157.50	.65000	228.00	.3308-01	.4197-01	.4197-01	.9500	.1504-02	.1908-02	.2521	1.730	542.1
536	157.50	.70000	229.00	.2965-01	.3769-01	.3769-01	.9500	.1348-02	.1714-02	.2241	1.665	543.4
536	157.50	.75000	230.00	.2897-01	.3688-01	.3688-01	.9500	.1317-02	.1677-02	.2179	1.618	544.3
536	157.50	.80000	231.00	.6917-01	.9039-01	.9039-01	.9500	.3145-02	.4111-02	.4753	3.285	558.6
535	180.00	.10000-01	169.00	.3646	.5375	.5375	.9500	.1660-01	.2447-01	1.830	12.02	599.4
535	180.00	.25000-01	170.00	.2013	.2663	.2663	.9500	.9164-02	.1212-01	1.333	9.481	564.2
535	180.00	.50000-01	171.00	.1247	.1591	.1591	.9500	.5677-02	.7244-02	.9313	5.923	545.6
535	180.00	.75000-01	172.00	.8482-01	.1069	.1069	.9500	.3861-02	.4864-02	.6645	4.244	537.6
535	180.00	.10000+00	173.00	.5877-01	.7337-01	.7337-01	.9500	.2675-02	.3340-02	.4771	3.146	531.3
535	180.00	.12500	174.00	.4881-01	.6110-01	.6110-01	.9500	.2222-02	.2782-02	.3917	2.742	533.4
535	180.00	.15000	175.00	.1346	.1731	.1731	.9500	.6125-02	.7879-02	.9768	6.779	550.2
535	180.00	.16000	176.00	.3632	.5354	.5354	.9500	.1654-01	.2437-01	1.825	9.886	599.3
535	180.00	.17000	177.00	.5343	.8510	.8510	.9500	.2432-01	.3874-01	2.320	12.48	614.3
535	180.00	.18000	178.00	.3600	.5524	.5524	.9500	.1639-01	.2515-01	1.670	10.92	607.8
535	180.00	.20000	179.00	.1086	.1371	.1371	.9500	.4942-02	.6242-02	.8416	5.220	539.4
535	180.00	.40000	182.00	.8820-02	.1078-01	.1078-01	.9500	.4015-03	.4906-03	.7847-01	.6826	514.2
535	180.00	.45000	183.00	.1870-01	.2286-01	.2286-01	.9500	.8514-03	.1041-02	.1662	1.446	514.5
535	180.00	.50000	184.00	.2267-01	.2783-01	.2783-01	.9500	.1032-02	.1267-02	.1976	1.784	518.2
535	180.00	.55000	185.00	.2416-01	.2990-01	.2990-01	.9500	.1100-02	.1361-02	.2031	1.757	525.0
535	180.00	.60000	186.00	.2062-01	.2572-01	.2572-01	.9500	.9387-03	.1171-02	.1680	1.507	530.7
535	180.00	.65000	187.00	.1999-01	.2510-01	.2510-01	.9500	.9101-03	.1143-02	.1586	1.479	535.4
535	180.00	.70000	188.00	.1985-01	.2497-01	.2497-01	.9500	.9035-03	.1137-02	.1561	1.396	536.9
535	180.00	.75000	189.00	.1969-01	.2481-01	.2481-01	.9500	.8963-03	.1129-02	.1541	1.351	537.7
535	180.00	.80000	190.00	.4376-01	.5615-01	.5615-01	.9500	.1992-02	.2556-02	.3203	3.095	548.9
536	315.00	.40000	234.00	.1270-01	.1564-01	.1564-01	.9500	.5777-03	.7112-03	.1092	.8209	520.6
536	315.00	.45000	235.00	.2353-01	.2898-01	.2898-01	.9500	.1070-02	.1318-02	.2017	1.516	521.1
536	315.00	.50000	236.00	.3401-01	.4195-01	.4195-01	.9500	.1547-02	.1908-02	.2899	1.814	522.2
536	315.00	.55000	237.00	.3308-01	.4104-01	.4104-01	.9500	.1504-02	.1866-02	.2752	1.767	526.7

IH102 60-0 FUSELAGE (R4WA29)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
536	315.00	.60000	238.00	.2777-01	.3469-01	.3469-01	.9500	.1263-02	.1577-02	.2247	1.625	531.7
536	315.00	.65000	239.00	.2749-01	.3455-01	.3455-01	.9500	.1250-02	.1571-02	.2173	1.519	535.9
536	315.00	.70000	240.00	.2426-01	.3056-01	.3056-01	.9500	.1103-02	.1390-02	.1901	1.416	537.4
536	315.00	.75000	241.00	.2418-01	.3052-01	.3052-01	.9500	.1100-02	.1388-02	.1879	1.312	538.8
536	315.00	.80000	242.00	.6351-01	.8202-01	.8202-01	.9500	.2888-02	.3730-02	.4542	3.149	552.4

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
490	3.503	3.010	-5.021	-11.00	33.83	709.7	252.4	.9073	5.754	2344.	.9703-02	.2018-06
491	3.507	3.010	-5.043	-11.03	33.87	709.7	252.4	.9082	5.760	2344.	.9713-02	.2013-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
490	.5320-01	.9719-02
491	.5322-01	.9714-02

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
490	.00000	.20000-01	4.0000	.1807	.2389	.2513	.9424	.9612-02	.1337-01	1.399	7.715	564.1
490	.00000	.50000-01	7.0000	.2366-01	.3140-01	.3468-01	.9355	.1258-02	.1845-02	.1811	1.209	565.8
491	20.000	.10000+00	207.00	.7134-01	.9099-01	.9099-01	.9500	.3797-02	.4843-02	.6239	3.655	545.4
491	20.000	.15000	211.00	.2031	.3142	.3142	.9500	.1081-01	.1672-01	1.084	6.680	609.4
491	22.000	.50000-01	202.00	.1350	.1752	.1752	.9500	.7185-02	.9323-02	1.112	6.160	554.9
491	24.500	.10000+00	208.00	.7339-01	.9419-01	.9419-01	.9500	.3906-02	.5013-02	.6276	3.985	549.0
491	25.500	.15000	212.00	.1522	.2587	.2587	.9500	.8103-02	.1377-01	.6995	5.984	623.5
491	31.500	.20000	215.00	.9947-01	.1447	.1447	.9500	.5294-02	.7700-02	.6012	5.932	596.1
491	35.000	.50000-01	203.00	.1597	.2155	.2155	.9500	.8502-02	.1147-01	1.165	7.312	572.6
491	35.000	.20000	216.00	.1076	.1603	.1603	.9500	.5724-02	.8529-02	.6177	6.078	601.8
491	39.000	.10000+00	209.00	.9445-01	.1248	.1248	.9500	.5027-02	.6642-02	.7335	4.623	563.7
491	40.000	.15000	213.00	.2037	.3524	.3524	.9500	.1084-01	.1876-01	.9112	6.499	625.6
491	40.000	.20000	217.00	.1037	.1625	.1625	.9500	.5520-02	.8646-02	.5416	5.834	611.5
491	42.500	.50000-01	204.00	.1801	.2497	.2497	.9500	.9586-02	.1329-01	1.221	8.088	582.3
491	45.500	.15000	214.00	.2184	.3695	.3695	.9500	.1163-01	.1967-01	1.009	5.688	622.9
491	51.000	.20000	218.00	.2057	.3211	.3211	.9500	.1095-01	.1709-01	1.080	6.652	611.0
491	60.000	.50000-01	205.00	.1963	.2744	.2744	.9500	.1045-01	.1460-01	1.303	8.619	585.0
491	67.500	.20000	219.00	.1381	.2130	.2130	.9500	.7348-02	.1134-01	.7410	5.329	608.8
491	96.500	.20000	1220.0	.7754-01	.1026	.1026	.9500	.4127-02	.5460-02	.5998	4.267	564.3

IH102 60-OTS FUSELAGE (R4WA301)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
491	114.00	.40000	388.00	.7310-01	.9895-01	.9895-01	.9500	.3890-02	.5266-02	.5284	3.741	573.8
491	114.00	.45000	389.00	.7852-01	.1037	.1037	.9500	.4179-02	.5517-02	.6115	4.088	563.3
491	114.00	.50000	390.00	.7678-01	.9947-01	.9947-01	.9500	.4087-02	.5294-02	.6357	3.914	554.1
491	114.00	.55000	391.00	.7112-01	.9306-01	.9306-01	.9500	.3785-02	.4953-02	.5695	3.650	559.2
491	114.00	.60000	392.00	.6324-01	.8338-01	.8338-01	.9500	.3366-02	.4438-02	.4944	3.257	562.8
491	114.00	.65000	393.00	.6135-01	.8119-01	.8119-01	.9500	.3265-02	.4321-02	.4742	3.031	564.5
491	114.00	.70000	394.00	.6172-01	.8213-01	.8213-01	.9500	.3285-02	.4371-02	.4690	3.038	566.9
491	114.00	.75000	395.00	.5366-01	.7043-01	.7043-01	.9500	.2856-02	.3748-02	.4256	2.612	560.6
491	114.00	.80000	396.00	.9093-01	.1218	.1218	.9500	.4839-02	.6482-02	.6776	4.383	569.7
491	119.00	.10000+00	210.00	.1163	.1526	.1526	.9500	.6190-02	.8121-02	.9238	5.517	560.4
491	157.50	.40000	223.00	.7116-01	.9216-01	.9216-01	.9500	.3787-02	.4905-02	.5896	3.844	554.0
491	157.50	.45000	224.00	.7073-01	.9027-01	.9027-01	.9500	.3764-02	.4805-02	.6168	4.038	545.8
491	157.50	.50000	225.00	.6255-01	.7950-01	.7950-01	.9500	.3329-02	.4231-02	.5541	3.632	543.2
491	157.50	.55000	226.00	.6175-01	.7925-01	.7925-01	.9500	.3287-02	.4218-02	.5282	3.354	549.0
490	157.50	.60000	227.00	.4299-01	.5690-01	.5690-01	.9500	.2287-02	.3027-02	.3317	2.151	564.6
491	157.50	.65000	228.00	.4905-01	.6394-01	.6394-01	.9500	.2610-02	.3403-02	.3977	2.708	557.3
491	157.50	.70000	229.00	.4274-01	.5569-01	.5569-01	.9500	.2275-02	.2964-02	.3469	2.559	557.2
491	157.50	.75000	230.00	.4400-01	.5723-01	.5723-01	.9500	.2342-02	.3046-02	.3595	2.653	556.2
491	157.50	.80000	231.00	.9672-01	.1315	.1315	.9500	.5148-02	.7000-02	.6903	4.731	575.6
490	180.00	.10000-01	169.00	.3924	.6449	.6449	.9500	.2088-01	.3431-01	1.892	12.31	619.0
490	180.00	.25000-01	170.00	.2255	.3197	.3197	.9500	.1205-01	.1701-01	1.466	10.31	588.0
490	180.00	.50000-01	171.00	.1487	.2003	.2003	.9500	.7908-02	.1065-01	1.089	6.838	571.9
490	180.00	.75000-01	172.00	.1126	.1480	.1480	.9500	.5989-02	.7872-02	.8885	5.606	561.3
490	180.00	.10000+00	173.00	.8097-01	.1057	.1057	.9500	.4307-02	.5620-02	.6542	4.257	557.8
490	180.00	.12500	174.00	.6842-01	.8966-01	.8966-01	.9500	.3639-02	.4769-02	.5451	3.765	559.9
490	180.00	.15000	175.00	.2458	.3634	.3634	.9500	.1308-01	.1933-01	1.434	9.709	600.0
490	180.00	.16000	176.00	.4356	.7812	.7812	.9500	.2317-01	.4156-01	1.859	9.924	629.5
490	180.00	.17000	177.00	.5173	.9451	.9451	.9500	.2752-01	.5027-01	2.157	11.51	631.3
490	180.00	.18000	178.00	.3425	.5684	.5684	.9500	.1822-01	.3023-01	1.627	10.58	620.4
490	180.00	.20000	179.00	.1176	.1534	.1534	.9500	.6253-02	.8162-02	.9487	5.830	558.0
490	180.00	.40000	182.00	.4154-01	.5424-01	.5424-01	.9500	.2210-02	.2886-02	.3346	2.847	558.2
490	180.00	.45000	183.00	.4046-01	.5283-01	.5283-01	.9500	.2152-02	.2810-02	.3263	2.776	558.1
490	180.00	.50000	184.00	.3772-01	.4934-01	.4934-01	.9500	.2007-02	.2625-02	.3024	2.675	559.0
490	180.00	.55000	185.00	.3642-01	.4773-01	.4773-01	.9500	.1937-02	.2539-02	.2902	2.466	559.9
490	180.00	.60000	186.00	.3058-01	.4020-01	.4020-01	.9500	.1626-02	.2139-02	.2410	2.129	561.5
490	180.00	.65000	187.00	.2558-01	.3387-01	.3387-01	.9500	.1361-02	.1802-02	.1974	1.813	564.6
490	180.00	.70000	188.00	.2521-01	.3343-01	.3343-01	.9500	.1341-02	.1778-02	.1935	1.706	565.4
490	180.00	.75000	189.00	.1925-01	.2560-01	.2560-01	.9500	.1024-02	.1362-02	.1464	1.265	566.6
490	180.00	.80000	190.00	.4193-01	.5781-01	.5781-01	.9500	.2230-02	.3075-02	.2881	2.740	580.5
491	315.00	.40000	234.00	.6482-01	.8438-01	.8438-01	.9500	.3450-02	.4491-02	.5282	3.898	556.6
491	315.00	.45000	235.00	.6549-01	.8449-01	.8449-01	.9500	.3485-02	.4497-02	.5499	4.067	551.9
491	315.00	.50000	236.00	.7172-01	.9161-01	.9161-01	.9500	.3817-02	.4876-02	.6241	3.858	546.2
491	315.00	.55000	237.00	.6489-01	.8358-01	.8358-01	.9500	.3453-02	.4448-02	.5479	3.475	551.0

IH102 60-OTS FUSELAGE (R4WA30)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
491	315.00	.60000	238.00	.5042-01	.6549-01	.6549-01	.9500	.2684-02	.3486-02	.4139	2.958	555.4
491	315.00	.65000	239.00	.5237-01	.6850-01	.6850-01	.9500	.2787-02	.3646-02	.4200	2.902	559.0
491	315.00	.70000	240.00	.4711-01	.6168-01	.6168-01	.9500	.2507-02	.3283-02	.3766	2.775	559.5
491	315.00	.75000	241.00	.5400-01	.7064-01	.7064-01	.9500	.2874-02	.3760-02	.4329	2.991	559.0
491	315.00	.80000	242.00	.1045	.1446	.1446	.9500	.5561-02	.7699-02	.7107	4.855	581.9

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
501	1.037	3.010	-5.026	-6.020	9.67	692.7	246.3	.2594	1.645	2316.	.2842-02	.1972-06
502	1.044	3.010	-4.963	-5.944	9.72	691.7	246.0	.2607	1.653	2314.	.2850-02	.1970-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
501	.2832-01	.1790-01
502	.2838-01	.1784-01

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
501	.00000	.20000-01	4.0000	.1696	.2181	.2220	.9424	.4804-02	.6457-02	.7489	4.186	536.8
501	.00000	.50000-01	7.0000	.2363-01	.3035-01	.3307-01	.9355	.6691-03	.9365-03	.1046	.7090	536.3
502	20.000	.10000+00	207.00	.4954-01	.6401-01	.6401-01	.9500	.1406-02	.1817-02	.2151	1.265	538.7
502	20.000	.15000	211.00	.1897	.2552	.2552	.9500	.5385-02	.7244-02	.7258	4.590	556.9
502	22.000	.50000-01	202.00	.9368-01	.1203	.1203	.9500	.2659-02	.3415-02	.4156	2.325	535.4
502	24.500	.10000+00	208.00	.3478-01	.4489-01	.4489-01	.9500	.9871-03	.1274-02	.1515	.9671	538.2
502	25.500	.15000	212.00	.1305	.1805	.1805	.9500	.3705-02	.5123-02	.4628	4.077	566.8
502	31.500	.20000	215.00	.7979-01	.1048	.1048	.9500	.2265-02	.2974-02	.3284	3.321	546.7
502	35.000	.50000-01	203.00	.1308	.1698	.1698	.9500	.3712-02	.4820-02	.5586	3.561	541.2
502	35.000	.20000	216.00	.8748-01	.1156	.1156	.9500	.2483-02	.3280-02	.3534	3.569	549.3
502	39.000	.10000+00	209.00	.5521-01	.7196-01	.7196-01	.9500	.1567-02	.2043-02	.2328	1.482	543.1
502	40.000	.15000	213.00	.8872-01	.1208	.1208	.9500	.2518-02	.3430-02	.3277	2.412	561.5
502	40.000	.20000	217.00	.8908-01	.1191	.1191	.9500	.2529-02	.3381-02	.3469	3.844	554.5
502	42.500	.50000-01	204.00	.1524	.1996	.1996	.9500	.4326-02	.5664-02	.6333	4.273	545.3
502	45.500	.15000	214.00	.4274-01	.5611-01	.5611-01	.9500	.1213-02	.1593-02	.1762	1.032	546.5
502	51.000	.20000	218.00	.1659	.2237	.2237	.9500	.4708-02	.6351-02	.6297	3.980	557.9
502	60.000	.50000-01	205.00	.1801	.2378	.2378	.9500	.5112-02	.6749-02	.7287	4.907	549.1
502	67.500	.20000	219.00	.1247-01	.1611-01	.1611-01	.9500	.3539-03	.4574-03	.5410-01	.4028	538.8
502	96.500	.20000	1220.0	.5507-01	.7145-01	.7145-01	.9500	.1563-02	.2028-02	.2358	1.697	540.8

IH102 60-OTS FUSELAGE (R4WA31)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
502	114.00	.40000	388.00	.7141-01	.9113-01	.9113-01	.9500	.2027-02	.2587-02	.3239	2.342	531.9
502	114.00	.45000	389.00	.7283-01	.9163-01	.9163-01	.9500	.2067-02	.2601-02	.3486	2.379	523.1
502	114.00	.50000	390.00	.6095-01	.7636-01	.7636-01	.9500	.1730-02	.2167-02	.2966	1.858	520.2
502	114.00	.55000	391.00	.5367-01	.6799-01	.6739-01	.9500	.1523-02	.1930-02	.2501	1.628	527.5
502	114.00	.60000	392.00	.4967-01	.6345-01	.6345-01	.9500	.1410-02	.1801-02	.2245	1.501	532.4
502	114.00	.65000	393.00	.5049-01	.6497-01	.6497-01	.9500	.1433-02	.1844-02	.2224	1.442	536.5
502	114.00	.70000	394.00	.4534-01	.5843-01	.5843-01	.9500	.1287-02	.1658-02	.1986	1.306	537.3
502	114.00	.75000	395.00	.4355-01	.5590-01	.5590-01	.9500	.1236-02	.1587-02	.1935	1.203	535.1
502	114.00	.80000	396.00	.6591-01	.8549-01	.8549-01	.9500	.1871-02	.2427-02	.2824	1.854	540.7
502	119.00	.10000+00	210.00	.1006	.1298	.1298	.9500	.2855-02	.3683-02	.4390	2.651	537.9
502	157.50	.40000	223.00	.2197-01	.2729-01	.2729-01	.9500	.6237-03	.7745-03	.1107	.7367	514.1
502	157.50	.45000	224.00	.4438-01	.5505-01	.5505-01	.9500	.1260-02	.1562-02	.2249	1.497	513.1
502	157.50	.50000	225.00	.5203-01	.6487-01	.6487-01	.9500	.1477-02	.1841-02	.2580	1.714	517.0
502	157.50	.55000	226.00	.5392-01	.6813-01	.6813-01	.9500	.1530-02	.1934-02	.2537	1.630	525.9
501	157.50	.60000	227.00	.5042-01	.6459-01	.6459-01	.9500	.1428-02	.1829-02	.2255	1.484	534.8
502	157.50	.65000	228.00	.4840-01	.6231-01	.6231-01	.9500	.1374-02	.1769-02	.2128	1.464	536.8
502	157.50	.70000	229.00	.4095-01	.5279-01	.5279-01	.9500	.1162-02	.1498-02	.1793	1.336	537.4
502	157.50	.75000	230.00	.3873-01	.4986-01	.4986-01	.9500	.1099-02	.1415-02	.1703	1.269	536.8
502	157.50	.80000	231.00	.9981-01	.1320	.1320	.9500	.2833-02	.3747-02	.4018	2.789	549.9
501	180.00	.10000-01	169.00	.4216	.5985	.5985	.9500	.1194-01	.1695-01	1.399	9.298	575.5
501	180.00	.25000-01	170.00	.2334	.3105	.3105	.9500	.6611-02	.8792-02	.9229	6.602	553.1
501	180.00	.50000-01	171.00	.1558	.2015	.2015	.9500	.4413-02	.5708-02	.6737	4.297	540.0
501	180.00	.75000-01	172.00	.1179	.1503	.1503	.9500	.3339-02	.4258-02	.5363	3.434	532.1
501	180.00	.10000+00	173.00	.8200-01	.1042	.1042	.9500	.2322-02	.2951-02	.3776	2.492	530.1
501	180.00	.12500	174.00	.6751-01	.8587-01	.8587-01	.9500	.1912-02	.2432-02	.3098	2.172	530.6
501	180.00	.15000	175.00	.1962	.2563	.2563	.9500	.5557-02	.7260-02	.8205	5.710	545.0
501	180.00	.16000	176.00	.4368	.6224	.6224	.9500	.1237-01	.1763-01	1.436	7.871	576.5
501	180.00	.17000	177.00	.5425	.7687	.7687	.9500	.1537-01	.2177-01	1.809	9.920	574.9
501	180.00	.18000	178.00	.3258	.4488	.4488	.9500	.9226-02	.1271-01	1.166	7.783	566.3
501	180.00	.20000	179.00	.9770-01	.1242	.1242	.9500	.2767-02	.3518-02	.4490	2.798	530.4
501	180.00	.40000	182.00	.2203-01	.2743-01	.2743-01	.9500	.6238-03	.7769-03	.1096	.9522	517.0
501	180.00	.45000	183.00	.4127-01	.5141-01	.5141-01	.9500	.1169-02	.1456-02	.2052	1.793	517.1
501	180.00	.50000	184.00	.3462-01	.4329-01	.4329-01	.9500	.9805-03	.1226-02	.1695	1.530	519.7
501	180.00	.55000	185.00	.3559-01	.4491-01	.4491-01	.9500	.1008-02	.1272-02	.1681	1.454	525.8
501	180.00	.60000	186.00	.2538-01	.3228-01	.3228-01	.9500	.7187-03	.9142-03	.1164	1.044	530.7
501	180.00	.65000	187.00	.3059-01	.3825-01	.3825-01	.9500	.8664-03	.1112-02	.1360	1.268	535.7
501	180.00	.70000	188.00	.3089-01	.3972-01	.3972-01	.9500	.8749-03	.1125-02	.1363	1.219	536.8
501	180.00	.75000	189.00	.3009-01	.3874-01	.3874-01	.9500	.8520-03	.1097-02	.1320	1.157	537.7
501	180.00	.80000	190.00	.5986-01	.7876-01	.7876-01	.9500	.1695-02	.2231-02	.2447	2.365	548.3
502	315.00	.40000	234.00	.4899-01	.6157-01	.6157-01	.9500	.1391-02	.1748-02	.2354	1.768	522.4
502	315.00	.45000	235.00	.5935-01	.7421-01	.7421-01	.9500	.1684-02	.2106-02	.2908	2.187	519.0
502	315.00	.50000	236.00	.6232-01	.7782-01	.7782-01	.9500	.1769-02	.2209-02	.3072	1.927	518.0
502	315.00	.55000	237.00	.6120-01	.7736-01	.7736-01	.9500	.1737-02	.2196-02	.2876	1.847	526.1

IH102 60-OTS FUSELAGE (R4WA31)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
502	315.00	.60000	238.00	.4771-01	.6093-01	.6093-01	.9500	.1354-02	.1730-02	.2157	1.559	532.4
502	315.00	.65000	239.00	.4593-01	.5908-01	.5908-01	.9500	.1304-02	.1677-02	.2025	1.415	536.3
502	315.00	.70000	240.00	.3991-01	.5138-01	.5138-01	.9500	.1133-02	.1458-02	.1755	1.308	536.7
502	315.00	.75000	241.00	.4312-01	.5542-01	.5542-01	.9500	.1224-02	.1573-02	.1908	1.334	535.8
502	315.00	.80000	242.00	.1098	.1455	.1455	.9500	.3117-02	.4129-02	.4398	3.052	550.6

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
483	3.541	3.010	-4.988	-5.949	34.12	708.7	252.0	.9151	5.804	2342.	.9801-02	.2015-06
484	3.532	3.010	-4.981	-5.945	34.04	708.7	252.0	.9129	5.790	2342.	.9777-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
483	.5341-01	.9668-02
484	.5335-01	.9680-02

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
483	.00000	.20000-01	4.0000	.1759	.2306	.2420	.9424	.9398-02	.1292-01	1.405	7.769	559.1
483	.00000	.50000-01	7.0000	.5698-01	.7230-01	.7838-01	.9356	.3044-02	.4187-02	.5091	3.442	541.4
484	20.000	.10000+00	207.00	.3032-01	.4116-01	.4463-01	.9500	.1618-02	.2196-02	.2178	1.258	574.0
484	20.000	.15000	211.00	.1903	.2797	.2797	.9500	.1015-01	.1492-01	1.125	6.970	597.8
484	22.000	.50000-01	202.00	.9051-01	.1228	.1229	.9500	.4829-02	.6548-02	.6515	3.575	573.8
484	24.500	.10000+00	208.00	.1244-01	.1674-01	.1674-01	.9500	.6637-03	.8929-03	.9163-01	.5755	570.6
484	25.500	.15000	212.00	.1737	.2919	.2919	.9500	.9267-02	.1557-01	.8111	6.957	621.1
484	31.500	.20000	215.00	.9467-01	.1320	.1320	.9500	.5050-02	.7044-02	.6322	6.277	583.5
484	35.000	.50000-01	203.00	.1229	.1697	.1697	.9500	.6557-02	.9053-02	.8426	5.267	580.2
484	35.000	.20000	216.00	.1041	.1475	.1475	.9500	.5556-02	.7869-02	.6696	6.633	588.1
484	39.000	.10000+00	209.00	.4623-01	.6301-01	.6301-01	.9500	.2466-02	.3362-02	.3280	2.055	575.7
484	40.000	.15000	213.00	.1283	.2085	.2085	.9500	.6843-02	.1112-01	.6303	4.515	616.6
484	40.000	.20000	217.00	.1036	.1526	.1526	.9500	.5528-02	.8143-02	.6100	6.614	598.3
484	42.500	.50000-01	204.00	.1617	.2257	.2257	.9500	.8624-02	.1204-01	1.077	7.129	583.8
484	45.500	.15000	214.00	.3443-01	.4729-01	.4729-01	.9500	.1837-02	.2523-02	.2392	1.379	578.4
484	51.000	.20000	218.00	.2078	.3152	.3152	.9500	.1108-01	.1681-01	1.153	7.118	604.7
484	60.000	.50000-01	205.00	.1733	.2469	.2469	.9500	.9246-02	.1317-01	1.099	7.255	589.8
484	67.500	.20000	219.00	.2235-01	.2982-01	.2982-01	.9500	.1192-02	.1591-02	.1686	1.238	567.2
484	96.500	.20000	1220.0	.1122	.1587	.1587	.9500	.5983-02	.8467-02	.7228	5.082	587.9

IH102 60-OTS FUSELAGE (R4WA31)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
484	114.00	.40000	388.00	.6556-01	.8922-01	.8922-01	.9500	.3497-02	.4759-02	.4674	3.307	575.0
484	114.00	.45000	389.00	.6714-01	.9018-01	.9018-01	.9500	.3582-02	.4811-02	.4966	3.309	570.0
484	114.00	.50000	390.00	.6542-01	.8676-01	.8676-01	.9500	.3490-02	.4628-02	.5029	3.080	564.6
484	114.00	.55000	391.00	.6080-01	.8094-01	.8094-01	.9500	.3243-02	.4318-02	.4618	2.949	566.3
484	114.00	.60000	392.00	.5217-01	.6938-01	.6938-01	.9500	.2783-02	.3701-02	.3976	2.616	565.8
484	114.00	.65000	393.00	.4956-01	.6597-01	.6597-01	.9500	.2644-02	.3519-02	.3766	2.405	566.2
484	114.00	.70000	394.00	.3914-01	.5215-01	.5215-01	.9500	.2088-02	.2782-02	.2966	1.922	566.6
484	114.00	.75000	395.00	.3711-01	.4891-01	.4891-01	.9500	.1980-02	.2609-02	.2907	1.783	561.8
484	114.00	.80000	396.00	.7903-01	.1098	.1098	.9500	.4216-02	.5857-02	.5332	3.428	582.2
484	119.00	.10000+00	210.00	.1057	.1400	.1400	.9500	.5638-02	.7469-02	.8150	4.858	564.1
484	157.50	.40000	223.00	.5308-01	.7026-01	.7026-01	.9500	.2831-02	.3748-02	.4102	2.661	563.8
484	157.50	.45000	224.00	.5553-01	.7358-01	.7358-01	.9500	.2962-02	.3925-02	.4278	2.774	564.3
484	157.50	.50000	225.00	.4769-01	.6291-01	.6291-01	.9500	.2544-02	.3356-02	.3726	2.419	562.2
484	157.50	.55000	226.00	.5816-01	.7765-01	.7765-01	.9500	.3103-02	.4142-02	.4381	2.756	567.5
483	157.50	.60000	227.00	.6896-01	.9252-01	.9252-01	.9500	.3683-02	.4942-02	.5126	3.316	569.5
484	157.50	.65000	228.00	.5295-01	.7168-01	.7168-01	.9500	.2825-02	.3824-02	.3831	2.588	573.0
484	157.50	.70000	229.00	.3880-01	.5236-01	.5236-01	.9500	.2070-02	.2793-02	.2832	2.074	571.8
484	157.50	.75000	230.00	.3570-01	.4839-01	.4839-01	.9500	.1904-02	.2581-02	.2572	1.882	573.6
484	157.50	.80000	231.00	.9225-01	.1324	.1324	.9500	.4921-02	.7061-02	.5755	3.912	591.7
483	180.00	.10000-01	169.00	.3927	.6659	.6659	.9500	.2098-01	.3557-01	1.812	11.77	622.3
483	180.00	.25000-01	170.00	.2327	.3305	.3305	.9500	.1243-01	.1765-01	1.489	10.46	588.9
483	180.00	.50000-01	171.00	.1564	.2099	.2099	.9500	.8356-02	.1121-01	1.163	7.311	569.5
483	180.00	.75000-01	172.00	.1122	.1471	.1471	.9500	.5994-02	.7858-02	.8955	5.656	559.3
483	180.00	.10000+00	173.00	.8218-01	.1065	.1065	.9500	.4389-02	.5689-02	.6807	4.439	553.6
483	180.00	.12500	174.00	.6930-01	.9016-01	.9016-01	.9500	.3702-02	.4816-02	.5671	3.925	555.5
483	180.00	.15000	175.00	.2331	.3418	.3418	.9500	.1245-01	.1826-01	1.387	9.405	597.3
483	180.00	.16000	176.00	.4580	.9086	.9086	.9500	.2446-01	.4853-01	1.748	9.295	637.2
483	180.00	.17000	177.00	.5532	1.138	1.138	.9500	.2955-01	.6078-01	2.037	10.82	639.7
483	180.00	.18000	178.00	.3587	.6435	.6435	.9500	.1916-01	.3437-01	1.534	9.930	628.6
483	180.00	.20000	179.00	.1280	.1676	.1676	.9500	.6834-02	.8954-02	1.023	6.284	559.0
483	180.00	.40000	182.00	.5768-01	.7522-01	.7522-01	.9500	.3081-02	.4018-02	.4080	3.985	556.7
483	180.00	.45000	183.00	.5718-01	.7442-01	.7442-01	.9500	.3054-02	.3975-02	.4670	3.978	555.7
483	180.00	.50000	184.00	.5412-01	.7056-01	.7056-01	.9500	.2891-02	.3769-02	.4396	3.893	556.6
483	180.00	.55000	185.00	.5125-01	.6675-01	.6675-01	.9500	.2737-02	.3565-02	.4175	3.556	556.1
483	180.00	.60000	186.00	.4187-01	.5450-01	.5450-01	.9500	.2236-02	.2911-02	.3419	3.029	555.8
483	180.00	.65000	187.00	.5038-01	.6621-01	.6621-01	.9500	.2691-02	.3536-02	.3987	3.671	560.5
483	180.00	.70000	188.00	.5600-01	.7442-01	.7442-01	.9500	.2991-02	.3975-02	.4283	3.776	565.5
483	180.00	.75000	189.00	.5101-01	.6788-01	.6788-01	.9500	.2724-02	.3626-02	.3884	3.356	566.1
483	180.00	.80000	190.00	.6570-01	.9035-01	.9035-01	.9500	.3509-02	.4826-02	.4557	4.338	578.8
484	315.00	.40000	234.00	.5172-01	.6857-01	.6857-01	.9500	.2759-02	.3658-02	.3978	2.924	564.5
484	315.00	.45000	235.00	.6221-01	.8346-01	.8346-01	.9500	.3319-02	.4452-02	.4618	3.385	569.5
484	315.00	.50000	236.00	.7339-01	.9745-01	.9745-01	.9500	.3915-02	.5199-02	.5619	3.440	565.2
484	315.00	.55000	237.00	.6301-01	.8370-01	.8370-01	.9500	.3361-02	.4465-02	.4818	3.034	566.3

IH102 60-OTS FUSELAGE (R4WA31)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
484	315.00	.60000	238.00	.5107-01	.6816-01	.6816-01	.9500	.2724-02	.3636-02	.3851	2.735	567.3
484	315.00	.65000	239.00	.5012-01	.6717-01	.6717-01	.9500	.2674-02	.3583-02	.3733	2.566	569.1
484	315.00	.70000	240.00	.4231-01	.5673-01	.5673-01	.9500	.2257-02	.3026-02	.3147	2.308	569.2
484	315.00	.75000	241.00	.4201-01	.5659-01	.5659-01	.9500	.2241-02	.3019-02	.3082	2.117	571.1
484	315.00	.80000	242.00	.1029	.1496	.1496	.9500	.5489-02	.7979-02	.6231	4.229	595.1

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
498	1.036	3.010	-4.926	-.1717-02	9.697	694.7	247.0	.2601	1.649	2319.	.2841-02	.1978-06
499	1.034	3.010	-4.936	.0000	9.661	693.7	246.7	.2591	1.643	2318.	.2835-02	.1975-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
498	.2837-01	.1791-01
499	.2831-01	.1792-01

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
498	.00000	.20000-01	4.0000	.1518	.1931	.2014	.9425	.4306-02	.5713-02	.6989	3.915	532.4
498	.00000	.50000-01	7.0000	.4113-01	.5155-01	.5561-01	.9356	.1167-02	.1578-02	.2006	1.369	522.8
499	20.000	.10000+00	207.00	.7393-01	.9656-01	.9656-01	.9500	.2093-02	.2734-02	.3098	1.815	545.7
499	20.000	.15000	211.00	.1807	.2426	.2426	.9500	.5115-02	.6869-02	.6950	4.393	557.8
499	22.000	.50000-01	202.00	.7520-01	.9708-01	.9708-01	.9500	.2129-02	.2749-02	.3276	1.829	539.8
499	24.500	.10000+00	208.00	.3817-01	.4969-01	.4969-01	.9500	.1081-02	.1407-02	.1617	1.029	544.0
499	25.500	.15000	212.00	.1103	.1509	.1509	.9500	.3122-02	.4273-02	.4020	3.545	564.9
499	31.500	.20000	215.00	.6165-01	.8048-01	.8048-01	.9500	.1746-02	.2279-02	.2588	2.619	545.4
499	35.000	.50000-01	203.00	.9192-01	.1198	.1198	.9500	.2603-02	.3392-02	.3878	2.467	544.7
499	35.000	.20000	216.00	.6520-01	.8542-01	.8542-01	.9500	.1846-02	.2419-02	.2705	2.735	547.1
499	39.000	.10000+00	209.00	.2599-01	.3368-01	.3368-01	.9500	.7358-03	.9535-03	.1118	.7125	541.7
499	40.000	.15000	213.00	.7659-01	.1022	.1022	.9500	.2168-02	.2894-02	.2999	2.215	555.4
499	40.000	.20000	217.00	.6232-01	.8257-01	.8257-01	.9500	.1764-02	.2338-02	.2495	2.768	552.2
499	42.500	.50000-01	204.00	.1206	.1580	.1580	.9500	.3414-02	.4474-02	.4997	3.368	547.3
499	45.500	.15000	214.00	.2918-01	.3808-01	.3808-01	.9500	.8263-03	.1078-02	.1227	.7190	545.2
499	51.000	.20000	218.00	.6570-01	.8586-01	.8586-01	.9500	.1860-02	.2431-02	.2749	1.748	545.9
499	60.000	.50000-01	205.00	.1578	.2083	.2083	.9500	.4467-02	.5899-02	.6382	4.294	550.8
499	96.500	.20000	1220.0	.5058-01	.6535-01	.6535-01	.9500	.1432-02	.1850-02	.2198	1.583	540.2
499	114.00	.40000	388.00	.5711-01	.7283-01	.7283-01	.9500	.1617-02	.2062-02	.2600	1.879	532.9

IH102 60-OTS FUSELAGE (R4WA32)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
499	114.00	.45000	389.00	.6864-01	.8625-01	.8625-01	.9500	.1943-02	.2442-02	.3301	2.251	523.8
499	114.00	.50000	390.00	.5804-01	.7265-01	.7265-01	.9500	.1643-02	.2057-02	.2833	1.774	521.3
499	114.00	.55000	391.00	.5047-01	.6391-01	.6391-01	.9500	.1429-02	.1809-02	.2357	1.534	528.7
499	114.00	.60000	392.00	.4922-01	.6293-01	.6293-01	.9500	.1393-02	.1782-02	.2218	1.482	534.5
499	114.00	.65000	393.00	.5058-01	.6518-01	.6518-01	.9500	.1432-02	.1846-02	.2216	1.435	538.9
499	114.00	.70000	394.00	.4819-01	.6233-01	.6233-01	.9500	.1364-02	.1765-02	.2086	1.369	540.8
499	114.00	.75000	395.00	.5068-01	.6535-01	.6535-01	.9500	.1435-02	.1850-02	.2218	1.376	539.1
499	114.00	.80000	396.00	.7984-01	.1041	.1041	.9500	.2260-02	.2948-02	.3360	2.201	545.0
499	119.00	.10000+00	210.00	.9359-01	.1204	.1204	.9500	.2650-02	.3409-02	.4126	2.492	537.9
499	157.50	.40000	223.00	.1709-01	.2127-01	.2127-01	.9500	.4839-03	.6023-03	.8539-01	.5672	517.2
499	157.50	.45000	224.00	.2042-01	.2528-01	.2528-01	.9500	.5782-03	.7156-03	.1045	.6954	513.0
499	157.50	.50000	225.00	.1316-01	.1630-01	.1630-01	.9500	.3726-03	.4614-03	.6714-01	.4468	513.5
499	157.50	.55000	226.00	.4449-02	.5560-02	.5560-02	.9500	.1260-03	.1574-03	.2187-01	.1409	520.0
498	157.50	.60000	227.00	.8673-02	.1089-01	.1089-01	.9500	.2461-03	.3089-03	.4201-01	.2781	523.9
499	157.50	.65000	228.00	.2275-01	.2922-01	.2922-01	.9500	.6441-03	.8272-03	.1009	.6944	537.0
499	157.50	.70000	229.00	.3511-01	.4535-01	.4535-01	.9500	.9941-03	.1284-02	.1527	1.136	540.1
499	157.50	.75000	230.00	.4058-01	.5255-01	.5255-01	.9500	.1149-02	.1488-02	.1749	1.300	541.4
499	157.50	.80000	231.00	.1023	.1355	.1355	.9500	.2896-02	.3836-02	.4097	2.841	552.2
498	180.00	.10000-01	169.00	.4171	.5802	.5802	.9500	.1183-01	.1646-01	1.462	9.736	571.1
498	180.00	.25000-01	170.00	.2356	.3080	.3080	.9500	.6685-02	.8739-02	.9879	7.089	546.9
498	180.00	.50000-01	171.00	.1550	.1975	.1975	.9500	.4398-02	.5604-02	.7094	4.540	533.4
498	180.00	.75000-01	172.00	.1145	.1442	.1442	.9500	.3249-02	.4091-02	.5483	3.522	525.9
498	180.00	.10000+00	173.00	.7931-01	.9999-01	.9999-01	.9500	.2259-02	.2837-02	.3849	2.548	524.3
498	180.00	.12500	174.00	.6918-01	.8716-01	.8716-01	.9500	.1963-02	.2473-02	.3305	2.322	526.3
498	180.00	.15000	175.00	.1509	.1936	.1936	.9500	.4282-02	.5492-02	.6752	4.717	537.0
498	180.00	.16000	176.00	.3508	.4824	.4824	.9500	.9954-02	.1369-01	1.268	6.978	567.3
498	180.00	.17000	177.00	.3994	.5483	.5483	.9500	.1133-01	.1556-01	1.449	7.981	566.8
498	180.00	.18000	178.00	.2566	.3455	.3455	.9500	.7281-02	.9804-02	.9829	6.584	559.7
498	180.00	.20000	179.00	.9340-01	.1181	.1181	.9500	.2650-02	.3351-02	.4401	2.745	528.6
498	180.00	.40000	182.00	.8687-02	.1067-01	.1067-01	.9500	.2465-03	.3028-03	.4606-01	.4020	507.8
498	180.00	.45000	183.00	.6193-02	.7581-02	.7581-02	.9500	.1757-03	.2151-03	.3333-01	.2913	505.0
498	180.00	.50000	184.00	.1202-02	.1478-02	.1478-02	.9500	.3411-04	.4193-04	.6355-02	.5767-01	508.4
498	180.00	.55000	185.00	.3628-02	.4513-02	.4513-02	.9500	.1029-03	.1281-03	.1823-01	.1584	517.5
498	180.00	.60000	186.00	.1124-01	.1416-01	.1416-01	.9500	.3190-03	.4018-03	.5374-01	.4832	526.2
498	180.00	.65000	187.00	.2721-01	.3463-01	.3463-01	.9500	.7719-03	.9827-03	.1250	1.167	532.7
498	180.00	.70000	188.00	.3699-01	.4726-01	.4726-01	.9500	.1050-02	.1341-02	.1678	1.502	534.8
498	180.00	.75000	189.00	.3845-01	.4919-01	.4919-01	.9500	.1091-02	.1396-02	.1735	1.522	535.7
498	180.00	.80000	190.00	.4470-01	.5824-01	.5824-01	.9500	.1268-02	.1652-02	.1895	1.834	545.3
499	315.00	.40000	234.00	.5321-02	.6599-02	.6599-02	.9500	.1506-03	.1868-03	.2696-01	.2033	514.7
499	315.00	.45000	235.00	.1844-01	.2288-01	.2288-01	.9500	.5220-03	.6477-03	.9326-01	.7029	515.0
499	315.00	.50000	236.00	.5065-01	.6326-01	.6326-01	.9500	.1434-02	.1791-02	.2494	1.563	519.7
499	315.00	.55000	237.00	.4983-01	.6291-01	.6291-01	.9500	.1411-02	.1781-02	.2353	1.511	526.9
499	315.00	.60000	238.00	.3900-01	.4973-01	.4973-01	.9500	.1104-02	.1408-02	.1775	1.282	532.9

IH102 60-OTS FUSELAGE (R4HA32)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
499	315.00	.65000	239.00	.3708-01	.4764-01	.4764-01	.9500	.1050-02	.1349-02	.1642	1.147	537.2
499	315.00	.70000	240.00	.3517-01	.4529-01	.4529-01	.9500	.9959-03	.1282-02	.1547	1.152	538.4
499	315.00	.75000	241.00	.4030-01	.5190-01	.5190-01	.9500	.1141-02	.1469-02	.1771	1.237	538.4
499	315.00	.80000	242.00	.1125	.1484	.1484	.9500	.3186-02	.4201-02	.4575	3.175	550.1

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
472	3.513	3.010	-4.930	-.1719-02	33.93	709.7	252.4	.9098	5.770	2344.	.9730-02	.2018-06
473	3.518	3.010	-4.936	.0000	33.90	708.7	252.0	.9092	5.766	2342.	.9737-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
472	.5327-01	.9705-02
473	.5324-01	.9700-02

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
472	.00000	.20000-01	4.0000	.1701	.2226	.2335	.9425	.9060-02	.1244-01	1.362	7.529	559.3
472	.00000	.50000-01	7.0000	.5376-01	.6798-01	.7359-01	.9356	.2864-02	.3920-02	.4858	3.286	540.0
473	20.000	.10000+00	207.00	.9353-01	.1316	.1316	.9500	.4979-02	.7005-02	.6101	3.502	586.1
473	20.000	.15000	211.00	.2131	.3261	.3261	.9500	.1134-01	.1736-01	1.159	7.155	606.5
473	22.000	.50000-01	202.00	.7741-01	.1030	.1030	.9500	.4121-02	.5484-02	.5876	3.236	566.1
473	24.500	.10000+00	208.00	.5978-01	.8291-01	.8291-01	.9500	.3182-02	.4414-02	.4042	2.525	581.7
473	25.500	.15000	212.00	.1309	.2074	.2074	.9500	.6970-02	.1104-01	.6695	5.766	612.6
473	31.500	.20000	215.00	.8853-01	.1249	.1249	.9500	.4713-02	.6651-02	.5731	5.680	587.1
473	35.000	.50000-01	203.00	.9424-01	.1280	.1280	.9500	.5017-02	.6814-02	.6740	4.225	574.3
473	35.000	.20000	216.00	.9157-01	.1311	.1311	.9500	.4875-02	.6978-02	.5732	5.670	591.1
473	39.000	.10000+00	209.00	.3119-01	.4157-01	.4157-01	.9500	.1661-02	.2213-02	.2357	1.483	566.7
473	40.000	.15000	213.00	.8409-01	.1237	.1237	.9500	.4477-02	.6584-02	.4956	3.583	598.0
473	40.000	.20000	217.00	.8261-01	.1222	.1222	.9500	.4398-02	.6507-02	.4807	5.209	599.4
473	42.500	.50000-01	204.00	.1205	.1665	.1665	.9500	.6413-02	.8962-02	.8224	5.452	580.4
473	45.500	.15000	214.00	.4903-01	.6805-01	.6805-01	.9500	.2610-02	.3623-02	.3310	1.904	581.9
473	51.000	.20000	218.00	.8433-01	.1173	.1173	.9500	.4490-02	.6247-02	.5654	3.530	582.7
473	60.000	.50000-01	205.00	.1535	.2172	.2172	.9500	.8171-02	.1157-01	.9863	6.514	588.0
473	67.500	.20000	219.00	.9457-02	.1235-01	.1235-01	.9500	.5035-03	.6574-03	.7617-01	.5619	557.4
473	96.500	.20000	1220.0	.7757-01	.1073	.1073	.9500	.4130-02	.5713-02	.5279	3.725	580.8

IH102 60-OTS FUSELAGE (R4WA32)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
473	114.00	.40000	388.00	.5268-01	.7052-01	.7052-01	.9500	.2805-02	.3754-02	.3929	2.789	568.6
473	114.00	.45000	389.00	.7636-01	.1035	.1035	.9500	.4065-02	.5511-02	.5492	3.653	573.6
473	114.00	.50000	390.00	.8900-01	.1194	.1194	.9500	.4738-02	.6359-02	.6586	4.024	569.7
473	114.00	.55000	391.00	.8342-01	.1126	.1126	.9500	.4441-02	.5993-02	.6078	3.871	571.8
473	114.00	.60000	392.00	.7390-01	.9967-01	.9967-01	.9500	.3934-02	.5306-02	.5390	3.535	571.7
473	114.00	.65000	393.00	.7516-01	.1018	.1018	.9500	.4001-02	.5420-02	.5418	3.448	573.3
473	114.00	.70000	394.00	.6794-01	.9208-01	.9208-01	.9500	.3617-02	.4902-02	.4889	3.156	573.5
473	114.00	.75000	395.00	.6824-01	.9144-01	.9144-01	.9500	.3633-02	.4868-02	.5074	3.101	569.0
473	114.00	.80000	396.00	.9377-01	.1312	.1312	.9500	.4992-02	.6984-02	.6203	3.983	584.4
473	119.00	.10000+00	210.00	.9051-01	.1199	.1199	.9500	.4818-02	.6382-02	.6968	4.153	564.1
473	157.50	.40000	223.00	.5684-01	.7518-01	.7518-01	.9500	.3026-02	.4002-02	.4396	2.853	563.4
473	157.50	.45000	224.00	.6808-01	.9017-01	.9017-01	.9500	.3624-02	.4800-02	.5242	3.401	564.0
473	157.50	.50000	225.00	.6238-01	.8274-01	.8274-01	.9500	.3321-02	.4405-02	.4782	3.101	564.7
473	157.50	.55000	226.00	.6665-01	.8907-01	.8907-01	.9500	.3548-02	.4742-02	.4994	3.141	567.9
472	157.50	.60000	227.00	.6399-01	.8511-01	.8511-01	.9500	.3409-02	.4534-02	.4874	3.157	566.7
473	157.50	.65000	228.00	.5245-01	.7071-01	.7071-01	.9500	.2792-02	.3765-02	.3831	2.590	571.5
473	157.50	.70000	229.00	.4590-01	.6186-01	.6186-01	.9500	.2444-02	.3293-02	.3356	2.459	571.3
473	157.50	.75000	230.00	.4552-01	.6165-01	.6165-01	.9500	.2424-02	.3282-02	.3282	2.402	573.2
473	157.50	.80000	231.00	.8850-01	.1257	.1257	.9500	.4711-02	.6692-02	.5641	3.840	588.9
472	180.00	.10000-01	169.00	.3812	.6611	.6611	.9500	.2030-01	.3522-01	1.701	11.03	625.9
472	180.00	.25000-01	170.00	.2331	.3345	.3345	.9500	.1242-01	.1782-01	1.454	10.20	592.6
472	180.00	.50000-01	171.00	.1537	.2076	.2076	.9500	.8189-02	.1106-01	1.120	7.029	572.9
472	180.00	.75000-01	172.00	.1076	.1413	.1413	.9500	.5730-02	.7530-02	.8508	5.369	561.2
472	180.00	.10000+00	173.00	.7840-01	.1020	.1020	.9500	.4177-02	.5433-02	.6409	4.174	556.2
472	180.00	.12500	174.00	.6594-01	.8618-01	.8618-01	.9500	.3513-02	.4591-02	.5307	3.667	558.6
472	180.00	.15000	175.00	.1877	.2640	.2640	.9500	.9999-02	.1407-01	1.227	8.362	586.9
472	180.00	.16000	176.00	.4094	.8567	.8567	.9500	.2181-01	.4564-01	1.482	7.865	641.7
472	180.00	.17000	177.00	.5882	1.302	1.302	.9500	.3133-01	.6936-01	2.028	10.75	644.9
472	180.00	.18000	178.00	.3659	.6858	.6858	.9500	.1949-01	.3653-01	1.483	9.578	633.6
472	180.00	.20000	179.00	.1270	.1670	.1670	.9500	.6765-02	.8897-02	1.002	6.145	561.6
472	180.00	.40000	182.00	.6872-01	.8974-01	.8974-01	.9500	.3661-02	.4781-02	.5545	4.718	558.2
472	180.00	.45000	183.00	.6448-01	.8403-01	.8403-01	.9500	.3435-02	.4477-02	.5238	4.459	557.2
472	180.00	.50000	184.00	.5869-01	.7631-01	.7631-01	.9500	.3127-02	.4065-02	.4807	4.258	555.9
472	180.00	.55000	185.00	.5818-01	.7589-01	.7589-01	.9500	.3099-02	.4043-02	.4711	4.009	557.7
472	180.00	.60000	186.00	.5423-01	.7124-01	.7124-01	.9500	.2889-02	.3795-02	.4293	3.793	561.1
472	180.00	.65000	187.00	.5375-01	.7129-01	.7129-01	.9500	.2863-02	.3798-02	.4130	3.792	565.4
472	180.00	.70000	188.00	.5400-01	.7166-01	.7166-01	.9500	.2876-02	.3817-02	.4141	3.650	565.7
472	180.00	.75000	189.00	.5222-01	.6934-01	.6934-01	.9500	.2782-02	.3694-02	.3999	3.455	565.9
472	180.00	.80000	190.00	.7336-01	.1024	.1024	.9500	.3908-02	.5454-02	.4891	4.643	584.5
473	315.00	.40000	234.00	.4730-01	.6210-01	.6210-01	.9500	.2518-02	.3306-02	.3744	2.758	560.0
473	315.00	.45000	235.00	.5379-01	.7126-01	.7126-01	.9500	.2864-02	.3794-02	.4140	3.043	564.1
473	315.00	.50000	236.00	.6597-01	.8653-01	.8653-01	.9500	.3512-02	.4607-02	.5236	3.215	559.6
473	315.00	.55000	237.00	.6103-01	.8034-01	.8034-01	.9500	.3249-02	.4277-02	.4789	3.022	561.3

IH102 60-OTS FUSELAGE (R4WA32)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
473	315.00	.60000	238.00	.5412-01	.7195-01	.7195-01	.9500	.2881-02	.3830-02	.4120	2.929	565.7
473	315.00	.65000	239.00	.5497-01	.7358-01	.7358-01	.9500	.2926-02	.3918-02	.4098	2.818	568.6
473	315.00	.70000	240.00	.5035-01	.6751-01	.6751-01	.9500	.2681-02	.3594-02	.3737	2.740	569.3
473	315.00	.75000	241.00	.4812-01	.6477-01	.6477-01	.9500	.2562-02	.3448-02	.3531	2.425	570.8
473	315.00	.80000	242.00	.1028	.1459	.1459	.9500	.5473-02	.7765-02	.6570	4.473	588.6

FUSELAGE

PARAMETRIC_DATA

MACH = 3.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
486	3.516	3.010	-.1548-01	-10.95	33.96	709.7	252.4	.9106	5.775	2344.	.9739-02	.2018-06
487	3.524	3.010	-.2714-01	-10.97	34.03	709.7	252.4	.9127	5.789	2344.	.9761-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
486	.5329-01	.9701-02
487	.5336-01	.9690-02

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
486	.00000	.20000-01	4.0000	.1761	.2383	.2424	.9476	.9383-02	.1292-01	1.275	6.998	573.8
486	.00000	.50000-01	7.0000	.5398-01	.7010-01	.7559-01	.9378	.2877-02	.4028-02	.4439	2.980	555.4
487	20.000	.10000+00	207.00	.9731-01	.1333	.1333	.9500	.5192-02	.7111-02	.6826	3.935	578.2
487	20.000	.15000	211.00	.1457	.2303	.2303	.9500	.7772-02	.1229-01	.7503	4.615	613.1
487	22.000	.50000-01	202.00	.1213	.1668	.1668	.9500	.6470-02	.8899-02	.8410	4.601	579.7
487	24.500	.10000+00	208.00	.9883-01	.1383	.1383	.9500	.5270-02	.7278-02	.6558	4.089	585.3
487	25.500	.15000	212.00	.8674-01	.1245	.1245	.9500	.4628-02	.6642-02	.5416	4.710	592.7
487	31.500	.20000	215.00	.4552-01	.6525-01	.6525-01	.9500	.2429-02	.3481-02	.2850	2.817	592.3
487	35.000	.50000-01	203.00	.1402	.2043	.2043	.9500	.7481-02	.1090-01	.8459	5.245	596.6
487	35.000	.20000	216.00	.3750-01	.5208-01	.5208-01	.9500	.2001-02	.2779-02	.2535	2.518	582.9
487	39.000	.10000+00	209.00	.7114-01	.1001	.1001	.9500	.3795-02	.5341-02	.4654	2.899	587.0
487	40.000	.15000	213.00	.7311-01	.1090	.1090	.9500	.3901-02	.5814-02	.4207	3.035	601.8
487	40.000	.20000	217.00	.2409-01	.3368-01	.3368-01	.9500	.1285-02	.1797-02	.1602	1.748	585.0
487	42.500	.50000-01	204.00	.1625	.2429	.2429	.9500	.8673-02	.1296-01	.9302	6.100	602.4
487	45.500	.15000	214.00	.7259-01	.1100	.1100	.9500	.3873-02	.5868-02	.4042	2.299	605.3
487	51.000	.20000	218.00	.6531-01	.9682-01	.9682-01	.9500	.3485-02	.5166-02	.3800	2.352	600.6
487	60.000	.50000-01	205.00	.1701	.2491	.2491	.9500	.9077-02	.1329-01	1.016	6.679	597.7
487	67.500	.20000	219.00	.1263	.1968	.1968	.9500	.6737-02	.1050-01	.6669	4.791	610.7
487	96.500	.20000	1220.0	.7566-01	.1058	.1058	.9500	.4037-02	.5647-02	.5022	3.535	585.3

IH102 60-OTS FUSELAGE (R4WA33)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
487	114.00	.40000	388.00	.4958-01	.6799-01	.5799-01	.9500	.2645-02	.3628-02	.3466	2.448	578.6
487	114.00	.45000	389.00	.5066-01	.6868-01	.6868-01	.9500	.2703-02	.3664-02	.3655	2.430	574.4
487	114.00	.50000	390.00	.4888-01	.6534-01	.6534-01	.9500	.2608-02	.3486-02	.3673	2.245	558.8
487	114.00	.55000	391.00	.1849-01	.2534-01	.2534-01	.9500	.9867-03	.1352-02	.1296	.8228	578.3
487	114.00	.60000	392.00	.1145-01	.1584-01	.1584-01	.9500	.6107-03	.8453-03	.7809-01	.5096	581.8
487	114.00	.65000	393.00	.7365-02	.1020-01	.1020-01	.9500	.3930-03	.5440-03	.5022-01	.3182	581.9
487	114.00	.80000	396.00	.1151-01	.1657-01	.1657-01	.9500	.6141-03	.8842-03	.7135-01	.4561	593.5
487	119.00	.10000+00	210.00	.9739-01	.1302	.1302	.9500	.5196-02	.6947-02	.7318	4.352	568.8
487	157.50	.40000	223.00	.4263-01	.5518-01	.5518-01	.9500	.2275-02	.2944-02	.3549	2.315	553.6
487	157.50	.45000	224.00	.3988-01	.5138-01	.5138-01	.9500	.2128-02	.2742-02	.3372	2.201	551.2
487	157.50	.50000	225.00	.3666-01	.4719-01	.4719-01	.9500	.1956-02	.2518-02	.3112	2.033	550.6
487	157.50	.55000	226.00	.4385-01	.5648-01	.5648-01	.9500	.2339-02	.3013-02	.3712	2.355	551.0
486	157.50	.60000	227.00	.2447-01	.3218-01	.3218-01	.9500	.1304-02	.1715-02	.1932	1.255	561.5
487	157.50	.65000	228.00	.2940-01	.3861-01	.3861-01	.9500	.1568-02	.2060-02	.2333	1.585	560.9
487	157.50	.70000	229.00	.2524-01	.3329-01	.3329-01	.9500	.1347-02	.1776-02	.1975	1.453	563.0
487	157.50	.75000	230.00	.1946-01	.2582-01	.2582-01	.9500	.1038-02	.1377-02	.1497	1.100	565.5
487	157.50	.80000	231.00	.5144-01	.7225-01	.7225-01	.9500	.2745-02	.3855-02	.3382	2.305	586.5
486	180.00	.10000-01	169.00	.3344	.5721	.5721	.9500	.1782-01	.3049-01	1.522	9.874	624.3
486	180.00	.25000-01	170.00	.2003	.2858	.2858	.9500	.1068-01	.1523-01	1.267	8.891	591.0
486	180.00	.50000-01	171.00	.1275	.1722	.1722	.9500	.6794-02	.9178-02	.9281	5.822	573.1
486	180.00	.75000-01	172.00	.9096-01	.1202	.1202	.9500	.4848-02	.6405-02	.7075	4.459	563.7
486	180.00	.10000+00	173.00	.6038-01	.7930-01	.7930-01	.9500	.3218-02	.4226-02	.4786	3.109	560.9
486	180.00	.12500	174.00	.4628-01	.6113-01	.6113-01	.9500	.2467-02	.3258-02	.3602	2.483	563.6
486	180.00	.15000	175.00	.1797	.2696	.2696	.9500	.9577-02	.1437-01	1.019	6.887	603.3
486	180.00	.16000	176.00	.3597	.6282	.6282	.9500	.1917-01	.3348-01	1.592	8.510	628.6
486	180.00	.17000	177.00	.3975	.7112	.7112	.9500	.2119-01	.3790-01	1.705	9.102	629.2
486	180.00	.18000	178.00	.2858	.4664	.4664	.9500	.1523-01	.2486-01	1.396	9.087	618.0
486	180.00	.20000	179.00	.1007	.1307	.1307	.9500	.5364-02	.6968-02	.8272	5.030	555.5
486	180.00	.40000	182.00	.3313-01	.4266-01	.4266-01	.9500	.1766-02	.2274-02	.2803	2.394	550.9
486	180.00	.45000	183.00	.3210-01	.4123-01	.4123-01	.9500	.1711-02	.2197-02	.2742	2.343	549.4
486	180.00	.50000	184.00	.2077-01	.2667-01	.2667-01	.9500	.1107-02	.1421-02	.1774	1.577	549.4
486	180.00	.55000	185.00	.1091-01	.1415-01	.1415-01	.9500	.5812-03	.7540-03	.8998-01	.7668	554.9
486	180.00	.60000	186.00	.9882-02	.1284-01	.1284-01	.9500	.5267-03	.6845-03	.8103-01	.7178	555.8
486	180.00	.65000	187.00	.1409-01	.1833-01	.1833-01	.9500	.7510-03	.9767-03	.1153	1.064	556.1
486	180.00	.70000	188.00	.1475-01	.1922-01	.1922-01	.9500	.7860-03	.1024-02	.1199	1.062	557.1
486	180.00	.75000	189.00	.1188-01	.1553-01	.1553-01	.9500	.6333-03	.8275-03	.9574-01	.8304	558.5
486	180.00	.80000	190.00	.1519-01	.2103-01	.2103-01	.9500	.8094-03	.1121-02	.1034	.9828	581.9
487	315.00	.40000	234.00	.3209-01	.4190-01	.4190-01	.9500	.1712-02	.2235-02	.2595	1.913	558.1
487	315.00	.45000	235.00	.3267-01	.4261-01	.4261-01	.9500	.1743-02	.2274-02	.2650	1.954	557.6
487	315.00	.50000	236.00	.4342-01	.5625-01	.5625-01	.9500	.2317-02	.3001-02	.3605	2.220	554.1
487	315.00	.55000	237.00	.4381-01	.5701-01	.5701-01	.9500	.2338-02	.3042-02	.3582	2.266	556.4
487	315.00	.60000	238.00	.2924-01	.3855-01	.3855-01	.9500	.1560-02	.2057-02	.2292	1.632	562.8
487	315.00	.65000	239.00	.2690-01	.3565-01	.3565-01	.9500	.1435-02	.1902-02	.2076	1.430	565.1

IH102 60-OTS FUSELAGE (R4WA33)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
487	315.00	.70000	240.00	.1953-01	.2595-01	.2595-01	.9500	.1042-02	.1384-02	.1496	1.099	566.1
487	315.00	.75000	241.00	.1521-01	.2032-01	.2032-01	.9500	.8115-03	.1084-02	.1146	.7879	568.5
487	315.00	.80000	242.00	.5544-01	.7903-01	.7903-01	.9500	.2958-02	.4217-02	.3516	2.391	590.8

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
480	3.536	3.010	-.1468-01	-5.986	34.08	708.7	252.0	.9140	5.797	2342.	.9789-02	.2015-06
481	3.523	3.010	-.1048-01	-5.980	33.95	708.7	252.0	.9105	5.774	2342.	.9751-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
480	.5338-01	.9674-02
481	.5328-01	.9693-02

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
480	.00000	.20000-01	4.0000	.1719	.2283	.2319	.9476	.9177-02	.1238-01	1.317	7.255	565.2
480	.00000	.50000-01	7.0000	.4397-01	.5671-01	.6101-01	.9378	.2347-02	.3257-02	.3702	2.491	550.9
481	20.000	.10000+00	207.00	.1078	.1444	.1444	.9500	.5742-02	.7693-02	.8022	4.645	569.0
481	20.000	.15000	211.00	.1307	.1972	.1972	.9500	.6962-02	.1050-01	.7315	4.520	603.6
481	22.000	.50000-01	202.00	.9715-01	.1304	.1304	.9500	.5176-02	.6947-02	.7193	3.955	569.7
481	24.500	.10000+00	208.00	.6138-01	.8085-01	.8085-01	.9500	.3270-02	.4308-02	.4810	3.035	561.6
481	25.500	.15000	212.00	.1306	.2269	.2269	.9500	.6959-02	.1209-01	.5812	4.975	625.2
481	31.500	.20000	215.00	.6850-01	.9713-01	.9713-01	.9500	.3649-02	.5175-02	.4386	4.344	588.5
481	35.000	.50000-01	203.00	.1189	.1654	.1654	.9500	.6333-02	.8813-02	.7977	4.980	582.7
481	35.000	.20000	216.00	.7409-01	.1070	.1070	.9500	.3947-02	.5703-02	.4544	4.489	593.6
481	39.000	.10000+00	209.00	.4977-01	.6745-01	.6745-01	.9500	.2652-02	.3594-02	.3584	2.248	573.5
481	40.000	.15000	213.00	.1547	.2755	.2755	.9500	.8243-02	.1468-01	.6661	4.746	627.9
481	40.000	.20000	217.00	.7337-01	.1103	.1103	.9500	.3909-02	.5878-02	.4135	4.472	602.9
481	42.500	.50000-01	204.00	.1416	.2010	.2010	.9500	.7546-02	.1071-01	.9059	5.981	588.6
481	45.500	.15000	214.00	.1126	.1621	.1621	.9500	.6001-02	.8636-02	.6968	3.987	592.5
481	51.000	.20000	218.00	.1603	.2440	.2440	.9500	.8542-02	.1300-01	.8829	5.451	605.3
481	60.000	.50000-01	205.00	.1521	.2169	.2169	.9500	.8101-02	.1155-01	.9604	6.336	590.1
481	67.500	.20000	219.00	.8580-01	.1201	.1201	.9500	.4571-02	.6399-02	.5670	4.126	584.6
481	96.500	.20000	1220.0	.6529-01	.9095-01	.9095-01	.9500	.3479-02	.4845-02	.4370	3.079	583.1

IH102 60-OTS FUSELAGE (R4WA36)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
481	114.00	.40000	388.00	.3202-01	.4287-01	.4287-01	.9500	.1706-02	.2284-02	.2390	1.897	568.6
481	114.00	.45000	389.00	.4063-01	.5357-01	.5357-01	.9500	.2165-02	.2854-02	.3176	2.125	562.0
481	114.00	.50000	390.00	.4412-01	.5765-01	.5765-01	.9500	.2351-02	.3071-02	.3549	2.181	557.7
481	114.00	.55000	391.00	.4307-01	.5663-01	.5663-01	.9500	.2295-02	.3017-02	.3395	2.174	560.7
481	114.00	.60000	392.00	.3586-01	.4736-01	.4736-01	.9500	.1911-02	.2523-02	.2789	1.837	562.7
481	114.00	.65000	393.00	.3777-01	.5006-01	.5006-01	.9500	.2012-02	.2667-02	.2903	1.856	564.4
481	114.00	.70000	394.00	.3052-01	.4077-01	.4077-01	.9500	.1626-02	.2172-02	.2290	1.483	567.8
481	114.00	.75000	395.00	.2145-01	.2823-01	.2823-01	.9500	.1143-02	.1504-02	.1685	1.034	561.2
481	114.00	.80000	396.00	.4848-01	.6729-01	.6729-01	.9500	.2583-02	.3585-02	.3273	2.104	581.9
481	119.00	.10000+00	210.00	.8733-01	.1158	.1158	.9500	.4653-02	.6172-02	.6698	3.991	564.7
481	157.50	.40000	223.00	.4836-01	.6299-01	.6299-01	.9500	.2576-02	.3356-02	.3929	2.559	556.1
481	157.50	.45000	224.00	.4778-01	.6193-01	.6193-01	.9500	.2546-02	.3299-02	.3950	2.576	553.5
481	157.50	.50000	225.00	.4642-01	.6023-01	.6023-01	.9500	.2473-02	.3209-02	.3823	2.492	554.1
481	157.50	.55000	226.00	.4754-01	.6172-01	.6172-01	.9500	.2533-02	.3288-02	.3907	2.474	554.4
480	157.50	.60000	227.00	.4167-01	.5423-01	.5423-01	.9500	.2224-02	.2895-02	.3403	2.217	555.7
481	157.50	.65000	228.00	.3276-01	.4275-01	.4275-01	.9500	.1745-02	.2278-02	.2647	1.802	557.0
481	157.50	.70000	229.00	.2343-01	.3061-01	.3061-01	.9500	.1248-02	.1631-02	.1886	1.391	557.6
481	157.50	.75000	230.00	.2005-01	.2629-01	.2629-01	.9500	.1068-02	.1401-02	.1596	1.176	559.3
481	157.50	.80000	231.00	.7865-01	.1092	.1092	.9500	.4190-02	.5819-02	.5305	3.624	582.1
480	180.00	.10000-01	169.00	.3407	.5810	.5810	.9500	.1818-01	.3102-01	1.558	10.11	623.0
480	180.00	.25000-01	170.00	.2072	.2933	.2933	.9500	.1106-01	.1566-01	1.334	9.382	588.0
480	180.00	.50000-01	171.00	.1327	.1773	.1773	.9500	.7086-02	.9462-02	.9997	6.289	567.6
480	180.00	.75000-01	172.00	.9528-01	.1245	.1245	.9500	.5086-02	.6647-02	.7673	4.850	557.8
480	180.00	.10000+00	173.00	.6435-01	.8359-01	.8359-01	.9500	.3436-02	.4462-02	.5292	3.449	554.6
480	180.00	.12500	174.00	.4766-01	.6236-01	.6236-01	.9500	.2544-02	.3329-02	.3824	2.643	558.4
480	180.00	.15000	175.00	.1900	.2775	.2775	.9500	.1014-01	.1481-01	1.140	7.731	596.3
480	180.00	.16000	176.00	.3931	.7392	.7392	.9500	.2098-01	.3946-01	1.588	8.463	633.0
480	180.00	.17000	177.00	.4650	.9096	.9096	.9500	.2482-01	.4855-01	1.800	9.577	636.2
480	180.00	.18000	178.00	.2952	.5187	.5187	.9500	.1576-01	.2769-01	1.296	8.402	626.4
480	180.00	.20000	179.00	.1102	.1436	.1436	.9500	.5880-02	.7667-02	.8942	5.499	556.6
480	180.00	.40000	182.00	.4366-01	.5620-01	.5620-01	.9500	.2330-02	.3000-02	.3700	3.161	549.9
480	180.00	.45000	183.00	.4798-01	.6191-01	.6191-01	.9500	.2561-02	.3305-02	.4035	3.445	551.1
480	180.00	.50000	184.00	.3990-01	.5129-01	.5129-01	.9500	.2130-02	.2738-02	.3398	3.020	549.1
480	180.00	.55000	185.00	.3626-01	.4668-01	.4668-01	.9500	.1936-02	.2492-02	.3073	2.625	549.9
480	180.00	.60000	186.00	.3946-01	.5107-01	.5107-01	.9500	.2107-02	.2726-02	.3283	2.913	552.8
480	180.00	.65000	187.00	.3566-01	.4628-01	.4628-01	.9500	.1903-02	.2470-02	.2940	2.715	554.2
480	180.00	.70000	188.00	.3279-01	.4258-01	.4258-01	.9500	.1750-02	.2273-02	.2698	2.392	554.5
480	180.00	.75000	189.00	.2487-01	.3249-01	.3249-01	.9500	.1328-02	.1734-02	.2007	1.741	557.5
480	180.00	.80000	190.00	.4334-01	.5850-01	.5850-01	.9500	.2313-02	.3123-02	.3163	3.021	572.0
481	315.00	.40000	234.00	.3648-01	.4755-01	.4755-01	.9500	.1944-02	.2533-02	.2960	2.185	556.4
481	315.00	.45000	235.00	.3736-01	.4867-01	.4867-01	.9500	.1990-02	.2593-02	.3033	2.238	556.3
481	315.00	.50000	236.00	.4057-01	.5239-01	.5239-01	.9500	.2161-02	.2791-02	.3394	2.092	551.6
481	315.00	.55000	237.00	.3524-01	.4556-01	.4556-01	.9500	.1877-02	.2427-02	.2937	1.862	552.2

IH102 60-OTS FUSELAGE (R4WA36)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
481	315.00	.60000	238.00	.3041-01	.3947-01	.3947-01	.9500	.1620-02	.2103-02	.2503	1.789	554.2
481	315.00	.65000	239.00	.3210-01	.4192-01	.4192-01	.9500	.1710-02	.2233-02	.2588	1.789	557.4
481	315.00	.70000	240.00	.2969-01	.3897-01	.3897-01	.9500	.1582-02	.2076-02	.2356	1.736	559.7
481	315.00	.75000	241.00	.3280-01	.4329-01	.4329-01	.9500	.1747-02	.2306-02	.2555	1.763	562.4
481	315.00	.80000	242.00	.9124-01	.1293	.1293	.9500	.4861-02	.6891-02	.5846	3.981	588.4

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
475	3.525	3.010	.1051-02	-3.008	33.97	708.7	252.0	.9111	5.778	2342.	.9758-02	.2015-06
476	3.534	3.010	.4540-07	-3.044	34.06	708.7	252.0	.9135	5.794	2342.	.9784-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
475	.5329-01	.9690-02
476	.5337-01	.9677-02

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
475	.00000	.20000-01	4.0000	.1641	.2208	.2245	.9476	.8747-02	.1196-01	1.208	6.637	570.6
475	.00000	.50000-01	7.0000	.3344-01	.4378-01	.4733-01	.3378	.1782-02	.2523-02	.2675	1.793	558.6
476	20.000	.10000+00	207.00	.1357	.1880	.1880	.9500	.7241-02	.1003-01	.9216	5.303	581.4
476	20.000	.15000	211.00	.1126	.1658	.1658	.9500	.6007-02	.8847-02	.6633	4.109	598.3
476	22.000	.50000-01	202.00	.8455-01	.1145	.1145	.9500	.4512-02	.6111-02	.6109	3.353	573.3
476	24.500	.10000+00	208.00	.7785-01	.1051	.1051	.9500	.4155-02	.5608-02	.5682	3.566	571.9
476	25.500	.15000	212.00	.9787-01	.1600	.1600	.9500	.5223-02	.8536-02	.4767	4.097	617.4
476	31.500	.20000	215.00	.5789-01	.8211-01	.8211-01	.9500	.3089-02	.4382-02	.3711	3.675	588.6
476	35.000	.50000-01	203.00	.9982-01	.1398	.1398	.9500	.5327-02	.7459-02	.6603	4.118	584.7
476	35.000	.20000	216.00	.6446-01	.9310-01	.9310-01	.9500	.3440-02	.4968-02	.3962	3.914	593.5
476	39.000	.10000+00	209.00	.3121-01	.4253-01	.4253-01	.9500	.1666-02	.2270-02	.2218	1.389	575.5
476	40.000	.15000	213.00	.1316	.2175	.2175	.9500	.7022-02	.1161-01	.6301	4.509	618.9
476	40.000	.20000	217.00	.6621-01	.9950-01	.9950-01	.9500	.3533-02	.5310-02	.3742	4.048	602.8
476	42.500	.50000-01	204.00	.1184	.1693	.1693	9500	.6317-02	.9034-02	.7443	4.908	590.9
476	45.500	.15000	214.00	.8463-01	.1192	.1192	9500	.4516-02	.6362-02	.5515	3.165	586.5
476	51.000	.20000	218.00	.1334	.2026	.2026	.9500	.7118-02	.1081-01	.7381	4.558	605.0
476	60.000	.50000-01	205.00	.1380	.1992	.1992	9500	.7365-02	.1063-01	.8498	5.597	593.3
476	67.500	.20000	219.00	.3792-01	.5139-01	.5139-01	9500	.2024-02	.2742-02	.2737	2.003	573.4
476	96.500	.20000	1220.0	.8593-01	.1226	.1226	.9500	.4585-02	.6542-02	.5433	3.816	590.2

IH102 60-OTS FUSELAGE (R4WA38)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
476	114.00	.40000	388.00	.2879-01	.3883-01	.3883-01	.9500	.1537-02	.2072-02	.2106	1.493	571.6
476	114.00	.45000	389.00	.2692-01	.3586-01	.3586-01	.9500	.1437-02	.1913-02	.2042	1.363	565.5
476	114.00	.50000	390.00	.2588-01	.3408-01	.3408-01	.9500	.1381-02	.1819-02	.2032	1.247	561.5
476	114.00	.55000	391.00	.2424-01	.3217-01	.3217-01	.9500	.1294-02	.1717-02	.1860	1.188	564.9
476	114.00	.60000	392.00	.2055-01	.2748-01	.2748-01	.9500	.1096-02	.1467-02	.1540	1.012	568.2
476	114.00	.65000	393.00	.2370-01	.3187-01	.3187-01	.9500	.1265-02	.1701-02	.1749	1.114	570.4
476	114.00	.70000	394.00	.2154-01	.2922-01	.2922-01	.9500	.1150-02	.1559-02	.1551	1.001	573.7
476	114.00	.75000	395.00	.1815-01	.2448-01	.2448-01	.9500	.9688-03	.1306-02	.1329	.8111	571.5
476	114.00	.80000	396.00	.4240-01	.6019-01	.6019-01	.9500	.2263-02	.3212-02	.2712	1.737	588.8
476	119.00	.10000+00	210.00	.8255-01	.1111	.1111	.9500	.4406-02	.5928-02	.6079	3.611	570.7
476	157.50	.40000	223.00	.4201-01	.5505-01	.5505-01	.9500	.2242-02	.2938-02	.3353	2.181	559.1
476	157.50	.45000	224.00	.4429-01	.5813-01	.5813-01	.9500	.2363-02	.3102-02	.3516	2.285	559.9
476	157.50	.50000	225.00	.3711-01	.4862-01	.4862-01	.9500	.1980-02	.2595-02	.2963	1.927	559.1
476	157.50	.55000	226.00	.4481-01	.5915-01	.5915-01	.9500	.2391-02	.3157-02	.3494	2.203	562.6
476	157.50	.60000	227.00	.5488-01	.7321-01	.7321-01	.9500	.2925-02	.3902-02	.4141	2.682	567.1
476	157.50	.65000	228.00	.4690-01	.6282-01	.6282-01	.9500	.2503-02	.3353-02	.3498	2.368	568.9
476	157.50	.70000	229.00	.3781-01	.5054-01	.5054-01	.9500	.2018-02	.2697-02	.2840	2.084	567.9
476	157.50	.75000	230.00	.3306-01	.4443-01	.4443-01	.9500	.1764-02	.2371-02	.2443	1.790	570.2
476	157.50	.80000	231.00	.4824-01	.6788-01	.6788-01	.9500	.2574-02	.3622-02	.3153	2.149	586.2
475	180.00	.10000-01	169.00	.3379	.5932	.5932	.9500	.1801-01	.3161-01	1.483	9.609	626.3
475	180.00	.25000-01	170.00	.2043	.2948	.2948	.9500	.1089-01	.1571-01	1.257	8.814	593.2
475	180.00	.50000-01	171.00	.1309	.1777	.1777	.9500	.6976-02	.9473-02	.9375	5.878	574.3
475	180.00	.75000-01	172.00	.8985-01	.1192	.1192	.9500	.4788-02	.6354-02	.6887	4.338	564.8
475	180.00	.10000+00	173.00	.5925-01	.7812-01	.7812-01	.9500	.3158-02	.4164-02	.4633	3.008	562.0
475	180.00	.12500	174.00	.4380-01	.5817-01	.5817-01	.9500	.2335-02	.3100-02	.3349	2.307	565.2
475	180.00	.15000	175.00	.1562	.2273	.2273	.9500	.8326-02	.1211-01	.9436	6.403	595.3
475	180.00	.16000	176.00	.3694	.7222	.7222	.9500	.1969-01	.3849-01	1.428	7.601	636.1
475	180.00	.17000	177.00	.4869	.9949	.9949	.9500	.2595-01	.5302-01	1.801	9.568	639.3
475	180.00	.18000	178.00	.3113	.5635	.5635	.9500	.1659-01	.3003-01	1.314	8.501	629.5
475	180.00	.20000	179.00	.1092	.1436	.1436	.9500	.5820-02	.7656-02	.8600	5.277	560.9
475	180.00	.40000	182.00	.5131-01	.6693-01	.6693-01	.9500	.2734-02	.3567-02	.4152	3.535	556.8
475	180.00	.45000	183.00	.5025-01	.6567-01	.6567-01	.9500	.2678-02	.3500-02	.4042	3.440	557.7
475	180.00	.50000	184.00	.4891-01	.6401-01	.6401-01	.9500	.2606-02	.3412-02	.3914	3.462	558.5
475	180.00	.55000	185.00	.4622-01	.6045-01	.6045-01	.9500	.2463-02	.3222-02	.3707	3.154	558.2
475	180.00	.60000	186.00	.3760-01	.4917-01	.4917-01	.9500	.2004-02	.2620-02	.3017	2.670	558.1
475	180.00	.65000	187.00	.3213-01	.4220-01	.4220-01	.9500	.1712-02	.2249-02	.2542	2.341	560.2
475	180.00	.70000	188.00	.3071-01	.4054-01	.4054-01	.9500	.1636-02	.2160-02	.2390	2.110	562.6
475	180.00	.75000	189.00	.3352-01	.4464-01	.4464-01	.9500	.1786-02	.2379-02	.2542	2.196	566.4
475	180.00	.80000	190.00	.6302-01	.8679-01	.8679-01	.9500	.3358-02	.4626-02	.4344	4.134	579.3
476	315.00	.40000	234.00	.3040-01	.3984-01	.3984-01	.9500	.1622-02	.2126-02	.2425	1.787	559.2
476	315.00	.45000	235.00	.3748-01	.4969-01	.4969-01	.9500	.2000-02	.2652-02	.2885	2.121	564.4
476	315.00	.50000	236.00	.4495-01	.5910-01	.5910-01	.9500	.2399-02	.3154-02	.3549	2.178	560.7
476	315.00	.55000	237.00	.3819-01	.5032-01	.5032-01	.9500	.2038-02	.2685-02	.2995	1.889	561.7

IH102 60-0TS FUSELAGE (34WA38)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
476	315.00	.60000	238.00	.2839-01	.3751-01	.3751-01	.9500	.1515-02	.2002-02	.2208	1.572	562.9
476	315.00	.65000	239.00	.2426-01	.3217-01	.3217-01	.9500	.1295-02	.1717-02	.1867	1.286	564.5
476	315.00	.70000	240.00	.1869-01	.2479-01	.2479-01	.9500	.9975-03	.1323-02	.1437	1.056	564.6
476	315.00	.75000	241.00	.1558-01	.2077-01	.2077-01	.9500	.8315-03	.1109-02	.1179	.8113	566.9
476	315.00	.80000	242.00	.4056-01	.5729-01	.5729-01	.9500	.2165-02	.3057-02	.2626	1.789	587.3

IH102 60-OTS FUSELAGE (R4WA39)

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
495	1.043	3.010	.3200-01	.1117-04	9.907	701.7	249.5	.2657	1.685	2331.	.2874-02	.1997-06
496	1.036	3.010	.3200-01	.1117-04	9.766	697.7	248.1	.2619	1.661	2324.	.2849-02	.1986-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
495	.2873-01	.1783-01
496	.2850-01	.1789-01

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
495	.00000	.20000-01	4.0000	.1681	.2167	.2197	.9477	.4829-02	.6311-02	.7553	4.204	545.3
495	.00000	.50000-01	7.0000	.5233-01	.6656-01	.7126-01	.9379	.1503-02	.2047-02	.2467	1.671	527.6
496	20.000	.10000+00	207.00	.8090-01	.1042	.1042	.9500	.2305-02	.2970-02	.3592	2.108	541.9
496	20.000	.15000	211.00	.9109-01	.1187	.1187	.9500	.2596-02	.3381-02	.3897	2.476	547.5
496	22.000	.50000-01	202.00	.9559-01	.1217	.1217	.9500	.2724-02	.3468-02	.4429	2.478	535.1
496	24.500	.10000+00	208.00	.6520-01	.8434-01	.8434-01	.9500	.1858-02	.2403-02	.2855	1.618	544.0
496	25.500	.15000	212.00	.4050-01	.5229-01	.5229-01	.9500	.1154-02	.1490-02	.1785	1.592	543.0
496	31.500	.20000	215.00	.3573-01	.4586-01	.4586-01	.9500	.1018-02	.1307-02	.1607	1.631	539.8
496	35.000	.50000-01	203.00	.9894-01	.1270	.1270	.9500	.2819-02	.3618-02	.4457	2.843	539.6
496	35.000	.20000	216.00	.3771-01	.4861-01	.4861-01	.9500	.1075-02	.1385-02	.1671	1.694	542.2
496	39.000	.10000+00	209.00	.3417-01	.4370-01	.4370-01	.9500	.9737-03	.1245-02	.1557	.9944	537.7
496	40.000	.15000	213.00	.5215-01	.6758-01	.6758-01	.9500	.1486-02	.1926-02	.2270	1.685	544.9
496	40.000	.20000	217.00	.3696-01	.4801-01	.4801-01	.9500	.1053-02	.1368-02	.1595	1.775	546.2
496	42.500	.50000-01	204.00	.1122	.1447	.1447	.9500	.3198-02	.4124-02	.4966	3.355	542.4
496	45.500	.15000	214.00	.7217-01	.9394-01	.9394-01	.9500	.2057-02	.2677-02	.3096	1.812	547.1
496	51.000	.20000	218.00	.4322-01	.5538-01	.5538-01	.9500	.1232-02	.1578-02	.1957	1.249	538.8
496	60.000	.50000-01	205.00	.1371	.1775	.1775	.9500	.3908-02	.5057-02	.5999	4.050	544.1
496	67.500	.20000	219.00	.4550-02	.5744-02	.5744-02	.9500	.1296-03	.1637-03	.2175-01	.1627	529.9
496	96.500	.20000	1220.0	.3213-01	.4084-01	.4084-01	.9500	.9156-03	.1164-02	.1498	1.082	534.1

IH102 60-OTS FUSELAGE (R4WA39)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
496	114.00	.40000	388.00	.5426-01	.6873-01	.6873-01	.9500	.1546-02	.1959-02	.2562	1.853	532.0
496	114.00	.45000	389.00	.4526-01	.5646-01	.5646-01	.9500	.1290-02	.1609-02	.2267	1.548	521.9
496	114.00	.50000	390.00	.4018-01	.4997-01	.4997-01	.9500	.1145-02	.1424-02	.2039	1.278	519.6
496	114.00	.55000	391.00	.3528-01	.4435-01	.4435-01	.9500	.1005-02	.1264-02	.1716	1.117	527.0
496	114.00	.60000	392.00	.3531-01	.4477-01	.4477-01	.9500	.1006-02	.1276-02	.1662	1.111	532.5
496	114.00	.65000	393.00	.3689-01	.4711-01	.4711-01	.9500	.1051-02	.1342-02	.1689	1.095	537.0
496	114.00	.70000	394.00	.3464-01	.4432-01	.4432-01	.9500	.9871-03	.1263-02	.1577	1.036	537.9
496	114.00	.75000	395.00	.3442-01	.4385-01	.4385-01	.9500	.9809-03	.1250-02	.1591	.9892	535.4
496	114.00	.80000	396.00	.6649-01	.8588-01	.8588-01	.9500	.1895-02	.2447-02	.2928	1.919	543.1
496	119.00	.10000+00	210.00	.8085-01	.1024	.1024	.9500	.2304-02	.2919-02	.3813	2.310	532.2
496	157.50	.40000	223.00	.1166-01	.1443-01	.1443-01	.9500	.3323-03	.4112-03	.6039-01	.4014	515.9
496	157.50	.45000	224.00	.1905-01	.2344-01	.2344-01	.9500	.5428-03	.6680-03	.1010	.6728	511.6
496	157.50	.50000	225.00	.1892-01	.2337-01	.2337-01	.9500	.5391-03	.6659-03	.9874-01	.6568	514.5
496	157.50	.55000	226.00	.2387-01	.2990-01	.2990-01	.9500	.6802-03	.8521-03	.1176	.7560	524.8
495	157.50	.60000	227.00	.3411-01	.4351-01	.4351-01	.9500	.9800-03	.1250-02	.1592	1.046	539.2
496	157.50	.65000	228.00	.3419-01	.4370-01	.4370-01	.9500	.9743-03	.1245-02	.1562	1.074	537.4
496	157.50	.70000	229.00	.3363-01	.4310-01	.4310-01	.9500	.9584-03	.1228-02	.1522	1.133	538.8
496	157.50	.75000	230.00	.3668-01	.4701-01	.4701-01	.9500	.1045-02	.1340-02	.1659	1.235	538.9
496	157.50	.80000	231.00	.9622-01	.1257	.1257	.9500	.2742-02	.3582-02	.4079	2.833	548.9
495	180.00	.10000-01	169.00	.3681	.5159	.5159	.9500	.1058-01	.1482-01	1.296	8.594	579.2
495	180.00	.25000-01	170.00	.1993	.2629	.2629	.9500	.5727-02	.7554-02	.8305	5.931	556.6
495	180.00	.50000-01	171.00	.1270	.1636	.1636	.9500	.3648-02	.4699-02	.5721	3.640	544.8
495	180.00	.75000-01	172.00	.9392-01	.1193	.1193	.9500	.2698-02	.3428-02	.4450	2.843	536.8
495	180.00	.10000+00	173.00	.6394-01	.8081-01	.8081-01	.9500	.1837-02	.2322-02	.3087	2.034	533.6
495	180.00	.12500	174.00	.5383-01	.6807-01	.6807-01	.9500	.1547-02	.1956-02	.2593	1.815	534.0
495	180.00	.15000	175.00	.1144	.1463	.1463	.9500	.3287-02	.4204-02	.5287	3.687	540.8
495	180.00	.16000	176.00	.2846	.3832	.3832	.9500	.8176-02	.1101-01	1.114	6.140	565.4
495	180.00	.17000	177.00	.3112	.4208	.4208	.9500	.8942-02	.1209-01	1.205	6.635	566.9
495	180.00	.18000	178.00	.2053	.2723	.2723	.9500	.5899-02	.7824-02	.8411	5.636	559.1
495	180.00	.20000	179.00	.7694-01	.9703-01	.9703-01	.9500	.2210-02	.2788-02	.3746	2.332	532.2
495	180.00	.65000	187.00	.3581-02	.4548-02	.4548-02	.9500	.1029-03	.1307-03	.1697-01	.1581	536.7
495	180.00	.70000	188.00	.1735-01	.2219-01	.2219-01	.9500	.4985-03	.6376-03	.8018-01	.7156	540.8
495	180.00	.75000	189.00	.2646-01	.3397-01	.3397-01	.9500	.7602-03	.9760-03	.1206	1.055	543.0
495	180.00	.80000	190.00	.4836-01	.6285-01	.6285-01	.9500	.1389-02	.1806-02	.2114	2.042	549.5
496	315.00	.40000	234.00	.1721-01	.2132-01	.2132-01	.9500	.4904-03	.6074-03	.8878-01	.6685	516.6
496	315.00	.45000	235.00	.3474-01	.4294-01	.4294-01	.9500	.9900-03	.1224-02	.1809	1.364	514.9
496	315.00	.50000	236.00	.4139-01	.5117-01	.5117-01	.9500	.1180-02	.1458-02	.2154	1.353	515.0
496	315.00	.55000	237.00	.3670-01	.4593-01	.4593-01	.9500	.1046-02	.1309-02	.1816	1.168	524.0
496	315.00	.60000	238.00	.3347-01	.4237-01	.4237-01	.9500	.9538-03	.1207-02	.1585	1.146	531.5
496	315.00	.65000	239.00	.3371-01	.4298-01	.4298-01	.9500	.9605-03	.1225-02	.1553	1.085	536.0
496	315.00	.70000	240.00	.3055-01	.3901-01	.3901-01	.9500	.8705-03	.1111-02	.1401	1.044	536.8
496	315.00	.75000	241.00	.3399-01	.4337-01	.4337-01	.9500	.9685-03	.1236-02	.1561	1.091	536.5
496	315.00	.80000	242.00	.1084	.1412	.1412	.9500	.3088-02	.4024-02	.4630	3.217	547.7

IH102 60-OTS FUSELAGE (R4WA39)

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
466	3.519	3.010	-.1800-01	.0000	33.98	709.7	252.4	.9113	5.779	2344.	.9746-02	.2018-06
467	3.535	3.010	-.1400-01	.0000	34.14	709.7	252.4	.9155	5.806	2344.	.9791-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
466	.5331-01	.9698-02
467	.5344-01	.9675-02

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
466	.00000	.20000-01	4.0000	.1741	.2293	.2329	.9476	.9284-02	.1241-01	1.369	7.555	562.2
466	.00000	.50000-01	7.0000	.4243-01	.5445-01	.5848-01	.9378	.2262-02	.3118-02	.3636	2.449	548.9
467	20.000	.10000+00	207.00	.7347-01	.1004	.1004	.9500	.3926-02	.5367-02	.5189	2.992	577.5
467	20.000	.15000	211.00	.1247	.1747	.1747	.9500	.6662-02	.9334-02	.8258	5.148	585.7
467	22.000	.50000-01	202.00	.8130-01	.1066	.1066	.9500	.4344-02	.5696-02	.6496	3.589	560.1
467	24.500	.10000+00	208.00	.5055-01	.6693-01	.6693-01	.9500	.2701-02	.3577-02	.3916	2.467	564.7
467	25.500	.15000	212.00	.1114	.1714	.1714	.9500	.5953-02	.9158-02	.6034	5.208	608.3
467	31.500	.20000	215.00	.6330-01	.8657-01	.8657-01	.9500	.3382-02	.4626-02	.4464	4.445	577.7
467	35.000	.50000-01	203.00	.1002	.1336	.1336	.9500	.5357-02	.7141-02	.7606	4.784	567.7
467	35.000	.20000	216.00	.7266-01	.1013	.1013	.9500	.3883-02	.5412-02	.4874	4.838	584.1
467	39.000	.10000+00	209.00	.4606-01	.5990-01	.5990-01	.9500	.2461-02	.3201-02	.3781	2.392	556.1
467	40.000	.15000	213.00	.1243	.1945	.1945	.9500	.6640-02	.1039-01	.6525	4.686	611.4
467	40.000	.20000	217.00	.7684-01	.1114	.1114	.9500	.4106-02	.5953-02	.4695	5.097	595.3
467	42.500	.50000-01	204.00	.1209	.1633	.1633	.9500	.6461-02	.8724-02	.8838	5.881	572.9
467	45.500	.15000	214.00	.7510-01	.1032	.1032	.9500	.4013-02	.5515-02	.5228	3.011	579.4
467	51.000	.20000	218.00	.1388	.2021	.2021	.9500	.7418-02	.1080-01	.8409	5.215	596.3
467	60.000	.50000-01	205.00	.1389	.1910	.1910	.9500	.7420-02	.1020-01	.9649	6.399	579.6
467	67.500	.20000	219.00	.2828-01	.3659-01	.3659-01	.9500	.1511-02	.1955-02	.2360	1.744	553.5
467	98.500	.20000	1220.0	.7587-01	.1031	.1031	.9500	.4054-02	.5511-02	.5442	3.850	575.4

IH102 60-0TS FUSELAGE (R4WA39)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
467	114.00	.40000	388.00	.6012-01	.8013-01	.8013-01	.9500	.3213-02	.4282-02	.4565	3.242	567.6
467	114.00	.45000	389.00	.6655-01	.8711-01	.8711-01	.9500	.3556-02	.4655-02	.5347	3.582	559.3
467	114.00	.50000	390.00	.5780-01	.7450-01	.7450-01	.9500	.3089-02	.3981-02	.4889	3.014	551.4
467	114.00	.55000	391.00	.4768-01	.6157-01	.6157-01	.9500	.2548-02	.3290-02	.4007	2.577	552.4
467	114.00	.60000	392.00	.4352-01	.5634-01	.5634-01	.9500	.2325-02	.3010-02	.3626	2 400	553.7
467	114.00	.65000	393.00	.4299-01	.5589-01	.5589-01	.9500	.2297-02	.2986-02	.3533	2.268	555.9
467	114.00	.70000	394.00	.3912-01	.5099-01	.5099-01	.9500	.2090-02	.2725-02	.3184	2.072	557.3
467	114.00	.75000	395.00	.3213-01	.4146-01	.4146-01	.9500	.1717-02	.2215-02	.2709	1.670	551.9
467	114.00	.80000	396.00	.6812-01	.9234-01	.9234-01	.9500	.3640-02	.4934-02	.4925	3.178	574.4
467	119.00	.10000+00	210.00	.7877-01	.1030	.1030	.9500	.4209-02	.5503-02	.6353	3.797	558.7
467	157.50	.40000	223.00	.4678-01	.6044-01	.6044-01	.9500	.2500-02	.3229-02	.3926	2.561	552.6
467	157.50	.45000	224.00	.5589-01	.7240-01	.7240-01	.9500	.2986-02	.3869-02	.4646	3.029	554.1
467	157.50	.50000	225.00	.6076-01	.7902-01	.7902-01	.9500	.3247-02	.4222-02	.4986	3.247	556.1
467	157.50	.55000	226.00	.6106-01	.7947-01	.7947-01	.9500	.3263-02	.4247-02	.4997	3.161	556.5
466	157.50	.60000	227.00	.5474-01	.7098-01	.7098-01	.9500	.2918-02	.3784-02	.4526	2.950	554.6
467	157.50	.65000	228.00	.4962-01	.6519-01	.6519-01	.9500	.2651-02	.3484-02	.3938	2.676	561.1
467	157.50	.70000	229.00	.4312-01	.5681-01	.5681-01	.9500	.2304-02	.3035-02	.3393	2.496	562.4
467	157.50	.75000	230.00	.4467-01	.5897-01	.5897-01	.9500	.2387-02	.3151-02	.3492	2.568	563.4
467	157.50	.80000	231.00	.1048	.1470	.1470	.9500	.5603-02	.7857-02	.6929	4.724	586.0
466	180.00	.10000-01	169.00	.3621	.6031	.6031	.9500	.1931-01	.3215-01	1.714	11.14	620.9
466	180.00	.25000-01	170.00	.2126	.2985	.2985	.9500	.1133-01	.1591-01	1.397	9.830	586.4
466	180.00	.50000-01	171.00	.1320	.1753	.1753	.9500	.7038-02	.9347-02	1.011	6.365	566.0
466	180.00	.75000-01	172.00	.8989-01	.1167	.1167	.9500	.4792-02	.6222-02	.7400	4.684	555.3
466	180.00	.10000+00	173.00	.6524-01	.8383-01	.8383-01	.9500	.3478-02	.4469-02	.5566	3.637	549.6
466	180.00	.12500	174.00	.5532-01	.7120-01	.7120-01	.9500	.2949-02	.3796-02	.4693	3.256	550.6
466	180.00	.15000	175.00	.1557	.2118	.2118	.9500	.8300-02	.1129-01	1.111	7.616	575.8
466	180.00	.16000	176.00	.3646	.6714	.6714	.9500	.1944-01	.3580-01	1.509	8.047	632.0
466	180.00	.17000	177.00	.5203	1.037	1.037	.9500	.2774-01	.5531-01	1.974	10.50	638.5
466	180.00	.18000	178.00	.3337	.5843	.5843	.9500	.1779-01	.3115-01	1.471	9.534	626.9
466	180.00	.20000	179.00	.1152	.1494	.1494	.9500	.6142-02	.7962-02	.9536	5.871	554.4
466	180.00	.40000	182.00	.4736-01	.6064-01	.6064-01	.9500	.2525-02	.3233-02	.4089	3.497	547.7
466	180.00	.45000	183.00	.5397-01	.6933-01	.6933-01	.9500	.2877-02	.3696-02	.4608	3.937	549.5
466	180.00	.50000	184.00	.4850-01	.6229-01	.6229-01	.9500	.2586-02	.3321-02	.4145	3.684	549.4
466	180.00	.55000	185.00	.5270-01	.6813-01	.6813-01	.9500	.2810-02	.3632-02	.4402	3.755	553.0
466	180.00	.60000	186.00	.4993-01	.6488-01	.6488-01	.9500	.2662-02	.3459-02	.4098	3.631	555.7
466	180.00	.65000	187.00	.4677-01	.6102-01	.6102-01	.9500	.2493-02	.3253-02	.3788	3.492	557.7
466	180.00	.70000	188.00	.4427-01	.5774-01	.5774-01	.9500	.2360-02	.3078-02	.3591	3.178	557.5
466	180.00	.75000	189.00	.4182-01	.5457-01	.5457-01	.9500	.2229-02	.2909-02	.3385	2.937	557.8
466	180.00	.80000	190.00	.6809-01	.9309-01	.9309-01	.9500	.3630-02	.4963-02	.4797	4.569	577.5
467	315.00	.40000	234.00	.4517-01	.5841-01	.5841-01	.9500	.2414-02	.3121-02	.3777	2.792	553.2
467	315.00	.45000	235.00	.4791-01	.6221-01	.6221-01	.9500	.2560-02	.3324-02	.3951	2.918	555.3
467	315.00	.50000	236.00	.6648-01	.8693-01	.8693-01	.9500	.3553-02	.4645-02	.5360	3.293	558.8
467	315.00	.55000	237.00	.7236-01	.9564-01	.9564-01	.9500	.3866-02	.5110-02	.5636	3.552	563.9

IH102 60-OTS FUSELAGE (R4WA39)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
467	315.00	.60000	238.00	.6518-01	.8654-01	.8654-01	.9500	.3483-02	.4624-02	.5006	3.558	565.9
467	315.00	.65000	239.00	.6366-01	.8477-01	.8477-01	.9500	.3402-02	.4530-02	.4847	3.335	567.2
467	315.00	.70000	240.00	.5870-01	.7815-01	.7815-01	.9500	.3136-02	.4176-02	.4471	3.282	567.1
467	315.00	.75000	241.00	.6390-01	.8535-01	.8535-01	.9500	.3414-02	.4561-02	.4820	3.315	568.5
467	315.00	.80000	242.00	.1125	.1595	.1595	.9500	.6011-02	.8524-02	.7237	4.925	589.3

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
469	3.507	3.010	4.964	.1731-02	33.87	709.7	252.4	.9082	5.760	2344.	.9713-02	.2018-06
470	3.519	3.010	4.988	.0000	33.98	709.7	252.4	.9113	5.779	2344.	.9746-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
469	.5322-01	.9714-02
470	.5331-01	.9698-02

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
469	.00000	.20000-01	4.0000	.1465	.1948	.1898	.9540	.7797-02	.1010-01	1.116	6.145	566.6
469	.00000	.50000-01	7.0000	.1383	.1904	.2035	.9415	.7358-02	.1083-01	.9534	6.321	580.1
470	20.000	.10000+00	207.00	.1388	.1921	.1921	.9500	.7400-02	.1024-01	.9467	5.446	581.7
470	20.000	.15000	211.00	.8091-01	.1096	.1096	.9500	.4314-02	.5845-02	.5841	3.662	574.3
470	22.000	.50000-01	202.00	.1241	.1714	.1714	.9500	.6618-02	.9138-02	.8515	4.655	581.0
470	24.500	.10000+00	208.00	.1460	.2079	.2079	.9500	.7782-02	.1108-01	.9275	5.769	590.5
470	25.500	.15000	212.00	.5584-01	.7712-01	.7712-01	.9500	.2977-02	.4111-02	.3828	3.349	581.1
470	31.500	.20000	215.00	.5828-01	.7996-01	.7996-01	.9500	.3107-02	.4263-02	.4065	4.045	578.8
470	35.000	.50000-01	203.00	.1019	.1373	.1373	.9500	.5430-02	.7318-02	.7471	4.689	572.1
470	35.000	.20000	216.00	.6544-01	.9128-01	.9128-01	.9500	.3489-02	.4867-02	.4372	4.339	584.3
470	39.000	.10000+00	209.00	.1471	.2144	.2144	.9500	.7844-02	.1143-01	.8874	5.503	596.5
470	40.000	.15000	213.00	.8199-01	.1168	.1168	.9500	.4371-02	.6228-02	.5202	3.774	590.7
470	40.000	.20000	217.00	.6317-01	.9064-01	.9064-01	.9500	.3368-02	.4832-02	.3942	4.286	592.6
470	42.500	.50000-01	204.00	.9947-01	.1353	.1353	.9500	.5303-02	.7211-02	.7110	4.725	575.6
470	45.500	.15000	214.00	.1073	.1504	.1504	.9500	.5722-02	.8016-02	.7095	4.074	585.7
470	51.000	.20000	218.00	.1142	.1594	.1594	.9500	.6087-02	.8497-02	.7616	4.750	584.6
470	60.000	.50000-01	205.00	.1214	.1669	.1669	.9500	.6471-02	.8899-02	.8415	5.581	579.6
470	67.500	.20000	219.00	.9354-01	.1298	.1298	.9500	.4987-02	.6922-02	.6328	4.609	582.8
470	96.500	.20000	1220.0	.6735-01	.8996-01	.8996-01	.9500	.3590-02	.4796-02	.5068	3.598	568.5

IH102 60-OTS FUSELAGE (R4WA40)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
470	114.00	.40000	388.00	.3649-01	.4718-01	.4718-01	.9500	.1945-02	.2515-02	.3046	2.179	553.1
470	114.00	.45000	389.00	.3418-01	.4397-01	.4397-01	.9500	.1822-02	.2344-02	.2904	1.954	550.3
470	114.00	.50000	390.00	.3319-01	.4247-01	.4247-01	.9500	.1769-02	.2264-02	.2873	1.775	547.3
470	114.00	.55000	391.00	.3364-01	.4325-01	.4325-01	.9500	.1794-02	.2306-02	.2866	1.845	549.9
470	114.00	.60000	392.00	.3486-01	.4500-01	.4500-01	.9500	.1858-02	.2399-02	.2926	1.937	552.2
470	114.00	.65000	393.00	.3866-01	.5012-01	.5012-01	.9500	.2061-02	.2672-02	.3198	2.055	554.5
470	114.00	.70000	394.00	.3532-01	.4605-01	.4605-01	.9500	.1883-02	.2455-02	.2866	1.865	557.4
470	114.00	.75000	395.00	.2942-01	.3768-01	.3768-01	.9500	.1568-02	.2009-02	.2540	1.569	547.7
470	114.00	.80000	396.00	.6660-01	.9026-01	.9026-01	.9500	.3550-02	.4812-02	.4804	3.101	574.3
470	119.00	.10000+00	210.00	.6918-01	.9012-01	.9012-01	.9500	.3688-02	.4805-02	.5633	3.370	557.0
470	157.50	.40000	223.00	.3948-01	.5083-01	.5083-01	.9500	.2105-02	.2710-02	.3347	2.186	550.7
470	157.50	.45000	224.00	.4692-01	.6039-01	.6039-01	.9500	.2502-02	.3220-02	.3981	2.600	550.5
470	157.50	.50000	225 00	.4532-01	.5829-01	.5829-01	.9500	.2416-02	.3108-02	.3854	2.518	550.2
470	157.50	.55000	226.00	.4308-01	.5568-01	.5568-01	.9500	.2297-02	.2968-02	.3603	2.283	552.8
469	157.50	.60000	227.00	.4001-01	.5179-01	.5179-01	.9500	.2130-02	.2757-02	.3323	2.167	553.7
470	157.50	.65000	228.00	.3421-01	.4471-01	.4471-01	.9500	.1824-02	.2383-02	.2758	1.877	558.5
470	157.50	.70000	229.00	.3041-01	.3980-01	.3980-01	.9500	.1621-02	.2122-02	.2438	1.797	559.3
470	157.50	.75000	230.00	.3119-01	.4094-01	.4094-01	.9500	.1663-02	.2182-02	.2477	1.824	560.7
470	157.50	.80000	231.00	.6865-01	.9422-01	.9422-01	.9500	.3660-02	.5023-02	.4785	3.274	578.9
469	180.00	.10000-01	169.00	.3161	.5086	.5086	.9500	.1682-01	.2707-01	1.578	10.28	615.9
469	180.00	.25000-01	170.00	.1815	.2503	.2503	.9500	.9659-02	.1332-01	1.246	8.792	580.7
469	180.00	.50000-01	171.00	.1091	.1433	.1433	.9500	.5806-02	.7628-02	.8625	5.443	561.1
469	180.00	.75000-01	172.00	.7455-01	.9639-01	.9639-01	.9500	.3968-02	.5130-02	.6214	3.938	553.1
469	180.00	.10000+00	173.00	.4927-01	.6301-01	.6301-01	.9500	.2622-02	.3353-02	.4267	2.792	547.0
469	180.00	.12500	174.00	.3867-01	.4952-01	.4952-01	.9500	.2058-02	.2636-02	.3333	2.316	547.7
469	180.00	.15000	175.00	.1144	.1531	.1531	.9500	.6088-02	.8150-02	.8537	5.868	569.4
469	180.00	.16000	176.00	.2928	.4816	.4816	.9500	.1558-01	.2563-01	1.410	7.568	619.2
469	180.00	.17000	177.00	.4282	.7713	.7713	.9500	.2279-01	.4105-01	1.818	9.702	629.9
469	180.00	.18000	178.00	.2866	.4712	.4712	.9500	.1526-01	.2508-01	1.382	8.990	619.1
469	180.00	.20000	179.00	.9667-01	.1250	.1250	.9500	.5145-02	.6655-02	.9045	4.955	553.3
469	180.00	.40000	182.00	.2902-01	.3692-01	.3692-01	.9500	.1545-02	.1965-02	.2562	2.196	543.8
469	180.00	.45000	183.00	.3986-01	.5103-01	.5103-01	.9500	.2122-02	.2716-02	.3441	2.943	547.5
469	180.00	.50000	184.00	.4541-01	.5849-01	.5849-01	.9500	.2417-02	.3113-02	.3833	3.404	551.1
469	180.00	.55000	185.00	.4566-01	.5903-01	.5903-01	.9500	.2430-02	.3142-02	.3807	3.247	553.0
469	180.00	.60000	186.00	.4001-01	.5192-01	.5192-01	.9500	.2130-02	.2763-02	.3296	2.921	554.9
469	180.00	.65000	187.00	.3626-01	.4732-01	.4732-01	.9500	.1930-02	.2518-02	.2930	2.701	557.8
469	180.00	.70000	188.00	.3711-01	.4848-01	.4848-01	.9500	.1975-02	.2581-02	.2987	2.643	558.4
469	180.00	.75000	189.00	.3485-01	.4564-01	.4564-01	.9500	.1855-02	.2429-02	.2784	2.413	559.6
469	180.00	.80000	190.00	.4467-01	.6007-01	.6007-01	.9500	.2378-02	.3197-02	.3291	3.145	571.3
470	315.00	.40000	234.00	.3803-01	.4865-01	.4865-01	.9500	.2027-02	.2594-02	.3295	2.443	547.2
470	315.00	.45000	235.00	.3838-01	.4917-01	.4917-01	.9500	.2046-02	.2622-02	.3308	2.452	548.0
470	315.00	.50000	236.00	.3847-01	.4904-01	.4904-01	.9500	.2051-02	.2615-02	.3376	2.088	545.1
470	315.00	.55000	237.00	.3434-01	.4391-01	.4391-01	.9500	.1831-02	.2341-02	.2979	1.894	546.9

IH102 60-OTS FUSELAGE (R4WA40)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
470	315.00	.60000	238.00	.2954-01	.3790-01	.3790-01	.9500	.1575-02	.2021-02	.2532	1.815	548.9
470	315.00	.65000	239.00	.3008-01	.3877-01	.3877-01	.9500	.1604-02	.2067-02	.2538	1.761	551.4
470	315.00	.70000	240.00	.2821-01	.3647-01	.3647-01	.9500	.1504-02	.1944-02	.2356	1.741	553.0
470	315.00	.75000	241.00	.3065-01	.3989-01	.3989-01	.9500	.1634-02	.2126-02	.2506	1.734	556.4
470	315.00	.80000	242.00	.8273-01	.1118	.1118	.9500	.4411-02	.5958-02	.6026	4.135	573.0

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
510	3.510	4.020	-5.012	-11.03	57.85	709.7	167.7	.3710	4.197	2552.	.5971-02	.1349-06
511	3.507	4.020	-5.014	-11.00	57.80	709.7	167.7	.3706	4.193	2552.	.5966-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
510	.4546-01	.1240-01
511	.4544-01	.1240-01

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
511	.00000	.20000-01	4.0000	.1765	.2262	.2517	.9320	.8020-02	.1144-01	1.295	7.200	548.1
511	.00000	.50000-01	7.0000	.4664-01	.5900-01	.6860-01	.9236	.2120-02	.3117-02	.3591	2.429	540.2
510	20.000	.10000+00	207.00	.6598-01	.8381-01	.8381-01	.9500	.3000-02	.3810-02	.5003	2.935	542.9
510	20.000	.15000	211.00	.1866	.2781	.2781	.9500	.8484-02	.1264-01	.9156	5.663	601.8
510	22.000	.50000-01	202.00	.1182	.1525	.1525	.9500	.5375-02	.6934-02	.8482	4.705	551.9
510	24.500	.10000+00	208.00	.6052-01	.7710-01	.7710-01	.9500	.2751-02	.3505-02	.4540	2.889	544.7
510	25.500	.15000	212.00	.1155	.1651	.1651	.9500	.5249-02	.7506-02	.6193	5.389	591.7
510	31.500	.20000	215.00	.9019-01	.1260	.1260	.9500	.4100-02	.5728-02	.5120	5.080	584.8
510	35.000	.50000-01	203.00	.1460	.1949	.1949	.9500	.6639-02	.8859-02	.9403	5.914	568.0
510	35.000	.20000	216.00	.9930-01	.1409	.1409	.9500	.4514-02	.6405-02	.5427	5.372	589.5
510	39.000	.10000+00	209.00	.8358-01	.1093	.1093	.9500	.3800-02	.4968-02	.5733	3.622	558.8
510	40.000	.15000	213.00	.7289-01	.9549-01	.9549-01	.9500	.3314-02	.4341-02	.4970	3.662	559.7
510	40.000	.20000	217.00	.9855-01	.1437	.1437	.9500	.4480-02	.6534-02	.5057	5.487	596.8
510	42.500	.50000-01	204.00	.1804	.2478	.2478	.9500	.8204-02	.1126-01	1.071	7.107	579.1
510	45.500	.15000	214.00	.4671-01	.6018-01	.6018-01	.9500	.2123-02	.2736-02	.3365	1.966	551.2
510	51.000	.20000	218.00	.1310	.1860	.1860	.9500	.5957-02	.8457-02	.7148	4.447	589.7
510	60.000	.50000-01	205.00	.1912	.2645	.2645	.9500	.8690-02	.1202-01	1.112	7.368	581.7
510	67.500	.20000	219.00	.3017-01	.3860-01	.3860-01	.9500	.1371-02	.1755-02	.2228	1.652	547.2
510	96.500	.20000	1220.0	.5105-01	.6613-01	.6613-01	.9500	.2321-02	.3006-02	.3611	2.582	554.1

IH102 60-OTS FUSELAGE (R4WA41)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
510	114.00	.40000	388.00	.7427-01	.9740-01	.9740-01	.9500	.3377-02	.4428-02	.5046	3.597	560.2
510	114.00	.45000	389.00	.8306-01	.1068	.1068	.9500	.3776-02	.4857-02	.6021	4.052	550.2
510	114.00	.50000	390.00	.7084-01	.8981-01	.8981-01	.9500	.3221-02	.4083-02	.5410	3.352	541.7
510	114.00	.55000	391.00	.5869-01	.7480-01	.7480-01	.9500	.2668-02	.3401-02	.4395	2.837	544.9
510	114.00	.60000	392.00	.5638-01	.7208-01	.7208-01	.9500	.2563-02	.3277-02	.4177	2.774	546.7
510	114.00	.65000	393.00	.4930-01	.6294-01	.6294-01	.9500	.2241-02	.2862-02	.3667	2.366	546.0
510	114.00	.70000	394.00	.4808-01	.6152-01	.6152-01	.9500	.2186-02	.2797-02	.3549	2.322	547.3
510	114.00	.75000	395.00	.4272-01	.5419-01	.5419-01	.9500	.1942-02	.2464-02	.3255	2.016	542.1
510	114.00	.80000	396.00	.6525-01	.8423-01	.8423-01	.9500	.2967-02	.3829-02	.4672	3.049	552.2
510	119.00	.10000+00	210.00	.1091	.1422	.1422	.9500	.4961-02	.6464-02	.7566	4.526	557.1
510	157.50	.40000	223.00	.4185-01	.5192-01	.5192-01	.9500	.1903-02	.2360-02	.3483	2.302	526.6
510	157.50	.45000	224.00	.4226-01	.5206-01	.5206-01	.9500	.1921-02	.2367-02	.3621	2.400	521.2
510	157.50	.50000	225.00	.4259-01	.5250-01	.5250-01	.9500	.1936-02	.2387-02	.3640	2.412	521.7
510	157.50	.55000	226.00	.4753-01	.5912-01	.5912-01	.9500	.2161-02	.2688-02	.3909	2.508	528.7
511	157.50	.60000	227.00	.4032-01	.5084-01	.5084-01	.9500	.1832-02	.2310-02	.3143	2.066	538.1
510	157.50	.65000	228.00	.3879-01	.4880-01	.4880-01	.9500	.1763-02	.2218-02	.3051	2.100	536.6
510	157.50	.70000	229.00	.3161-01	.3985-01	.3985-01	.9500	.1437-02	.1811-02	.2469	1.839	537.9
510	157.50	.75000	230.00	.3123-01	.3945-01	.3945-01	.9500	.1420-02	.1794-02	.2418	1.800	539.4
510	157.50	.80000	231.00	.8208-01	.1074	.1074	.9500	.3732-02	.4881-02	.5622	3.885	559.0
511	180.00	.10000-01	169.00	.4125	.6207	.6207	.9500	.1874-01	.2821-01	1.982	12.99	603.9
511	180.00	.25000-01	170.00	.2281	.3072	.3072	.9500	.1037-01	.1396-01	1.429	10.13	571.8
511	180.00	.50000-01	171.00	.1441	.1874	.1874	.9500	.6546-02	.8514-02	1.005	6.359	556.1
511	180.00	.75000-01	172.00	.1107	.1419	.1419	.9500	.5030-02	.6446-02	.8125	5.161	548.1
511	180.00	.10000+00	173.00	.7598-01	.9673-01	.9673-01	.9500	.3453-02	.4396-02	.5711	3.742	544.3
511	180.00	.12500	174.00	.6182-01	.7884-01	.7884-01	.9500	.2809-02	.3583-02	.4617	3.213	545.3
511	180.00	.15000	175.00	.2674	.3662	.3662	.9500	.1215-01	.1664-01	1.599	10.94	578.1
511	180.00	.16000	176.00	.4675	.7483	.7483	.9500	.2124-01	.3400-01	2.009	10.80	615.1
511	180.00	.17000	177.00	.5768	.9524	.9524	.9500	.2621-01	.4328-01	2.358	12.65	619.7
511	180.00	.18000	178.00	.3800	.5903	.5903	.9500	.1727-01	.2682-01	1.719	11.23	610.1
511	180.00	.20000	179.00	.1157	.1471	.1471	.9500	.5256-02	.6685-02	.8724	5.400	543.7
511	180.00	.40000	182.00	.2637-01	.3274-01	.3274-01	.9500	.1198-02	.1488-02	.2186	1.889	527.3
511	180.00	.45000	183.00	.3480-01	.4309-01	.4309-01	.9500	.1582-02	.1958-02	.2920	2.526	525.0
511	180.00	.50000	184.00	.2855-01	.3535-01	.3535-01	.9500	.1297-02	.1606-02	.2394	2.154	525.2
511	180.00	.55000	185.00	.2529-01	.3150-01	.3150-01	.9500	.1149-02	.1431-02	.2067	1.784	529.8
511	180.00	.60000	186.00	.2477-01	.3110-01	.3110-01	.9500	.1126-02	.1413-02	.1963	1.757	535.3
511	180.00	.65000	187.00	.1991-01	.2512-01	.2512-01	.9500	.9045-03	.1141-02	.1547	1.440	538.7
511	180.00	.70000	188.00	.1781-01	.2249-01	.2249-01	.9500	.8092-03	.1022-02	.1379	1.232	539.2
511	180.00	.75000	189.00	.1082-01	.1369-01	.1369-01	.9500	.4915-03	.6222-03	.8303-01	.7266	540.7
511	180.00	.80000	190.00	.4680-01	.6060-01	.6060-01	.9500	.2127-02	.2754-02	.3312	3.192	553.9
510	315.00	.40000	234.00	.4850-01	.6101-01	.6101-01	.9500	.2205-02	.2774-02	.3817	2.845	536.6
510	315.00	.45000	235.00	.4635-01	.5785-01	.5785-01	.9500	.2107-02	.2630-02	.3760	2.810	531.2
510	315.00	.50000	236.00	.4840-01	.6005-01	.6005-01	.9500	.2200-02	.2730-02	.4025	2.513	526.8
510	315.00	.55000	237.00	.4269-01	.5315-01	.5315-01	.9500	.1941-02	.2416-02	.3501	2.245	529.3

IH102 60-OTS FUSELAGE (R4WA41)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
510	315.00	.60000	238.00	.3017-01	.3775-01	.3775-01	.9500	.1371-02	.1716-02	.2422	1.750	533.1
510	315.00	.65000	239.00	.3123-01	.3934-01	.3934-01	.9500	.1420-02	.1788-02	.2443	1.707	537.6
510	315.00	.70000	240.00	.3006-01	.3791-01	.3791-01	.9500	.1367-02	.1724-02	.2340	1.743	538.4
510	315.00	.75000	241.00	.3169-01	.4004-01	.4004-01	.9500	.1441-02	.1820-02	.2453	1.711	539.4
510	315.00	.80000	242.00	.7793-01	.1028	.1028	.9500	.3543-02	.4675-02	.5190	3.579	563.2

IH102 60-OTS FUSELAGE (R4WA42)

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
520	1.025	4.020	-5.002	-5.969	16.96	711.7	168.2	.1088	1.231	2556.	.1746-02	.1353-06
521	1.023	4.020	-4.962	-5.940	16.93	711.7	168.2	.1086	1.228	2556.	.1743-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
520	.2463-01	.2294-01
521	.2461-01	.2296-01

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
520	.00000	.20000-01	4.0000	.1675	.2080	.2279	.9320	.4125-02	.5613-02	.7535	4.229	529.0
520	.00000	.50000-01	7.0000	.4804-01	.5913-01	.6734-01	.9236	.1183-02	.1658-02	.2245	1.533	521.9
521	20.000	.10000+00	207.00	.2722-01	.3357-01	.3357-01	.9500	.6699-03	.8261-03	.1260	.7465	523.5
521	20.000	.15000	211.00	.1462	.1849	.1849	.9500	.3599-02	.4551-02	.6120	3.900	541.6
521	22.000	.50000-01	202.00	.1122	.1382	.1382	.9500	.2762-02	.3400-02	.5236	2.949	522.1
521	24.500	.10000+00	208.00	.3906-01	.4816-01	.4816-01	.9500	.9612-03	.1185-02	.1810	1.164	523.4
521	25.500	.15000	212.00	.2496-01	.3138-01	.3138-01	.9500	.6142-03	.7722-03	.1068	.9550	537.7
521	31.500	.20000	215.00	.5527-01	.6896-01	.6896-01	.9500	.1360-02	.1697-02	.2438	2.484	532.4
521	35.000	.50000-01	203.00	.1257	.1562	.1562	.9500	.3092-02	.3844-02	.5626	3.607	529.7
521	35.000	.20000	216.00	.4651-01	.5792-01	.5792-01	.9500	.1144-02	.1425-02	.2067	2.107	531.1
521	39.000	.10000+00	209.00	.7508-01	.9275-01	.9275-01	.9500	.1847-02	.2282-02	.3450	2.217	524.9
521	40.000	.20000	217.00	.2763-01	.3445-01	.3445-01	.9500	.6798-03	.8476-03	.1222	1.369	532.0
521	42.500	.50000-01	204.00	.1653	.2068	.2068	.9500	.4068-02	.5088-02	.7221	4.900	534.2
521	45.500	.15000	214.00	.1884-01	.2332-01	.2332-01	.9500	.4637-03	.5738-03	.8597-01	.5086	526.3
521	51.000	.20000	218.00	.6577-02	.8136-02	.8136-02	.9500	.1618-03	.2002-03	.3006-01	.1931	526.0
521	60.000	.50000-01	205.00	.1831	.2302	.2302	.9500	.4506-02	.5665-02	.7634	5.306	537.8
521	67.500	.20000	219.00	.2005-01	.2465-01	.2465-01	.9500	.4935-03	.6067-03	.9415-01	.7074	520.9
521	96.500	.20000	1220.0	.3578-01	.4413-01	.4413-01	.9500	.8805-03	.1086-02	.1657	1.203	523.5
521	114.00	.40000	388.00	.2296-01	.2810-01	.2810-01	.9500	.5651-03	.6914-03	.1101	.8021	516.9

IH102 60-OTS FUSELAGE (R4WA42)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
521	114.00	.45000	389.00	.7136-01	.8699-01	.8699-01	.9500	.1756-02	.2141-02	.3476	2.383	513.7
521	114.00	.50000	390.00	.6690-01	.8126-01	.8126-01	.9500	.1646-02	.2000-02	.3315	2.087	510.3
521	114.00	.55000	391.00	.5221-01	.6383-01	.6383-01	.9500	.1285-02	.1571-02	.2512	1.646	516.1
521	114.00	.60000	392.00	.3786-01	.4645-01	.4645-01	.9500	.9316-03	.1143-02	.1792	1.207	519.3
521	114.00	.65000	393.00	.2779-01	.3428-01	.3428-01	.9500	.6839-03	.8435-03	.1286	.8393	523.6
521	114.00	.70000	394.00	.2397-01	.2963-01	.2963-01	.9500	.5899-03	.7292-03	.1099	.7268	525.4
521	114.00	.75000	395.00	.2551-01	.3156-01	.3156-01	.9500	.6279-03	.7765-03	.1167	.7288	525.8
521	114.00	.80000	396.00	.7229-01	.9007-01	.9007-01	.9500	.1779-02	.2216-02	.3206	2.114	531.5
521	119.00	.10000+00	210.00	.9738-01	.1206	.1206	.9500	.2396-02	.2967-02	.4434	2.693	526.7
521	157.50	.40000	223.00	.4104-02	.4939-02	.4939-02	.9500	.1010-03	.1215-03	.2124-01	.1423	501.3
521	157.50	.55000	226.00	.1076-01	.1300-01	.1300-01	.9500	.2649-03	.3198-03	.5487-01	.3564	504.5
520	157.50	.60000	227.00	.3279-01	.4040-01	.4040-01	.9500	.8077-03	.9950-03	.1527	1.012	522.6
521	157.50	.65000	228.00	.4355-01	.5358-01	.5358-01	.9500	.1072-02	.1318-02	.2038	1.413	521.5
521	157.50	.70000	229.00	.3940-01	.4865-01	.4865-01	.9500	.9696-03	.1197-02	.1815	1.361	524.5
521	157.50	.75000	230.00	.3821-01	.4723-01	.4723-01	.9500	.9404-03	.1162-02	.1753	1.315	525.2
521	157.50	.80000	231.00	.7691-01	.9627-01	.9627-01	.9500	.1893-02	.2369-02	.3349	2.343	534.7
520	180.00	.10000-01	169.00	.4729	.6246	.6246	.9500	.1165-01	.1538-01	1.707	11.40	565.1
520	180.00	.25000-01	170.00	.2378	.3020	.3020	.9500	.5856-02	.7437-02	.9803	7.044	544.3
520	180.00	.50000-01	171.00	.1527	.1909	.1909	.9500	.3761-02	.4701-02	.6690	4.281	533.8
520	180.00	.75000-01	172.00	.1082	.1341	.1341	.9500	.2665-02	.3303-02	.4912	3.153	527.4
520	180.00	.10000+00	173.00	.7729-01	.9568-01	.9568-01	.9500	.1904-02	.2356-02	.3525	2.330	526.5
520	180.00	.12500	174.00	.6768-01	.8390-01	.8390-01	.9500	.1667-02	.2067-02	.3068	2.154	527.6
520	180.00	.15000	175.00	.1551	.1940	.1940	.9500	.3820-02	.4779-02	.6777	4.742	534.3
520	180.00	.16000	176.00	.4014	.5248	.5248	.9500	.9886-02	.1292-01	1.496	8.266	560.3
520	180.00	.17000	177.00	.5784	.7564	.7564	.9500	.1425-01	.1863-01	2.154	11.90	560.5
520	180.00	.18000	178.00	.3685	.4772	.4772	.9500	.9075-02	.1175-01	1.418	9.515	555.5
520	180.00	.20000	179.00	.9341-01	.1153	.1153	.9500	.2301-02	.2839-02	.4315	2.697	524.1
520	180.00	.50000	184.00	.1988-02	.2405-02	.2405-02	.9500	.4897-04	.5922-04	.1006-01	.9139-01	506.2
520	180.00	.55000	185.00	.6015-02	.7322-02	.7322-02	.9500	.1481-03	.1803-03	.2952-01	.2570	512.4
520	180.00	.60000	186.00	.1689-02	.2071-02	.2071-02	.9500	.4161-04	.5100-04	.8041-02	.7260-01	518.4
520	180.00	.65000	187.00	.1352-01	.1670-01	.1670-01	.9500	.3329-03	.4113-03	.6216-01	.5826	524.9
520	180.00	.70000	188.00	.2401-01	.2978-01	.2978-01	.9500	.5915-03	.7334-03	.1087	.9771	527.8
520	180.00	.75000	189.00	.3139-01	.3906-01	.3906-01	.9500	.7732-03	.9620-03	.1402	1.233	530.4
520	180.00	.80000	190.00	.2305-01	.2902-01	.2902-01	.9500	.5677-03	.7147-03	.9824-01	.9542	538.6
521	315.00	.40000	234.00	.1302-01	.1569-01	.1569-01	.9500	.3204-03	.3861-03	.6700-01	.5082	502.6
521	315.00	.45000	235.00	.1208-01	.1452-01	.1452-01	.9500	.2974-03	.3573-03	.6304-01	.4789	499.7
521	315.00	.50000	236.00	.2539-01	.3060-01	.3060-01	.9500	.6248-03	.7530-03	.1306	.8253	502.7
521	315.00	.55000	237.00	.2840-01	.3451-01	.3451-01	.9500	.6989-03	.8493-03	.1404	.9093	510.7
521	315.00	.60000	238.00	.2102-01	.2571-01	.2571-01	.9500	.5172-03	.6327-03	.1008	.7348	516.7
521	315.00	.65000	239.00	.2081-01	.2560-01	.2560-01	.9500	.5121-03	.6300-03	.9735-01	.6855	521.6
521	315.00	.70000	240.00	.2178-01	.2686-01	.2686-01	.9500	.5359-03	.6611-03	.1007	.7552	523.8
521	315.00	.75000	241.00	.2571-01	.3176-01	.3176-01	.9500	.6327-03	.7814-03	.1183	.8318	524.7
521	315.00	.80000	242.00	.9267-01	.1164	.1164	.9500	.2280-02	.2864-02	.3984	2.783	537.0

IH102 60-OTS FUSELAGE (R4WA42)

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBFK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
460	3.526	4.020	-4.966	-5.970	57.99	708.7	167.5	.3719	4.207	2550.	.5994-02	.1347-06
461	3.526	4.020	-4.973	-5.944	57.99	708.7	167.5	.3719	4.207	2550.	.5994-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
460	.4551-01	.1237-01
461	.4551-01	.1237-01

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
460	.00000	.20000-01	4.0000	.1697	.2156	.2388	.9320	.7723-02	.1087-01	1.286	7.170	542.2
460	.00000	.50000-01	7.0000	.2913-01	.3670-01	.4252-01	.9236	.1326-02	.1935-02	.2279	1.544	536.7
461	20.000	.10000+00	207.00	.2595-01	.3422-01	.3422-01	.9500	.1181-02	.1557-02	.1731	1.006	562.1
461	20.000	.15000	211.00	.2135	.3016	.3016	.9500	.9718-02	.1372-01	1.180	7.348	587.3
461	22.000	.50000-01	202.00	.1032	.1320	.1320	.9500	.4695-02	.6008-02	.7609	4.232	546.6
461	24.500	.10000+00	208.00	.1256-01	.1641-01	.1641-01	.9500	.5714-03	.7469-03	.8618-01	.5448	557.8
461	25.500	.15000	212.00	.1067	.1507	.1507	.9500	.4855-02	.6857-02	.5891	5.137	587.3
461	31.500	.20000	215.00	.9692-01	.1308	.1308	.9500	.4410-02	.5952-02	.6032	6.023	571.9
461	35.000	.50000-01	203.00	.1314	.1717	.1717	.9500	.5979-02	.7815-02	.9016	5.699	557.9
461	35.000	.20000	216.00	.1018	.1391	.1391	.9500	.4630-02	.6328-02	.6116	6.093	576.6
461	39.000	.10000+00	209.00	.5448-01	.7073-01	.7073-01	.9500	.2479-02	.3219-02	.3823	2.421	554.5
461	40.000	.15000	213.00	.2030-01	.2747-01	.2747-01	.9500	.9236-03	.1250-02	.1253	.9171	573.0
461	40.000	.20000	217.00	.8542-01	.1189	.1189	.9500	.3887-02	.5410-02	.4892	5.345	582.8
461	42.500	.50000-01	204.00	.1543	.2057	.2057	.9500	.7021-02	.9362-02	.9947	6.638	567.0
461	51.000	.20000	218.00	.2425-01	.3175-01	.3175-01	.9500	.1103-02	.1445-02	.1654	1.045	558.8
461	60.000	.50000-01	205.00	.1747	.2370	.2370	.9500	.7949-02	.1079-01	1.071	7.121	574.0
461	67.500	.20000	219.00	.2765-02	.3519-02	.3519-02	.9500	.1258-03	.1602-03	.2078-01	.1544	543.5
461	96.500	.20000	1220.0	.1115	.1492	.1492	.9500	.5072-02	.6787-02	.7109	5.047	568.5
461	114.00	.40000	388.00	.5971-01	.7690-01	.7690-01	.9500	.2717-02	.3499-02	.4307	3.086	550.1

IH102 60-OTS FUSELAGE (R4WA42)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
461	114.00	.45000	389.00	.5333-01	.6797-01	.6797-01	.9500	.2427-02	.3093-02	.3992	2.695	544.2
461	114.00	.50000	390.00	.5455-01	.6896-01	.6896-01	.9500	.2483-02	.3138-02	.4212	2.613	539.0
461	114.00	.55000	391.00	.4409-01	.5586-01	.5586-01	.9500	.2006-02	.2542-02	.3372	2.182	540.6
461	114.00	.60000	392.00	.3549-01	.4505-01	.4505-01	.9500	.1615-02	.2050-02	.2696	1.795	541.7
461	114.00	.65000	393.00	.3098-01	.3950-01	.3950-01	.9500	.1410-02	.1798-02	.2315	1.495	544.4
461	114.00	.70000	394.00	.3021-01	.3858-01	.3858-01	.9500	.1375-02	.1756-02	.2246	1.471	545.3
461	114.00	.75000	395.00	.2933-01	.3744-01	.3744-01	.9500	.1335-02	.1704-02	.2183	1.350	545.1
461	114.00	.80000	396.00	.7494-01	.9875-01	.9875-01	.9500	.3410-02	.4494-02	.5012	3.255	561.7
461	119.00	.10000+00	210.00	.1030	.1331	.1331	.9500	.4687-02	.6055-02	.7356	4.412	551.7
461	157.50	.40000	223.00	.3395-01	.4256-01	.4256-01	.9500	.1545-02	.1937-02	.2705	1.782	533.6
461	157.50	.45000	224.00	.3682-01	.4610-01	.4610-01	.9500	.1676-02	.2098-02	.2949	1.943	532.7
461	157.50	.50000	225.00	.4258-01	.5348-01	.5348-01	.9500	.1937-02	.2434-02	.3368	2.217	534.9
461	157.50	.55000	226.00	.4109-01	.5185-01	.5185-01	.9500	.1870-02	.2359-02	.3192	2.038	538.0
460	157.50	.60000	227.00	.3559-01	.4499-01	.4499-01	.9500	.1620-02	.2047-02	.2747	1.805	539.0
461	157.50	.65000	228.00	.3272-01	.4198-01	.4198-01	.9500	.1489-02	.1910-02	.2392	1.636	548.0
461	157.50	.70000	229.00	.3467-01	.4470-01	.4470-01	.9500	.1578-02	.2034-02	.2492	1.844	550.7
461	157.50	.75000	230.00	.3290-01	.4250-01	.4250-01	.9500	.1497-02	.1934-02	.2349	1.738	551.7
461	157.50	.80000	231.00	.7404-01	.9775-01	.9775-01	.9500	.3369-02	.4448-02	.4922	3.395	562.6
460	180.00	.10000-01	169.00	.4187	.6308	.6308	.9500	.1905-01	.2870-01	2.008	13.17	603.3
460	180.00	.25000-01	170.00	.2350	.3144	.3144	.9500	.1069-01	.1431-01	1.500	10.65	568.4
460	180.00	.50000-01	171.00	.1469	.1891	.1891	.9500	.6686-02	.8606-02	1.062	6.740	549.8
460	180.00	.75000-01	172.00	.1066	.1350	.1350	.9500	.4850-02	.6145-02	.8153	5.199	540.6
460	180.00	.10000+00	173.00	.7549-01	.9513-01	.9513-01	.9500	.3435-02	.4329-02	.5895	3.876	537.1
460	180.00	.12500	174.00	.6154-01	.7767-01	.7767-01	.9500	.2800-02	.3534-02	.4779	3.338	538.0
460	180.00	.15000	175.00	.2420	.3245	.3245	.9500	.1101-01	.1477-01	1.535	10.55	569.3
460	180.00	.16000	176.00	.4994	.8173	.8173	.9500	.2272-01	.3719-01	2.070	11.12	617.6
460	180.00	.17000	177.00	.6010	1.025	1.025	.9500	.2735-01	.4664-01	2.343	12.55	623.0
460	180.00	.18000	178.00	.4064	.6444	.6444	.9500	.1849-01	.2932-01	1.774	11.58	612.7
460	180.00	.20000	179.00	.1240	.1573	.1573	.9500	.5645-02	.7156-02	.9469	5.869	540.9
460	180.00	.40000	182.00	.3081-01	.3831-01	.3831-01	.9500	.1402-02	.1743-02	.2537	2.192	527.7
460	180.00	.45000	183.00	.3112-01	.3873-01	.3873-01	.9500	.1416-02	.1762-02	.2554	2.206	528.3
460	180.00	.50000	184.00	.3063-01	.3818-01	.3818-01	.9500	.1394-02	.1737-02	.2498	2.242	529.5
460	180.00	.55000	185.00	.3297-01	.4136-01	.4136-01	.9500	.1500-02	.1882-02	.2619	2.256	534.1
460	180.00	.60000	186.00	.2589-01	.3274-01	.3274-01	.9500	.1178-02	.1490-02	.1997	1.784	539.2
460	180.00	.65000	187.00	.1666-01	.2120-01	.2120-01	.9500	.7582-03	.9648-03	.1255	1.165	543.2
460	180.00	.70000	188.00	.1173-01	.1494-01	.1494-01	.9500	.5337-03	.6797-03	.8806-01	.7849	543.7
460	180.00	.75000	189.00	.1346-01	.1720-01	.1720-01	.9500	.6127-03	.7828-03	.9991-01	.8722	545.6
460	180.00	.80000	190.00	.4115-01	.5375-01	.5375-01	.9500	.1872-02	.2446-02	.2831	2.723	557.5
461	315.00	.40000	234.00	.4018-01	.5056-01	.5056-01	.9500	.1828-02	.2301-02	.3157	2.354	536.0
461	315.00	.45000	235.00	.3823-01	.4810-01	.4810-01	.9500	.1740-02	.2189-02	.3002	2.238	536.1
461	315.00	.50000	236.00	.3301-01	.4123-01	.4123-01	.9500	.1502-02	.1876-02	.2668	1.662	531.0
461	315.00	.55000	237.00	.3504-01	.4408-01	.4408-01	.9500	.1594-02	.2006-02	.2753	1.759	536.0
461	315.00	.60000	238.00	.3376-01	.4287-01	.4287-01	.9500	.1536-02	.1951-02	.2561	1.842	542.0

IH102 60-OTS FUSELAGE (R4WA42)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
461	315.00	.65000	239.00	.3463-01	.4434-01	.4434-01	.9500	.1576-02	.2018-02	.2550	1.773	546.9
461	315.00	.70000	240.00	.2943-01	.3771-01	.3771-01	.9500	.1339-02	.1716-02	.2162	1.603	547.2
461	315.00	.75000	241.00	.2970-01	.3808-01	.3808-01	.9500	.1352-02	.1733-02	.2177	1.513	547.6
461	315.00	.80000	242.00	.8988-01	.1199	.1199	.9500	.4090-02	.5458-02	.5782	3.979	567.3

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
517	1.032	4.020	-4.920	-.1715-02	16.97	708.7	167.5	.1088	1.231	2550.	.1754-02	.1347-06
518	1.028	4.020	-5.022	-.1751-02	16.95	709.7	167.7	.1087	1.230	2552.	.1750-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
517	.2462-01	.2287-01
518	.2461-01	.2290-01

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
517	.00000	.20000-01	4.0000	.1572	.1966	.2159	.9321	.3871-02	.5315-02	.6856	3.843	531.6
517	.00000	.50000-01	7.0000	.6037-01	.7489-01	.8576-01	.9236	.1486-02	.2111-02	.2716	1.851	525.9
518	20.000	.10000+00	207.00	.2396-01	.3026-01	.3026-01	.9500	.5896-03	.7448-03	.1004	.5899	539.4
518	20.000	.15000	211.00	.8469-01	.1076	.1076	.9500	.2084-02	.2649-02	.3469	2.209	543.2
518	22.000	.50000-01	202.00	.8014-01	.1010	.1010	.9500	.1972-02	.2487-02	.3382	1.890	538.2
518	24.500	.10000+00	208.00	.2509-01	.3179-01	.3179-01	.9500	.6174-03	.7824-03	.1039	.6621	541.4
518	25.500	.15000	212.00	.2080-01	.2635-01	.2635-01	.9500	.5118-03	.6483-03	.8623-01	.7695	541.2
518	31.500	.20000	215.00	.2243-01	.2813-01	.2813-01	.9500	.5521-03	.6922-03	.9679-01	.9850	534.3
518	35.000	.50000-01	203.00	.9243-01	.1174	.1174	.9500	.2275-02	.2890-02	.3791	2.414	543.0
518	35.000	.20000	216.00	.2088-01	.2622-01	.2622-01	.9500	.5139-03	.6453-03	.8954-01	.9107	535.4
518	39.000	.10000+00	209.00	.4240-01	.5359-01	.5359-01	.9500	.1044-02	.1319-02	.1774	1.131	539.7
518	40.000	.20000	217.00	.1427-01	.1794-01	.1794-01	.9500	.3511-03	.4416-03	.6079-01	.6797	536.5
518	42.500	.50000-01	204.00	.1185	.1513	.1513	.9500	.2916-02	.3724-02	.4767	3.215	546.2
518	60.000	.50000-01	205.00	.1559	.1998	.1998	.9500	.3836-02	.4917-02	.6191	4.170	548.3
518	96.500	.20000	1220.0	.3204-01	.4006-01	.4006-01	.9500	.7885-03	.9859-03	.1397	1.010	532.5
518	114.00	.45000	389.00	.1414-01	.1731-01	.1731-01	.9500	.3480-03	.4259-03	.6745-01	.4620	515.8
518	114.00	.50000	390.00	.2677-01	.3278-01	.3278-01	.9500	.6587-03	.8067-03	.1274	.7995	516.3
518	114.00	.55000	391.00	.5005-01	.6191-01	.6191-01	.9500	.1232-02	.1524-02	.2280	1.487	524.5
518	114.00	.60000	392.00	.5184-01	.6447-01	.6447-01	.9500	.1276-02	.1587-02	.2309	1.548	528.6

IH102 60-OTS FUSELAGE (R4WA43)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
518	114.00	.65000	393.00	.4935-01	.6172-01	.6172-01	.9500	.1214-02	.1519-02	.2149	1.396	532.7
518	114.00	.70000	394.00	.4197-01	.5268-01	.5268-01	.9500	.1033-02	.1296-02	.1803	1.187	535.1
518	114.00	.75000	395.00	.4368-01	.5489-01	.5489-01	.9500	.1075-02	.1351-02	.1868	1.161	535.9
518	114.00	.80000	396.00	.5294-01	.6715-01	.6715-01	.9500	.1303-02	.1652-02	.2185	1.433	541.9
518	119.00	.10000+00	210.00	.8806-01	.1108	.1108	.9500	.2167-02	.2727-02	.3746	2.264	536.8
518	157.50	.40000	223.00	.6669-02	.8135-02	.8135-02	.9500	.1641-03	.2002-03	.3231-01	.2151	512.8
518	157.50	.45000	224.00	.7466-02	.9092-02	.9092-02	.9500	.1837-03	.2237-03	.3645-01	.2429	511.3
518	157.50	.50000	225.00	.5577-02	.6823-02	.6823-02	.9500	.1372-03	.1679-03	.2667-01	.1773	515.3
518	157.50	.80000	231.00	.7451-01	.9720-01	.9720-01	.9500	.1834-02	.2392-02	.2787	1.927	557.7
517	180.00	.10000-01	169.00	.4753	.6250	.6250	.9500	.1170-01	.1539-01	1.730	11.58	560.8
517	180.00	.25000-01	170.00	.2359	.2996	.2996	.9500	.5807-02	.7374-02	.9685	6.967	541.9
517	180.00	.50000-01	171.00	.1499	.1877	.1877	.9500	.3691-02	.4620-02	.6504	4.164	532.4
517	180.00	.75000-01	172.00	.1073	.1333	.1333	.9500	.2642-02	.3282-02	.4802	3.083	526.9
517	180.00	.10000+00	173.00	.7492-01	.9283-01	.9283-01	.9500	.1844-02	.2285-02	.3388	2.241	525.0
517	180.00	.12500	174.00	.6757-01	.8381-01	.8381-01	.9500	.1663-02	.2063-02	.3043	2.138	525.7
517	180.00	.15000	175.00	.1069	.1335	.1335	.9500	.2633-02	.3287-02	.4687	3.285	530.7
517	180.00	.16000	176.00	.3659	.4715	.4715	.9500	.9006-02	.1161-01	1.424	7.906	550.5
517	180.00	.17000	177.00	.3956	.5101	.5101	.9500	.9738-02	.1256-01	1.537	8.533	550.8
517	180.00	.18000	178.00	.2492	.3190	.3190	.9500	.6134-02	.7852-02	.9936	6.699	546.7
517	180.00	.20000	179.00	.8075-01	.9970-01	.9970-01	.9500	.1988-02	.2454-02	.3704	2.318	522.3
517	180.00	.80000	190.00	.5574-01	.7173-01	.7173-01	.9500	.1372-02	.1766-02	.2181	2.107	549.7
518	315.00	.65000	239.00	.7191-02	.9010-02	.9010-02	.9500	.1770-03	.2217-03	.3110-01	.2177	533.9
518	315.00	.70000	240.00	.1186-01	.1494-01	.1494-01	.9500	.2918-03	.3677-03	.5021-01	.3740	537.6
518	315.00	.75000	241.00	.1520-01	.1923-01	.1923-01	.9500	.3740-03	.4733-03	.6325-01	.4411	540.6
518	315.00	.80000	242.00	.7862-01	.1021	.1021	.9500	.1935-02	.2512-02	.2988	2.069	555.2

IH102 60-OTS FUSELAGE (R4WA43)

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
451	3.519	4.020	-4.934	.0000	57.88	708.7	167.5	.3712	4.199	2550.	.5983-02	.1347-06
452	3.515	4.020	-4.948	-.1725-02	57.93	709.7	167.7	.3715	4.202	2552.	.5979-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
451	.4546-01	.1238-01
452	.4549-01	.1239-01

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
451	.00000	.20000-01	4.0000	.1660	.2120	.2354	.9321	.7546-02	.1070-01	1.232	6.856	545.4
451	.00000	.50000-01	7.0000	.3683-01	.4616-01	.5329-01	.9236	.1674-02	.2423-02	.2933	1.991	533.5
452	20.000	.10000+00	207.00	.6537-01	.8460-01	.8460-01	.9500	.2974-02	.3849-02	.4641	2.708	553.6
452	20.000	.15000	211.00	.1564	.2220	.2220	.9500	.7114-02	.1010-01	.8537	5.311	589.7
452	22.000	.50000-01	202.00	.7562-01	.9687-01	.9687-01	.9500	.3440-02	.4407-02	.5563	3.092	548.0
452	24.500	.10000+00	208.00	.4022-01	.5155-01	.5155-01	.9500	.1830-02	.2345-02	.2953	1.875	548.3
452	25.500	.15000	212.00	.7440-01	.1020	.1020	.9500	.3395-02	.4639-02	.4442	3.891	578.4
452	31.500	.20000	215.00	.6454-01	.8704-01	.8704-01	.9500	.2936-02	.3960-02	.4029	4.022	572.4
452	35.000	.50000-01	203.00	.9872-01	.1284	.1284	.9500	.4491-02	.5840-02	.6898	4.364	556.1
452	35.000	.20000	216.00	.6015-01	.8124-01	.8124-01	.9500	.2736-02	.3696-02	.3740	3.733	573.0
452	39.000	.10000+00	209.00	.3497-01	.4492-01	.4492-01	.9500	.1591-02	.2043-02	.2551	1.619	549.4
452	40.000	.15000	213.00	.4015-01	.5307-01	.5307-01	.9500	.1826-02	.2414-02	.2662	1.957	563.9
452	40.000	.20000	217.00	.4467-01	.6009-01	.6009-01	.9500	.2032-02	.2734-02	.2810	3.088	571.4
452	42.500	.50000-01	204.00	.1207	.1595	.1595	.9500	.5492-02	.7256-02	.8015	5.358	563.7
452	45.500	.15000	214.00	.1825-01	.2342-01	.2342-01	.9500	.8301-03	.1065-02	.1334	.7801	549.0
452	51.000	.20000	218.00	.2701-01	.3480-01	.3480-01	.9500	.1229-02	.1583-02	.1948	1.236	551.1
452	60.000	.50000-01	205.00	.1468	.1981	.1981	.9500	.6677-02	.9012-02	.9146	6.086	572.7
452	67.500	.20000	219.00	.3654-02	.4600-02	.4600-02	.9500	.1662-03	.2093-03	.2869-01	.2138	537.1
452	96.500	.20000	1220.0	.6861-01	.9013-01	.9013-01	.9500	.3121-02	.4100-02	.4638	3.305	561.1

IH102 60-OTS FUSELAGE (R4WA43)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
452	114.00	.40000	388.00	.2618-01	.3308-01	.3303-01	.9500	.1191-02	.1505-02	.2025	1.459	539.6
452	114.00	.45000	389.00	.4342-01	.5502-01	.5503-01	.9500	.1975-02	.2503-02	.3324	2.247	541.4
452	114.00	.50000	390.00	.4604-01	.5818-01	.5813-01	.9500	.2095-02	.2647-02	.3564	2.211	539.5
452	114.00	.55000	391.00	.3593-01	.4566-01	.4566-01	.9500	.1635-02	.2077-02	.2721	1.758	543.2
452	114.00	.60000	392.00	.3536-01	.4514-01	.4514-01	.9500	.1609-02	.2054-02	.2635	1.751	545.9
452	114.00	.65000	393.00	.3810-01	.4898-01	.4898-01	.9500	.1733-02	.2228-02	.2768	1.782	550.0
452	114.00	.70000	394.00	.3617-01	.4648-01	.4648-01	.9500	.1645-02	.2114-02	.2632	1.719	549.7
452	114.00	.75000	395.00	.3730-01	.4788-01	.4788-01	.9500	.1697-02	.2178-02	.2725	1.682	549.1
452	114.00	.80000	396.00	.5305-01	.6914-01	.6914-01	.9500	.2413-02	.3146-02	.3678	2.394	557.3
452	119.00	.10000+00	210.00	.8364-01	.1079	.1079	.9500	.3805-02	.4911-02	.5997	3.596	552.1
452	157.50	.40000	223.00	.2799-01	.3509-01	.3509-01	.9500	.1273-02	.1596-02	.2232	1.470	534.4
452	157.50	.45000	224.00	.3377-01	.4236-01	.4236-01	.9500	.1536-02	.1927-02	.2688	1.769	534.7
452	157.50	.50000	225.00	.4279-01	.5395-01	.5395-01	.9500	.1947-02	.2454-02	.3341	2.196	538.0
452	157.50	.55000	226.00	.5027-01	.6402-01	.6402-01	.9500	.2287-02	.2912-02	.3779	2.405	544.4
451	157.50	.60000	227.00	.5033-01	.6420-01	.6420-01	.9500	.2288-02	.2919-02	.3753	2.459	544.6
452	157.50	.65000	228.00	.4728-01	.6129-01	.6129-01	.9500	.2151-02	.2788-02	.3336	2.275	554.5
452	157.50	.70000	229.00	.4183-01	.5433-01	.5433-01	.9500	.1903-02	.2472-02	.2935	2.167	555.4
452	157.50	.75000	230.00	.4185-01	.5442-01	.5442-01	.9500	.1904-02	.2476-02	.2923	2.158	556.1
452	157.50	.80000	231.00	.6726-01	.8946-01	.8946-01	.9500	.3060-02	.4070-02	.4375	3.012	566.7
451	180.00	.10000-01	169.00	.4014	.6186	.6186	.9500	.1825-01	.2812-01	1.841	12.04	607.8
451	180.00	.25000-01	170.00	.2309	.3124	.3124	.9500	.1050-01	.1420-01	1.427	10.11	572.8
451	180.00	.50000-01	171.00	.1440	.1870	.1870	.9500	.6545-02	.8500-02	1.008	6.384	554.6
451	180.00	.75000-01	172.00	.1006	.1288	.1288	.9500	.4573-02	.5858-02	.7387	4.695	547.1
451	180.00	.10000+00	173.00	.7031-01	.8923-01	.8923-01	.9500	.3197-02	.4057-02	.5344	3.506	541.5
451	180.00	.12500	174.00	.5864-01	.7462-01	.7462-01	.9500	.2666-02	.3393-02	.4409	3.071	543.3
451	180.00	.15000	175.00	.1693	.2236	.2236	.9500	.7695-02	.1017-01	1.121	7.734	562.9
451	180.00	.16000	176.00	.4495	.7367	.7367	.9500	.2044-01	.3349-01	1.857	9.972	617.8
451	180.00	.17000	177.00	.6405	1.146	1.146	.9500	.2912-01	.5211-01	2.339	12.49	628.4
451	180.00	.18000	178.00	.4136	.6809	.6809	.9500	.1880-01	.3096-01	1.697	11.04	618.4
451	180.00	.20000	179.00	.1246	.1591	.1591	.9500	.5663-02	.7232-02	.9246	5.718	545.4
451	180.00	.40000	182.00	.2208-01	.2744-01	.2744-01	.9500	.1004-02	.1247-02	.1821	1.573	527.3
451	180.00	.45000	183.00	.3971-01	.4954-01	.4954-01	.9500	.1805-02	.2252-02	.3225	2.783	530.0
451	180.00	.50000	184.00	.4074-01	.5099-01	.5099-01	.9500	.1852-02	.2318-02	.3265	2.927	532.4
451	180.00	.55000	185.00	.4077-01	.5126-01	.5126-01	.9500	.1854-02	.2330-02	.3212	2.764	535.4
451	180.00	.60000	186.00	.3550-01	.4489-01	.4489-01	.9500	.1614-02	.2041-02	.2734	2.442	539.3
451	180.00	.65000	187.00	.3362-01	.4279-01	.4279-01	.9500	.1528-02	.1945-02	.2526	2.346	543.4
451	180.00	.70000	188.00	.3490-01	.4447-01	.4447-01	.9500	.1587-02	.2022-02	.2611	2.327	544.1
451	180.00	.75000	189.00	.3559-01	.4548-01	.4543-01	.9500	.1618-02	.2068-02	.2638	2.303	545.7
451	180.00	.80000	190.00	.5515-01	.7295-01	.7295-01	.9500	.2507-02	.3317-02	.3639	3.491	563.5
452	315.00	.40000	234.00	.2779-01	.3491-01	.3491-01	.9500	.1264-02	.1588-02	.2199	1.640	535.7
452	315.00	.45000	235.00	.3091-01	.3887-01	.3887-01	.9500	.1406-02	.1768-02	.2435	1.815	536.5
452	315.00	.50000	236.00	.3687-01	.4625-01	.4625-01	.9500	.1678-02	.2104-02	.2935	1.825	534.7
452	315.00	.55000	237.00	.3927-01	.4972-01	.4972-01	.9500	.1787-02	.2262-02	.3018	1.924	540.7

IH102 60-0TS FUSELAGE (R4WA43)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
452	315.00	.60000	238.00	.3461-01	.4414-01	.4414-01	.9500	.1575-02	.2008-02	.2588	1.859	545.3
452	315.00	.65000	239.00	.3570-01	.4583-01	.4583-01	.9500	.1624-02	.2085-02	.2606	1.810	549.2
452	315.00	.70000	240.00	.3342-01	.4294-01	.4294-01	.9500	.1520-02	.1954-02	.2433	1.801	549.7
452	315.00	.75000	241.00	.3647-01	.4695-01	.4695-01	.9500	.1659-02	.2136-02	.2640	1.832	550.6
452	315.00	.80000	242.00	.7697-01	.1019	.1019	.9500	.3501-02	.4636-02	.5076	3.497	564.7

IH102 60-OTS FUSELAGE (R4WA45)

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
503	3.489	4.020	-.1956-01	-11.07	57.75	711.7	168.2	.3703	4.189	2556.	.5944-02	.1353-06
504	3.525	4.020	-.7779-02	-11.01	57.74	706.7	167.0	.3703	4.188	2547.	.5985-02	.1344-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
503	.4544-01	.1243-01
504	.4538-01	.1238-01

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
503	.00000	.20000-01	4.0000	.1605	.2100	.2270	.9378	.7292-02	.1032-01	1.100	6.078	560.8
503	.00000	.50000-01	7.0000	.4267-01	.5412-01	.6191-01	.9266	.1939-02	.2814-02	.3260	2.201	543.6
504	20.000	.10000+00	207.00	.4706-01	.6152-01	.6152-01	.9500	.2136-02	.2792-02	.3212	1.871	556.3
504	20.000	.15000	211.00	.1153	.1680	.1680	.9500	.5233-02	.7623-02	.5896	3.660	594.0
504	22.000	.50000-01	202.00	.1030	.1378	.1378	.9500	.4673-02	.6256-02	.6524	3.592	567.1
504	24.500	.10000+00	208.00	.4181-01	.5561-01	.5561-01	.9500	.1897-02	.2524-02	.2701	1.702	564.3
504	25.500	.15000	212.00	.5883-01	.8119-01	.8119-01	.9500	.2670-02	.3685-02	.3425	3.000	578.4
504	31.500	.20000	215.00	.3380-01	.4574-01	.4574-01	.9500	.1534-02	.2076-02	.2076	2.074	571.3
504	35.000	.50000-01	203.00	.1285	.1792	.1792	.9500	.5834-02	.8134-02	.7289	4.553	581.7
504	35.000	.20000	216.00	.3680-01	.5005-01	.5005-01	.9500	.1670-02	.2271-02	.2228	2.223	573.2
504	39.000	.10000+00	209.00	.5360-01	.7397-01	.7397-01	.9500	.2433-02	.3357-02	.3121	1.953	578.4
504	40.000	.15000	213.00	.5023-01	.7245-01	.7245-01	.9500	.2280-02	.3288-02	.2627	1.905	591.5
504	40.000	.20000	217.00	.3582-01	.4944-01	.4944-01	.9500	.1625-02	.2244-02	.2084	2.282	578.4
504	42.500	.50000-01	204.00	.1536	.2203	.2203	.9500	.6972-02	.9998-02	.8139	5.370	589.9
504	45.500	.15000	214.00	.3423-01	.4714-01	.4714-01	.9500	.1553-02	.2139-02	.2004	1.155	577.6
504	51.000	.20000	218.00	.8864-01	.1250	.1250	.9500	.4023-02	.5673-02	.4885	3.046	585.2
504	60.000	.50000-01	205.00	.1583	.2246	.2246	.9500	.7183-02	.1019-01	.8597	5.681	587.0
504	67.500	.20000	219.00	.3602-01	.4854-01	.4854-01	.9500	.1635-02	.2203-02	.2239	1.642	569.7
504	96.500	.20000	1220.0	.2325-01	.3124-01	.3124-01	.9500	.1055-02	.1418-02	.1459	1.036	568.4

IH102 60-OTS FUSELAGE (R4WA45)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
504	114.00	.40000	388.00	.4615-01	.6097-01	.6097-01	.9500	.2095-02	.2767-02	.3045	2.170	561.3
504	114.00	.45000	389.00	.5265-01	.6862-01	.6862-01	.9500	.2389-02	.3114-02	.3629	2.436	554.8
504	114.00	.50000	390.00	.5213-01	.6719-01	.6719-01	.9500	.2366-02	.3049-02	.3730	2.302	549.0
504	114.00	.55000	391.00	.4131-01	.5355-01	.5355-01	.9500	.1875-02	.2430-02	.2898	1.864	552.1
504	114.00	.60000	392.00	.3589-01	.4660-01	.4660-01	.9500	.1629-02	.2115-02	.2505	1.659	552.9
504	114.00	.65000	393.00	.3246-01	.4215-01	.4215-01	.9500	.1473-02	.1913-02	.2264	1.455	553.0
504	114.00	.70000	394.00	.2823-01	.3675-01	.3675-01	.9500	.1281-02	.1668-02	.1954	1.274	554.2
504	114.00	.75000	395.00	.2062-01	.2658-01	.2658-01	.9500	.9358-03	.1206-02	.1475	.9103	549.1
504	114.00	.80000	396.00	.3598-01	.4725-01	.4725-01	.9500	.1633-02	.2144-02	.2420	1.574	558.5
504	119.00	.10000+00	210.00	.8563-01	.1138	.1138	.9500	.3886-02	.5167-02	.5539	3.302	564.1
504	157.50	.40000	223.00	.2760-01	.3480-01	.3480-01	.9500	.1253-02	.1579-02	.2140	1.408	535.8
504	157.50	.45000	224.00	.2628-01	.3290-01	.3290-01	.9500	.1193-02	.1493-02	.2093	1.381	531.2
504	157.50	.50000	225.00	.2057-01	.2574-01	.2574-01	.9500	.9334-03	.1168-02	.1642	1.083	530.7
504	157.50	.55000	226.00	.1835-01	.2308-01	.2308-01	.9500	.8326-03	.1048-02	.1433	.9167	534.5
503	157.50	.60000	227.00	.1370-01	.1719-01	.1719-01	.9500	.6228-03	.7814-03	.1092	.7183	536.3
504	157.50	.65000	228.00	.1229-01	.1558-01	.1558-01	.9500	.5579-03	.7072-03	.9339-01	.6417	539.3
504	157.50	.70000	229.00	.1133-01	.1438-01	.1438-01	.9500	.5144-03	.6527-03	.8577-01	.6383	539.9
504	157.50	.75000	230.00	.1016-01	.1290-01	.1290-01	.9500	.4612-03	.5853-03	.7686-01	.5720	540.0
504	157.50	.80000	231.00	.4298-01	.5593-01	.5593-01	.9500	.1951-02	.2538-02	.2978	2.063	554.0
503	180.00	.10000-01	169.00	.3181	.4925	.4925	.9500	.1446-01	.2238-01	1.453	9.488	611.2
503	180.00	.25000-01	170.00	.1822	.2493	.2493	.9500	.8282-02	.1133-01	1.096	7.736	579.4
503	180.00	.50000-01	171.00	.1119	.1464	.1464	.9500	.5085-02	.6652-02	.7678	4.846	560.7
503	180.00	.75000-01	172.00	.7764-01	.9984-01	.9984-01	.9500	.3528-02	.4537-02	.5646	3.580	551.6
503	180.00	.10000+00	173.00	.5276-01	.6743-01	.6743-01	.9500	.2398-02	.3064-02	.3922	2.564	548.1
503	180.00	.12500	174.00	.4036-01	.5146-01	.5146-01	.9500	.1834-02	.2338-02	.3026	2.104	546.7
503	180.00	.15000	175.00	.1737	.2361	.2361	.9500	.7894-02	.1073-01	1.063	7.281	577.0
503	180.00	.16000	176.00	.3548	.5504	.5504	.9500	.1612-01	.2501-01	1.614	8.692	611.6
503	180.00	.17000	177.00	.4457	.7165	.7165	.9500	.2025-01	.3256-01	1.907	10.24	617.5
503	180.00	.18000	178.00	.2936	.4429	.4429	.9500	.1334-01	.2013-01	1.408	9.216	606.1
503	180.00	.20000	179.00	.1005	.1268	.1268	.9500	.4567-02	.5761-02	.7841	4.862	540.0
503	180.00	.40000	182.00	.2076-01	.2591-01	.2591-01	.9500	.9435-03	.1178-02	.1689	1.456	532.6
503	180.00	.45000	183.00	.2326-01	.2912-01	.2912-01	.9500	.1057-02	.1323-02	.1868	1.608	534.9
503	180.00	.50000	184.00	.1584-01	.1978-01	.1978-01	.9500	.7197-03	.8987-03	.1286	1.152	533.0
503	180.00	.55000	185.00	.1119-01	.1396-01	.1396-01	.9500	.5084-03	.6343-03	.9108-01	.7850	532.5
503	180.00	.60000	186.00	.7294-02	.9093-02	.9093-02	.9500	.3315-03	.4132-03	.5963-01	.5347	531.8
503	180.00	.65000	187.00	.4757-02	.5931-02	.5931-02	.9500	.2162-03	.2695-03	.3886-01	.3629	531.9
503	180.00	.70000	188.00	.3211-02	.4003-02	.4003-02	.9500	.1459-03	.1819-03	.2623-01	.2352	531.9
503	180.00	.75000	189.00	.1017-02	.1270-02	.1270-02	.9500	.4620-04	.5770-04	.8250-02	.7248-01	533.1
503	180.00	.80000	190.00	.2103-01	.2685-01	.2685-01	.9500	.9558-03	.1220-02	.1570	1.518	547.4
504	315.00	.40000	234.00	.2954-01	.3765-01	.3765-01	.9500	.1341-02	.1709-02	.2199	1.634	542.6
504	315.00	.45000	235.00	.2753-01	.3483-01	.3483-01	.9500	.1249-02	.1581-02	.2106	1.569	538.1
504	315.00	.50000	236.00	.2792-01	.3511-01	.3511-01	.9500	.1267-02	.1593-02	.2186	1.359	534.1
504	315.00	.55000	237.00	.2442-01	.3087-01	.3087-01	.9500	.1108-02	.1401-02	.1875	1.197	537.5

IH102 60-OTS FUSELAGE (R4WA45)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
504	315.00	.60000	238.00	.1950-01	.2479-01	.2479-01	.9500	.8850-03	.1125-02	.1466	1.055	541.1
504	315.00	.65000	239.00	.1868-01	.2383-01	.2383-01	.9500	.8475-03	.1082-02	.1383	.9635	543.4
504	315.00	.70000	240.00	.1616-01	.2060-01	.2060-01	.9500	.7335-03	.9350-03	.1203	.8936	542.7
504	315.00	.75000	241.00	.1641-01	.2093-01	.2093-01	.9500	.7446-03	.9497-03	.1218	.8484	543.1
504	315.00	.80000	242.00	.5394-01	.7078-01	.7078-01	.9500	.2448-02	.3212-02	.3634	2.512	558.2

IH102 60-OTS FUSELAGE (R4WA47)

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
457	3.525	4.020	-.2096-02	-5.982	57.97	708.7	167.5	.3718	4.206	2550.	.5993-02	.1347-06
458	3.525	4.020	.8937-07	-5.976	57.97	708.7	167.5	.3718	4.206	2550.	.5993-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
457	.4550-01	.1237-01
458	.4550-01	.1237-01

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
457	.00000	.20000-01	4.0000	.1648	.2124	.2285	.9378	.7496-02	.1040-01	1.183	6.569	550.8
457	.00000	.50000-01	7.0000	.3793-01	.4748-01	.5384-01	.9266	.1726-02	.2449-02	.3038	2.063	532.6
458	20.000	.10000+00	207.00	.3650-01	.4672-01	.4672-01	.9500	.1661-02	.2126-02	.2689	1.574	546.7
458	20.000	.15000	211.00	.1229	.1762	.1762	.9500	.5592-02	.8017-02	.6552	4.073	591.5
458	22.000	.50000-01	202.00	.9152-01	.1189	.1189	.9500	.4164-02	.5408-02	.6412	3.552	554.7
458	24.500	.10000+00	208.00	.2885-01	.3716-01	.3716-01	.9500	.1313-02	.1691-02	.2079	1.319	550.3
458	25.500	.15000	212.00	.1041	.1532	.1532	.9500	.4735-02	.6973-02	.5227	4.534	598.3
458	31.500	.20000	215.00	.6439-01	.8993-01	.8993-01	.9500	.2930-02	.4092-02	.3656	3.629	583.9
458	35.000	.50000-01	203.00	.1130	.1515	.1515	.9500	.5139-02	.6895-02	.7151	4.494	569.5
458	35.000	.20000	216.00	.8000-01	.1138	.1138	.9500	.3640-02	.5179-02	.4340	4.296	589.4
458	39.000	.10000+00	209.00	.3918-01	.5177-01	.5177-01	.9500	.1783-02	.2355-02	.2598	1.638	562.9
458	40.000	.15000	213.00	.4559-01	.6151-01	.6151-01	.9500	.2074-02	.2799-02	.2841	2.081	571.7
458	40.000	.20000	217.00	.7427-01	.1096	.1096	.9500	.3379-02	.4985-02	.3718	4.030	598.7
458	42.500	.50000-01	204.00	.1300	.1780	.1780	.9500	.5914-02	.8098-02	.7770	5.159	577.3
458	51.000	.20000	218.00	.6500-01	.8740-01	.8740-01	.9500	.2958-02	.3977-02	.4089	2.569	570.4
458	60.000	.50000-01	205.00	.1478	.2034	.2034	.9500	.6724-02	.9252-02	.8720	5.785	579.0
458	96.500	.20000	1220.0	.2930-01	.3806-01	.3806-01	.9500	.1333-02	.1732-02	.2054	1.468	554.6
458	114.00	.40000	388.00	.3493-01	.4495-01	.4495-01	.9500	.1589-02	.2045-02	.2528	1.812	549.6
458	114.00	.45000	389.00	.3413-01	.4347-01	.4347-01	.9500	.1553-02	.1978-02	.2561	1.729	543.8

IH102 60-0TS FUSELAGE (R4WA47)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
458	114.00	.50000	390.00	.3226-01	.4060-01	.4060-01	.9500	.1468-02	.1847-02	.2534	1.574	536.1
458	114.00	.55000	391.00	.2696-01	.3404-01	.3404-01	.9500	.1227-02	.1549-02	.2088	1.352	538.4
458	114.00	.60000	392.00	.2529-01	.3213-01	.3213-01	.9500	.1151-02	.1462-02	.1913	1.274	542.4
458	114.00	.65000	393.00	.2288-01	.2928-01	.2928-01	.9500	.1041-02	.1332-02	.1689	1.089	546.4
458	114.00	.70000	394.00	.2289-01	.2944-01	.2944-01	.9500	.1042-02	.1339-02	.1661	1.085	549.2
458	114.00	.75000	395.00	.1973-01	.2539-01	.2539-01	.9500	.8976-03	.1155-02	.1426	.8801	549.8
458	114.00	.80000	396.00	.4096-01	.5341-01	.5341-01	.9500	.1863-02	.2430-02	.2831	1.844	556.7
458	119.00	.10000+00	210.00	.8428-01	.1097	.1097	.9500	.3835-02	.4991-02	.5864	3.510	555.7
458	157.50	.40000	223.00	.2826-01	.3527-01	.3527-01	.9500	.1286-02	.1605-02	.2292	1.513	530.4
458	157.50	.45000	224.00	.3465-01	.4331-01	.4331-01	.9500	.1576-02	.1971-02	.2793	1.842	531.5
458	157.50	.50000	225.00	.3005-01	.3747-01	.3747-01	.9500	.1367-02	.1705-02	.2446	1.615	529.8
458	157.50	.55000	226.00	.2614-01	.3266-01	.3266-01	.9500	.1189-02	.1486-02	.2110	1.352	531.3
457	157.50	.60000	227.00	.2311-01	.2895-01	.2895-01	.9500	.1051-02	.1317-02	.1846	1.216	533.1
458	157.50	.65000	228.00	.1749-01	.2206-01	.2206-01	.9500	.7956-03	.1004-02	.1359	.9345	537.9
458	157.50	.70000	229.00	.1303-01	.1645-01	.1645-01	.9500	.5928-03	.7485-03	.1010	.7524	538.3
458	157.50	.75000	230.00	.1072-01	.1355-01	.1355-01	.9500	.4878-03	.6164-03	.8289-01	.6172	538.8
457	180.00	.10000-01	169.00	.3300	.5095	.5095	.9500	.1501-01	.2318-01	1.510	9.874	608.1
457	180.00	.25000-01	170.00	.1930	.2613	.2613	.9500	.8783-02	.1189-01	1.192	8.442	573.0
457	180.00	.50000-01	171.00	.1124	.1458	.1458	.9500	.5113-02	.6633-02	.7903	5.005	554.1
457	180.00	.75000-01	172.00	.7794-01	.9976-01	.9976-01	.9500	.3546-02	.4539-02	.5746	3.652	546.7
457	180.00	.10000+00	173.00	.5150-01	.6553-01	.6553-01	.9500	.2343-02	.2981-02	.3879	2.543	543.1
457	180.00	.12500	174.00	.3962-01	.5054-01	.5054-01	.9500	.1803-02	.2299-02	.2959	2.059	544.6
457	180.00	.15000	175.00	.1609	.2178	.2178	.9500	.7319-02	.9908-02	.9927	6.811	573.0
457	180.00	.16000	176.00	.3609	.5818	.5818	.9500	.1642-01	.2647-01	1.532	8.237	615.4
457	180.00	.17000	177.00	.4933	.8316	.8316	.9500	.2244-01	.3784-01	1.955	10.48	621.6
457	180.00	.18000	178.00	.3210	.5042	.5042	.9500	.1461-01	.2294-01	1.424	9.300	611.2
457	180.00	.20000	179.00	.1066	.1349	.1349	.9500	.4849-02	.6139-02	.8177	5.070	540.0
457	180.00	.40000	182.00	.2920-01	.3619-01	.3619-01	.9500	.1329-02	.1647-02	.2439	2.110	525.1
457	180.00	.45000	183.00	.2561-01	.3175-01	.3175-01	.9500	.1165-02	.1444-02	.2134	1.846	525.5
457	180.00	.50000	184.00	.2477-01	.3069-01	.3069-01	.9500	.1127-02	.1396-02	.2070	1.863	525.0
457	180.00	.55000	185.00	.2145-01	.2663-01	.2663-01	.9500	.9758-03	.1212-02	.1777	1.536	526.6
457	180.00	.60000	186.00	.1216-01	.1513-01	.1513-01	.9500	.5534-03	.6885-03	.9988-01	.8973	528.2
457	180.00	.65000	187.00	.1356-01	.1697-01	.1697-01	.9500	.6168-03	.7722-03	.1086	1.014	532.6
457	180.00	.70000	188.00	.1617-01	.2029-01	.2029-01	.9500	.7355-03	.9232-03	.1282	1.148	534.4
457	180.00	.75000	189.00	.1452-01	.1828-01	.1828-01	.9500	.6607-03	.8316-03	.1139	.9994	536.2
457	180.00	.80000	190.00	.3522-01	.4533-01	.4533-01	.9500	.1602-02	.2063-02	.2544	2.457	549.9
458	315.00	.40000	234.00	.2842-01	.3570-01	.3570-01	.9500	.1293-02	.1624-02	.2249	1.678	534.8
458	315.00	.45000	235.00	.2581-01	.3230-01	.3230-01	.9500	.1175-02	.1470-02	.2072	1.548	532.3
458	315.00	.50000	236.00	.2650-01	.3298-01	.3298-01	.9500	.1206-02	.1501-02	.2174	1.356	528.4
458	315.00	.55000	237.00	.2284-01	.2852-01	.2852-01	.9500	.1039-02	.1298-02	.1848	1.184	530.8
458	315.00	.60000	238.00	.1565-01	.1960-01	.1960-01	.9500	.7120-03	.8918-03	.1252	.9047	532.9
458	315.00	.65000	239.00	.1076-01	.1354-01	.1354-01	.9500	.4897-03	.6161-03	.8457-01	.5912	536.0
458	315.00	.70000	240.00	.8817-02	.1125-01	.1125-01	.9500	.4057-03	.5117-03	.6938-01	.5169	537.7

IH102 60-OTS FUSELAGE (R4WA47)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
458	315.00	.75000	241.00	.1186-01	.1501-01	.1501-01	.9500	.5398-03	.6831-03	.9115-01	.6360	539.8
458	315.00	.80000	242.00	.7069-01	.9371-01	.9371-01	.9500	.3216-02	.4264-02	.4640	3.197	564.4

IH102 60-OTS FUSELAGE (R4WA49)

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
454	3.528	4.020	.1037-02	-2.968	58.02	708.7	167.5	.3721	4.209	2550.	.5997-02	.1347-06
455	3.525	4.020	-.1049-02	-3.002	57.97	708.7	167.5	.3718	4.206	2550.	.5993-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
454	.4552-01	.1237-01
455	.4550-01	.1237-01

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0 3	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
454	.00000	.20000-01	4.0000	.1584	.2029	.2178	.9378	.7209-02	.9913-02	1.164	6.473	547.2
454	.00000	.50000-01	7.0000	.3551-01	.4434-01	.5017-01	.9266	.1617-02	.2284-02	.2878	1.956	530.6
455	20.000	.10000+00	207.00	.4445-01	.5693-01	.5693-01	.9500	.2023-02	.2590-02	.3270	1.914	547.0
455	20.000	.15000	211.00	.1087	.1513	.1513	.9500	.4947-02	.6882-02	.6236	3.894	582.6
455	22.000	.50000-01	202.00	.8021-01	.1033	.1033	.9500	.3650-02	.4700-02	.5787	3.213	550.1
455	24.500	.10000+00	208.00	.2556-01	.3268-01	.3268-01	.9500	.1163-02	.1487-02	.1891	1.202	546.0
455	25.500	.15000	212.00	.8634-01	.1259	.1259	.9500	.3928-02	.5728-02	.4430	3.847	595.9
455	31.500	.20000	215.00	.4822-01	.6512-01	.6512-01	.9500	.2194-02	.2963-02	.2996	2.991	572.1
455	35.000	.50000-01	203.00	.9772-01	.1291	.1291	.9500	.4446-02	.5874-02	.6481	4.086	562.9
455	35.000	.20000	216.00	.5402-01	.7396-01	.7396-01	.9500	.2458-02	.3365-02	.3230	3.217	577.2
455	39.000	.10000+00	209.00	.3178-01	.4135-01	.4135-01	.9500	.1446-02	.1882-02	.2214	1.401	555.5
455	40.000	.15000	213.00	.4591-01	.6148-01	.6148-01	.9500	.2089-02	.2797-02	.2922	2.143	568.8
455	40.000	.20000	217.00	.5241-01	.7339-01	.7339-01	.9500	.2385-02	.3339-02	.2956	3.226	584.7
455	42.500	.50000-01	204.00	.1169	.1570	.1570	.9500	.5319-02	.7145-02	.7372	4.912	570.1
455	51.000	.20000	218.00	.3100-01	.4045-01	.4045-01	.9500	.1410-02	.1840-02	.2139	1.353	557.0
455	60.000	.50000-01	205.00	.1389	.1889	.1889	.9500	.6321-02	.8595-02	.8466	5.628	574.7
455	96.500	.20000	1220.0	.3252-01	.4215-01	.4215-01	.9500	.1480-02	.1918-02	.2297	1.643	553.5
455	114.00	.40000	388.00	.3387-01	.4346-01	.4346-01	.9500	.1541-02	.1977-02	.2473	1.774	548.2
455	114.00	.45000	389.00	.3322-01	.4216-01	.4216-01	.9500	.1511-02	.1918-02	.2524	1.706	541.6

IH102 60-OTS FUSELAGE (R4WA49)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
455	114.00	.50000	390.00	.3195-01	.4024-01	.4024-01	.9500	.1454-02	.1831-02	.2501	1.554	536.6
455	114.00	.55000	391.00	.2846-01	.3598-01	.3598-01	.9500	.1295-02	.1637-02	.2196	1.422	539.1
455	114.00	.60000	392.00	.2236-01	.2834-01	.2834-01	.9500	.1017-02	.1289-02	.1709	1.139	540.7
455	114.00	.65000	393.00	.1819-01	.2319-01	.2319-01	.9500	.8278-03	.1055-02	.1362	.8795	544.1
455	114.00	.70000	394.00	.1662-01	.2125-01	.2125-01	.9500	.7561-03	.9670-03	.1228	.8038	546.2
455	114.00	.75000	395.00	.1495-01	.1912-01	.1912-01	.9500	.6801-03	.8702-03	.1103	.6820	546.4
455	114.00	.80000	396.00	.5506-01	.7214-01	.7214-01	.9500	.2505-02	.3282-02	.3749	2.438	559.0
455	119.00	.10000+00	210.00	.7699-01	.9956-01	.9956-01	.9500	.3503-02	.4530-02	.5475	3.282	552.4
455	157.50	.40000	223.00	.3047-01	.3818-01	.3818-01	.9500	.1386-02	.1737-02	.2433	1.603	533.2
455	157.50	.45000	224.00	.3365-01	.4209-01	.4209-01	.9500	.1531-02	.1915-02	.2705	1.783	532.0
455	157.50	.50000	225.00	.3335-01	.4175-01	.4175-01	.9500	.1517-02	.1899-02	.2672	1.761	532.6
455	157.50	.55000	226.00	.3116-01	.3913-01	.3913-01	.9500	.1418-02	.1780-02	.2467	1.578	534.7
454	157.50	.60000	227.00	.2407-01	.3014-01	.3014-01	.9500	.1096-02	.1372-02	.1928	1.270	532.7
455	157.50	.65000	228.00	.2015-01	.2554-01	.2554-01	.9500	.9166-03	.1162-02	.1537	1.055	541.0
455	157.50	.70000	229.00	.2078-01	.2649-01	.2649-01	.9500	.9456-03	.1205-02	.1555	1.154	544.3
455	157.50	.75000	230.00	.2258-01	.2885-01	.2885-01	.9500	.1027-02	.1312-02	.1676	1.243	545.6
455	157.50	.80000	231.00	.5627-01	.7375-01	.7375-01	.9500	.2560-02	.3355-02	.3829	2.645	559.1
454	180.00	.10000-01	169.00	.3409	.5208	.5208	.9500	.1552-01	.2370-01	1.592	10.42	606.1
454	180.00	.25000-01	170.00	.1937	.2605	.2605	.9500	.8815-02	.1186-01	1.218	8.636	570.5
454	180.00	.50000-01	171.00	.1140	.1472	.1472	.9500	.5197-02	.6702-02	.8134	5.157	551.9
454	180.00	.75000-01	172.00	.7920-01	.1012	.1012	.9500	.3605-02	.4606-02	.5879	3.739	545.6
454	180.00	.10000+00	173.00	.5023-01	.6371-01	.6371-01	.9500	.2286-02	.2900-02	.3830	2.513	541.2
454	180.00	.12500	174.00	.3913-01	.4985-01	.4985-01	.9500	.1781-02	.2269-02	.2935	2.043	543.9
454	180.00	.15000	175.00	.1268	.1684	.1684	.9500	5773-02	.7665-02	.8285	5.707	565.1
454	180.00	.16000	176.00	.3391	.5312	.5312	.9500	.1543-01	.2418-01	1.512	8.146	610.7
454	180.00	.17000	177.00	.5148	.8677	.8677	.9500	.2343-01	.3950-01	2.042	10.94	621.5
454	180.00	.18000	178.00	.3496	.5541	.5541	.9500	.1591-01	.2522-01	1.528	9.972	612.6
454	180.00	.20000	179.00	.1094	.1389	.1389	.9500	.4980-02	.6322-02	.8311	5.149	541.8
454	180.00	.40000	182.00	.1578-01	.1950-01	.1950-01	.9500	.7182-03	.8876-03	.1334	1.155	522.9
454	180.00	.45000	183.00	.2475-01	.3070-01	.3070-01	.9500	.1127-02	.1397-02	.2062	1.783	525.7
454	180.00	.50000	184.00	.2521-01	.3128-01	.3128-01	.9500	.1148-02	.1424-02	.2097	1.886	526.0
454	180.00	.55000	185.00	.2921-01	.3635-01	.3635-01	.9500	.1330-02	.1654-02	.2401	2.074	528.1
454	180.00	.60000	186.00	.2288-01	.2864-01	.2864-01	.9500	.1041-02	.1304-02	.1835	1.645	532.4
454	180.00	.65000	187.00	.1891-01	.2380-01	.2380-01	.9500	.8606-03	.1083-02	.1483	1.382	536.4
454	180.00	.70000	188.00	.1583-01	.1993-01	.1993-01	.9500	.7204-03	.9071-03	.1240	1.110	536.5
454	180.00	.75000	189.00	.1208-01	.1525-01	.1525-01	.9500	.5498-03	.6939-03	.9381-01	.8220	538.1
454	180.00	.80000	190.00	.3998-01	.5164-01	.5164-01	.9500	.1820-02	.2351-02	.2856	2.756	551.7
455	315.00	.40000	234.00	.2046-01	.2556-01	.2556-01	.9500	.9309-03	.1163-02	.1653	1.236	531.1
455	315.00	.45000	235.00	.3080-01	.3873-01	.3873-01	.9500	.1401-02	.1762-02	.2423	1.807	535.7
455	315.00	.50000	236.00	.2923-01	.3648-01	.3648-01	.9500	.1330-02	.1660-02	.2374	1.479	530.2
455	315.00	.55000	237.00	.2771-01	.3478-01	.3478-01	.9500	.1261-02	.1582-02	.2197	1.405	534.4
455	315.00	.60000	238.00	.2398-01	.3031-01	.3031-01	.9500	.1091-02	.1379-02	.1850	1.333	539.1
455	315.00	.65000	239.00	.2265-01	.2882-01	.2882-01	.9500	.1031-02	.1311-02	.1708	1.190	543.0

IH102 60-0TS FUSELAGE

(R4WA49)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
455	315.00	.70000	240.00	.1872-01	.2381-01	.2381-01	.9500	.8519-03	.1083-02	.1414	1.050	542.7
455	315.00	.75000	241.00	.1948-01	.2475-01	.2475-01	.9500	.8862-03	.1126-02	.1474	1.027	542.4
455	315.00	.80000	242.00	.5879-01	.7696-01	.7696-01	.9500	.2675-02	.3502-02	.4014	2.774	558.6

IH102 60-OTS FUSELAGE (R4WA50)

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
515	1.034	4.000	.8000-02	.2793-05	17.04	709.7	167.7	.1093	1.236	2552.	.1759-02	.1349-06
516	1.032	4.000	.1000-01	.3491-05	16.97	708.7	167.5	.1088	1.231	2550.	.1754-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
515	.2467-01	.2284-01
516	.2462-01	.2287-01

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
515	.00000	.20000-01	4.0000	.1801	.2270	.2424	.9379	.4444-02	.5981-02	.7631	4.263	538.0
515	.00000	.50000-01	7.0000	.5577-01	.6968-01	.7888-01	.9266	.1376-02	.1946-02	.2447	1.662	531.8
516	20.000	.10000+00	207.00	.4609-01	.5789-01	.5789-01	.9500	.1134-02	.1425-02	.1972	1.161	534.9
516	20.000	.15000	211.00	.1936-01	.2427-01	.2427-01	.9500	.4766-03	.5974-03	.8353-01	.5346	533.4
516	22.000	.50000-01	202.00	.9375-01	.1184	.1184	.9500	.2308-02	.2915-02	.3926	2.193	538.5
516	24.500	.10000+00	208.00	.3743-01	.4715-01	.4715-01	.9500	.9213-03	.1161-02	.1583	1.011	536.9
516	25.500	.15000	212.00	.1407-01	.1767-01	.1767-01	.9500	.3464-03	.4350-03	.6022-01	.5391	534.8
516	31.500	.20000	215.00	.2976-01	.3721-01	.3721-01	.9500	.7325-03	.9160-03	.1296	1.320	531.8
516	35.000	.50000-01	203.00	.9794-01	.1245	.1245	.9500	.2411-02	.3064-02	.4007	2.553	542.5
516	35.000	.20000	216.00	.3177-01	.3978-01	.3978-01	.9500	.7820-03	.9791-03	.1376	1.401	532.7
516	39.000	.10000+00	209.00	.4234-01	.5345-01	.5345-01	.9500	.1042-02	.1316-02	.1777	1.134	538.2
516	40.000	.15000	213.00	.2522-01	.3192-01	.3192-01	.9500	.6209-03	.7858-03	.1049	.7805	539.8
516	40.000	.20000	217.00	.2599-01	.3258-01	.3258-01	.9500	.6397-03	.8021-03	.1120	1.254	533.6
516	42.500	.50000-01	204.00	.1077	.1370	.1370	.9500	.2652-02	.3374-02	.4391	2.966	543.1
516	45.500	.15000	214.00	.8603-02	.1080-01	.1080-01	.9500	.2118-03	.2659-03	.3688-01	.2173	534.5
516	51.000	.20000	218.00	.2461-01	.3076-01	.3076-01	.9500	.6059-03	.7572-03	.1074	.6881	531.4
516	60.000	.50000-01	205.00	.1274	.1625	.1625	.9500	.3136-02	.3999-02	.5149	3.475	544.5
516	96.500	.20000	1220.0	.1835-01	.2290-01	.2290-01	.9500	.4518-03	.5637-03	.8059-01	.5832	530.3
516	114.00	.45000	389.00	.1441-01	.1783-01	.1783-01	.9500	.3546-03	.4388-03	.6550-01	.4467	524.0

IH102 60-OTS FUSELAGE (R4WA50)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
516	114.00	.50000	390.00	.2815-01	.3482-01	.3482-01	.9500	.6931-03	.8572-03	.1282	.8018	523.6
516	114.00	.55000	391.00	.2462-01	.3058-01	.3058-01	.9500	.6059-03	.7529-03	.1100	.7166	527.1
516	114.00	.60000	392.00	.1799-01	.2239-01	.2239-01	.9500	.4428-03	.5512-03	.7974-01	.5345	528.6
516	114.00	.65000	393.00	.1233-01	.1541-01	.1541-01	.9500	.3036-03	.3793-03	.5387-01	.3501	531.2
516	114.00	.70000	394.00	.8045-02	.1007-01	.1007-01	.9500	.1980-03	.2480-03	.3485-01	.2297	532.7
516	114.00	.75000	395.00	.4619-02	.5792-02	.5792-02	.9500	.1137-03	.1426-03	.1988-01	.1237	533.8
516	114.00	.80000	396.00	.3668-01	.4641-01	.4641-01	.9500	.9030-03	.1142-02	.1527	1.003	539.6
516	119.00	.10000+00	210.00	.7407-01	.9303-01	.9303-01	.9500	.1823-02	.2290-02	.3170	1.918	534.8
516	157.50	.75000	230.00	.5692-02	.7148-02	.7148-02	.9500	.1401-03	.1760-03	.2437-01	.1818	534.8
516	157.50	.80000	231.00	.3959-01	.5057-01	.5057-01	.9500	.9746-03	.1245-02	.1591	1.107	545.5
515	180.00	.10000-01	169.00	.4036	.5326	.5326	.9500	.9958-02	.1314-01	1.458	9.751	563.2
515	180.00	.25000-01	170.00	.2003	.2547	.2547	.9500	.4941-02	.6285-02	.8201	5.895	543.7
515	180.00	.50000-01	171.00	.1220	.1533	.1533	.9500	.3011-02	.3783-02	.5234	3.345	535.8
515	180.00	.75000-01	172.00	.8721-01	.1098	.1098	.9500	.2152-02	.2708-02	.3717	2.375	536.9
515	180.00	.10000+00	173.00	.5487-01	.6830-01	.6830-01	.9500	.1354-02	.1685-02	.2443	1.612	529.2
515	180.00	.12500	174.00	.4578-01	.5715-01	.5715-01	.9500	.1130-02	.1410-02	.2015	1.412	531.3
515	180.00	.15000	175.00	.6645-01	.8395-01	.8395-01	.9500	.1640-02	.2071-02	.2791	1.948	539.4
515	180.00	.16000	176.00	.2783	.3613	.3613	.9500	.6867-02	.8914-02	1.061	5.877	555.1
515	180.00	.17000	177.00	.3087	.4074	.4074	.9500	.7617-02	.1005-01	1.115	6.153	563.2
515	180.00	.18000	178.00	.1737	.2270	.2270	.9500	.4286-02	.5601-02	.6476	4.340	558.6
515	180.00	.20000	179.00	.7690-01	.9537-01	.9537-01	.9500	.1897-02	.2353-02	.3476	2.171	526.5
515	180.00	.80000	190.00	.2955-01	.3769-01	.3769-01	.9500	.7291-03	.9299-03	.1198	1.160	545.4
516	315.00	.65000	239.00	.5068-02	.6340-02	.6340-02	.9500	.1247-03	.1561-03	.2203-01	.1543	532.1
516	315.00	.70000	240.00	.7982-02	.1000-01	.1000-01	.9500	.1965-03	.2463-03	.3445-01	.2572	533.4
516	315.00	.75000	241.00	.1088-01	.1366-01	.1366-01	.9500	.2678-03	.3362-03	.4658-01	.3258	534.7
516	315.00	.80000	242.00	.3081-01	.3929-01	.3929-01	.9500	.7585-03	.9671-03	.1246	.8674	544.4

IH102 60-0TS FUSELAGE (R4WA50)

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
445	3.518	4.020	.2000-02	.6981-06	57.99	709.7	167.7	.3719	4.207	2552.	.5986-02	.1349-06
446	3.515	4.020	.6000-02	.2094-05	57.93	709.7	167.7	.3715	4.202	2552.	.5979-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
445	.4552-01	.1238-01
446	.4549-01	.1239-01

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
445	.00000	.20000-01	4.0000	.1543	.1999	.2153	.9378	.7025-02	.9799-02	1.095	6.067	553.8
445	.00000	.50000-01	7.0000	.3888-01	.4889-01	.5558-01	.9266	.1770-02	.2530-02	.3069	2.080	536.3
446	20.000	.10000+00	207.00	.5362-01	.6969-01	.6969-01	.9500	.2439-02	.3170-02	.3754	2.188	555.8
446	20.000	.15000	211.00	.1165	.1568	.1568	.9500	.5299-02	.7134-02	.7311	4.589	571.7
446	22.000	.50000-01	202.00	.7388-01	.9481-01	.9481-01	.9500	.3361-02	.4313-02	.5404	3.002	548.9
446	24.500	.10000+00	208.00	.3284-01	.4232-01	.4232-01	.9500	.1494-02	.1925-02	.2366	1.500	551.3
446	25.500	.15000	212.00	.8130-01	.1138	.1138	.9500	.3698-02	.5177-02	.4594	4.010	585.5
446	31.500	.20000	215.00	.5023-01	.6618-01	.6618-01	.9500	.2285-02	.3011-02	.3366	3.377	562.4
446	35.000	.50000-01	203.00	.8968-01	.1174	.1174	.9500	.4080-02	.5341-02	.6132	3.873	559.4
446	35.000	.20000	216.00	.5267-01	.6997-01	.6997-01	.9500	.2396-02	.3183-02	.3438	3.443	566.2
446	39.000	.10000+00	209.00	.3106-01	.3989-01	.3989-01	.9500	.1413-02	.1814-02	.2267	1.439	549.2
446	40.000	.15000	213.00	.5352-01	.7171-01	.7171-01	.9500	.2435-02	.3262-02	.3406	2.497	569.8
446	40.000	.20000	217.00	.4817-01	.6494-01	.6494-01	.9500	.2191-02	.2954-02	.3010	3.306	572.3
446	42.500	.50000-01	204.00	.1070	.1413	.1413	.9500	.4869-02	.6428-02	.7125	4.763	563.3
446	45.500	.15000	214.00	.1485-01	.1910-01	.1910-01	.9500	.6756-03	.8691-03	.1077	.6293	550.3
446	51.000	.20000	218.00	.3459-01	.4478-01	.4478-01	.9500	.1573-02	.2037-02	.2453	1.554	553.8
446	60.000	.50000-01	205.00	.1231	.1643	.1643	.9500	.5601-02	.7473-02	.7930	5.289	568.1
446	96.500	.20000	1220.0	.5040-01	.6466-01	.6466-01	.9500	.2293-02	.2942-02	.3688	2.644	548.8
446	114.00	.40000	388.00	.2676-01	.3382-01	.3382-01	.9500	.1217-02	.1539-02	.2069	1.490	539.7

IH102 60-OTS FUSELAGE (R4WA50)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
446	114.00	.45000	389.00	.3741-01	.4740-01	.4740-01	.9500	.1702-02	.2156-02	.2867	1.938	541.2
446	114.00	.50000	390.00	.3435-01	.4309-01	.4309-01	.9500	.1563-02	.1960-02	.2734	1.700	534.7
446	114.00	.55000	391.00	.2991-01	.3760-01	.3760-01	.9500	.1361-02	.1711-02	.2360	1.530	536.2
446	114.00	.60000	392.00	.3080-01	.3875-01	.3875-01	.9500	.1401-02	.1763-02	.2424	1.618	536.7
446	114.00	.65000	393.00	.2786-01	.3505-01	.3505-01	.9500	.1267-02	.1595-02	.2191	1.420	536.8
446	114.00	.70000	394.00	.2718-01	.3398-01	.3398-01	.9500	.1237-02	.1546-02	.2192	1.445	532.4
446	114.00	.75000	395.00	.2356-01	.2951-01	.2951-01	.9500	.1072-02	.1343-02	.1884	1.172	533.8
446	114.00	.80000	396.00	.5420-01	.6963-01	.6963-01	.9500	.2466-02	.3168-02	.3950	2.581	549.5
446	119.00	.10000+00	210.00	.7372-01	.9468-01	.9468-01	.9500	.3354-02	.4307-02	.5377	3.229	549.3
446	157.50	.40000	223.00	.1856-01	.2310-01	.2310-01	.9500	.8443-03	.1051-02	.1523	1.005	529.3
446	157.50	.45000	224.00	.2183-01	.2712-01	.2712-01	.9500	.9929-03	.1234-02	.1803	1.191	528.1
446	157.50	.50000	225.00	.2392-01	.2975-01	.2975-01	.9500	.1088-02	.1353-02	.1971	1.302	528.5
446	157.50	.55000	226.00	.2949-01	.3692-01	.3692-01	.9500	.1341-02	.1680-02	.2364	1.513	533.5
445	157.50	.60000	227.00	.3176-01	.4015-01	.4015-01	.9500	.1446-02	.1827-02	.2455	1.612	539.8
446	157.50	.65000	228.00	.3062-01	.3882-01	.3882-01	.9500	.1393-02	.1766-02	.2341	1.607	541.6
446	157.50	.70000	229.00	.2649-01	.3342-01	.3342-01	.9500	.1205-02	.1520-02	.2064	1.537	538.4
446	157.50	.75000	230.00	.2546-01	.3213-01	.3213-01	.9500	.1158-02	.1462-02	.1981	1.475	538.7
446	157.50	.80000	231.00	.7429-01	.9748-01	.9748-01	.9500	.3380-02	.4435-02	.5041	3.480	560.5
445	180.00	.10000-01	169.00	.3536	.5337	.5337	.9500	.1609-01	.2429-01	1.692	11.08	604.5
445	180.00	.25000-01	170.00	.1998	.2683	.2683	.9500	.9094-02	.1221-01	1.263	8.959	570.7
445	180.00	.50000-01	171.00	.1203	.1554	.1554	.9500	.5476-02	.7074-02	.8605	5.454	552.5
445	180.00	.75000-01	172.00	.8492-01	.1084	.1084	.9500	.3865-02	.4932-02	.6342	4.033	545.6
445	180.00	.10000+00	173.00	.5462-01	.6912-01	.6912-01	.9500	.2486-02	.3146-02	.4205	2.760	540.5
445	180.00	.12500	174.00	.4449-01	.5642-01	.5642-01	.9500	.2025-02	.2568-02	.3401	2.370	541.8
445	180.00	.15000	175.00	.1289	.1684	.1684	.9500	.5867-02	.7665-02	.8876	6.135	558.4
445	180.00	.16000	176.00	.3490	.5293	.5293	.9500	.1588-01	.2409-01	1.654	8.937	605.5
445	180.00	.17000	177.00	.5255	.8727	.8727	.9500	.2392-01	.3972-01	2.133	11.44	620.5
445	180.00	.18000	178.00	.3609	.5723	.5723	.9500	.1643-01	.2605-01	1.578	10.29	613.6
445	180.00	.20000	179.00	.1076	.1374	.1374	.9500	.4899-02	.6255-02	.8016	4.956	546.0
445	180.00	.40000	182.00	.1187-01	.1469-01	.1469-01	.9500	.5403-03	.6689-03	.9972-01	.8627	525.1
445	180.00	.45000	183.00	.2466-01	.3069-01	.3069-01	.9500	.1123-02	.1397-02	.2028	1.751	529.0
445	180.00	.50000	184.00	.2256-01	.2810-01	.2810-01	.9500	.1027-02	.1279-02	.1848	1.659	529.7
445	180.00	.55000	185.00	.2353-01	.2943-01	.2943-01	.9500	.1071-02	.1339-02	.1897	1.635	532.6
445	180.00	.60000	186.00	.1776-01	.2228-01	.2228-01	.9500	.8083-03	.1014-02	.1412	1.264	535.0
445	180.00	.65000	187.00	.2228-01	.2815-01	.2815-01	.9500	.1014-02	.1281-02	.1724	1.604	539.7
445	180.00	.70000	188.00	.2705-01	.3418-01	.3418-01	.9500	.1231-02	.1556-02	.2092	1.868	539.7
445	180.00	.75000	189.00	.2634-01	.3332-01	.3332-01	.9500	.1199-02	.1517-02	.2030	1.777	540.3
445	180.00	.80000	190.00	.5859-01	.7633-01	.7633-01	.9500	.2667-02	.3474-02	.4071	3.917	557.0
446	315.00	.40000	234.00	.1450-01	.1801-01	.1801-01	.9500	.6595-03	.8193-03	.1200	.8989	527.7
446	315.00	.45000	235.00	.2883-01	.3605-01	.3605-01	.9500	.1311-02	.1640-02	.2322	1.735	532.6
446	315.00	.50000	236.00	.3530-01	.4406-01	.4406-01	.9500	.1606-02	.2004-02	.2867	1.786	531.1
446	315.00	.55000	237.00	.3544-01	.4440-01	.4440-01	.9500	.1612-02	.2020-02	.2836	1.814	533.8
446	315.00	.60000	238.00	.3222-01	.4064-01	.4064-01	.9500	.1466-02	.1849-02	.2509	1.808	538.5

IH102 60-OTS FUSELAGE (R4WA50)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
446	315.00	.65000	239.00	.3116-01	.3944-01	.3944-01	.9500	.1417-02	.1794-02	.2395	1.670	540.7
446	315.00	.70000	240.00	.2905-01	.3652-01	.3652-01	.9500	.1322-02	.1661-02	.2294	1.710	536.1
446	315.00	.75000	241.00	.3058-01	.3848-01	.3848-01	.9500	.1391-02	.1750-02	.2406	1.681	536.7
446	315.00	.80000	242.00	.6965-01	.9017-01	.9017-01	.9500	.3169-02	.4102-02	.4942	3.424	553.7

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
448	3.517	4.020	4.970	.3465-02	57.97	709.7	167.7	.3718	4.206	2552.	.5984-02	.1349-06
449	3.512	4.020	4.956	.3456-02	57.88	709.7	167.7	.3712	4.199	2552.	.5975-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
448	.4551-01	.1238-01
449	.4548-01	.1239-01

TEST DATA

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
448	.00000	.20000-01	4.0000	.1400	.1818	.1877	.9447	.6374-02	.8542-02	.9857	5.459	555.0
448	.00000	.50000-01	7.0000	.3087-01	.3894-01	.4326-01	.9309	.1405-02	.1969-02	.2404	1.627	538.6
449	20.000	.10000+00	207.00	.1365	.1856	.1856	.9500	.6209-02	.8439-02	.8341	4.814	575.3
449	20.000	.15000	211.00	.6396-01	.8372-01	.8372-01	.9500	.2909-02	.3807-02	.4374	2.763	559.3
449	22.000	.50000-01	202.00	.5874-01	.7530-01	.7530-01	.9500	.2671-02	.3424-02	.4310	2.396	548.3
449	24.500	.10000+00	208.00	.1143	.1590	.1590	.9500	.5198-02	.7230-02	.6563	4.096	583.4
449	25.500	.15000	212.00	.4062-01	.5321-01	.5321-01	.9500	.1847-02	.2420-02	.2771	2.450	559.7
449	31.500	.20000	215.00	.4304-01	.5666-01	.5666-01	.9500	.1957-02	.2577-02	.2889	2.899	562.1
449	35.000	.50000-01	203.00	.7729-01	.1012	.1012	.9500	.3515-02	.4602-02	.5278	3.334	559.5
449	35.000	.20000	216.00	.4354-01	.5768-01	.5768-01	.9500	.1980-02	.2623-02	.2867	2.873	564.9
449	39.000	.10000+00	209.00	.4834-01	.6282-01	.6282-01	.9500	.2198-02	.2857-02	.3383	2.141	555.8
449	40.000	.15000	213.00	.5479-01	.7344-01	.7344-01	.9500	.2491-02	.3340-02	.3481	2.551	570.0
449	40.000	.20000	217.00	.3729-01	.4963-01	.4963-01	.9500	.1696-02	.2257-02	.2420	2.665	567.0
449	42.500	.50000-01	204.00	.9606-01	.1266	.1266	.9500	.4368-02	.5756-02	.6428	4.299	562.5
449	45.500	.15000	214.00	.6536-01	.8720-01	.8720-01	.9500	.2972-02	.3965-02	.4210	2.439	568.0
449	51.000	.20000	218.00	.5214-01	.6778-01	.6778-01	.9500	.2371-02	.3082-02	.3647	2.307	555.9
449	60.000	.50000-01	205.00	.1073	.1423	.1423	.9500	.4881-02	.6469-02	.7058	4.715	565.1
449	57.500	.20000	219.00	.2402-01	.3087-01	.3087-01	.9500	.1092-02	.1404-02	.1748	1.294	549.7
449	68.500	.20000	220.0	.1853-01	.2348-01	.2348-01	.9500	.8428-03	.1068-02	.1420	1.022	541.1

IH102 60-OTS FUSELAGE (R4WA51)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
449	114.00	.40000	388.00	.2896-01	.3659-01	.3659-01	.9500	.1317-02	.1664-02	.2242	1.615	539.5
449	114.00	.45000	389.00	.2587-01	.3235-01	.3235-01	.9500	.1177-02	.1471-02	.2085	1.416	532.4
449	114.00	.50000	390.00	.2116-01	.2627-01	.2627-01	.9500	.9622-03	.1195-02	.1755	1.096	527.3
449	114.00	.55000	391.00	.1717-01	.2138-01	.2138-01	.9500	.7806-03	.9725-03	.1404	.9131	529.8
449	114.00	.60000	392.00	.1564-01	.1951-01	.1951-01	.9500	.7111-03	.8874-03	.1270	.8501	531.1
449	114.00	.65000	393.00	.1502-01	.1876-01	.1876-01	.9500	.6832-03	.8530-03	.1218	.7913	531.4
449	114.00	.70000	394.00	.1517-01	.1887-01	.1887-01	.9500	.6898-03	.8581-03	.1248	.8239	528.8
449	114.00	.75000	395.00	.1298-01	.1610-01	.1610-01	.9500	.5901-03	.7321-03	.1079	.6735	526.8
449	114.00	.80000	396.00	.5519-01	.7093-01	.7093-01	.9500	.2510-02	.3225-02	.4013	2.622	549.8
449	119.00	.10000+00	210.00	.5595-01	.7137-01	.7137-01	.9500	.2544-02	.3246-02	.4178	2.514	545.4
449	157.50	.40000	223.00	.4045-02	.4978-02	.4978-02	.9500	.1839-03	.2264-03	.3482-01	.2309	520.4
449	157.50	.45000	224.00	.1115-01	.1376-01	.1376-01	.9500	.5070-03	.6258-03	.9480-01	.6280	522.7
449	157.50	.50000	225.00	.1933-01	.2395-01	.2395-01	.9500	.8791-03	.1089-02	.1618	1.070	525.6
449	157.50	.55000	226.00	.2523-01	.3146-01	.3146-01	.9500	.1147-02	.1431-02	.2057	1.318	530.4
448	157.50	.60000	227.00	.2651-01	.3315-01	.3315-01	.9500	.1207-02	.1509-02	.2137	1.409	532.5
449	157.50	.65000	228.00	.2415-01	.3034-01	.3034-01	.9500	.1098-02	.1380-02	.1910	1.315	535.7
449	157.50	.70000	229.00	.2257-01	.2835-01	.2835-01	.9500	.1027-02	.1289-02	.1788	1.333	535.5
449	157.50	.75000	230.00	.2097-01	.2636-01	.2636-01	.9500	.9535-03	.1199-02	.1653	1.233	536.3
449	157.50	.80000	231.00	.3529-01	.4507-01	.4507-01	.9500	.1605-02	.2050-02	.2623	1.824	546.2
448	180.00	.10000-01	169.00	.3059	.4555	.4555	.9500	.1392-01	.2073-01	1.505	9.871	601.6
448	180.00	.25000-01	170.00	.1648	.2198	.2198	.9500	.7500-02	.1000-01	1.063	7.551	567.9
448	180.00	.50000-01	171.00	.9352-01	.1200	.1200	.9500	.4256-02	.5460-02	.6848	4.349	548.8
448	180.00	.75000-01	172.00	.6368-01	.8078-01	.8078-01	.9500	.2898-02	.3676-02	.4859	3.096	542.0
448	180.00	.10000+00	173.00	.4049-01	.5097-01	.5097-01	.9500	.1843-02	.2320-02	.3181	2.092	537.0
448	180.00	.12500	174.00	.3284-01	.4142-01	.4142-01	.9500	.1495-02	.1885-02	.2560	1.787	538.4
448	180.00	.15000	175.00	.8590-01	.1108	.1108	.9500	.3909-02	.5042-02	.6173	4.281	551.8
448	180.00	.16000	176.00	.2281	.3219	.3219	.9500	.1038-01	.1465-01	1.264	6.886	587.9
448	180.00	.17000	177.00	.3332	.4893	.4893	.9600	.1516-01	.2227-01	1.686	9.137	598.5
448	180.00	.18000	178.00	.2355	.3396	.3396	.9500	.1072-01	.1546-01	1.241	8.169	593.9
448	180.00	.20000	179.00	.7823-01	.9880-01	.9880-01	.9500	.3560-02	.4496-02	.6068	3.764	539.2
448	180.00	.40000	182.00	.2973-02	.3658-02	.3658-02	.9500	.1353-03	.1665-03	.2566-01	.2225	520.1
448	180.00	.45000	183.00	.8537-02	.1054-01	.1054-01	.9500	.3885-03	.4796-03	.7259-01	.6287	522.8
448	180.00	.50000	184.00	.1218-01	.1507-01	.1507-01	.9500	.5543-03	.6859-03	.1025	.9228	524.7
448	180.00	.55000	185.00	.1614-01	.2006-01	.2006-01	.9500	.7346-03	.9128-03	.1335	1.153	527.9
448	180.00	.60000	186.00	.1949-01	.2436-01	.2436-01	.9500	.8869-03	.1109-02	.1574	1.411	532.2
448	180.00	.65000	187.00	.2012-01	.2529-01	.2529-01	.9500	.9158-03	.1151-02	.1592	1.484	535.9
448	180.00	.70000	188.00	.1860-01	.2334-01	.2334-01	.9500	.8466-03	.1062-02	.1481	1.326	534.7
448	180.00	.75000	189.00	.1562-01	.1961-01	.1961-01	.9500	.7111-03	.8927-03	.1241	1.089	535.2
448	180.00	.80000	190.00	.1832-01	.2326-01	.2326-01	.9500	.8336-03	.1059-02	.1391	1.348	542.8
449	315.00	.40000	234.00	.6427-02	.7901-02	.7901-02	.9500	.2923-03	.3593-03	.5560-01	.4181	519.5
449	315.00	.45000	235.00	.1632-01	.2016-01	.2016-01	.9500	.7421-03	.9166-03	.1383	1.038	523.3
449	315.00	.50000	236.00	.2238-01	.2761-01	.2761-01	.9500	.1018-02	.1256-02	.1906	1.192	522.4
449	315.00	.55000	237.00	.2089-01	.2585-01	.2585-01	.9500	.9500-03	.1173-02	.1788	1.130	524.6

IH102 60-OTS FUSELAGE (R4WA51)

RUN NUMBER	PHI	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
449	315.00	.60000	238.00	.1539-01	.1910-01	.1910-01	.9500	.6999-03	.8688-03	.1277	.9259	527.2
449	315.00	.65000	239.00	.1473-01	.1834-01	.1834-01	.9500	.6701-03	.8342-03	.1209	.8478	529.3
449	315.00	.70000	240.00	.1352-01	.1678-01	.1678-01	.9500	.6149-03	.7629-03	.1125	.8425	526.8
449	315.00	.75000	241.00	.1232-01	.1531-01	.1531-01	.9500	.5604-03	.6963-03	.1019	.7152	527.8
449	315.00	.80000	242.00	.4296-01	.5488-01	.5488-01	.9500	.1954-02	.2496-02	.3193	2.220	546.2

IH102 60-0 FUSELAGE (R4WC21)

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
548	3.516	3.010	-40.08	-.2464-02	33.95	709.7	252.4	.9105	5.775	2344.	.9738-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) *.0175
548	.5329-01	.9702-02

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
548	.76000-01	350.00	206.00	.9140-01	.1157	.1157	.9500	.4871-02	.6167-02	.8223	5.242	540.8
548	.97500	381.20	1288.0	.7216-01	.9680-01	.9680-01	.9500	.3845-02	.5159-02	.5359	3.928	570.3

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
530	3.504	3.010	-14.45	.0000	33.84	709.7	252.4	.9075	5.756	2344.	.9706-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
530	.5320-01	.9718-02

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
530	.76000-01	350.00	206.00	.1024	.1337	.1337	9500	.5448-02	.7115-02	.8250	5.214	558.2
530	.97500	381.20	1288.0	.2108-01	.2765-01	.2765-01	.9500	.1121-02	.1471-02	.1674	1.233	560.4

IH102 60-0 FUSELAGE (R4WC23)

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
527	3.499	3.010	.5111-02	-14.34	33.79	709.7	252.4	.9062	5.747	2344.	.9692-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
527	.5316-01	.9725-02

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
527	.76000-01	350.00	206.00	.1563	.2143	.2143	.9500	.8309-02	.1139-01	1.090	6.816	578.6
527	.97500	381.20	1288.0	.4073-01	.5455-01	.5455-01	.9500	.2165-02	.2900-02	.3033	2.224	569.6

IH102 60-0 FUSELAGE (R4WC24)

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
533	1.065	3.010	.2400-01	.1676-04	9.993	695.7	247.4	.2680	1.700	2321.	.2924-02	.1981-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
533	.2881-01	.1766-01

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R F12SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
533	.76000-01	350.00	206.00	.9085-01	.1163	.1163	.9500	.2617-02	.3350-02	.4164	2.661	536.6
533	.97500	381.20	1288.0	.1246-01	.1587-01	.1587-01	.9500	.3590-03	.4572-03	.5813-01	.4339	533.7

IH102 60-0 FUSELAGE (R4WC24)

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
524	3.503	3.010	.5400-01	.1885-04	33.83	709.7	252.4	.9074	5.755	2344.	.9704-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
524	.5320-01	.9719-02

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
524	.76000-01	350.00	206.00	.9403-01	.1230	.1230	.9500	.5002-02	.6546-02	.7528	4.755	559.2
524	.97500	381.20	1288.0	.2197-01	.2856-01	.2856-01	.9500	.1169-02	.1520-02	.1798	1.327	555.9

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
555	2.007	4.020	-40.06	.0000	33.02	708.7	167.5	.2117	2.395	2550.	.3413-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
555	.3434-01	.1640-01

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
555	.76000-01	350.00	206.00	.9303-01	.1141	.1141	.9500	.3194-02	.3917-02	.6135	3.960	516.6
555	.97500	381.20	1288.0	.7683-01	.9828-01	.9828-01	.9500	.2638-02	.3375-02	.4282	3.176	546.3

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
552	3.511	4.020	-40.07	.0000	57.87	709.7	167.7	.3711	4.199	2552.	.5974-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
552	.4547-01	.1240-01

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
552	.76000-01	350.00	206.00	.6952-01	.8695-01	.8695-01	.9500	.3161-02	.3954-02	.5595	3.582	532.7
552	.97500	381.20	1288.0	.7965-01	.1051	.1051	.9500	.3622-02	.4779-02	.5308	3.904	563.1

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
542	3.521	4.020	-14.32	.0000	57.91	708.7	167.5	.3714	4.201	2550.	.5986-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
542	.4548-01	.1238-01

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
542	.76000-01	350.00	206.00	.8715-01	.1124	.1124	.9500	.3963-02	.5110-02	.6255	3.968	550.8
542	.97500	381.20	1288.0	.1462-01	.1875-01	.1875-01	.9500	.6650-03	.8525-03	.1071	.7938	547.6

IH102 60-0 FUSELAGE (R4WC28)

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
539	3.509	4.020	-.5113-02	-14.34	57.83	709.7	167.7	.3709	4.195	2552.	.5969-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
539	.4545-01	.1240-01

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
539	.76000-01	350.00	206.00	.1535	.2014	.2014	.9500	.6978-02	.9157-02	[illegible]40	6.568	560.6
539	.97500	381.20	1288.0	.3581-01	.4641-01	.4641-01	.9500	.1628-02	.2109-02	[illegible]528	1.868	554.3

IH102 60-0 FUSELAGE (R4WC29)

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
545	1.047	4.010	-.3400-01	-.1187-04	17.13	708.7	168.1	.1113	1.253	2549.	.1788-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
545	.2484-01	.2265-01

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
545	.76000-01	350.00	206.00	.7727-01	.9698-01	.9638-01	.9500	.1919-02	.2409-02	.3347	2.141	534.3

IH102 60-0 FUSELAGE (R4WC29)

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
536	3.512	4.020	.1600-01	.1117-04	57.88	709.7	167.7	.3712	4.199	2552.	.5975-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
536	.4548-01	.1239-01

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
536	.76000-01	350.00	206.00	.7799-01	.1005	.1005	.9500	.3547-02	.4571-02	.5615	3.561	551.4
536	.97500	381.20	1288.0	.1372-01	.1732-01	.1732-01	.9500	.6238-03	.7876-03	.1064	.7925	539.0

IH102 60-OTS FUSELAGE (R4WC30)

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPOBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
491	3.507	3.010	-5.043	-11.03	33.87	709.7	252.4	.9082	5.760	2344.	.9713-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
491	.5322-01	.9714-02

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
491	.76000-01	350.00	206.00	.1509	.2050	.2050	.9500	.8032-02	.1091-01	1.081	6.772	575.1
491	.97500	381.20	1288.0	.3565-01	.4844-01	.4844-01	.9500	.1897-02	.2578-02	.2549	1.864	575.3

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
502	1.044	3.010	-4.963	-5.944	9.720	691.7	246.0	.2607	1.653	2314.	.2860-02	.1970-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
502	.2838-01	.1784-01

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
502	.76000-01	350.00	206.00	.1284	.1674	.1674	.9500	.3644-02	.4751-02	.5412	3.446	543.2
502	.97500	381.20	1288.0	.1429-01	.1839-01	.1839-01	.9500	.4056-03	.5220-03	.6292-01	.4690	536.5

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
484	3.532	3.010	-4.981	-5.945	34.04	708.7	252.0	.9129	5.790	2342.	.9777-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
484	.5335-01	.9680-02

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
484	.76000-01	350.00	206.00	.1199	.1639	.1639	.9500	.6397-02	.8744-02	.8446	5.289	576.6
484	.97500	381.20	1288.0	.1553-01	.2059-01	.2059-01	.9500	.8287-03	.1099-02	.1195	.8785	564.4

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
499	1.034	3.010	-4.936	.0000	9.661	693.7	246.7	.2591	1.643	2318.	.2035-02	.1975-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
499	.2831-01	.1792-01

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
499	.76000-01	350.00	206.00	.9346-01	.1216	.1216	.9500	.2646-02	.3444-02	.3962	2.522	543.9
499	.97500	381.20	1288.0	.1760-01	.2273-01	.2273-01	.9500	.4982-03	.6436-03	.7648-01	.5690	540.2

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
473	3.518	3.010	-4.936	.0000	33.90	708.7	252.0	.9092	5.766	2342.	.9737-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
473	.5324-01	.9700-02

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
473	.76000-01	350.00	206.00	.9440-01	.1279	.1279	.9500	.5026-02	.6810-02	.6798	4.264	573.4
473	.97500	381.20	1288.0	.2813-01	.3759-01	.3759-01	.9500	.1498-02	.2001-02	.2110	1.548	567.8

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
487	3.524	3.010	-.2714-01	-10.97	34.03	709.7	252.4	.9127	5.789	2344.	.9761-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
487	.5336-01	.9690-02

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
487	.76000-01	350.00	206.00	.1288	.1863	.1863	.9500	.6873-02	.9941-02	.7901	4.903	594.7

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
481	3.523	3.010	-.1048-01	-5.980	33.95	708.7	252.0	.9105	5.774	2342.	.9751-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
481	.5328-01	.9693-02

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
481	.76000-01	350.00	206.00	.1043	.1446	.1446	.9500	.5555-02	.7706-02	.7051	4.404	581.7

IH102 60-0TS FUSELAGE (R4WC38)

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
476	3.534	3.010	.4540-07	-3.044	34.06	708.7	252.0	.9135	5.794	2342.	.9784-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
476	.5337-01	.9677-02

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
476	.76000-01	350.00	206.00	.9024-01	.1265	.1265	.9500	.4816-02	.6748-02	.5959	3.716	584.9

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
496	1.036	3.010	.3200-01	.1117-04	9.766	697.7	248.1	.2619	1.661	2324.	.2849-02	.1986-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
496	.2850-01	.1789-01

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
496	.76000-01	350.00	206.00	.9967-01	.1148	.1148	.9500	.2555-02	.3273-02	.4067	2.596	538.5
496	.97500	381.20	1288.0	.9548-02	.1226-01	.1226-01	.9500	.2721-03	.3494-03	.4288-01	.3191	540.0

IH102 60-OTS FUSELAGE (R4WC39)

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
467	3.535	3.010	-.1400-01	.0000	34.14	709.7	252.4	.9155	5.806	2344.	.9791-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
467	.5344-01	.9675-02

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
467	.76000-01	350.00	206.00	.8940-01	.1182	.1182	.9500	.4777-02	.6317-02	.6952	4.381	564.1
467	.97500	381.20	1288.0	.7911-02	.1021-01	.1021-01	.9500	.4227-03	.5456-03	.6661-01	.4927	552.1

IH102 60-OTS FUSELAGE (R4WC40)

FUSELAGE

PARAMETRIC DATA

MACH = 3.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
470	3.519	3.010	4.988	.0000	33.98	709.7	252.4	.9113	5.779	2344.	.9746-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
470	.5331-01	.9698-02

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
470	.76000-01	350.00	206.00	.8536-01	.1134	.1134	.9500	.4551-02	.6047-02	.6525	4.107	566.3
470	.97500	381.20	1288.0	.7565-02	.9857-02	.9857-02	.9500	.4033-03	.5255-03	.6156-01	.4542	557.0

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
510	3.510	4.020	-5.012	-11.03	57.85	709.7	167.7	.3710	4.197	2552.	.5971-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
510	.4546-01	.1240-01

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
510	.76000-01	350.00	206.00	.1449	.1951	.1951	.9500	.6587-02	.8870-02	.9079	5.699	571.8
510	.97500	381.20	1288.0	.3075-01	.3986-01	.3986-01	.9500	.1398-02	.1812-02	.2172	1.604	554.4

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TC DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
521	1.023	4.020	-4.962	-5.940	16.93	711.7	168.2	.1086	1.228	2556.	.1743-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
521	.2461-01	.2296-01

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
521	.76000-01	350.00	206.00	.1257	.1565	.1565	.9500	.3092-02	.3851-02	.5581	3.575	531.2
521	.97500	381.20	1288.0	.5252-02	.6522-02	.6522-02	.9500	.1293-03	.1605-03	.2363-01	.1768	528.9

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
461	3.526	4.020	-4.973	-5.944	57.99	708.7	167.5	.3719	4.207	2550.	.5994-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
461	.4551-01	.1237-01

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
461	.76000-01	350.00	206.00	.1242	.1627	.1627	.9500	.5651-02	.7403-02	.8461	5.346	558.9
461	.97500	381.20	1288.0	.1897-01	.2421-01	.2421-01	.9500	.8634-03	.1102-02	.1415	1.050	544.8

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
518	1.028	4.020	-5.022	-.1751-02	16.95	709.7	167.7	.1087	1.230	2552.	.1750-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
518	.2461-01	.2290-01

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
518	.76000-01	350.00	206.00	.3607-01	.1220	.1220	.9500	.2364-02	.3002-02	.3950	2.516	542.6

IH102 60-OTS FUSELAGE (R4WC43)

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
452	3.515	4.020	-4.948	-.1725-02	57.93	709.7	167.7	.3715	4.202	2552.	.5979-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
452	.4549-01	.1239-01

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
452	.76000-01	350.00	206.00	.9317-01	.1213	.1213	.9500	.4239-02	.5516-02	.6493	4.107	556.5
452	.97500	381.20	1288.0	.1221-01	.1559-01	.1559-01	.9500	.5557-03	.7094-03	.9098-01	.6750	545.9

IH102 60-OTS FUSELAGE (R4WC45)

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. F	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
504	3.525	4.020	-.7779-02	-11.01	57.74	706.7	167.0	.3703	4.188	2547.	.5985-02	.1344-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
504	.4538-01	.1238-01

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
504	.76000-01	350.00	206.00	.1232	.1738	.1738	.9500	.5592-02	.7890-02	.6784	4.230	585.4
504	.97500	381.20	1288.0	.6065-02	.7953-02	.7953-02	.9500	.2752-03	.3609-03	.4096-01	.3021	557.8

IH102 60-OTS FUSELAGE (R4WC47)

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
458	3.525	4.020	.8937-07	-5.976	57.97	708.[illegible]	167.5	.3718	4.206	2550.	.5993-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
458	.4550-01	.1237-01

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
458	.76000-01	350.00	206.00	.1020	.1375	.1375	.9500	.4642-02	.6256-02	.6375	4.002	571.3

IH102 60-OTS FUSELAGE (R4WC49)

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
455	3.525	4.020	-.1049-02	-3.002	57.97	708.7	167.5	.3718	4.206	2550.	.5993-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
455	.4550-01	.1237-01

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
455	.76000-01	350.00	206.00	.9183-01	.1214	.1214	.9500	.4178-02	.5525-02	.6073	3.828	563.3

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
516	1.032	4.020	.1000-01	.3491-05	16.97	708.7	167.5	.1088	1.231	2550.	.1754-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
516	.2462-01	.2287-01

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
516	.76000-01	350.00	206.00	.8182-01	.1034	.1034	.9500	.2014-02	.2545-02	.3420	2.183	538.9

IH102 60-OTS FUSELAGE (R4WC50)

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
446	3.515	4.020	.6000-02	.2094-05	57.93	709.7	167.7	.3715	4.202	2552.	.5979-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
446	.4549-01	.1239-01

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
446	.76000-01	350.00	206.00	.7890-01	.1027	.1027	.9500	.3589-02	.4670-02	.5501	3.480	556.4
446	.97500	381.20	1288.0	.2914-02	.3682-02	.3682-02	.9500	.1325-03	.1675-03	.2253-01	.1677	539.7

FUSELAGE

PARAMETRIC DATA

MACH = 4.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
449	3.512	4.020	4.956	.3456-02	57.88	709.7	167.7	.3712	4.199	2552.	.5975-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
449	.4548-01	.1239-01

TEST DATA

RUN NUMBER	XB/LB	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
449	.76000-01	350.00	206.00	.7049-01	.9174-01	.9174-01	.9500	.3205-02	.4172-02	.4910	3.106	556.5

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
548	3.516	3.010	-40.08	-.2464-02	33.95	709.7	252.4	.9105	5.775	2344.	.9738-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
548	.5329-01	.9702-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
548	.25200	4.5530	2037.0	.4350-01	.5459-01	.5459-01	.9500	.2318-02	.2909-02	.4050	2.833	535.0

IH102 60-0 LOWER NOSE (R4WD22)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
530	3.504	3.010	-14.45	.0000	33.84	709.7	252.4	.9075	5.756	2344.	.9706-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
530	.5320-01	.9718-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
530	.25200	4.5530	2037.0	.1268	.1681	.1681	.9500	.6747-02	.8944-02	.9746	6.713	565.2

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
527	3.499	3.010	.5111-02	-14.34	33.79	709.7	252.4	.9062	5.747	2344.	.9692-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
527	.5316-01	.9725-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
527	.25200	4.5530	2037.0	.2149	.3061	.3061	.9500	.1143-01	.1628-01	1.361	9.257	590.6

IH102 60-0 LOWER NOSE (R4WD24)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
533	1.065	3.010	.2400-01	.1676-04	9.993	695.7	247.4	.2680	1.700	2321.	.2924-02	.1981-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
533	.2881-01	.1766-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
533	.25200	4.5530	2037.0	.1824	.2442	.2442	.9500	.5256-02	.7036-02	.7228	4.997	558.2

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
524	3.503	3.010	.5400-01	.1885-04	33.83	709.7	252.4	.9074	5.755	2344.	.9704-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
524	.5320-01	.9719-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
524	.25200	4.5530	2037.0	.1752	.2520	.2520	.9500	.9322-02	.1341-01	1.086	7.375	593.2

IH102 60-0 LOWER NOSE (R4WD25)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
555	2.007	4.020	-40.06	.0000	33.02	708.7	167.5	.2117	2.395	2550.	.3413-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
555	.3434-01	.1640-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
555	.25200	4.5530	2037.0	.5168-01	.6344-01	.6344-01	.9500	.1775-02	.2178-02	.3394	2.395	517.4

IH102 60-0 LOWER NOSE (R4WD25)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
552	3.511	4.020	-40.07	.0000	57.87	709.7	167.7	.3711	4.199	2552.	.5974-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
552	.4547-01	.1240-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
552	.25200	4.5530	2037.0	.2978-01	.3710-01	.3710-01	.9500	.1354-02	.1687-02	.2438	1.710	529.7

IH102 60-0 LOWER NOSE (R4WD27)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
542	3.521	4.020	-14.32	.0000	57.91	708.7	167.5	.3714	4.201	2550.	.5986-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
542	.4548-01	.1238-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
542	.25200	4.5530	2037.0	.1109	.1452	.1452	.9500	.5042-02	.6603-02	.7554	5.220	558.8

IH102 60-0 LOWER NOSE (R4WD28)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TC DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
539	3.509	4.020	-.5113-02	-14.34	57.83	709.7	167.7	.3709	4.195	2552.	.5969-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
539	.4545-01	.1240-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
539	.25200	4.5530	2037.0	.2056	.2772	.2772	.9500	.9346-02	.1260-01	1.284	8.814	572.3

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
545	1.047	4.010	-.3400-01	-.1187-04	17.13	708.7	168.1	.1113	1.253	2549.	.1788-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
545	.2484-01	.2265-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
545	.25200	4.5530	2037.0	.1713	.2242	.2242	.9500	.4254-02	.5569-02	.6382	4.411	558.6

IH102 60-0 LOWER NOSE (R4WD29)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
536	3.512	4.020	.1600-01	.1117-04	57.88	709.7	167.7	.3712	4.199	2552.	.5975-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
536	.4548-01	.1239-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
536	.25200	4.5530	2037.0	.1654	.2286	.2286	.9500	.7521-02	.1040-01	.9646	6.591	581.4

IH102 60-0TS LOWER NOSE (R4WD30)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
491	3.507	3.010	-5.043	-11.03	33.87	709.7	252.4	.9082	5.760	2344.	.9713-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
491	.5322-01	.9714-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
491	.25200	4.5530	2037.0	.2094	.2946	.2946	.9500	.1115-01	.1568-01	1.368	9.324	586.9

IH102 60-0TS LOWER NOSE (R4WD31)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
502	1.044	3.010	-4.963	-5.944	9.720	691.7	246.0	.2607	1.653	2314.	.2860-02	.1970-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
502	.2838-01	.1784-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
502	.25200	4.5530	2037.0	.1949	.2577	.2577	.9500	.5532-02	.7314-02	.7852	5.450	549.7

IH102 60-OTS LOWER NOSE (R4WD31)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
484	3.532	3.010	-4.981	-5.945	34.04	708.7	252.0	.9129	5.790	2342.	.9777-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
484	.5335-01	.9680-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
484	.25200	4.5530	2037.0	.1948	.2820	.2820	.9500	.1039-01	.1504-01	1.191	8.087	594.1

IH102 60-OTS LOWER NOSE (R4WD32)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
499	1.034	3.010	-4.936	.0000	9.661	693.7	246.7	.2591	1.643	2318.	.2835-02	.1975-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
499	.2831-01	.1792-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TC) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
499	.25200	4.5530	2037.0	.1704	.2281	.2281	.9500	.4824-02	.6458-02	.6611	4.574	556.6

IH102 60-OTS LOWER NOSE (R4WD32)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
473	3.518	3.010	-4.936	.0000	33.90	708.7	252.0	.9092	5.766	2342.	.9737-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
473	.5324-01	.9700-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
473	.25200	4.5530	2037.0	.1605	.2328	.2328	.9500	.6545-02	.1240-01	.9747	6.617	594.6

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
487	3.524	3.010	-.2714-01	-10.97	34.03	709.7	252.4	.9127	5.789	2344.	.9761-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
487	.5336-01	.9690-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
487	.25200	4.5530	2037.0	.1911	.2949	.2949	.9500	.1020-01	.1574-01	1.028	6.926	608.9

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
481	3.523	3.010	-.1048-01	-5.980	33.95	708.7	252.0	.9105	5.774	2342.	.9751-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
481	.5328-01	.9693-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
481	.25200	4.5530	2037.0	.1747	.2572	.2572	.9500	.9306-02	.1370-01	1.028	6.967	598.2

IH102 60-0TS LOWER NOSE (R4WD38)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
476	3.534	3.010	.4540-07	-3.044	34.06	708.7	252.0	.9135	5.794	2342.	.9784-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
476	.5337-01	.9677-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
476	.25200	4.5530	2037.0	.1642	.2421	.2421	.9500	.8761-02	.1292-01	.9645	6.535	598.6

IH102 60-OTS LOWER NOSE (R4WD39)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0100 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
496	1.036	3.010	.3200-01	.1117-04	9.766	697.7	248.1	.2619	1.661	2324.	.2849-02	.1986-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
496	.2850-01	.1789-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
496	.25200	4.5530	2037.0	.1714	.2262	.2262	.9500	.4884-02	.6447-02	.7026	4.867	553.8

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
467	3.535	3.010	-.1400-01	.0000	34.14	709.7	252.4	.9155	5.806	2344.	.9791-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
467	.5344-01	.9675-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
467	.25200	4.5530	2037.0	.1739	.2489	.2489	.9500	.9293-02	.1330-01	1.094	7.440	591.9

IH102 60-OTS LOWER NOSE (R4WD40)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
470	3.519	3.010	4.988	.0000	33.98	709.7	252.4	.9113	5.779	2344.	.9746-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
470	.5331-01	.9698-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
470	.25200	4.5530	2037.0	.1442	.2099	.2099	.9500	.7688-02	.1119-01	.8716	5.912	596.3

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
510	3.510	4.020	-5.012	-11.03	57.85	709.7	167.7	.3710	4.197	2552.	.5971-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
510	.4546-01	.1240-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
510	.25200	4.5530	2037.0	.2043	.2835	.2835	.9500	.9290-02	.1289-01	1.180	8.060	582.6

IH102 60-OTS LOWER NOSE (R4WD42)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
521	1.023	4.020	-4.962	-5.940	16.93	711.7	168.2	.1086	1.228	2556.	.1743-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
521	.2461-01	.2296-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
521	.25200	4.5530	2037.0	.2030	.2562	.2562	.9500	.4995-02	.6304-02	.8558	5.969	540.3

IH102 60-OTS LOWER NOSE (R4WD42)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
461	3.526	4.020	-4.973	-5.944	57.99	708.7	167.5	.3719	4.207	2550.	.5994-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
461	.4551-01	.1237-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
461	.25200	4.5530	2037.0	.1959	.2684	.2684	.9500	.8914-02	.1221-01	1.170	8.007	577.5

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
518	1.028	4.020	-5.022	-.1751-02	16.95	709.7	167.7	.1087	1.230	2552.	.1750-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
518	.2461-01	.2290-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
518	.25200	4.5530	2037.0	.1737	.2248	.2248	.9500	.4275-02	.5531-02	.6676	4.626	553.5

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
452	3.515	4.020	-4.948	-.1725-02	57.93	709.7	167.7	.3715	4.202	2552.	.5979-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
452	.4549-01	.1239-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
452	.25200	4.5530	2037.0	.1732	.2372	.2372	.9500	.7881-02	.1079-01	1.037	7.096	578.1

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
504	3.525	4.020	-.7779-02	-11.01	57.74	706.7	167.0	.3703	4.188	2547.	.5985-02	.1344-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
504	.4538-01	.1238-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
504	.25200	4.5530	2037.0	.1818	.2640	.2640	.9500	.8252-02	.1198-01	.9371	6.366	593.1

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
458	3.525	4.020	.8937-07	-5.976	57.97	708.7	167.5	.3718	4.206	2550.	.5993-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
458	.4550-01	.1237-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
458	.25200	4.5530	2037.0	.1708	.2395	.2395	.9500	.7770-02	.1090-01	.9596	6.544	585.2

IH102 60-OTS LOWER NOSE (R4WD49)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
455	3.525	4.020	-.1049-02	-3.002	57.97	708.7	167.5	.3718	4.206	2550.	.5993-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
455	.4550-01	.1237-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
455	.25200	4.5530	2037.0	.1649	.2284	.2284	.9500	.7505-02	.1039-01	.9570	6.540	581.2

IH102 60-OTS LOWER NOSE (R4WD50)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
516	1.032	4.020	.1000-01	.3491-05	16.97	708.7	167.5	.1088	1.231	2550.	.1754-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
516	.2462-01	.2287-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
516	.25200	4.5530	2037.0	.1885	.2452	.2452	.9500	.4641-02	.6036-02	.7112	4.923	555.4

IH102 60-OTS LOWER NOSE (R4WD50)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
446	3.515	4.020	.6000-02	.2094-05	57.93	709.7	167.7	.3715	4.202	2552.	.5979-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
446	.4549-01	.1239-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
446	.25200	4.5530	2037.0	.1607	.2225	.2225	.9500	.7313-02	.1012-01	.9353	6.390	581.8

IH102 60-OTS LOWER NOSE (R4WD51)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
449	3.512	4.020	4.956	.3456-02	57.88	709.7	167.7	.3712	4.199	2552.	.5975-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
449	.4548-01	.1239-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
449	.25200	4.5530	2037.0	.1428	.1970	.1970	.9500	.6495-02	.8959-02	.8378	5.727	580.7

IH102 60-0 LOWER NOSE (R4WE21)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
548	3.516	3.010	-40.08	-.2464-02	33.95	709.7	262.4	.9105	5.775	2344.	.9738-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
548	.5329-01	.9702-02

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
548	4.5150	5.6960	2039.0	.1430	.1828	.1828	.9500	.7621-02	.9744-02	1.241	7.669	546.8
548	4.5410	5.5240	2038.0	.6377-01	.8032-01	.8032-01	.9500	.3398-02	.4281-02	.5850	3.962	537.5
548	6.3610	5.2660	2045.0	.2578-02	.3187-02	.3187-02	.9500	.1374-03	.1698-03	.2554-01	.2053	523.8
548	6.3610	5.4700	2046.0	.2573-01	.3228-01	.3228-01	.9500	.1371-02	.1720-02	.2399	1.790	534.7
548	6.3610	5.6730	2047.0	.3774-01	.4744-01	.4744-01	.9500	.2011-02	.2528-02	.3487	2.516	536.3
548	8.6100	5.3880	2070.0	.6597-02	.8295-02	.8295-02	.9500	.3516-03	.4420-03	.6097-01	.4546	536.3

IH102 60-0 LOWER NOSE (R4WE22)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
530	3.504	3.010	-14.45	.0000	33.84	709.7	252.4	.9075	5.756	2344.	.9706-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
530	.5320-01	.9718-02

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
530	4.5150	5.6960	2039.0	.2131	.2969	.2969	.9500	.1134-01	.1580-01	1.426	8.648	583.9
530	4.5410	5.5240	2038.0	.1476	.1981	.1981	.9500	.7855-02	.1054-01	1.094	7.286	570.4
530	6.3610	5.2660	2045.0	.2239-01	.2804-01	.2804-01	.9500	.1191-02	.1492-02	.2097	1.677	533.6
530	6.3610	5.4700	2046.0	.3913-01	.4982-01	.4982-01	.9500	.2082-02	.2651-02	.3441	2.555	544.4
530	6.3610	5.6730	2047.0	.4734-01	.6064-01	.6064-01	.9500	.2518-02	.3226-02	.4073	2.922	547.9
530	8.6100	5.3880	2070.0	.1515-01	.1910-01	.1910-01	.9500	.8058-03	.1016-02	.1382	1.029	538.2

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
527	3.499	3.010	.5111-02	-14.34	33.79	709.7	252.4	.9062	5.747	2344.	.9692-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
527	.5316-01	.9725-02

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
527	4.5150	5.6960	2039.0	.3367	.5249	.5249	.9500	.1790-01	.2791-01	1.772	10.61	610.7
527	4.5410	5.5240	2038.0	.2529	.3713	.3713	.9500	.1344-01	.1974-01	1.496	9.827	598.4
527	6.3610	5.2660	2045.0	.7142-01	.9362-01	.9362-01	.9500	.3797-02	.4977-02	.5683	4.486	560.0
527	6.3610	5.4700	2046.0	.9478-01	.1278	.1279	.9500	.5039-02	.6796-02	.6916	5.064	572.4
527	6.3610	5.6730	2047.0	.9746-01	.1312	.1312	.9500	.5181-02	.6977-02	.7145	5.064	571.8
527	8.6100	5.3880	2070.0	.4485-01	.5860-01	.5860-01	.9500	.2384-02	.3115-02	.3604	2.657	556.5

IH102 60-0 LOWER NOSE (R4WE24)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
533	1.065	3.010	.2400-01	.1676-04	9.993	695.7	247.4	.2680	1.700	2321.	.2924-02	.1981-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
533	.2881-01	.1766-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
533	4.5150	5.6960	2039.0	.2528	.3438	.3438	.9500	.7283-02	.9906-02	.9570	5.862	564.3
533	4.5410	5.5240	2038.0	.1949	.2615	.2615	.9500	.5616-02	.7534-02	.7672	5.141	559.1
533	6.3610	5.2660	2045.0	.3940-01	.4999-01	.4999-01	.9500	.1135-02	.1440-02	.1863	1.491	531.5
533	6.3610	5.4700	2046.0	.4884-01	.6226-01	.6226-01	.9500	.1407-02	.1794-02	.2271	1.695	534.3
533	6.3610	5.6730	2047.0	.4931-01	.6269-01	.6269-01	.9500	.1421-02	.1806-02	.2316	1.674	532.7
533	8.6100	5.3880	2070.0	.1537-01	.1936-01	.1936-01	.9500	.4427-03	.5577-03	.7464-01	.5591	527.1

IH102 60-0 LOWER NOSE (R4WE24)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
524	3.503	3.010	.5400-01	.1885-04	33.83	709.7	252.4	.9074	5.755	2344.	.9704-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
524	.5320-01	.9719-02

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.8	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
524	4.5150	5.6960	2039.0	.2349	.3526	.3526	.9500	.1249-01	.1876-01	1.328	7.976	603.4
524	4.5410	5.5240	2038.0	.1877	.2717	2717	.9500	.9987-02	.1445-01	1.147	7.551	594.8
524	6.3610	5.2660	2045.0	.4491-01	.5752-01	.5752-01	.9500	.2389-02	.3060-02	.3869	3.072	547.8
524	6.3610	5.4700	2046.0	.5200-01	.6721-01	.6721-01	.9500	.2766-02	.3575-02	.4338	3.207	552.8
524	6.3610	5.6730	2047.0	.5278-01	.6796-01	.6796-01	.9500	.2808-02	.3615-02	.4461	3.195	550.8
524	8.6100	5.3880	2070.0	.1777-01	.2248-01	.2248-01	.9500	.9452-03	.1196-02	.1601	1.191	540.3

IH102 60-0 LOWER NOSE (R4WE25)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
555	2.007	4.020	-40.06	.0000	33.02	708.7	167.5	.2117	2.395	2550.	.3413-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
555	.3434-01	.1640-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
555	4.5150	5.6960	2039.0	.1635	.2028	.2028	.9500	.5615-02	.6964-02	1.027	6.414	525.8
555	4.5410	5.5240	2038.0	.7341-01	.9031-01	.9031-01	.9500	.2521-02	.3101-02	.4774	3.264	519.3
555	6.3610	5.2660	2045.0	.2709-02	.3281-02	.3281-02	.9500	.9303-04	.1127-03	.1892-01	.1536	505.3
555	6.3610	5.4700	2046.0	.2844-01	.3463-01	.3463-01	.9500	.9764-03	.1189-02	.1935	1.461	510.5
555	6.3610	5.6730	2047.0	.4730-01	.5744-01	.5744-01	.9500	.1624-02	.1972-02	.3260	2.386	508.0
555	8.6100	5.3880	2070.0	.6270-02	.7645-02	.7645-02	.9500	.2153-03	.2625-03	.4243-01	.3204	511.6

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
552	3.511	4.020	-40.07	.0000	57.87	709.7	167.7	.3711	4.199	2552.	.5974-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
552	.4547-01	.1240-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
552	4.5150	5.6960	2039.0	.1090	.1375	.1375	9500	.4957-02	.6254-02	.8482	5.263	538.6
552	4.5410	5.5240	2038.0	.4662-01	.5818-01	.5818-01	9500	.2120-02	.2646-02	.3784	2.571	531.2
552	6.3610	5.4700	2046.0	.1673-01	.2077-01	.2077-01	9500	.7605-03	.9444-03	.1386	1.038	527.5
552	6.3610	5.6730	2047.0	.2532-01	.3138-01	.3138-01	9500	.1151-02	.1427-02	.2115	1.534	526.0
552	8.6100	5.3880	2070.0	.1405-02	.1742-02	.1742-02	.9500	.6391-04	.7919-04	.1175-01	.8809-01	525.8

IH102 60-0 LOWER NOSE (R4WE27)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
542	3.521	4.020	-14.32	.0000	57.91	708.7	167.5	.3714	4.201	2550.	.5986-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
542	.4548-01	.1238-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
542	4.5150	5.6960	2039.0	.1970	.2680	.2680	.9500	.8960-02	.1219-01	1.199	7.305	574.9
542	4.5410	5.5240	2038.0	.1293	.1707	.1707	.9500	.5880-02	.7765-02	.8584	5.741	562.7
542	6.3610	5.2660	2045.0	.1288-01	.1609-01	.1609-01	.9500	.5855-03	.7318-03	.1038	.6312	531.4
542	6.3610	5.4700	2046.0	.2753-01	.3480-01	.3480-01	.9500	.1252-02	.1583-02	.2122	1.580	539.1
542	6.3610	5.6730	2047.0	.3464-01	.4407-01	.4407-01	.9500	.1575-02	.2004-02	.2609	1.876	543.0
542	8.6100	5.3880	2070.0	.3466-02	.4335-02	.4335-02	.9500	.1576-03	.1971-03	.2785-01	.2080	532.0

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
539	3.509	4.020	-.5113-02	-14.34	57.83	709.7	167.7	.3709	4.195	2552.	.5969-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
539	.4545-01	.1240-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
539	4.5150	5.6960	2039.0	.3242	.4651	.4651	.9500	.1474-01	.2114-01	1.726	10.42	592.6
539	4.5410	5.5240	2038.0	.2414	.3327	.3327	.9500	.1097-01	.1512-01	1.420	9.414	580.3
539	6.3610	5.2660	2045.0	.6378-01	.8115-01	.8115-01	.9500	.2899-02	.3689-02	.4804	3.822	544.0
539	6.3610	5.4700	2046.0	.8626-01	.1119	.1119	.9500	.3921-02	.5087-02	.6070	4.483	554.9
539	6.3610	5.6730	2047.0	.8989-01	.1166	.1166	.9500	.4086-02	.5300-02	.6328	4.523	554.8
539	8.6100	5.3880	2070.0	.4163-01	.5299-01	.5299-01	.9500	.1892-02	.2409-02	.3132	2.326	544.1

IH102 60-0 LOWER NOSE (R4WE29)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
545	1.047	4.010	-.3400-01	-.1187-04	17.13	708.7	168.1	.1113	1.253	2549.	.1788-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
545	.2484-01	.2265-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
545	4.5150	5.6960	2039.0	.2550	.3354	.3354	.9500	.6334-02	.8330-02	.9370	5.750	560.7
545	4.5410	5.5240	2038.0	.1903	.2489	.2489	.9500	.4728-02	.6181-02	.7125	4.777	558.0
545	6.3610	5.2660	2045.0	.2971-01	.3725-01	.3725-01	.9500	.7380-03	.9251-03	.1293	1.034	533.5
545	6.3610	5.4700	2046.0	.4188-01	.5256-01	.5256-01	.9500	.1040-02	.1305-02	.1814	1.353	534.3
545	6.3610	5.6730	2047.0	.4096-01	.5127-01	.5127-01	.9500	.1017-02	.1273-02	.1793	1.296	532.4
545	8.6100	5.3880	2070.0	.6376-02	.7940-02	.7940-02	.9500	.1584-03	.1972-03	.2849-01	.2133	528.7

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
536	3.512	4.020	.1600-01	.1117-04	57.88	709.7	167.7	.3712	4.199	2552.	.5975-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
536	.4548-01	.1239-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
536	4.5150	5.6960	2039.0	.2288	.3244	.3244	.9500	.1041-01	.1475-01	1.254	7.585	589.2
536	4.5410	5.5240	2038.0	.1765	.2446	.2446	.9500	.8025-02	.1112-01	1.022	6.770	582.3
536	6.3610	5.2660	2045.0	.3280-01	.4168-01	.4168-01	.9500	.1491-02	.1895-02	.2483	1.977	543.2
536	6.3610	5.4700	2046.0	.4058-01	.5182-01	.5182-01	.9500	.1845-02	.2356-02	.3019	2.240	546.1
536	6.3610	5.6730	2047.0	.4064-01	.5178-01	.5178-01	.9500	.1848-02	.2355-02	.3048	2.190	544.7
536	8.6100	5.3880	2070.0	.7254-02	.9131-02	.9131-02	.9500	.3299-03	.4152-03	.5695-01	.4244	537.0

IH102 60-OTS LOWER NOSE (R4WE30)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
491	3.507	3.010	-5.043	-11.03	33.87	709.7	252.4	.9082	5.760	2344.	.9713-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
491	.5322-01	.9714-02

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
491	4.5150	5.6960	2039.0	.3203	.4923	.4923	.9500	.1705-01	.2620-01	1.732	10.38	608.1
491	4.5410	5.5240	2038.0	.2401	.3471	.3471	.9500	.1278-01	.1848-01	1.471	9.683	594.6
491	6.3610	5.2660	2045.0	.6566-01	.8493-01	.8493-01	.9500	.3495-02	.4520-02	.5464	4.327	553.3
491	6.3610	5.4700	2046.0	.8070-01	.1066	.1066	.9500	.4295-02	.5674-02	.6269	4.610	563.7
491	6.3610	5.6730	2047.0	.8406-01	.1111	.1111	.9500	.4474-02	.5914-02	.6517	4.637	564.0
491	8.6100	5.3880	2070.0	.1688	.2664	.2664	.9500	.8983-02	.1418-01	.8701	6.244	612.8

IH102 60-0TS LOWER NOSE (R4WE31)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
502	1.044	3.010	-4.963	-5.944	9.720	691.7	246.0	.2607	1.653	2314.	.2860-02	.1970-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
502	.2838-01	.1784-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
502	4.5150	5.6960	2039.0	.2960	.4028	.4028	.9500	.8400-02	.1143-01	1.095	6.719	561.3
502	4.5410	5.5240	2038.0	.2179	.2906	.2906	.9500	.6186-02	.8248-02	.8557	5.750	553.3
502	6.3610	5.2660	2045.0	.3070-01	.3973-01	.3973-01	.9500	.8712-03	.1128-02	.1325	1.056	539.6
502	6.3610	5.4700	2046.0	.4692-01	.6120-01	.6120-01	.9500	.1332-02	.1737-02	.1975	1.467	543.4
502	6.3610	5.6730	2047.0	.5148-01	.6712-01	.6712-01	.9500	.1461-02	.1905-02	.2169	1.559	543.2
502	8.6100	5.3880	2070.0	.1603	.2160	.2160	.9500	.4551-02	.6131-02	.6108	4.506	557.4

IH102 60-OTS LOWER NOSE (R4WE31)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
484	3.532	3.010	-4.981	-5.945	34.04	708.7	252.0	.9129	5.790	2342.	.9777-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
484	.5335-01	.9680-02

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
484	4.5150	5.6960	2039.0	.2906	.4469	.4469	.9500	.1550-01	.2384-01	1.571	9.418	607.4
484	4.5410	5.5240	2038.0	.2185	.3199	.3199	.9500	.1166-01	.1706-01	1.303	8.571	596.9
484	6.3610	5.2660	2045.0	.1573-01	.2128-01	.2128-01	.9500	.8390-03	.1135-02	.1140	.8938	572.8
484	6.3610	5.4700	2046.0	.3932-01	.5364-01	.5364-01	.9500	.2098-02	.2862-02	.2785	2.035	575.9
484	6.3610	5.6730	2047.0	.4428-01	.6017-01	.6017-01	.9500	.2362-02	.3210-02	.3169	2.243	574.5
484	8.6100	5.3880	2070.0	.1863	.2832	.2832	.9500	.9940-02	.1511-01	1.029	7.416	605.1

IH102 60-OTS LOWER NOSE (R4WE32)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
499	1.034	3.010	-4.936	.0000	9.661	693.7	246.7	.2591	1.643	2318.	.2835-02	.1975-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
499	.2831-01	.1792-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
499	4.5150	5.6960	2039.0	.2510	.3417	.3417	.9500	.7108-02	.9674-02	.9294	5.697	562.9
499	4.5410	5.5240	2038.0	.1890	.2536	.2536	.9500	.5351-02	.7181-02	.7281	4.882	557.6
499	6.3610	5.2660	2045.0	.2235-01	.2910-01	.2910-01	.9500	.6327-03	.8239-03	.9454-01	.7522	544.2
499	6.3610	5.4700	2046.0	.1974-01	.2560-01	.2560-01	.9500	.5589-03	.7247-03	.8470-01	.6296	542.1
499	6.3610	5.6730	2047.0	.2725-01	.3532-01	.3532-01	.9500	.7714-03	.9999-03	.1171	.8425	541.9
499	8.6100	5.3880	2070.0	.7356-01	.9697-01	.9697-01	.9500	.2083-02	.2746-02	.2991	2.215	550.0

IH102 60-0TS LOWER NOSE (R4WE32)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
473	3.518	3.010	-4.936	.0000	33.90	706.7	252.0	.9092	5.766	2342.	.9737-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
473	.5324-01	.9700-02

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
473	4.5150	5.6960	2039.0	.2389	.3625	.3625	.9500	.1272-01	.1930-01	1.321	7.934	604.8
473	4.5410	5.5240	2038.0	.1762	.2572	.2572	.9500	.9381-02	.1369-01	1.056	6.943	596.2
473	6.3610	5.2660	2045.0	.3908-01	.5358-01	.5358-01	.9500	.2080-02	.2853-02	.2723	2.130	577.8
473	6.3610	5.4700	2046.0	.2792-01	.3729-01	.3729-01	.9500	.1487-02	.1985-02	.2098	1.539	567.6
473	6.3610	5.6730	2047.0	.2863-01	.3810-01	.3810-01	.9500	.1524-02	.2028-02	.2174	1.545	566.1
473	8.6100	5.3880	2070.0	.8562-01	.1214	.1214	.9500	.4558-02	.6466-02	.5475	3.976	588.6

IH102 60-OTS LOWER NOSE (R4WE33)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
487	3.524	3.010	-.2714-01	-10.97	34.03	709.7	252.4	.9127	5.789	2344.	.9761-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
487	.5336-01	.9690-02

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
487	4.5150	5.6960	2039.0	.2875	.5055	.5055	.9500	.1534-01	.2697-01	1.263	7.498	627.4
487	4.5410	5.5240	2038.0	.2198	.3548	.3548	.9500	.1173-01	.1893-01	1.094	7.122	616.4
487	6.3610	5.2660	2045.0	.8530-01	.1198	.1198	.9500	.4551-02	.6394-02	.5603	4.364	586.6
487	6.3610	5.4700	2046.0	.6377-01	.8972-01	.8972-01	.9500	.3402-02	.4787-02	.4174	3.034	587.0
487	6.3610	5.6730	2047.0	.5920-01	.8307-01	.8307-01	.9500	.3159-02	.4432-02	.3900	2.745	586.2
487	8.6100	5.3880	2070.0	.3768-01	.5452-01	.5452-01	.9500	.2011-02	.2909-02	.2310	1.672	594.8

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
481	3.523	3.010	-.1048-01	-5.980	33.95	708.7	252.0	.9105	5.774	2342.	.9751-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
481	.5328-01	.9693-02

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
481	4.5150	5.6960	2039.0	.2515	.4052	.4052	.9500	.1340-01	.2159-01	1.252	7.477	615.3
481	4.5410	5.5240	2038.0	.1959	.2963	.2963	.9500	.1044-01	.1579-01	1.091	7.147	604.1
481	6.3610	5.2660	2045.0	.3988-01	.5275-01	.5275-01	.9500	.2125-02	.2810-02	.3088	2.433	563.4
481	6.3610	5.4700	2046.0	.4049-01	.5487-01	.5487-01	.9500	.2157-02	.2923-02	.2915	2.133	573.5
481	6.3610	5.6730	2047.0	.4420-01	.5982-01	.5982-01	.9500	.2355-02	.3187-02	.3197	2.264	572.9
481	8.6100	5.3880	2070.0	.1345	.2070	.2070	.9500	.7165-02	.1103-01	.7250	5.217	607.5

IH102 60-OTS LOWER NOSE (R4WE38)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
476	3.534	3.010	.4540-07	-3.044	34.06	708.7	252.0	.9135	5.794	2342.	.9784-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
476	.5337-01	.9677-02

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
476	4.5150	5.6960	2039.0	.2337	.3746	.3746	.9500	.1247-01	.1959-01	1.175	7.024	614.4
476	4.5410	5.5240	2038.0	.1806	.2740	.2740	.9500	.9640-02	.1462-01	1.003	6.568	604.7
476	6.3610	5.2660	2045.0	.4355-01	.5845-01	.5845-01	.9500	.2324-02	.3119-02	.3230	2.537	569.7
476	6.3610	5.4700	2046.0	.2758-01	.3756-01	.3756-01	.9500	.1472-02	.2004-02	.1962	1.434	575.3
476	6.3610	5.6730	2047.0	.3040-01	.4145-01	.4145-01	.9500	.1622-02	.2212-02	.2156	1.525	575.8
476	8.6100	5.3880	2070.0	.1189	.1824	.1824	.9500	.6344-02	.9733-02	.6456	4.647	606.9

IH102 60-OTS LOWER NOSE (R4WE39)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
496	1.036	3.010	.3200-01	.1117-04	9.766	697.7	248.1	.2619	1.661	2324.	.2849-02	.1986-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
496	.2850-01	.1789-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
496	4.5150	5.6960	2039.0	.2381	.3193	.3193	.9500	.6784-02	.9099-02	.9300	5.708	560.6
496	4.5410	5.5240	2038.0	.1863	.2465	.2465	.9500	.5309-02	.7025-02	.7582	5.091	554.8
496	6.3610	5.2660	2045.0	.4518-01	.5826-01	.5826-01	.9500	.1287-02	.1660-02	.2000	1.592	542.3
496	6.3610	5.4700	2046.0	.2976-01	.3809-01	.3809-01	.9500	.8479-03	.1085-02	.1351	1.006	538.3
496	6.3610	5.6730	2047.0	.3105-01	.3968-01	.3968-01	.9500	.8847-03	.1131-02	.1419	1.023	537.3
496	8.6100	5.3880	2070.0	.4272-01	.5508-01	.5508-01	.9500	.1217-02	.1570-02	.1893	1.407	542.2

IH102 60-OTS LOWER NOSE (R4WE39)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
467	3.535	3.010	-.1400-01	.0000	34.14	709.7	252.4	.9155	5.806	2344.	.9791-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
467	.5344-01	.9675-02

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
467	4.5150	5.6960	2039.0	.2357	.3515	.3515	.9500	.1260-01	.1878-01	1.357	8.157	602.0
467	4.5410	5.5240	2038.0	.1807	.2593	.2593	.9500	.9658-02	.1386-01	1.131	7.452	592.6
467	6.3610	5.2660	2045.0	.3809-01	.4979-01	.4979-01	.9500	.2035-02	.2661-02	.3072	2.426	558.7
467	6.3610	5.4700	2046.0	.3995-01	.5194-01	.5194-01	.9500	.2135-02	.2775-02	.3281	2.422	556.0
467	6.3610	5.6730	2047.0	.4003-01	.5207-01	.5207-01	.9500	.2139-02	.2782-02	.3283	2.345	556.2
467	8.6100	5.3880	2070.0	.1288	.1906	.1906	.9500	.6884-02	.1018-01	.7542	5.446	600.1

IH102 60-OTS LOWER NOSE (R4WE40)

LOWER NOSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
470	3.519	3.010	4.988	.0000	33.98	709.7	252.4	.9113	5.779	2344.	.9746-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
470	.5331-01	.9698-02

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
470	4.5150	5.6960	2039.0	.2079	.3146	.3146	.9500	.1108-01	.1677-01	1.159	6.961	605.1
470	4.5410	5.5240	2038.0	.1578	.2309	.2309	.9500	.8413-02	.1231-01	.9431	6.199	597.6
470	6.3610	5.2660	2045.0	.1268	.1829	.1829	.9500	.6758-02	.9749-02	.7817	6.067	594.0
470	6.3610	5.4700	2046.0	.1348	.1963	.1963	.9500	.7187-02	.1046-01	.8144	5.892	596.4
470	6.3610	5.6730	2047.0	.1139	.1654	.1654	.9500	.6075-02	.8815-02	.6934	4.857	595.5
470	8.6100	5.3880	2070.0	.9727-01	.1372	.1372	.9500	.5186-02	.7315-02	.6321	4.593	587.8

IH102 60-OTS LOWER NOSE (R4WE41)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
510	3.510	4.020	-5.012	-11.03	57.85	709.7	167.7	.3710	4.197	2552.	.5971-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
510	.4546-01	.1240-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
510	4.5150	5.6960	2039.0	.3207	.4779	.4779	.9500	.1458-01	.2173-01	1.573	9.456	601.8
510	4.5410	5.5240	2038.0	.2377	.3369	.3369	.9500	.1081-01	.1532-01	1.303	8.600	589.1
510	6.3610	5.2660	2045.0	.5339-01	.6857-01	.6857-01	.9500	.2427-02	.3117-02	.3891	3.087	549.4
510	6.3610	5.4700	2046.0	.7085-01	.9255-01	.9255-01	.9500	.3221-02	.4207-02	.4874	3.593	558.3
510	6.3610	5.6730	2047.0	.7565-01	.9912-01	.9912-01	.9500	.3439-02	.4506-02	.5153	3.674	559.8
510	8.6100	5.3880	2070.0	.1348	.1977	.1977	.9500	.6130-02	.8986-02	.6844	4.948	598.0

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
521	1.023	4.020	-4.962	-5.940	16.93	711.7	168.2	.1086	1.228	2556.	.1743-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
521	.2461-01	.2296-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
521	4.5150	5.6960	2039.0	.3200	.4103	.4103	.9500	.7873-02	.1010-01	1.273	7.851	550.0
521	4.5410	5.5240	2038.0	.2323	.2946	.2946	.9500	.5717-02	.7249-02	.9629	6.503	543.3
521	6.3610	5.2660	2045.0	.4344-01	.5362-01	.5362-01	.9500	.1069-02	.1320-02	.2002	1.609	524.3
521	6.3610	5.4700	2046.0	.6486-01	.8019-01	.8019-01	.9500	.1596-02	.1973-02	.2970	2.226	525.6
521	6.3610	5.6730	2047.0	.6871-01	.8493-01	.8493-01	.9500	.1691-02	.2090-02	.3151	2.286	525.3
521	8.6100	5.3880	2070.0	.9067-02	.1126-01	.1126-01	.9500	.2231-03	.2771-03	.4078-01	.3051	528.9

IH102 60-OTS LOWER NOSE (R4WE42)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
461	3.526	4.020	-4.973	-5.944	57.99	708.7	167.5	.3719	4.207	2550.	.5994-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
461	.4551-01	.1237-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
461	4.5150	5.6960	2039.0	.2961	.4243	.4243	.9500	.1347-01	.1931-01	1.580	9.548	591.4
461	4.5410	5.5240	2038.0	.2246	.3108	.3108	.9500	.1022-01	.1414-01	1.305	8.651	580.9
461	6.3610	5.2660	2045.0	.1791-01	.2337-01	.2337-01	.9500	.8149-03	.1063-02	.1235	.9765	557.1
461	6.3610	5.4700	2046.0	.4552-01	.5912-01	.5912-01	.9500	.2071-02	.2690-02	.3190	2.357	554.6
461	6.3610	5.6730	2047.0	.5234-01	.6778-01	.6778-01	.9500	.2382-02	.3084-02	.3704	2.649	553.2
461	8.6100	5.3880	2070.0	.5555-01	.7413-01	.7413-01	.9500	.2528-02	.3373-02	.3573	2.623	567.3

IH102 60-0TS LOWER NOSE (R4WE43)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
518	1.028	4.020	-5.022	-.1751-02	16.95	709.7	167.7	.1087	1.230	2552.	.1750-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
518	.2461-01	.2290-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT- BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
518	4.5150	5.6960	2039.0	.2622	.3440	.3440	.9500	.6454-02	.8467-02	.9632	5.911	560.4
518	4.5410	5.5240	2038.0	.1887	.2450	.2450	.9500	.4643-02	.6028-02	.7167	4.811	555.3
518	6.3610	5.2660	2045.0	.2746-01	.3487-01	.3487-01	.9500	.6758-03	.8580-03	.1129	.8991	542.6
518	6.3610	5.4700	2046.0	.3577-01	.4527-01	.4527-01	.9500	.8802-03	.1114-02	.1488	1.107	540.6
518	6.3610	5.6730	2047.0	.3480-01	.4394-01	.4394-01	.9500	.8564-03	.1081-02	.1461	1.052	539.1
518	8.6100	5.3880	2070.0	.4052-02	.5081-02	.5081-02	.9500	.9972-04	.1250-03	.1747-01	.1304	534.5

IH102 60-OTS LOWER NOSE (R4WE43)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
452	3.515	4.020	-4.948	-.1725-02	57.93	709.7	167.7	.3715	4.202	2552.	.5979-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
452	.4549-01	.1239-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
452	4.5150	5.6960	2039.0	.2538	.3599	.3599	.9500	.1155-01	.1637-01	1.391	8.414	589.2
452	4.5410	5.5240	2038.0	.1907	.2632	.2632	.9500	.8675-02	.1197-01	1.118	7.407	580.8
452	6.3610	5.2660	2045.0	.2761-01	.3529-01	.3529-01	.9500	.1256-02	.1606-02	.2047	1.626	546.7
452	6.3610	5.4700	2046.0	.2941-01	.3772-01	.3772-01	.9500	.1338-02	.1716-02	.2155	1.597	548.6
452	6.3610	5.6730	2047.0	.3412-01	.4384-01	.4384-01	.9500	.1552-02	.1994-02	.2484	1.780	549.7
452	8.6100	5.3880	2070.0	.3560-01	.4644-01	.4644-01	.9500	.1620-02	.2113-02	.2464	1.817	557.6

IH102 60-OTS LOWER NOSE (R4WE45)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
504	3.525	4.020	-.7779-02	-11.01	57.74	706.7	167.0	.3703	4.188	2547.	.5985-02	.1344-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
504	.4538-01	.1238-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
504	4.5150	5.6960	2039.0	.2815	.4489	.4489	.9500	.1278-01	.2037-01	1.211	7.245	611.9
504	4.5410	5.5240	2038.0	.2127	.3190	.3190	.9500	.9653-02	.1448-01	1.024	6.719	600.6
504	6.3610	5.2660	2045.0	.3607-01	.4867-01	.4867-01	.9500	.1637-02	.2209-02	.2236	1.756	570.1
504	6.3610	5.4700	2046.0	.4620-01	.6377-01	.6377-01	.9500	.2097-02	.2894-02	.2689	1.963	578.4
504	6.3610	5.6730	2047.0	.4946-01	.6817-01	.6817-01	.9500	.2245-02	.3094-02	.2890	2.042	577.9
504	8.6100	5.3880	2070.0	.6448-01	.9066-01	.9066-01	.9500	.2926-02	.4114-02	.3581	2.607	584.3

IH102 60 OTS LOWER NOSE (R4WE47)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
458	3.525	4.020	.8937-07	-5.976	57.97	708.7	167.5	.3718	4.206	2550.	.5993-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
458	.4550-01	.1237-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
458	4.5150	5.6960	2039.0	.2529	.3793	.3793	.9500	.1150-0[illegible]	.1726-01	1.223	7.350	602.4
458	4.5410	5.5240	2038.0	.1934	.2772	.2772	.9500	.8798-02	.1261-01	1.031	6.795	591.5
458	6.3610	5.2660	2045.0	.2574-01	.3346-01	.3346-01	.9500	.1171-02	.1523-02	.1796	1.421	555.3
458	6.3610	5.4700	2046.0	.3238-01	.4276-01	.4276-01	.9500	.1473-02	.1946-02	.2152	1.583	562.6
458	6.3610	5.6730	2047.0	.3631-01	.4792-01	.4792-01	.9500	.1652-02	.2180-02	.2415	1.719	562.5
458	8.6100	5.3880	2070.0	.8116-01	.1154	.1154	.9500	.3693-02	.5252-02	.4409	3.201	589.3

IH102 60-OTS LOWER NOSE (R4WE49)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
455	3.525	4.020	-.1049-02	-3.002	57.97	708.7	167.5	.3718	4.206	2550.	.5993-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
455	.4550-01	.1237-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
455	4.5150	5.6960	2039.0	.2365	.3450	.3450	.9500	.1076-01	.1569-01	1.214	7.318	595.9
455	4.5410	5.5240	2038.0	.1806	.2539	.2539	.9500	.8217-02	.1155-01	1.008	6.667	585.9
455	6.3610	5.2660	2045.0	.1854-01	.2381-01	.2381-01	.9500	.8435-03	.1083-02	.1351	1.073	548.5
455	6.3610	5.4700	2046.0	.2558-01	.3325-01	.3325-01	.9500	.1164-02	.1513-02	.1786	1.319	555.2
455	6.3610	5.6730	2047.0	.3138-01	.4080-01	.4080-01	.9500	.1428-02	.1856-02	.2192	1.566	555.2
455	8.6100	5.3880	2070.0	.5227-01	.7012-01	.7012-01	.9500	.2378-02	.3190-02	.3310	2.427	569.5

IH102 60-OTS LOWER NOSE (R4WE50)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
516	1.032	4.020	.1000-01	.3491-05	16.97	708.7	167.5	.1088	1.231	2550.	.1754-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
516	.2462-01	.2287-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
516	4.5150	5.6960	2039.0	.2486	.3263	.3263	.9500	.6118-02	.8033-02	.9095	5.583	560.0
516	4.5410	5.5240	2038.0	.1958	.2549	.2549	.9500	.4820-02	.6276-02	.7365	4.942	555.9
516	6.3610	5.2660	2045.0	.3361-01	.4245-01	.4245-01	.9500	.8274-03	.1045-02	.1408	1.123	538.5
516	6.3610	5.4700	2046.0	.3964-01	.5010-01	.5010-01	.9500	.9758-03	.1233-02	.1656	1.233	539.0
516	6.3610	5.6730	2047.0	.3703-01	.4667-01	.4667-01	.9500	.9115-03	.1149-02	.1563	1.127	537.2
516	8.6100	5.3880	2070.0	.3120-01	.3916-01	.3916-01	.9500	.7681-03	.9640-03	.1339	.9994	534.3

IH102 60-OTS LOWER NOSE (R4WE50)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
446	3.515	4.020	.6000-02	.2094-05	57.93	709.7	167.7	.3715	4.202	2552.	.5979-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
446	.4549-01	.1239-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
446	4.5150	5.6960	2039.0	.2295	.3277	.3277	.9500	.1044-01	.1491-01	1.236	7.471	591.3
446	4.5410	5.5240	2038.0	.1762	.2454	.2454	.9500	.8018-02	.1117-01	1.009	6.680	583.8
446	6.3610	5.2660	2045.0	.2263-01	.2907-01	.2907-01	.9500	.1029-02	.1322-02	.1648	1.308	549.5
446	6.3610	5.4700	2046.0	.2587-01	.3320-01	.3320-01	.9500	.1177-02	.1510-02	.1893	1.402	548.9
446	6.3610	5.6730	2047.0	.3046-01	.3910-01	.3910-01	.9500	.1386-02	.1779-02	.2225	1.595	549.1
446	8.6100	5.3880	2070.0	.4750-01	.6267-01	.6267-01	.9500	.2161-02	.2851-02	.3168	2.330	563.1

IH102 60-0TS LOWER NOSE (R4WE51)

LOWER NOSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
449	3.512	4.020	4.956	.3456-02	57.88	709.7	167.7	.3712	4.199	2552.	.5975-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
449	.4548-01	.1239-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
449	4.5150	5.6960	2039.0	.2028	.2880	.2880	.9500	.9221-02	.1310-01	1.105	6.684	589.8
449	4.5410	5.5240	2038.0	.1553	.2155	.2155	.9500	.7063-02	.9798-02	.8978	5.945	582.6
449	6.3610	5.2660	2045.0	.8708-01	.1210	.1210	.9500	.3960-02	.5502-02	.5013	3.911	583.1
449	6.3610	5.4700	2046.0	.4762-01	.6220-01	.6220-01	.9500	.2166-02	.2828-02	.3279	2.418	558.3
449	6.3610	5.6730	2047.0	.3284-01	.4234-01	.4234-01	.9500	.1493-02	.1925-02	.2361	1.691	551.5
449	8.6100	5.3880	2070.0	.4607-01	.5991-01	.5991-01	.9500	.2095-02	.2724-02	.3219	2.376	556.0

IH102 60-0 AFT FUSELAGE AND ELEVON SPLIT LINE (R4W121)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 3.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
548	3.516	3.010	-40.08	-.2464-02	33.95	709.7	252.4	.9105	5.775	2344.	.9738-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
548	.5329-01	.9702-02

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
548	4.6920	24.576	2341.0	.4759-01	.6088-01	.6088-01	.9500	.2536-02	.3244-02	.4123	3.057	547.1
548	4.6920	24.913	2342.0	.7138-01	.9256-01	.9256-01	.9500	.3804-02	.4933-02	.5900	4.086	554.6
548	4.7220	25.475	2343.0	.1059	.1391	.1391	.9500	.5641-02	.7412-02	.8379	5.970	561.1
548	4.7590	26.038	2344.0	.1453	.1947	.1947	.9500	.7744-02	.1037-01	1.084	7.688	569.7
548	4.9020	24.576	2336.0	.7666-01	.9896-01	.9896-01	.9500	.4085-02	.5274-02	.6432	4.757	552.2
548	4.9020	24.913	2337.0	.1162	.1537	.1537	.9500	.6193-02	.8189-02	.9017	6.415	564.1
548	4.9020	25.575	2338.0	.1423	.1930	.1930	.9500	.7583-02	.1028-01	1.024	8.025	574.6
548	4.9020	26.138	2339.0	.1783	.2489	.2489	.9500	.9502-02	.1326-01	1.188	9.978	584.6
548	5.5650	24.576	2320.0	.2085	.2936	.2936	.9500	.1111-01	.1564-01	1.361	10.06	587.2
548	5.5650	24.913	2321.0	.2042-01	.2573-01	.2573-01	.9500	.1088-02	.1371-02	.1869	1.576	537.9
548	5.5650	25.476	2322.0	.2478	.3735	.3735	.9500	.1320-01	.1990-01	1.392	11.15	604.3
548	5.5650	26.038	2323.0	.2425	.3538	.3538	.9500	.1292-01	.1886-01	1.457	10.90	596.9

IH102 60-0 AFT FUSELAGE AND ELEVON SPLIT LINE (R4WI22)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 3.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
530	3.504	3.010	-14.45	.0000	33.84	709.7	252.4	.9075	5.756	2344.	.9706-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
530	.5320-01	.9718-02

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
530	4.6920	24.576	2341.0	.2228-01	.2816-01	.2816-01	.9500	.1186-02	.1498-02	.2015	1.500	539.7
530	4.6920	24.913	2342.0	.3196-01	.4070-01	.4070-01	.9500	.1700-02	.2165-02	.2810	1.956	544.4
530	4.7220	25.475	2343.0	.5111-01	.6659-01	.6659-01	.9500	.2719-02	.3543-02	.4150	2.963	557.0
530	4.7590	26.038	2344.0	.6812-01	.9052-01	.9052-01	.9500	.3624-02	.4816-02	.5197	3.694	566.3
530	4.9020	24.576	2336.0	.3465-01	.4423-01	.4423-01	.9500	.1843-02	.2353-02	.3018	2.239	546.0
530	4.9020	24.913	2337.0	.4788-01	.6217-01	.6217-01	.9500	.2547-02	.3308-02	.3931	2.809	555.3
530	4.9020	25.575	2338.0	.5692-01	.7624-01	.7624-01	.9500	.3029-02	.4056-02	.4242	3.332	569.6
530	4.9020	26.138	2339.0	.6653-01	.9175-01	.9175-01	.9500	.3540-02	.4881-02	.4570	3.845	580.6
530	5.5650	24.576	2320.0	.5114-01	.7041-01	.7041-01	.9500	.2721-02	.3746-02	.3527	2.616	580.0
530	5.5650	25.476	2322.0	.6996-01	.1008	.1008	.9500	.3722-02	.5360-02	.4321	3.479	593.6
530	5.5650	26.038	2323.0	.7745-01	.1103	.1103	.9500	.4121-02	.5867-02	.4912	3.687	590.5

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
527	3.499	3.010	.5111-02	-14.34	33.79	709.7	252.4	.9062	5.747	2344.	.9692-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
527	.5316-01	.9725-02

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
527	4.6920	24.576	2341.0	.5084-01	.6637-01	.6637-01	.9500	.2703-02	.3529-02	.4100	3.023	558.0
527	4.6920	24.913	2342.0	.4608-01	.6032-01	.6032-01	.9500	.2450-02	.3207-02	.3682	2.543	559.4
527	4.7220	25.475	2343.0	.4397-01	.5701-01	.5701-01	.9500	.2338-02	.3031-02	.3627	2.592	554.5
527	4.7590	26.038	2344.0	.5669-01	.7405-01	.7405-01	.9500	.3014-02	.3937-02	.4561	3.254	558.3
527	4.9020	24.576	2336.0	.5084-01	.6587-01	.6587-01	.9500	.2703-02	.3502-02	.4205	3.107	554.1
527	4.9020	24.913	2337.0	.4766-01	.6209-01	.6209-01	.9500	.2534-02	.3301-02	.3868	2.762	557.0
527	4.9020	25.575	2338.0	.5011-01	.6581-01	.6581-01	.9500	.2664-02	.3499-02	.3963	3.127	560.9
527	4.9020	26.138	2339.0	.5540-01	.7430-01	.7430-01	.9500	.2945-02	.3950-02	.4108	3.474	570.2
527	5.5650	24.576	2320.0	.4128-01	.5525-01	.5525-01	.9500	.2195-02	.2938-02	.3080	2.297	569.3
527	5.5650	25.476	2322.0	.5569-01	.7715-01	.7715-01	.9500	.2961-02	.4102-02	.3777	3.058	582.1
527	5.5650	26.038	2323.0	.5511-01	.7480-01	.7480-01	.9500	.2930-02	.3977-02	.3949	2.987	574.9

IH102 60-0 AFT FUSELAGE AND ELEVON SPLIT LINE (R4W124)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
533	1.065	3.010	.2400-01	.1676-04	9.993	695.7	247.4	.2680	1.700	2321.	.2924-02	.1981-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
533	.2881-01	.1766-01

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
533	4.6920	24.576	2341.0	.8321-02	.1066-01	.1066-01	.9500	.2357-03	.3070-03	.3806-01	.2837	536.9
533	4.6920	24.913	2342.0	.4774-02	.6148-02	.6148-02	.9500	.1375-03	.1771-03	.2141-01	.1493	540.0
533	4.7220	25.475	2343.0	.1148-01	.1482-01	.1482-01	.9500	.3307-03	.4269-03	.5105-01	.3673	541.3
533	4.7590	26.038	2344.0	.2248-01	.2904-01	.2904-01	.9500	.6477-03	.8367-03	.9974-01	.7176	541.7
533	4.9020	24.576	2336.0	.3055-01	.3896-01	.3896-01	.9500	.8802-03	.1123-02	.1418	1.058	534.6
533	4.9020	24.913	2337.0	.2199-01	.2830-01	.2830-01	.9500	.6335-03	.8154-03	.9878-01	.7114	539.7
533	4.9020	25.575	2338.0	.2222-01	.2869-01	.2869-01	.9500	.6400-03	.8265-03	.9867-01	.7861	541.5
533	4.9020	26.138	2339.0	.2671-01	.3451-01	.3451-01	.9500	.7696-03	.9942-03	.1185	1.016	541.7
533	5.5650	24.576	2320.0	.8564-02	.1091-01	.1091-01	.9500	.2467-03	.3142-03	.3994-01	.3032	533.8
533	5.5650	25.476	2322.0	.7582-02	.9748-02	.9748-02	.9500	.2184-03	.2808-03	.3420-01	.2829	539.1
533	5.5650	26.038	2323.0	.9663-02	.1238-01	.1238-01	.9500	.2784-03	.3567-03	.4410-01	.3399	537.3

IH102 60-0 AFT FUSELAGE AND ELEVON SPLIT LINE (R4W124)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
524	3.503	3.010	.5400-01	.1885-04	33.83	709.7	252.4	.9074	5.755	2344.	.9704-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
524	.5320-01	.9719-02

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
524	4.6920	24.576	2341.0	.4275-01	.5533-01	.5533-01	.9500	.2274-02	.2944-02	.3549	2.623	553.6
524	4.6920	24.913	2342.0	.4504-01	.5918-01	.5918-01	.9500	.2396-02	.3148-02	.3560	2.458	561.1
524	4.7220	25.475	2343.0	.3659-01	.4782-01	.4782-01	.9500	.1946-02	.2544-02	.2940	2.098	558.6
524	4.7590	26.038	2344.0	.3393-01	.4404-01	.4404-01	.9500	.1805-02	.2343-02	.2791	1.994	555.1
524	4.9020	24.576	2336.0	.4419-01	.5702-01	.5702-01	.9500	.2351-02	.3033-02	.3709	2.743	551.9
524	4.9020	24.913	2337.0	.4603-01	.6070-01	.6070-01	.9500	.2449-02	.3229-02	.3595	2.559	562.9
524	4.9020	25.575	2338.0	.3213-01	.4200-01	.4200-01	.9500	.1709-02	.2234-02	.2581	2.038	558.7
524	4.9020	26.138	2339.0	.2848-01	.3720-01	.3720-01	.9500	.1515-02	.1979-02	.2293	1.951	558.3
524	5.5650	24.576	2320.0	.1365-01	.1755-01	.1755-01	.9500	.7261-03	.9337-03	.1159	.8725	550.1
524	5.5650	25.476	2322.0	.1576-01	.2048-01	.2048-01	.9500	.8383-03	.1090-02	.1289	1.057	555.9
524	5.5650	26.038	2323.0	.1813-01	.2345-01	.2345-01	.9500	.9647-03	.1248-02	.1509	1.154	553.3

IH102 60-0 AFT FUSELAGE AND ELEVON SPLIT LINE (R4W125)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
555	2.007	4.020	-40.06	.0000	33.02	708.7	167.5	.2117	2.395	2550.	.3413-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
555	.3434-01	.1640-01

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
555	4.6920	24.576	2341.0	.3058-01	.3821-01	.3821-01	.9500	.1050-02	.1312-02	.1863	1.392	531.3
555	4.6920	24.913	2342.0	.5026-01	.6310-01	.6310-01	.9500	.1726-02	.2167-02	.3006	2.103	534.5
555	4.7220	25.475	2343.0	.8285-01	.1048	.1048	.9500	.2845-02	.3600-02	.4807	3.462	539.7
555	4.7590	26.038	2344.0	.1115	.1421	.1421	.9500	.3830-02	.4879-02	.6311	4.536	543.9
555	4.9020	24.576	2336.0	.5862-01	.7350-01	.7350-01	.9500	.2013-02	.2524-02	.3522	2.630	533.7
555	4.9020	24.913	2337.0	.9687-01	.1227	.1227	.9500	.3326-02	.4213-02	.5598	4.030	540.4
555	4.9020	25.575	2338.0	.1233	.1579	.1579	.9500	.4234-02	.5422-02	.6847	5.440	547.0
555	4.9020	26.138	2339.0	.1533	.1983	.1983	.9500	.5262-02	.6810-02	.8204	6.999	552.8
555	5.5650	24.576	2320.0	.1771	.2305	.2305	.9500	.6081-02	.7915-02	.9297	6.980	555.8
555	5.5650	24.913	2321.0	.1434-01	.1783-01	.1783-01	.9500	.4924-03	.6124-03	.8903-01	.7547	527.8
555	5.5650	25.476	2322.0	.2188	.2916	.2916	.9500	.7513-02	.1001-01	1.067	8.701	566.7
555	5.5650	26.038	2323.0	.1894	.2499	.2499	.9500	.6505-02	.8581-02	.9526	7.251	562.2

IH102 60-0 AFT FUSELAGE AND ELEVON SPLIT LINE (R4W125)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
552	3.511	4.020	-40.07	.0000	57.87	709.7	167.7	.3711	4.199	2552.	.5974-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
552	.4547-01	.1240-01

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
552	4.6920	24.576	2341.0	.2946-01	.3761-01	.3761-01	.9500	.1340-02	.1710-02	.2194	1.628	545.9
552	4.6920	24.913	2342.0	.4498-01	.5781-01	.5781-01	.9500	.2045-02	.2629-02	.3270	2.270	549.8
552	4.7220	25.475	2343.0	.7567-01	.9831-01	.9831-01	.9500	.3441-02	.4470-02	.5301	3.788	555.6
552	4.7590	26.038	2344.0	.1096	.1443	.1443	.9500	.4984-02	.6563-02	.7351	5.235	562.2
552	4.9020	24.576	2336.0	.6327-01	.8128-01	.8128-01	.9500	.2877-02	.3696-02	.4607	3.412	549.5
552	4.9020	24.913	2337.0	.9836-01	.1282	.1282	.9500	.4473-02	.5828-02	.6824	4.872	557.1
552	4.9020	25.575	2338.0	.1127	.1495	.1495	.9500	.5123-02	.6798-02	.7374	5.804	565.7
552	4.9020	26.138	2339.0	.1406	.1907	.1907	.9500	.6392-02	.8673-02	.8625	7.277	574.7
552	5.5650	24.576	2320.0	.1662	.2283	.2283	.9500	.7558-02	.1038-01	.9858	7.315	579.2
552	5.5650	24.913	2321.0	.1560-01	.1972-01	.1972-01	.9500	.7094-03	.8965-03	.1206	1.016	539.7
552	5.5650	25.476	2322.0	.1912	.2751	.2751	.9500	.8694-02	.1251-01	1.011	8.139	593.4
552	5.5650	26.038	2323.0	.1991	.2795	.2795	.9500	.9055-02	.1271-01	1.118	8.406	586.3

IH102 60-0 AFT FUSELAGE AND ELEVON SPLIT LINE (R4W127)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 4.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
542	3.521	4.020	-14.32	.0000	57.91	708.7	167.5	.3714	4.201	2550.	.5986-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
542	.4548-01	.1238-01

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
542	4.6920	24.576	2341.0	.8944-02	.1126-01	.1126-01	.9500	.4067-03	.5122-03	.7000-01	.5218	536.6
542	4.6920	24.913	2342.0	.9176-02	.1160-01	.1160-01	.9500	.4173-03	.5277-03	.7067-01	.4932	539.3
542	4.7220	25.475	2343.0	.3352-01	.4288-01	.4288-01	.9500	.1525-02	.1950-02	.2475	1.776	546.3
542	4.7590	26.038	2344.0	.5182-01	.6718-01	.6718-01	.9500	.2357-02	.3055-02	.3652	2.612	553.7
542	4.9020	24.576	2336.0	.2252-01	.2847-01	.2847-01	.9500	.1024-02	.1295-02	.1736	1.292	539.2
542	4.9020	24.913	2337.0	.2396-01	.3060-01	.3060-01	.9500	.1090-02	.1391-02	.1781	1.279	545.2
542	4.9020	25.575	2338.0	.4408-01	.5706-01	.5706-01	.9500	.2005-02	.2595-02	.3124	2.474	552.9
542	4.9020	26.138	2339.0	.5783-01	.7642-01	.7642-01	.9500	.2630-02	.3475-02	.3831	3.251	563.0
542	5.5650	24.576	2320.0	.4199-01	.5451-01	.5451-01	.9500	.1910-02	.2479-02	.2946	2.213	554.4
542	5.5650	25.476	2322.0	.5905-01	.7912-01	.7912-01	.9500	.2685-02	.3598-02	.3750	3.056	569.0
542	5.5650	26.038	2323.0	.6001-01	.7954-01	.7954-01	.9500	.2729-02	.3617-02	.3938	2.995	564.3

IH102 60-0 AFT FUSELAGE AND ELEVON SPLIT LINE (R4WI28)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
539	3.509	4.020	-.5113-02	-14.34	57.83	709.7	167.7	.3709	4.195	2552.	.5969-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
539	.4545-01	.1240-01

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
539	4.6920	24.576	2341.0	.3627-01	.4565-01	.4565-01	.9500	.1649-02	.2075-02	.2847	2.122	537.0
539	4.6920	24.913	2342.0	.3522-01	.4433-01	.4433-01	.9500	.1601-02	.2015-02	.2767	1.933	536.9
539	4.7220	25.475	2343.0	.4105-01	.5167-01	.5167-01	.9500	.1866-02	.2349-02	.3221	2.323	537.0
539	4.7590	26.038	2344.0	.4967-01	.6289-01	.6289-01	.9500	.2258-02	.2858-02	.3811	2.743	540.9
539	4.9020	24.576	2336.0	.3636-01	.4555-01	.4555-01	.9500	.1653-02	.2071-02	.2904	2.168	533.9
539	4.9020	24.913	2337.0	.4018-01	.5056-01	.5056-01	.9500	.1826-02	.2298-02	.3156	2.276	536.9
539	4.9020	25.575	2338.0	.4373-01	.5556-01	.5556-01	.9500	.1988-02	.2525-02	.3311	2.636	543.1
539	4.9020	26.138	2339.0	.5035-01	.6472-01	.6472-01	.9500	.2289-02	.2942-02	.3657	3.124	549.9
539	5.5650	24.576	2320.0	.3598-01	.4645-01	.4645-01	.9500	.1635-02	.2111-02	.2574	1.936	552.3
539	5.5650	25.476	2322.0	.5372-01	.7086-01	.7086-01	.9500	.2442-02	.3221-02	.3581	2.927	563.0
539	5.5650	26.038	2323.0	.5273-01	.6877-01	.6877-01	.9500	.2397-02	.3126-02	.3645	2.781	557.6

IH102 60-0 AFT FUSELAGE AND ELEVON SPLIT LINE (R4W129)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
545	1.047	4.010	-.3400-01	-.1187-04	17.13	708.7	168.1	.1113	1.253	2549.	.1788-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
545	.2484-01	.2265-01

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
545	4.6920	24.576	2341.0	.7933-02	.9906-02	.9906-02	.9500	.1970-03	.2460-03	.3507-01	.2622	530.7
545	4.6920	24.913	2342.0	.4173-02	.5218-02	.5218-02	.9500	.1036-03	.1296-03	.1833-01	.1284	531.8
545	4.7220	25.475	2343.0	.1088-01	.1369-01	.1369-01	.9500	.2703-03	.3401-03	.4666-01	.3367	536.0
545	4.7590	26.038	2344.0	.1666-01	.2099-01	.2099-01	.9500	.4137-03	.5214-03	.7096-01	.5118	537.1
545	4.9020	24.576	2336.0	.1414-01	.1767-01	.1767-01	.9500	.3511-03	.4389-03	.6223-01	.4651	531.4
545	4.9020	24.913	2337.0	.1836-02	.2306-02	.2306-02	.9500	.4561-04	.5727-04	.7938-02	.5732-01	534.6
545	4.9020	25.575	2338.0	.1118-01	.1412-01	.1412-01	.9500	.2777-03	.3508-03	.4720-01	.3766	538.7
545	4.9020	26.138	2339.0	.1012-01	.1281-01	.1281-01	.9500	.2513-03	.3181-03	.4237-01	.3638	540.0

IH102 60-0 AFT FUSELAGE AND ELEVON SPLIT LINE (R4WI29)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 4.001 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0001 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
536	3.512	4.020	.1600-01	.1117-04	57.88	709.7	167.7	.3712	4.199	2552.	.5975-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
536	.4548-01	.1239-01

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
536	4.6920	24.576	2341.0	.2741-01	.3474-01	.3474-01	.9500	.1247-02	.1580-02	.2097	1.559	541.4
536	4.6920	24.913	2342.0	.2588-01	.3295-01	.3295-01	.9500	.1177-02	.1498-02	.1946	1.354	544.3
536	4.7220	25.475	2343.0	.1793-01	.2288-01	.2288-01	.9500	.8156-03	.1040-02	.1339	.9618	545.5
536	4.7590	26.038	2344.0	.1538-01	.1963-01	.1963-01	.9500	.6993-03	.8926-03	.1146	.8227	545.8
536	4.9020	24.576	2336.0	.2705-01	.3407-01	.3407-01	.9500	.1230-02	.1549-02	.2119	1.579	537.4
536	4.9020	24.913	2337.0	.2537-01	.3221-01	.3221-01	.9500	.1154-02	.1465-02	.1926	1.385	542.7
536	4.9020	25.575	2338.0	.1809-01	.2307-01	.2307-01	.9500	.8226-03	.1049-02	.1353	1.076	545.2
536	4.9020	26.138	2339.0	.1617-01	.2067-01	.2067-01	.9500	.7355-03	.9399-03	.1200	1.027	546.5
536	5.5650	24.576	2320.0	.7632-02	.9579-02	.9579-02	.9500	.3471-03	.4356-03	.6059-01	.4596	535.1
536	5.5650	25.476	2322.0	.7950-02	.1007-01	.1007-01	.9500	.3615-03	.4579-03	.6097-01	.5039	541.0
536	5.5650	26.038	2323.0	.7727-02	.9759-02	.9759-02	.9500	.3514-03	.4438-03	.5988-01	.4612	539.3

IH102 60-OTS AFT FUSELAGE AND ELEVON SPLIT LINE (R4W130)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
491	3.507	3.010	-5.043	-11.03	33.87	709.7	252.4	.9082	5.760	2344.	.9713-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
491	.5322-01	.9714-02

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
491	4.6920	24.576	2341.0	.5494-01	.7237-01	.7237-01	.9500	.2924-02	.3852-02	.4308	3.170	562.3
491	4.6920	24.913	2342.0	.4773-01	.6324-01	.6324-01	.9500	.2540-02	.3366-02	.3675	2.532	565.0
491	4.7220	25.475	2343.0	.4576-01	.5975-01	.5975-01	.9500	.2436-02	.3180-02	.3692	2.634	558.1
491	4.7590	26.038	2344.0	.5227-01	.6816-01	.6816-01	.9500	.2782-02	.3628-02	.4234	3.022	557.5
491	4.9020	24.576	2336.0	.5272-01	.6875-01	.6875-01	.9500	.2806-02	.3659-02	.4271	3.151	557.5
491	4.9020	24.913	2337.0	.5355-01	.7085-01	.7085-01	.9500	.2850-02	.3771-02	.4140	2.945	564.4
491	4.9020	25.575	2338.0	.4380-01	.5774-01	.5774-01	.9500	.2331-02	.3073-02	.3426	2.700	562.7
491	4.9020	26.138	2339.0	.4764-01	.6328-01	.6328-01	.9500	.2535-02	.3368-02	.3638	3.083	566.2
491	5.5650	24.576	2320.0	.2690-01	.3588-01	.3588-01	.9500	.1432-02	.1909-02	.2029	1.514	567.9
491	5.5650	25.476	2322.0	.3780-01	.5180-01	.5180-01	.9500	.2012-02	.2757-02	.2643	2.144	578.3
491	5.5650	26.038	2323.0	.3800-01	.5150-01	.5150-01	.9500	.2022-02	.2741-02	.2737	2.071	574.3

IH102 60-OTS AFT FUSELAGE AND ELEVON SPLIT LINE (R4WI31)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
502	1.044	3.010	-4.963	-5.944	9.720	691.7	246.0	.2607	1.653	2314.	.2860-02	.1970-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
502	.2838-01	.1784-01

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
502	4.6920	24.576	2341.0	.4129-01	.5304-01	.5304-01	.9500	.1172-02	.1505-02	.1830	1.365	535.5
502	4.6920	24.913	2342.0	.4056-01	.5224-01	.5224-01	.9500	.1151-02	.1483-02	.1781	1.244	537.0
502	4.7220	25.475	2343.0	.3936-01	.5077-01	.5077-01	.9500	.1117-02	.1441-02	.1718	1.239	537.8
502	4.7590	26.038	2344.0	.4144-01	.5357-01	.5357-01	.9500	.1176-02	.1521-02	.1797	1.295	538.9
502	4.9020	24.576	2336.0	.3540-01	.4532-01	.4532-01	.9500	.1005-02	.1286-02	.1588	1.185	533.7
502	4.9020	24.913	2337.0	.3870-01	.4981-01	.4981-01	.9500	.1099-02	.1414-02	.1704	1.229	536.6
502	4.9020	25.575	2338.0	.4262-01	.5512-01	.5512-01	.9500	.1210-02	.1564-02	.1845	1.472	539.1
502	4.9020	26.138	2339.0	.4424-01	.5742-01	.5742-01	.9500	.1256-02	.1630-02	.1892	1.623	541.0
502	5.5650	24.576	2320.0	.2117-01	.2732-01	.2732-01	.9500	.6009-03	.7754-03	.9236-01	.6997	538.0
502	5.5650	25.476	2322.0	.3158-01	.4111-01	.4111-01	.9500	.8964-03	.1167-02	.1338	1.105	542.4
502	5.5650	26.038	2323.0	.2823-01	.3666-01	.3666-01	.9500	.8014-03	.1040-02	.1206	.9281	541.1

IH102 60-OTS AFT FUSELAGE AND ELEVON SPLIT LINE (R4W131)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
484	3.532	3.010	-4.981	-5.945	34.04	708.7	252.0	.9129	5.790	2342.	.9777-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
484	.5335-01	.9680-02

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
484	4.6920	24.576	2341.0	.4519-01	.5973-01	.5973-01	.9500	.2411-02	.3186-02	.3508	2.580	563.2
484	4.6920	24.913	2342.0	.4611-01	.6155-01	.6155-01	.9500	.2460-02	.3283-02	.3474	2.390	567.4
484	4.7220	25.475	2343.0	.3111-01	.4159-01	.4159-01	.9500	.1659-02	.2219-02	.2332	1.656	568.1
484	4.7590	26.038	2344.0	.2846-01	.3809-01	.3809-01	.9500	.1518-02	.2032-02	.2127	1.510	568.6
484	4.9020	24.576	2336.0	.4363-01	.5690-01	.5690-01	.9500	.2327-02	.3036-02	.3535	2.608	556.8
484	4.9020	24.913	2337.0	.4580-01	.6044-01	.6044-01	.9500	.2443-02	.3224-02	.3573	2.544	562.4
484	4.9020	25.575	2338.0	.3438-01	.4589-01	.4589-01	.9500	.1834-02	.2448-02	.2591	2.038	567.4
484	4.9020	26.138	2339.0	.3625-01	.4891-01	.4891-01	.9500	.1934-02	.2609-02	.2647	2.237	571.8
484	5.5650	24.576	2320.0	.2167-01	.2870-01	.2870-01	.9500	.1156-02	.1531-02	.1670	1.249	564.2
484	5.5650	25.476	2322.0	.2821-01	.3827-01	.3827-01	.9500	.1505-02	.2042-02	.2028	1.648	573.9
484	5.5650	26.038	2323.0	.2617-01	.3523-01	.3523-01	.9500	.1396-02	.1879-02	.1925	1.459	570.8

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
499	1.034	3.010	-4.936	.0000	9.661	693.7	246.7	.2591	1.643	2318.	.2835-02	.1975-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
499	.2831-01	.1792-01

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
499	4.6920	24.576	2341.0	.1352-01	.1734-01	.1734-01	.9500	.3829-03	.4910-03	.6035-01	.4500	536.1
499	4.6920	24.913	2342.0	.1488-01	.1914-01	.1914-01	.9500	.4214-03	.5418-03	.6579-01	.4595	537.6
499	4.7220	25.475	2343.0	.2590-01	.3357-01	.3357-01	.9500	.7332-03	.9503-03	.1113	.8009	541.8
499	4.7590	26.038	2344.0	.3234-01	.4198-01	.4198-01	.9500	.9157-03	.1188-02	.1383	.9949	542.6
499	4.9020	24.576	2336.0	.2618-01	.3353-01	.3353-01	.9500	.7411-03	.9493-03	.1172	.8743	535.5
499	4.9020	24.913	2337.0	.3420-01	.4408-01	.4408-01	.9500	.9683-03	.1248-02	.1498	1.080	538.9
499	4.9020	25.575	2338.0	.3718-01	.4830-01	.4830-01	.9500	.1053-02	.1367-02	.1587	1.263	542.9
499	4.9020	26.138	2339.0	.3813-01	.4975-01	.4975-01	.9500	.1080-02	.1408-02	.1604	1.373	545.1
499	5.5650	24.576	2320.0	.1721-01	.2225-01	.2225-01	.9500	.4873-03	.6299-03	.7461-01	.5645	540.5
499	5.5650	25.476	2322.0	.2295-01	.2996-01	.2996-01	.9500	.6497-03	.8483-03	.9626-01	.7937	545.5
499	5.5650	26.038	2323.0	.2119-01	.2753-01	.2753-01	.9500	.6001-03	.7795-03	.9041-01	.6949	543.0

IH102 60-OTS AFT FUSELAGE AND ELEVON SPLIT LINE (R4W132)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
473	3.518	3.010	-4.936	.0000	33.90	708.7	252.0	.9092	5.766	2342.	.9737-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
473	.5324-01	.9700-02

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
473	4.6920	24.576	2341.0	.1677-01	.2186-01	.2186-01	.9500	.8929-03	.1164-02	.1360	1.004	556.3
473	4.6920	24.913	2342.0	.1664-01	.2178-01	.2178-01	.9500	.8857-03	.1160-02	.1329	.9184	558.6
473	4.7220	25.475	2343.0	.1887-01	.2491-01	.2491-01	.9500	.1005-02	.1326-02	.1470	1.047	562.4
473	4.7590	26.038	2344.0	.2953-01	.3916-01	.3916-01	.9500	.1572-02	.2085-02	.2265	1.611	564.6
473	4.9020	24.576	2336.0	.2619-01	.3397-01	.3397-01	.9500	.1394-02	.1809-02	.2157	1.594	554.0
473	4.9020	24.913	2337.0	.2795-01	.3672-01	.3672-01	.9500	.1488-02	.1955-02	.2206	1.572	560.4
473	4.9020	25.575	2338.0	.2495-01	.3314-01	.3314-01	.9500	.1328-02	.1764-02	.1906	1.500	565.2
473	4.9020	26.138	2339.0	.3538-01	.4739-01	.4739-01	.9500	.1884-02	.2523-02	.2634	2.229	568.8
473	5.5650	24.576	2320.0	.1775-01	.2351-01	.2351-01	.9500	.9452-03	.1251-02	.1369	1.023	563.9
473	5.5650	25.476	2322.0	.2393-01	.3229-01	.3229-01	.9500	.1274-02	.1719-02	.1743	1.418	571.9
473	5.5650	26.038	2323.0	.2401-01	.3208-01	.3208-01	.9500	.1279-02	.1708-02	.1801	1.367	567.8

IH102 60-OTS AFT FUSELAGE AND ELEVON SPLIT LINE (R4WI33)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
487	3.524	3.010	-.2714-01	-10.97	34.03	709.7	252.4	.9127	5.789	2344.	.9761-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
487	.5336-01	.9690-02

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
487	4.6920	24.576	2341.0	.2924-01	.4097-01	.4097-01	.9500	.1560-02	.2186-02	.1933	1.406	585.7
487	4.6920	24.913	2342.0	.1555-01	.2187-01	.2187-01	.9500	.8297-03	.1167-02	.1019	.6942	586.9
487	4.7220	25.475	2343.0	.1719-01	.2375-01	.2375-01	.9500	.9170-03	.1267-02	.1177	.8301	581.3
487	4.7590	26.038	2344.0	.2566-01	.3537-01	.3537-01	.9500	.1369-02	.1887-02	.1769	1.248	580.5
487	4.9020	24.576	2336.0	.2853-01	.3961-01	.3961-01	.9500	.1522-02	.2113-02	.1930	1.405	582.9
487	4.9020	24.913	2337.0	.9137-02	.1297-01	.1297-01	.9500	.4875-03	.6918-03	.5857-01	.4114	589.5
487	4.9020	25.575	2338.0	.1083-01	.1520-01	.1520-01	.9500	.5776-03	.8109-03	.7125-01	.5551	586.3
487	4.9020	26.138	2339.0	.8671-02	.1229-01	.1229-01	.9500	.4626-03	.6555-03	.5579-01	.4674	589.1

IH102 60-OTS AFT FUSELAGE AND ELEVON SPLIT LINE (R4W136)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
481	3.523	3.010	-.1048-01	-5.980	33.95	708.7	252.0	.9105	5.774	2342.	.9751-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
481	.5328-01	.9693-02

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
481	4.6920	24.576	2341.0	.3065-01	.4134-01	.4134-01	.9500	.1633-02	.2203-02	.2236	1.637	571.7
481	4.6920	24.913	2342.0	.1698-01	.2311-01	.2311-01	.9500	.9047-03	.1231-02	.1209	.8290	575.0
481	4.7220	25.475	2343.0	.7262-02	.9773-02	.9773-02	.9500	.3869-03	.5207-03	.5337-01	.3784	570.7
481	4.7590	26.038	2344.0	.1386-01	.1854-01	.1854-01	.9500	.7386-03	.9876-03	.1038	.7370	568.1
481	4.9020	24.576	2336.0	.2505-01	.3341-01	.3341-01	.9500	.1335-02	.1780-02	.1891	1.388	567.0
481	4.9020	24.913	2337.0	.1438-01	.1950-01	.1950-01	.9500	.7660-03	.1039-02	.1033	.7317	573.8
481	4.9020	25.575	2338.0	.7302-02	.9894-02	.9894-02	.9500	.3890-03	.5271-03	.5262-01	.4126	573.4
481	4.9020	26.138	2339.0	.9522-02	.1293-01	.1293-01	.9500	.5073-03	.6889-03	.6819-01	.5755	574.2
481	5.5650	25.476	2322.0	.3982-02	.5484-02	.5484-02	.9500	.2122-03	.2921-03	.2746-01	.2226	579.3
481	5.5650	26.038	2323.0	.3277-02	.4477-02	.4477-02	.9500	.1746-03	.2385-03	.2307-01	.1743	576.5

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
476	3.534	3.010	.4540-07	-3.044	34.06	708.7	252.0	.9135	5.794	2342.	.9784-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
476	.5337-01	.9677-02

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
476	4.6920	24.576	2341.0	.1509-01	.2038-01	.2038-01	.9500	.8054-03	.1088-02	.1100	.8054	572.1
476	4.6920	24.913	2342.0	.4375-02	.5932-02	.5932-02	.9500	.2335-03	.3166-03	.3152-01	.2162	573.7
476	4.7220	25.475	2343.0	.4188-02	.5660-02	.5660-02	.9500	.2235-03	.3020-03	.3046-01	.2158	572.4
476	4.7590	26.038	2344.0	.9110-02	.1233-01	.1233-01	.9500	.4861-03	.6580-03	.6596-01	.4672	573.0
476	4.9020	24.576	2336.0	.1368-01	.1834-01	.1834-01	.9500	.7299-03	.9786-03	.1018	.7461	569.3
476	4.9020	26.138	2339.0	.2277-02	.3135-02	.3135-02	.9500	.1215-03	.1673-03	.1573-01	.1325	579.2

IH102 60-OTS AFT FUSELAGE AND ELEVON SPLIT LINE (R4WI39)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
496	1.036	3.010	.3200-01	.1117-04	9.766	697.7	248.1	.2619	1.661	2324.	.2849-02	.1986-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
496	.2850-01	.1789-01

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
496	4.6920	24.576	2341.0	.1452-01	.1849-01	.1849-01	.9500	.4136-03	.5268-03	.6713-01	.5007	535.4
496	4.6920	24.913	2342.0	.1519-01	.1940-01	.1940-01	.9500	.4328-03	.5529-03	.6955-01	.4860	537.0
496	4.7220	25.475	2343.0	.2542-01	.3266-01	.3266-01	.9500	.7242-03	.9305-03	.1139	.8203	540.3
496	4.7590	26.038	2344.0	.2487-01	.3194-01	.3194-01	.9500	.7086-03	.9102-03	.1116	.8037	540.2
496	4.9020	24.576	2336.0	.2461-01	.3134-01	.3134-01	.9500	.7014-03	.8930-03	.1140	.8506	535.1
496	4.9020	24.913	2337.0	.2827-01	.3621-01	.3621-01	.9500	.8055-03	.1032-02	.1281	.9233	538.6
496	4.9020	25.575	2338.0	.2934-01	.3772-01	.3772-01	.9500	.8360-03	.1075-02	.1312	1.046	540.7
496	4.9020	26.138	2339.0	.2643-01	.3403-01	.3403-01	.9500	.7532-03	.9696-03	.1177	1.010	541.4
496	5.5650	24.576	2320.0	.8110-02	.1041-01	.1041-01	.9500	.2311-03	.2966-03	.3649-01	.2762	539.8
496	5.5650	25.476	2322.0	.1358-01	.1760-01	.1760-01	.9500	.3871-03	.5014-03	.5925-01	.4887	544.6
496	5.5650	26.038	2323.0	.9963-02	.1287-01	.1287-01	.9500	.2839-03	.3668-03	.4382-01	.3368	543.3

IH102 60-OTS AFT FUSELAGE AND ELEVON SPLIT LINE (R4W139)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .000(SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
467	3.535	3.010	-.1400-01	.0000	34.14	709.7	252.4	.9155	5.806	2344.	.9791-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
467	.5344-01	.9675-02

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
467	4.6920	24.576	2341.0	.1961-01	.2513-01	.2513-01	.9500	.1048-02	.1343-02	.1693	1.255	548.1
467	4.6920	24.913	2342.0	.2193-01	.2819-01	.2819-01	.9500	.1172-02	.1506-02	.1871	1.299	550.0
467	4.7220	25.475	2343.0	.2235-01	.2895-01	.2895-01	.9500	.1194-02	.1547-02	.1858	1.328	554.1
467	4.7590	26.038	2344.0	.2862-01	.3720-01	.3720-01	.9500	.1529-02	.1988-02	.2351	1.679	555.9
467	4.9020	24.576	2336.0	.2865-01	.3650-01	.3650-01	.9500	.1531-02	.1950-02	.2527	1.876	544.6
467	4.9020	24.913	2337.0	.3160-01	.4060-01	.4060-01	.9500	.1689-02	.2169-02	.2703	1.937	549.6
467	4.9020	25.575	2338.0	.2917-01	.3785-01	.3785-01	.9500	.1559-02	.2023-02	.2411	1.908	555.0
467	4.9020	26.138	2339.0	.3076-01	.4022-01	.4022-01	.9500	.1644-02	.2149-02	.2481	2.110	558.7
467	5.5650	24.576	2320.0	.1321-01	.1711-01	.1711-01	.9500	.7058-03	.9145-03	.1097	.8246	554.2
467	5.5650	25.476	2322.0	.1935-01	.2543-01	.2543-01	.9500	.1034-02	.1359-02	.1535	1.256	561.2
467	5.5650	26.038	2323.0	.2162-01	.2838-01	.2838-01	.9500	.1156-02	.1517-02	.1722	1.312	560.6

IH102 60-OTS AFT FUSELAGE AND ELEVON SPLIT LINE (R4W140)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 3.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
470	3.519	3.010	4.988	.0000	33.98	709.7	252.4	.9113	5.779	2344.	.9746-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
470	.5331-01	.9698-02

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
470	4.6920	24.576	2341.0	.2373-01	.3086-01	.3086-01	.9500	.1265-02	.1645-02	.1944	1.435	556.0
470	4.6920	24.913	2342.0	.2594-01	.3396-01	.3396-01	.9500	.1383-02	.1810-02	.2080	1.437	559.3
470	4.7220	25.475	2343.0	.1980-01	.2606-01	.2606-01	.9500	.1056-02	.1389-02	.1561	1.111	561.9
470	4.7590	26.038	2344.0	.1615-01	.2121-01	.2121-01	.9500	.8612-03	.1131-02	.1282	.9136	560.8
470	4.9020	24.576	2336.0	.2927-01	.3762-01	.3762-01	.9500	.1561-02	.2005-02	.2497	1.849	549.7
470	4.9020	24.913	2337.0	.2726-01	.3540-01	.3540-01	.9500	.1453-02	.1887-02	.2243	1.603	555.3
470	4.9020	25.575	2338.0	.2135-01	.2799-01	.2799-01	.9500	.1138-02	.1492-02	.1700	1.342	560.3
470	4.9020	26.138	2339.0	.1929-01	.2540-01	.2540-01	.9500	.1029-02	.1354-02	.1518	1.289	562.1
470	5.5650	24.576	2320.0	.8209-02	.1064-01	.1064-01	.9500	.4377-03	.5671-03	.6807-01	.5114	554.2
470	5.5650	25.476	2322.0	.1056-01	.1390-01	.1390-01	.9500	.5627-03	.7410-03	.8302-01	.6788	562.1
470	5.5650	26.038	2323.0	.8224-02	.1079-01	.1079-01	.9500	.4384-03	.5750-03	.6550-01	.4991	560.3

IH102 60-OTS AFT FUSELAGE AND ELEVON SPLIT LINE (R4W141)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
510	3.510	4.020	-5.012	-11.03	57.85	709.7	167.7	.3710	4.197	2552.	.5971-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
510	.4546-01	.1240-01

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
510	4.6920	24.576	2341.0	.4507-01	.5804-01	.5804-01	.9500	.2049-02	.2639-02	.3252	2.407	550.9
510	4.6920	24.913	2342.0	.4098-01	.5289-01	.5289-01	.9500	.1863-02	.2404-02	.2936	2.036	552.1
510	4.7220	25.475	2343.0	.3429-01	.4370-01	.4370-01	.9500	.1559-02	.1987-02	.2568	1.845	544.9
510	4.7590	26.038	2344.0	.3312-01	.4207-01	.4207-01	.9500	.1505-02	.1913-02	.2505	1.804	543.0
510	4.9020	24.576	2336.0	.4059-01	.5184-01	.5184-01	.9500	.1845-02	.2357-02	.3019	2.239	546.1
510	4.9020	24.913	2337.0	.4276-01	.5504-01	.5504-01	.9500	.1944-02	.2502-02	.3089	2.213	550.7
510	4.9020	25.575	2338.0	.3141-01	.4025-01	.4025-01	.9500	.1428-02	.1830-02	.2307	1.832	548.1
510	4.9020	26.138	2339.0	.3173-01	.4072-01	.4072-01	.9500	.1443-02	.1851-02	.2320	1.983	548.9
510	5.5650	24.576	2320.0	.2061-01	.2636-01	.2636-01	.9500	.9370-03	.1199-02	.1524	1.149	547.0
510	5.5650	25.476	2322.0	.3176-01	.4134-01	.4134-01	.9500	.1444-02	.1879-02	.2211	1.813	556.5
510	5.5650	26.038	2323.0	.3228-01	.4181-01	.4181-01	.9500	.1468-02	.1901-02	.2285	1.746	554.0

IH102 60-OTS AFT FUSELAGE AND ELEVON SPLIT LINE (R4WI42)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
521	1.023	4.020	-4.962	-5.940	16.93	711.7	168.2	.1086	1.228	2556.	.1743-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
521	.2461-01	.2296-01

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
521	4.6920	24.576	2341.0	.1366-01	.1691-01	.1691-01	.9500	.3361-03	.4162-03	.6220-01	.4660	526.6
521	4.6920	24.913	2342.0	.1313-01	.1626-01	.1626-01	.9500	.3231-03	.4001-03	.5976-01	.4197	526.7
521	4.7220	25.475	2343.0	.1776-01	.2207-01	.2207-01	.9500	.4369-03	.5430-03	.7960-01	.5763	529.5
521	4.7590	26.038	2344.0	.2748-01	.3417-01	.3417-01	.9500	.6763-03	.8409-03	.1229	.8899	529.9
521	4.9020	24.576	2336.0	.1782-01	.2203-01	.2203-01	.9500	.4385-03	.5420-03	.8165-01	.6121	525.5
521	4.9020	24.913	2337.0	.1490-01	.1848-01	.1848-01	.9500	.3666-03	.4548-03	.6725-01	.4872	528.2
521	4.9020	25.575	2338.0	.2391-01	.2978-01	.2978-01	.9500	.5883-03	.7329-03	.1061	.8497	531.3
521	4.9020	26.138	2339.0	.2927-01	.3647-01	.3647-01	.9500	.7202-03	.8975-03	.1297	1.118	531.6
521	5.5650	24.576	2320.0	.1125-01	.1397-01	.1397-01	.9500	.2770-03	.3439-03	.5065-01	.3855	528.8
521	5.5650	25.476	2322.0	.2413-01	.3022-01	.3022-01	.9500	.5937-03	.7437-03	.1048	.8686	535.2
521	5.5650	26.038	2323.0	.3014-01	.3764-01	.3764-01	.9500	.7417-03	.9263-03	.1324	1.023	533.1

IH102 60-OTS AFT FUSELAGE AND ELEVON SPLIT LINE (R4WI42)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
461	3.526	4.020	-4.973	-5.944	57.99	708.7	167.5	.3719	4.207	2550.	.5994-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
461	.4551-01	.1237-01

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
461	4.6920	24.576	2341.0	.3105-01	.3951-01	.3951-01	.9500	.1413-02	.1798-02	.2336	1.735	543.3
461	4.6920	24.913	2342.0	.3332-01	.4253-01	.4253-01	.9500	.1516-02	.1935-02	.2483	1.728	544.9
461	4.7220	25.475	2343.0	.1842-01	.2351-01	.2351-01	.9500	.8381-03	.1070-02	.1372	.9855	545.0
461	4.7590	26.038	2344.0	.2564-01	.3270-01	.3270-01	.9500	.1167-02	.1488-02	.1915	1.376	544.6
461	4.9020	24.576	2336.0	.3052-01	.3866-01	.3866-01	.9500	.1389-02	.1759-02	.2336	1.738	540.5
461	4.9020	24.913	2337.0	.3258-01	.4158-01	.4158-01	.9500	.1483-02	.1892-02	.2428	1.744	544.9
461	4.9020	25.575	2338.0	.2460-01	.3146-01	.3146-01	.9500	.1119-02	.1431-02	.1818	1.445	546.2
461	4.9020	26.138	2339.0	.2952-01	.3789-01	.3789-01	.9500	.1343-02	.1724-02	.2155	1.843	548.2
461	5.5650	24.576	2320.0	.1495-01	.1907-01	.1907-01	.9500	.6804-03	.8676-03	.1117	.8435	544.5
461	5.5650	25.475	2322.0	.2770-01	.3587-01	.3587-01	.9500	.1261-02	.1632-02	.1963	1.612	553.0
461	5.5650	26.038	2323.0	.3007-01	.3873-01	.3873-01	.9500	.1368-02	.1762-02	.2168	1.660	550.2

IH102 60-OTS AFT FUSELAGE AND ELEVON SPLIT LINE (R4W143)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. F	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
518	1.028	4.020	-5.022	-.1751-02	16.95	709.7	167.7	.1087	1.230	2552.	.1750-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
518	.2461-01	.2290-01

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
518	4.6920	24.576	2341.0	.1444-01	.1802-01	.1802-01	.9500	.3554-03	.4434-03	.6355-01	.4751	530.9
518	4.6920	24.913	2342.0	.1353-01	.1691-01	.1691-01	.9500	.3330-03	.4161-03	.5918-01	.4145	532.0
518	4.7220	25.475	2343.0	.2233-01	.2809-01	.2809-01	.9500	.5496-03	.6913-03	.9510-01	.6860	536.6
518	4.7590	26.038	2344.0	.2455-01	.3099-01	.3099-01	.9500	.6040-03	.7626-03	.1031	.7428	539.0
518	4.9020	24.576	2336.0	.1537-01	.1922-01	.1922-01	.9500	.3782-03	.4729-03	.6702-01	.5006	532.5
518	4.9020	24.913	2337.0	.1315-01	.1652-01	.1652-01	.9500	.3235-03	.4064-03	.5629-01	.4062	535.7
518	4.9020	25.575	2338.0	.1734-01	.2192-01	.2192-01	.9500	.4268-03	.5395-03	.7251-01	.5782	539.8
518	4.9020	26.138	2339.0	.1714-01	.2176-01	.2176-01	.9500	.4219-03	.5355-03	.7054-01	.6049	542.5

IH102 60-OTS AFT FUSELAGE AND ELEVON SPLIT LINE (R4W143)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. F	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
452	3.515	4.020	-4.948	-.1725-02	57.93	709.7	167.7	.3715	4.202	2552.	.5979-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
452	.4549-01	.1239-01

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
452	4.6920	24.576	2341.0	.1533-01	.1942-01	.1942-01	.9500	.6976-03	.8834-03	.1177	.8752	541.0
452	4.6920	24.913	2342.0	.1308-01	.1658-01	.1658-01	.9500	.5948-03	.7542-03	.9992-01	.6964	541.7
452	4.7220	25.475	2343.0	.1578-01	.2017-01	.2017-01	.9500	.7178-03	.9175-03	.1170	.8399	546.6
452	4.7590	26.038	2344.0	.2561-01	.3283-01	.3283-01	.9500	.1165-02	.1494-02	.1880	1.348	548.3
452	4.9020	24.576	2336.0	.1946-01	.2454-01	.2454-01	.9500	.8853-03	.1117-02	.1516	1.129	538.4
452	4.9020	24.913	2337.0	.2289-01	.2906-01	.2906-01	.9500	.1041-02	.1322-02	.1741	1.252	542.5
452	4.9020	25.575	2338.0	.2237-01	.2867-01	.2867-01	.9500	.1018-02	.1304-02	.1643	1.305	548.2
452	4.9020	26.138	2339.0	.2828-01	.3649-01	.3649-01	.9500	.1287-02	.1660-02	.2030	1.733	551.9
452	5.5650	24.576	2320.0	.1386-01	.1768-01	.1768-01	.9500	.6306-03	.8045-03	.1035	.7812	545.5
452	5.5650	25.476	2322.0	.1756-01	.2266-01	.2266-01	.9500	.7988-03	.1031-02	.1258	1.034	552.1
452	5.5650	26.038	2323.0	.1794-01	.2301-01	.2301-01	.9500	.8160-03	.1047-02	.1312	1.005	548.9

IH102 60-OTS AFT FUSELAGE AND ELEVON SPLIT LINE (R4W14")

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
504	3.525	4.020	-.7779-02	-11.01	57.74	706.7	167.0	.3703	4.188	2547.	.5985-02	.1344-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
504	.4538-01	.1238-01

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
504	4.6920	24.576	2341.0	.3931-01	.5201-01	.5201-01	.9500	.1784-02	.2360-02	.2582	1.900	562.0
504	4.6920	24.913	2342.0	.3465-01	.4584-01	.4584-01	.9500	.1573-02	.2080-02	.2277	1.571	561.9
504	4.7220	25.475	2343.0	.1691-01	.2231-01	.2231-01	.9500	.7675-03	.1013-02	.1120	.7982	560.7
504	4.7590	26.038	2344.0	.1175-01	.1553-01	.1553-01	.9500	.5333-03	.7047-03	.7743-01	.5516	561.5
504	4.9020	24.576	2336.0	.3780-01	.4950-01	.4950-01	.9500	.1715-02	.2247-02	.2563	1.891	557.3
504	4.9020	24.913	2337.0	.3015-01	.3987-01	.3987-01	.9500	.1368-02	.1809-02	.1985	1.414	561.6
504	4.9020	25.575	2338.0	.1632-01	.2160-01	.2160-01	.9500	.7407-03	.9801-03	.1072	.8450	562.0
504	4.9020	26.138	2339.0	.1098-01	.1465-01	.1465-01	.9500	.4984-03	.6650-03	.7031-01	.5960	565.6
504	5.5650	24.576	2320.0	.5270-02	.6823-02	.6823-02	.9500	.2392-03	.3096-03	.3714-01	.2794	551.4
504	5.5650	25.476	2322.0	.1424-01	.1889-01	.1889-01	.9500	.6461-03	.8572-03	.9270-01	.7576	563.2
504	5.5650	26.038	2323.0	.1199-01	.1584-01	.1584-01	.9500	.5442-03	.7188-03	.7917-01	.6030	561.2

IH102 60-OTS AFT FUSELAGE AND ELEVON SPLIT LINE (R4W147)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
458	3.525	4.020	.8937-07	-5.976	57.97	708.7	167.5	.3718	4.206	2550.	.5993-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
458	.4550-01	.1237-01

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2 SEC	DTWDT DEG. R /SEC	TW DEG. R
458	4.6920	24.576	2341.0	.2671-01	.3443-01	.3443-01	.9500	.1215-02	.1567-02	.1921	1.422	550.6
458	4.6920	24.913	2342.0	.2743-01	.3558-01	.3558-01	.9500	.1248-02	.1619-02	.1929	1.336	554.1
458	4.7220	25.475	2343.0	.2844-01	.3705-01	.3705-01	.9500	.1294-02	.1686-02	.1974	1.410	556.1
458	4.7590	26.038	2344.0	.2676-01	.3477-01	.3477-01	.9500	.1218-02	.1582-02	.1872	1.338	554.9
458	4.9020	24.576	2336.0	.2244-01	.2875-01	.2875-01	.9500	.1021-02	.1308-02	.1651	1.224	547.0
458	4.9020	24.913	2337.0	.2013-01	.2600-01	.2600-01	.9500	.9157-03	.1183-02	.1436	1.028	551.8
458	4.9020	25.575	2338.0	.2003-01	.2606-01	.2606-01	.9500	.9116-03	.1186-02	.1398	1.106	555.3
458	4.9020	26.138	2339.0	.1725-01	.2250-01	.2250-01	.9500	.7849-03	.1024-02	.1193	1.015	556.7
458	5.5650	25.476	2322.0	.6266-02	.8174-02	.8174-02	.9500	.2851-03	.3719-03	.4328-01	.3548	556.9
458	5.5650	26.038	2323.0	.6510-02	.8471-02	.8471-02	.9500	.2962-03	.3854-03	.4533-01	.3462	555.6

IH102 60-OTS AFT FUSELAGE AND ELEVON SPLIT LINE (R4WI49)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
455	3.525	4.020	-.1049-02	-3.002	57.97	708.7	167.5	.3718	4.206	2550.	.5993-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
455	.4550-01	.1237-01

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
455	4.6920	24.576	2341.0	.2607-01	.3359-01	.3359-01	.9500	.1186-02	.1528-02	.1877	1.389	550.5
455	4.6920	24.913	2342.0	.2437-01	.3157-01	.3157-01	.9500	.1109-02	.1436-02	.1723	1.194	553.3
455	4.7220	25.475	2343.0	.2824-01	.3687-01	.3687-01	.9500	.1285-02	.1677-02	.1946	1.389	557.2
455	4.7590	26.038	2344.0	.2894-01	.3765-01	.3765-01	.9500	.1317-02	.1713-02	.2018	1.442	555.4
455	4.9020	24.576	2336.0	.2236-01	.2866-01	.2866-01	.9500	.1018-02	.1304-02	.1642	1.217	547.3
455	4.9020	24.913	2337.0	.1918-01	.2479-01	.2479-01	.9500	.8726-03	.1128-02	.1365	.9771	552.3
455	4.9020	25.575	2338.0	.1868-01	.2433-01	.2433-01	.9500	.8498-03	.1107-02	.1296	1.025	556.3
455	4.9020	26.138	2339.0	.1996-01	.2606-01	.2606-01	.9500	.9083-03	.1186-02	.1375	1.171	557.2
455	5.5650	25.476	2322.0	.4969-02	.6486-02	.6486-02	.9500	.2261-03	.2951-03	.3424-01	.2807	557.2
455	5.5650	26.038	2323.0	.4493-02	.5841-02	.5841-02	.9500	.2044-03	.2657-03	.3140-01	.2399	555.1

IH102 60-OTS AFT FUSELAGE AND ELEVON SPLIT LINE (R4WI50)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
516	1.032	4.020	.1000-01	.3491-05	16.97	708.7	67.5	.1088	1.231	2550.	.1754-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
516	.2462-01	.2287-01

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
516	4.6920	24.576	2341.0	.8640-02	.1073-01	.1073-01	.9500	.2127-03	.2642-03	.3862-01	.2892	527.1
516	4.6920	24.913	2342.0	.6556-02	.8155-02	.8155-02	9500	.1614-03	.2007-03	.2916-01	.2047	528.0
516	4.7220	25.475	2343.0	.2398-01	.3003-01	.3003-01	9500	.5904-03	.7391-03	.1040	.7515	532.6
516	4.7590	26.038	2344.0	.2623-01	.3292-01	.3292-01	9500	.6456-03	.8102-03	.1126	.8133	534.2
516	4.9020	24.576	2336.0	.1170-01	.1455-01	.1455-01	9500	.2880-03	.3582-03	.5204-01	.3896	527.9
516	4.9020	24.913	2337.0	.1067-01	.1332-01	.1332-01	9500	.2626-03	.3278-03	.4674-01	.3382	530.7
516	4.9020	25.575	2338.0	.2076-01	.2610-01	.2610-01	9500	.5111-03	.6426-03	.8851-01	.7073	535.5
516	4.9020	26.138	2339.0	.1992-01	.2511-01	.2511-01	9500	.4903-03	.6180-03	.8407-01	.7229	537.2

IH102 60-OTS AFT FUSELAGE AND ELEVON SPLIT LINE (R4W150)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
446	3.515	4.020	.6000-02	.2094-05	57.93	709.7	167.7	.3715	4.202	2552.	.5979-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
446	.4549-01	.1239-01

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
446	4.6920	24.576	2341.0	.6400-02	.8094-02	.8094-02	.9500	.2912-03	.3682-03	.4938-01	.3674	540.1
446	4.6920	24.913	2342.0	.3669-02	.4651-02	.4651-02	.9500	.1669-03	.2116-03	.2803-01	.1954	541.7
446	4.7220	25.475	2343.0	.1482-01	.1894-01	.1894-01	.9500	.6741-03	.8616-03	.1099	.7891	546.6
446	4.7590	26.038	2344.0	.2253-01	.2881-01	.2881-01	.9500	.1025-02	.1311-02	.1669	1.198	546.9
446	4.9020	24.576	2336.0	.1310-01	.1649-01	.1649-01	.9500	.5958-03	.7504-03	.1027	.7650	537.4
446	4.9020	24.913	2337.0	.1295-01	.1643-01	.1643-01	.9500	.5889-03	.7473-03	.9861-01	.7093	542.2
446	4.9020	25.575	2338.0	.2066-01	.2640-01	.2640-01	.9500	.9399-03	.1201-02	.1534	1.219	546.4
446	4.9020	26.138	2339.0	.2328-01	.2984-01	.2984-01	.9500	.1059-02	.1358-02	.1707	1.460	548.4
446	5.5650	24.576	2320.0	.7918-02	.1001-01	.1001-01	.9500	.3602-03	.4555-03	.6110-01	.4624	540.0
446	5.5650	25.476	2322.0	.6956-02	.8906-02	.8906-02	.9500	.3164-03	.4052-03	.5129-01	.4224	547.6
446	5.5650	26.038	2323.0	.5225-02	.6670-02	.6670-02	.9500	.2377-03	.3034-03	.3895-01	.2989	545.8

IH102 60-OTS AFT FUSELAGE AND ELEVON SPLIT LINE (R4WI51)

AFT FUSE,ELEVON

PARAMETRIC DATA

MACH = 4.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
449	3.512	4.020	4.956	.3456-02	57.88	709.7	167.7	.3712	4.199	2552.	.5975-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
449	.4548-01	.1239-01

TEST DATA

RUN NUMBER	ZO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
449	4.6920	24.576	2341.0	.1316-01	.1667-01	.1667-01	.9500	.5984-03	.7581-03	.1008	.7496	541.2
449	4.6920	24.913	2342.0	.1259-01	.1603-01	.1603-01	.9500	.5725-03	.7288-03	.9469-01	.6591	544.3
449	4.7220	25.475	2343.0	.1979-01	.2543-01	.2543-01	.9500	.9002-03	.1156-02	.1442	1.033	549.5
449	4.7590	26.038	2344.0	.1998-01	.2565-01	.2565-01	.9500	.9085-03	.1166-02	.1459	1.046	549.1
449	4.9020	24.576	2336.0	.1482-01	.1864-01	.1864-01	.9500	.6739-03	.8478-03	.1166	.8690	536.7
449	4.9020	24.913	2337.0	.1011-01	.1280-01	.1280-01	.9500	.4597-03	.5819-03	.7762-01	.5587	540.8
449	4.9020	25.575	2338.0	.1869-01	.2414-01	.2414-01	.9500	.8592-03	.1098-02	.1402	1.114	546.5
449	4.9020	26.138	2339.0	.1630-01	.2091-01	.2091-01	.9500	.7413-03	.9508-03	.1194	1.020	548.7
449	5.5650	24.576	2320.0	.2216-02	.2785-02	.2785-02	.9500	.1008-03	.1267-03	.1751-01	.1328	535.9
449	5.5650	25.476	2322.0	.2781-02	.3554-02	.3554-02	.9500	.1265-03	.1616-03	.2063-01	.1700	546.5
449	5.5650	26.038	2323.0	.2271-02	.2897-02	.2897-02	.9500	.1033-03	.1317-03	.1696-01	.1302	545.5

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
546	3.522	3.010	-39.98	-.4861-02	33.94	708.7	352.0	.9102	5.773	2342.	.9748-02	.2015-06
547	3.518	3.010	-40.01	.0000	33.91	708.7	352.0	.9094	5.768	2342.	.9740-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
546	.5327-01	.9695-02
547	.5324-01	.9699-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
546	1.9880	10.859	2249.0	.2949-01	.3927-01	.3927-01	.9500	.1571-02	.2092-02	.2236	1.642	566.4
546	1.9880	11.983	2250.0	.4947-01	.6614-01	.6614-01	.9500	.2635-02	.3523-02	.3706	2.913	568.1
546	1.9880	13.107	2251.0	.7574-01	.9883-01	.9883-01	.9500	.4034-02	.5265-02	.6117	4.513	557.0
546	1.9880	14.195	2252.0	.6305-01	.8322-01	.8322-01	.9500	.3358-02	.4433-02	.4910	4.926	562.5
546	2.0470	22.330	2255.0	.7038-01	.9209-01	.9209-01	.9500	.3749-02	.4905-02	.5635	4.290	558.4
546	2.0490	19.941	2254.0	.2062-01	.2641-01	.2641-01	.9500	.1098-02	.1407-02	.1775	2.193	547.1
546	2.4590	14.195	2256.0	.1290	.1824	.1824	.9500	.6872-02	.9717-02	.8315	9.063	587.7
546	2.4590	15.535	2257.0	.7395-01	.9799-01	.9799-01	.9500	.3939-02	.5220-02	.5689	4.647	564.2
546	2.4590	18.215	2259.0	.2551-02	.3317-02	.3317-02	.9500	.1359-03	.1767-03	.2084-01	.2885	555.3
546	2.4590	19.555	2260.0	.9869-01	.1280	.1280	.9500	.5257-02	.6819-02	.8130	6.436	554.0
547	2.4590	20.895	2261.0	.8589-01	.1153	.1153	.9500	.4573-02	.6138-02	.6356	5.591	569.7
547	2.4590	22.235	2262.0	.1345	.1803	.1803	.9500	.7163-02	.9602-02	.9991	7.326	569.2
547	2.4590	23.576	2263.0	.1343	.1789	.1789	.9500	.7150-02	.9525-02	1.016	7.717	566.6

IH102 60-0 UPPER RH WING (R4WJ22)

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
528	3.504	3.010	-14.45	.0000	33.84	709.7	252.4	.9075	5.756	2344.	.9706-02	.2018-06
529	3.505	3.010	-14.45	-.4991-02	33.85	709.7	252.4	.9077	5.757	2344.	.9707-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
528	.5320-01	.9718-02
529	.5321-01	.9717-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
528	1.9700	17.545	2253.0	.1044-01	.1318-01	.1318-01	.9500	.5556-03	.7010-03	.9508-01	.8170	538.5
528	1.9880	10.859	2249.0	.1903-01	.2462-01	.2462-01	.9500	.1012-02	.1310-02	.1580	1.168	553.5
528	1.9880	11.983	2250.0	.2246-01	.2911-01	.2911-01	.9500	.1195-02	.1549-02	.1854	1.468	554.5
528	1.9880	13.107	2251.0	.2963-01	.3774-01	.3774-01	.9500	.1577-02	.2008-02	.2604	1.933	544.5
528	1.9880	14.195	2252.0	.2014-01	.2592-01	.2592-01	.9500	.1072-02	.1379-02	.1706	1.722	550.5
528	2.0470	22.330	2255.0	.1302-01	.1647-01	.1647-01	.9500	.5929-03	.8763-03	.1175	.9044	540.1
528	2.0490	19.941	2254.0	.9778-02	.1240-01	.1240-01	.9500	.5202-03	.6596-03	.8734-01	1.082	541.8
528	2.4590	14.195	2256.0	.3079-01	.4040-01	.4040-01	.9500	.1638-02	.2149-02	.2445	2.701	560.4
528	2.4590	15.535	2257.0	.2435-01	.3113-01	.3113-01	.9500	.1295-02	.1656-02	.2109	1.738	546.9
528	2.4590	16.875	2258.0	.1444-01	.1920-01	.1920-01	.9500	.7680-03	.1021-02	.1098	1.210	566.7
528	2.4590	18.215	2259.0	.1298-01	.1714-01	.1714-01	.9500	.6904-03	.9117-03	.1009	1.392	563.5
528	2.4590	19.555	2260.0	.2027-01	.2615-01	.2615-01	.9500	.1079-02	.1391-02	.1704	1.350	551.7
529	2.4590	20.895	2261.0	.1370-01	.1755-01	.1755-01	.9500	.7290-03	.9336-03	.1180	1.050	547.7
529	2.4590	22.235	2262.0	.1839-01	.2337-01	.2337-01	.9500	.9783-03	.1243-02	.1628	1.210	543.2
529	2.4590	23.576	2263.0	.1747-01	.2216-01	.2216-01	.9500	.9295-03	.1179-02	.1557	1.197	542.1

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPOBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
525	3.506	3.010	.1033-01	-14.48	33.86	709.7	252.4	.9080	5.759	2344.	.9711-02	.2018-06
526	3.506	3.010	.5162-02	-14.47	33.86	709.7	252.4	.9082	5.760	2344.	.9713-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
525	.5322-01	.9715-02
526	.5322-01	.9714-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
525	1.9700	17.545	2253.0	.3453-02	.4265-02	.4265-02	.9500	.1837-03	.2269-03	.3424-01	.2965	523.3
525	1.9880	11.983	2250.0	.2100-02	.2584-02	.2584-02	.9500	.1118-03	.1375-03	.2118-01	.1705	520.2
525	1.9880	13.107	2251.0	.6755-02	.8310-02	.8310-02	.9500	.3595-03	.4423-03	.6815-01	.5123	520.1
525	1.9880	14.195	2252.0	.6782-02	.8418-02	.8418-02	.9500	.3609-03	.4480-03	.6589-01	.6730	527.1
525	2.0470	22.330	2255.0	.5595-02	.6958-02	.6958-02	.9500	.2978-03	.3703-03	.5396-01	.4178	528.5
525	2.0490	19.941	2254.0	.4260-02	.5290-02	.5290-02	.9500	.2267-03	.2815-03	.4129-01	.5153	527.5
525	2.4590	14.195	2256.0	.1235-01	.1553-01	.1553-01	.9500	.6574-03	.8263-03	.1141	1.276	536.1
525	2.4590	15.535	2257.0	.8946-02	.1114-01	.1114-01	.9500	.4761-03	.5927-03	.8582-01	.7134	529.4
525	2.4590	16.875	2258.0	.8678-02	.1099-01	.1099-01	.9500	.4618-03	.5846-03	.7801-01	.8704	540.8
525	2.4590	18.215	2259.0	.8118-02	.1025-01	.1025-01	.9500	.4320-03	.5452-03	.7380-01	1.030	538.8
525	2.4590	19.555	2260.0	.7497-02	.9369-02	.9369-02	.9500	.3990-03	.4986-03	.7083-01	.5670	532.1
526	2.4590	20.895	2261.0	.5455-02	.6819-02	.6819-02	.9500	.2903-03	.3629-03	.5151-01	.4618	532.2
526	2.4590	22.235	2262.0	.8784-02	.1095-01	.1095-01	.9500	.4675-03	.5830-03	.8375-01	.6262	530.5
526	2.4590	23.576	2263.0	.6955-02	.8661-02	.8661-02	.9500	.3702-03	.4610-03	.6669-01	.5161	529.5

IH102 60-0 UPPER RH WING (R4WJ24)

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
531	1.090	3.010	.1400-01	.4887-05	10.14	691.7	246.0	.2719	1.725	2314.	.2984-02	.1970-06
532	1.053	3.010	.2400-01	.1676-04	9.877	695.7	247.4	.2649	1.680	2321.	.2890-02	.1981-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
531	.2899-01	.1746-01
532	.2864-01	.1776-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
531	1.9880	10.859	2249.0	.1701-01	.2143-01	.2143-01	3500	.4930-03	.6211-03	.8267-01	.6202	524.0
531	1.9880	11.983	2250.0	.1266-01	.1589-01	.1589-01	9500	.3670-03	.4608-03	.6235-01	.5017	521.8
531	1.9880	13.107	2251.0	.7297-02	.9113-02	.9113-02	9500	.2115-03	.2642-03	.3671-01	.2763	518.1
531	2.4590	14.195	2256.0	.1415-01	.1785-01	.1785-01	9500	.4102-03	.5176-03	.6838-01	.7691	525.0
531	2.4590	15.535	2257.0	.6622-02	.8297-02	.8297-02	9500	.1920-03	.2405-03	.3289-01	.2747	520.3
532	2.4590	23.576	2263.0	.4812-02	.5985-02	.5985-02	9500	.1378-03	.1714-03	.2445-01	.1903	518.3

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
522	3.508	3.010	.3200-01	.8936-04	33.88	709.7	252.4	.9085	5.762	2344.	.9716-02	.2018-06
523	3.503	3.010	.4800-01	.1005-03	33.83	709.7	252.4	.9074	5.755	2344.	.9704-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
522	.5323-01	.9713-02
523	.5320-01	.9719-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
522	1.9700	17.545	2253.0	.3774-02	.4700-02	.4700-02	.9500	.2009-03	.2502-03	.3616-01	.3121	529.7
522	1.9880	10.859	2249.0	.1550-01	.1967-01	.1967-01	.9500	.8249-03	.1047-02	.1380	1.026	542.4
522	1.9880	11.983	2250.0	.1467-01	.1848-01	.1848-01	.9500	.7810-03	.9840-03	.1343	1.072	537.7
522	1.9880	13.107	2251.0	.9990-02	.1243-01	.1243-01	.9500	.5318-03	.6616-03	.9613-01	.7193	528.9
522	2.0470	22.330	2255.0	.7362-02	.9201-02	.9201-02	.9500	.3919-03	.4898-03	.6960-01	.5379	532.1
522	2.0490	19.941	2254.0	.4311-02	.5416-02	.5416-02	.9500	.2295-03	.2883-03	.3992-01	.4961	535.7
522	2.4590	14.195	2256.0	.1296-01	.1628-01	.1628-01	.9500	.6897-03	.8665-03	.1199	1.342	535.8
522	2.4590	15.535	2257.0	.6914-02	.8580-02	.8580-02	.9500	.3680-03	.4567-03	.6723-01	.5596	527.0
522	2.4590	19.555	2260.0	.2957-02	.3708-02	.3708-02	.9500	.1574-03	.1974-03	.2756-01	.2203	534.6
523	2.4590	20.895	2261.0	.5010-02	.6336-02	.6336-02	.9500	.2665-03	.3371-03	.4518-01	.4035	540.1
523	2.4590	22.235	2262.0	.1022-01	.1287-01	.1287-01	.9500	.5435-03	.6847-03	.9351-01	.6967	537.6
523	2.4590	23.576	2263.0	.1133-01	.1423-01	.1423-01	.9500	.6026-03	.7571-03	.1048	.8087	535.7

IH102 60-0 UPPER RH WING (R4WJ25)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
553	2.006	4.020	-39.96	-.2422-02	33.00	708.7	167.5	.2116	2.394	2550.	.3411-02	.1347-06
554	2.005	4.020	-40.03	-.2446-02	32.98	708.7	167.5	.2115	2.393	2550.	.3409-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
553	.3433-01	.1640-01
554	.3432-01	.1640-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
553	1.9700	17.545	2253.0	.6748-02	.8365-02	.8365-02	.9500	.2316-03	.2872-03	.4245-01	.3672	525.4
553	1.9880	10.859	2249.0	.8626-03	.1091-02	.1091-02	.9500	.2961-04	.3746-04	.5004-02	.3724-01	539.7
553	1.9880	11.983	2250.0	.5242-01	.6632-01	.6632-01	.9500	.1799-02	.2276-02	.3043	2.426	539.6
553	1.9880	13.107	2251.0	.8445-01	.1060	.1060	.9500	.2899-02	.3639-02	.5052	3.770	534.4
553	1.9880	14.195	2252.0	.5425-01	.6827-01	.6827-01	.9500	.1862-02	.2343-02	.3213	3.267	536.1
553	2.0470	22.330	2255.0	.8946-01	.1130	.1130	.9500	.3071-02	.3881-02	.5214	4.016	538.9
553	2.0490	19.941	2254.0	.4234-01	.5281-01	.5281-01	.9500	.1453-02	.1813-02	.2598	3.239	529.9
553	2.4590	14.195	2256.0	.1407	.1812	.1812	.9500	.4831-02	.6219-02	.7670	8.519	549.9
553	2.4590	15.535	2257.0	.8810-01	.1112	.1112	.9500	.3024-02	.3816-02	.5164	4.274	537.9
553	2.4590	16.875	2258.0	.2363-01	.2998-01	.2998-01	.9500	.8111-03	.1029-02	.1357	1.513	541.4
553	2.4590	18.215	2259.0	.6139-02	.7737-02	.7737-02	.9500	.2107-03	.2656-03	.3615-01	.5052	537.1
553	2.4590	19.555	2260.0	.7898-01	.9926-01	.9926-01	.9500	.2711-02	.3407-02	.4702	3.758	535.2
554	2.4590	20.895	2261.0	.7056-01	.8931-01	.8931-01	.9500	.2421-02	.3065-02	.4085	3.648	540.0
554	2.4590	22.235	2262.0	.9317-01	.1179	.1179	.9500	.3197-02	.4047-02	.5398	4.017	539.8
554	2.4590	23.576	2263.0	.9929-01	.1259	.1259	.9500	.3407-02	.4321-02	.5713	4.396	541.0

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
550	3.514	4.020	-39.96	.0000	57.91	709.7	167.7	.3714	4.201	2552.	.5978-02	.1349-06
551	3.510	4.020	-39.97	.0000	57.86	709.7	167.7	.3710	4.197	2552.	.5972-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
550	.4549-01	.1239-01
551	.4546-01	.1240-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
550	1.9700	17.545	2253.0	.2018-01	.2537-01	.2537-01	.9500	.9178-03	.1154-02	.1591	1.368	536.3
550	1.9880	10.859	2249.0	.5526-01	.7188-01	.7188-01	.9500	.2513-02	.3269-02	.3857	2.847	556.2
550	1.9880	11.983	2250.0	.6738-01	.8751-01	.8751-01	.9500	.3065-02	.3980-02	.4727	3.739	555.4
550	1.9880	13.107	2251.0	.9290-01	.1188	.1188	.9500	.4226-02	.5402-02	.6886	5.106	546.7
550	1.9880	14.195	2252.0	.5969-01	.7623-01	.7623-01	.9500	.2715-02	.3467-02	.4441	4.493	546.1
550	2.0470	22.330	2255.0	.7047-01	.9088-01	.9088-01	.9500	.3205-02	.4134-02	.5065	3.876	551.7
550	2.0490	19.941	2254.0	.4199-01	.5338-01	.5338-01	.9500	.1910-02	.2428-02	.3174	3.929	543.5
550	2.4590	14.195	2256.0	.1011	.1343	.1343	.9500	.4600-02	.6110-02	.6606	7.278	566.1
550	2.4590	15.535	2257.0	.8654-01	.1119	.1119	.9500	.3936-02	.5088-02	.6173	5.071	552.9
550	2.4590	16.875	2258.0	.4970-01	.6468-01	.6468-01	.9500	.2261-02	.2942-02	.3462	3.833	556.5
550	2.4590	18.215	2259.0	.1714-01	.2199-01	.2199-01	.9500	.7797-03	.1000-02	.1255	1.744	548.7
550	2.4590	19.555	2260.0	.8525-01	.1096	.1096	.9500	.3878-02	.4985-02	.6194	4.914	549.9
551	2.4590	20.895	2261.0	.7256-01	.9451-01	.9451-01	.9500	.3299-02	.4297-02	.5041	4.463	556.9
551	2.4590	22.235	2262.0	.9659-01	.1254	.1254	.9500	.4391-02	.5703-02	.6776	5.003	555.4
551	2.4590	23.576	2263.0	.9607-01	.1248	.1248	.9500	.4368-02	.5676-02	.6725	5.136	555.7

IH102 60-0 UPPER RH WING (R4WJ26)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = -30.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
549	3.467	4.020	-29.98	.3163-02	57.99	716.7	169.3	.3719	4.207	2564.	.5928-02	.1363-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
549	.4560-01	.1246-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
549	1.9880	10.859	2249.0	.7075-01	.9142-01	.9142-0	.9500	.3226-02	.4169-02	.5113	3.770	558.2
549	1.9880	11.983	2250.0	.4666-01	.5981-01	.5981-0	.9500	.2127-02	.2727-02	.3467	2.745	553.7
549	1.9880	13.107	2251.0	.2657-01	.3363-01	.3363-0	.9500	.1211-02	.1534-02	.2066	1.533	546.1
549	1.9880	14.195	2252.0	.1671-01	.2147-01	.2147-0	.9500	.7620-03	.9791-03	.1232	1.240	555.1
549	2.0470	22.330	2255.0	.1322	.1687	.1687	.9500	.6027-02	.7694-02	.9963	7.625	551.4
549	2.0490	19.941	2254.0	.8542-02	.1076-01	.1076-0	.9500	.3895-03	.4907-03	.6767-01	.8380	542.9
549	2.4590	14.195	2256.0	.8624-01	.1134	.1134	.9500	.3932-02	.5173-02	.5876	6.469	567.2
549	2.4590	15.535	2257.0	.5510-01	.7083-01	.7083-0	.9500	.2512-02	.3230-02	.4053	3.325	555.3
549	2.4590	16.875	2258.0	.2010-02	.2637-02	.2637-02	.9500	.9164-04	.1203-03	.1380-01	.1520	566.1
549	2.4590	18.215	2259.0	.1248-01	.1617-01	.1617-0	.9500	.5691-03	.7373-03	.8938-01	1.235	559.6
549	2.4590	19.555	2260.0	.1397-01	.1784-01	.1784-0	.9500	.6370-03	.8132-03	.1053	.8348	551.4

IH102 60-0 UPPER RH WING (R4WJ27)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.030 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
540	3.514	4.020	-14.45	.0000	57.92	709.7	167.7	.3714	4.202	2552.	.5979-02	.1349-06
541	3.513	4.020	-14.45	-.9979-02	57.90	709.7	167.7	.3713	4.200	2552.	.5976-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
540	.4549-01	.1239-01
541	.4548-01	.1239-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
540	1.9700	17.545	2253.0	.1004-01	.1242-01	.1242-01	.9500	.4567-03	.5651-03	.8447-01	.7310	524.7
540	1.9880	10.859	2249.0	.1078-01	.1360-01	.1360-01	.9500	.4904-03	.6188-03	.8390-01	.6248	538.6
540	1.9880	11.983	2250.0	.2488-01	.3144-01	.3144-01	.9500	.1132-02	.1430-02	.1926	1.536	539.5
540	1.9880	13.107	2251.0	.2838-01	.3528-01	.3528-01	.9500	.1291-02	.1605-02	.2341	1.753	528.3
540	1.9880	14.195	2252.0	.1511-01	.1871-01	.1871-01	.9500	.6875-03	.8512-03	.1269	1.297	525.1
540	2.0470	22.330	2255.0	.1179-01	.1459-01	.1459-01	.9500	.5363-03	.6635-03	.9923-01	.7698	524.6
540	2.0490	19.941	2254.0	.8290-02	.1029-01	.1029-01	.9500	.3771-03	.4682-03	.6882-01	.8591	527.2
540	2.4590	14.195	2256.0	.2273-01	.2847-01	.2847-01	.9500	.1034-02	.1295-02	.1820	2.038	533.7
540	2.4590	15.535	2257.0	.1471-01	.1817-01	.1817-01	.9500	.6691-03	.8265-03	.1247	1.040	523.4
540	2.4590	16.875	2258.0	.1783-01	.2264-01	.2264-01	.9500	.8112-03	.1030-02	.1356	1.512	542.5
540	2.4590	18.215	2259.0	.1675-01	.2135-01	.2135-01	.9500	.7618-03	.9712-03	.1253	1.744	545.1
540	2.4590	19.555	2260.0	.1955-01	.2447-01	.2447-01	.9500	.8893-03	.1113-02	.1569	1.255	533.3
541	2.4590	20.895	2261.0	.9890-02	.1228-01	.1228-01	.9500	.4498-03	.5586-03	.8191-01	.7360	527.6
541	2.4590	22.235	2262.0	.1390-01	.1722-01	.1722-01	.9500	.6320-03	.7831-03	.1162	.8711	525.8
541	2.4590	23.576	2263.0	.1143-01	.1412-01	.1412-01	.9500	.5197-03	.6423-03	.9664-01	.7501	523.7

IH102 60-0 UPPER RH WING (R4WJ29)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BOFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
534	3.517	4.020	.2000-01	.1396-04	57.96	709.7	167.7	.3717	4.205	2552.	.5983-02	.1349-06
535	3.519	4.020	.1200-01	.8378-05	58.00	709.7	167.7	.3720	4.208	2552.	.5987-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
534	.4551-01	.1239-01
535	.4552-01	.1238-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
534	1.9700	17.545	2253.0	.2235-02	.2746-02	.2746-02	.9500	.1017-03	.1250-03	.1937-01	.1681	519.2
534	1.9880	10.859	2249.0	.1153-01	.1435-01	.1435-01	.9500	.5248-03	.6530-03	.9482-01	.7095	529.0
534	1.9880	11.983	2250.0	.9290-02	.1151-01	.1151-01	.9500	.4228-03	.5238-03	.7779-01	.6247	525.7
534	1.9880	13.107	2251.0	.7516-02	.9250-02	.9250-02	.9500	.3420-03	.4209-03	.6474-01	.4865	520.4
534	1.9880	14.195	2252.0	.2781-02	.3428-02	.3428-02	.9500	.1266-03	.1560-03	.2380-01	.2438	521.6
534	2.0470	22.330	2255.0	.2908-02	.3591-02	.3591-02	.9500	.1324-03	.1634-03	.2471-01	.1919	523.0
534	2.0490	19.941	2254.0	.7942-03	.9769-03	.9769-03	.9500	.3614-04	.4445-04	.6859-02	.8595-01	519.9
534	2.4590	14.195	2256.0	.1003-01	.1247-01	.1247-01	.9500	.4563-03	.5676-03	.8257-01	.9269	528.7
534	2.4590	15.535	2257.0	.5904-02	.7275-02	.7275-02	.9500	.2687-03	.3311-03	.5057-01	.4221	521.4
534	2.4590	16.875	2258.0	.1067-02	.1315-02	.1315-02	.9500	.4858-04	.5985-04	.9154-02	.1032	521.2
534	2.4590	19.555	2260.0	.1281-02	.1575-02	.1575-02	.9500	.5831-04	.7168-04	.1109-01	.8935-01	519.5
535	2.4590	20.895	2261.0	.1011-02	.1243-02	.1243-02	.9500	.4602-04	.5660-04	.8736-02	.7881-01	519.8
535	2.4590	22.235	2262.0	.5372-02	.6637-02	.6637-02	.9500	.2445-03	.3021-03	.4551-01	.3415	523.6
535	2.4590	23.576	2263.0	.7329-02	.9050-02	.9050-02	.9500	.3337-03	.4120-03	.6227-01	.4835	523.0

IH102 60-OTS UPPER RH WING (R4WJ30)

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
489	3.533	3.010	-5.022	-11.00	34.12	709.7	252.4	.9151	5.804	2344.	.9787-02	.2018-06
490	3.503	3.010	-5.021	-11.00	33.83	709.7	252.4	.9073	5.754	2344.	.9703-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
489	.5343-01	.9677-02
490	.5320-01	.9719-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
489	1.9700	17.545	2253.0	.4125-02	.5281-02	.5281-02	.9500	.2204-03	.2822-03	.3571-01	.3054	547.6
489	1.9880	10.859	2249.0	.4039-02	.5100-02	.5100-02	.9500	.2158-03	.2725-03	.3680-01	.2740	539.1
489	1.9880	11.383	2250.0	.1083-01	.1394-01	.1394-01	.9500	.5783-03	.7447-03	.9186-01	.7283	550.8
489	1.9880	13.107	2251.0	.1139-01	.1461-01	.1461-01	.9500	.6083-03	.7807-03	.9772-01	.7238	549.0
489	1.9880	14.195	2252.0	.1008-01	.1299-01	.1299-01	.9500	.5383-03	.6942-03	.8506-01	.8581	551.7
489	2.0470	22.330	2255.0	.5711-02	.7315-02	.7315-02	.9500	.3051-03	.3908-03	.4938-01	.3786	547.8
489	2.0490	19.941	2254.0	.3758-02	.4813-02	.4813-02	.9500	.2008-03	.2572-03	.3248-01	.4013	547.9
489	2.4590	14.195	2256.0	.1848-01	.2409-01	.2409-01	.9500	.9874-03	.1287-02	.1505	1.665	557.3
489	2.4590	15.535	2257.0	.1363-01	.1755-01	.1755-01	.9500	.7283-03	.9376-03	.1158	.9520	550.7
489	2.4590	16.875	2258.0	.7633-02	.9906-02	.9906-02	.9500	.4078-03	.5292-03	.6305-01	.6985	555.0
489	2.4590	18.215	2259.0	.9376-02	.1225-01	.1225-01	.9500	.5009-03	.6545-03	.7576-01	1.047	558.4
489	2.4590	19.555	2260.0	.1027-01	.1325-01	.1325-01	.9500	.5484-03	.7081-03	.8630-01	.6838	552.3
490	2.4590	20.895	2261.0	.4117-02	.5326-02	.5326-02	.9500	.2190-03	.2833-03	.3423-01	.3036	553.4
490	2.4590	22.235	2262.0	.6926-02	.8953-02	.8953-02	.9500	.3685-03	.4763-03	.5776-01	.4270	552.9
490	2.4590	23.576	2263.0	.2896-02	.3735-02	.3735-02	.9500	.1540-03	.1987-03	.2431-01	.1860	551.8

IH102 60-0TS UPPER RH WING (R4WJ31)

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
500	1.041	3.010	-4.952	-5.935	9.708	692.7	246.3	.2603	1.651	2316.	.2853-02	.1972-06
501	1.037	3.010	-5.026	-6.020	9.672	692.7	246.3	.2594	1.645	2316.	.2842-02	.1972-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
500	.2837-01	.1786-01
501	.2832-01	.1790-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
500	1.9700	17.545	2253.0	.1703-02	.2132-02	.2132-02	.9500	.4831-04	.6050-04	.8308-02	.7204-01	520.7
500	1.9880	10.859	2249.0	.1070-01	.1346-01	.1346-01	.9500	.3036-03	.3819-03	.5125-01	.3845	523.8
500	1.9880	11.983	2250.0	.1036-01	.1305-01	.1305-01	.9500	.2939-03	.3702-03	.4940-01	.3969	524.6
500	1.9880	13.107	2251.0	.6877-02	.8607-02	.8607-02	.9500	.1951-03	.2442-03	.3362-01	.2527	520.4
500	1.9880	14.195	2252.0	.5004-02	.6265-02	.6265-02	.9500	.1420-03	.1778-03	.2444-01	.2505	520.5
500	2.0490	19.941	2254.0	.1133-02	.1425-02	.1425-02	.9500	.3216-04	.4043-04	.5442-02	.6806-01	523.4
500	2.4590	14.195	2256.0	.1090-01	.1375-01	.1375-01	.9500	.3091-03	.3901-03	.5159-01	.5801	525.8
500	2.4590	15.535	2257.0	.4309-02	.5407-02	.5407-02	.9500	.1223-03	.1534-03	.2086-01	.1740	522.1
500	2.4590	18.215	2259.0	.1028-02	.1300-02	.1300-02	.9500	.2916-04	.3688-04	.4823-02	.6773-01	527.3
500	2.4590	19.555	2260.0	.2033-02	.2559-02	.2559-02	.9500	.5768-04	.7262-04	.9708-02	.7801-01	524.4

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
482	3.539	3.010	-5.006	-5.979	34.11	708.7	252.0	.9147	5.801	2342.	.9796-02	.2015-06
483	3.541	3.010	-4.988	-5.949	34.12	708.7	252.0	.9151	5.804	2342.	.9801-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
482	.5340-01	.9671-02
483	.5341-01	.9668-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
482	1.9700	17.545	2253.0	.4268-02	.5425-02	.5425-02	.9500	.2279-03	.2897-03	.3786-01	.3247	542.5
482	1.9880	10.859	2249.0	.1679-01	.2166-01	.2166-01	.9500	.8967-03	.1156-02	.1415	1.047	550.9
482	1.9880	11.983	2250.0	.1426-01	.1843-01	.1843-01	.9500	.7612-03	.9842-03	.1191	.9434	552.3
482	1.9880	13.107	2251.0	.1289-01	.1652-01	.1652-01	.9500	.6886-03	.8822-03	.1112	.8241	547.2
482	1.9880	14.195	2252.0	.9183-02	.1184-01	.1184-01	.9500	.4904-03	.6323-03	.7742-01	.7813	550.8
482	2.0470	22.330	2255.0	.4961-02	.6334-02	.6334-02	.9500	.2649-03	.3382-03	.4333-01	.3326	545.1
482	2.0490	19.941	2254.0	.3171-02	.4046-02	.4046-02	.9500	.1693-03	.2160-03	.2773-01	.3430	544.9
482	2.4590	14.195	2256.0	.1595-01	.2068-01	.2068-01	.9500	.8519-03	.1104-02	.1321	1.465	553.6
482	2.4590	15.535	2257.0	.1068-01	.1369-01	.1369-01	.9500	.5701-03	.7308-03	.9191-01	.7570	547.5
482	2.4590	16.875	2258.0	.4612-02	.5953-02	.5953-02	.9500	.2463-03	.3179-03	.3876-01	.4302	551.3
482	2.4590	18.215	2259.0	.4151-02	.5353-02	.5353-02	.9500	.2217-03	.2858-03	.3499-01	.4856	550.8
482	2.4590	19.555	2260.0	.8042-02	.1030-01	.1030-01	.9500	.4294-03	.5502-03	.6931-01	.5506	547.3
483	2.4590	20.895	2261.0	.4832-02	.6196-02	.6196-02	.9500	.2581-03	.3310-03	.4152-01	.3693	547.8
483	2.4590	22.235	2262.0	.7101-02	.9093-02	.9093-02	.9500	.3793-03	.4857-03	.6137-01	.4551	546.9
483	2.4590	23.576	2263.0	.6275-02	.8037-02	.8037-02	.9500	.3352-03	.4293-03	.5417-01	.4155	547.0

IH102 60-0TS UPPER RH WING (R4WJ32)

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
497	1.030	3.010	-4.938	-.1722-02	9.684	696.7	247.7	.2597	1.647	2323.	.2829-02	.1983-06
498	1.036	3.010	-4.926	-.1717-02	9.697	694.7	247.0	.2601	1.649	2319.	.2841-02	.1978-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
497	.2837-01	.1795-01
498	.2837-01	.1791-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
497	1.9700	17.545	2253.0	.1964-02	.2464-02	.2464-02	.9500	.5571-04	.6988-04	.9569-02	.8280-01	524.9
497	1.9880	10.859	2249.0	.1924-01	.2436-01	.2436-01	.9500	.5458-03	.6909-03	.9056-01	.6770	530.8
497	1.9880	11.983	2250.0	.1925-01	.2441-01	.2441-01	.9500	.5461-03	.6923-03	.9005-01	.7210	531.8
497	1.9880	13.107	2251.0	.1677-01	.2110-01	.2110-01	.9500	.4756-03	.5986-03	.8062-01	.6038	527.2
497	1.9880	14.195	2252.0	.1085-01	.1367-01	.1367-01	.9500	.3078-03	.3879-03	.5196-01	.5305	527.9
497	2.0470	22.330	2255.0	.2480-02	.3108-02	.3108-02	.9500	.7034-04	.8816-04	.1213-01	.9410-01	524.3
497	2.0490	19.941	2254.0	.9854-03	.1239-02	.1239-02	.9500	.2795-04	.3515-04	.4756-02	.5939-01	526.5
497	2.4590	14.195	2256.0	.1902-01	.2416-01	.2416-01	.9500	.5395-03	.6853-03	.8830-01	.9891	533.0
497	2.4590	15.535	2257.0	.1182-01	.1491-01	.1491-01	.9500	.3353-03	.4229-03	.5637-01	.4688	528.6
497	2.4590	16.875	2258.0	.4421-02	.5616-02	.5616-02	.9500	.1254-03	.1593-03	.2053-01	.2300	533.0
497	2.4590	18.215	2259.0	.4165-02	.5286-02	.5286-02	.9500	.1182-03	.1499-03	.1942-01	.2720	532.3
497	2.4590	19.555	2260.0	.3316-02	.4175-02	.4175-02	.9500	.9405-04	.1184-03	.1592-01	.1278	527.4
498	2.4590	23.576	2263.0	.3689-02	.4605-02	.4605-02	.9500	.1047-03	.1306-03	.1828-01	.1422	520.0

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
471	3.510	3.010	-4.930	.0000	33.90	709.7	252.4	.9090	5.765	2344.	.9722-02	.2018-06
472	3.513	3.010	-4.930	-.1719-02	33.93	709.7	252.4	.9098	5.770	2344.	.9730-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
471	.5325-01	.9710-02
472	.5327-01	.9705-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
471	1.9700	17.545	2253.0	.4047-02	.5160-02	.5160-02	.9500	.2155-03	.2747-03	.3546-01	.3037	545.1
471	1.9880	10.859	2249.0	.3134-01	.4216-01	.4216-01	.9500	.1669-02	.2245-02	.2309	1.691	571.3
471	1.9880	11.983	2250.0	.2781-01	.3718-01	.3718-01	.9500	.1481-02	.1980-02	.2085	1.638	568.9
471	1.9880	13.107	2251.0	.2537-01	.3333-01	.3333-01	.9500	.1351-02	.1775-02	.2008	1.479	561.0
471	1.9880	14.195	2252.0	.1508-01	.1983-01	.1983-01	.9500	.8028-03	.1056-02	.1189	1.193	561.6
471	2.0470	22.330	2255.0	.4177-02	.5343-02	.5343-02	.9500	.2224-03	.2845-03	.3617-01	.2775	547.1
471	2.0490	19.941	2254.0	.3442-02	.4406-02	.4406-02	.9500	.1833-03	.2346-03	.2972-01	.3672	547.5
471	2.4590	14.195	2256.0	.3294-01	.4470-01	.4470-01	.9500	.1754-02	.2380-02	.2367	2.597	574.7
471	2.4590	15.535	2257.0	.2134-01	.2796-01	.2796-01	.9500	.1136-02	.1489-02	.1703	1.394	559.8
471	2.4590	16.875	2258.0	.8107-02	.1071-01	.1071-01	.9500	.4317-03	.5702-03	.6305-01	.6954	563.6
471	2.4590	18.215	2259.0	.5666-02	.7411-02	.7411-02	.9500	.3017-03	.3946-03	.4546-01	.6283	559.0
471	2.4590	19.555	2260.0	.8369-02	.1081-01	.1081-01	.9500	.4456-03	.5754-03	.7011-01	.5555	552.3
472	2.4590	20.895	2261.0	.6068-02	.7804-02	.7804-02	.9500	.3232-03	.4157-03	.5155-01	.4580	550.2
472	2.4590	22.235	2262.0	.9244-02	.1186-01	.1186-01	.9500	.4924-03	.6316-03	.7932-01	.5877	548.6
472	2.4590	23.576	2263.0	.7871-02	.1009-01	.1009-01	.9500	.4193-03	.5373-03	.6772-01	.5192	548.1

IH102 60-OTS UPPER R-H WING (R4WJ33)

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
486	3.516	3.010	-.1548-01	-10.95	33.96	709.7	252.4	.9106	5.775	2344.	.9739-02	.2018-06
488	3.526	3.010	-.2713-01	-10.97	34.05	709.7	252.4	.9132	5.792	2344.	.9766-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
486	.5329-01	.9701-02
488	.5337-01	.9687-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
488	1.9700	17.545	2253.0	.2583-02	.3295-02	.3295-02	.9500	.1378-03	.1759-03	.2261-01	.1936	545.6
488	1.9880	10.859	2249.0	.4759-02	.6001-02	.6001-02	.9500	.2540-03	.3203-03	.4352-01	.3241	538.3
488	1.9880	11.983	2250.0	.8418-02	.1076-01	.1076-01	.9500	.4492-03	.5741-03	.7328-01	.5823	546.5
488	1.9880	13.107	2251.0	.9964-02	.1274-01	.1274-01	.9500	.5318-03	.6799-03	.8658-01	.6420	546.9
488	1.9880	14.195	2252.0	.8773-02	.1129-01	.1129-01	.9500	.4682-03	.6025-03	.7456-01	.7526	550.4
488	2.0470	22.330	2255.0	.4297-02	.5507-02	.5507-02	.9500	.2293-03	.2939-03	.3705-01	.2840	548.1
488	2.0490	19.941	2254.0	.3785-02	.4858-02	.4858-02	.9500	.2020-03	.2593-03	.3244-01	.4004	549.1
488	2.4590	14.195	2256.0	.1393-01	.1804-01	.1804-01	.9500	.7432-03	.9629-03	.1156	1.281	554.1
488	2.4590	15.535	2257.0	.1178-01	.1519-01	.1519-01	.9500	.6285-03	.8108-03	.9919-01	.8152	551.9
488	2.4590	16.875	2258.0	.6514-02	.8464-02	.8464-02	.9500	.3477-03	.4517-03	.5356-01	.5931	555.6
488	2.4590	18.215	2259.0	.4276-02	.5567-02	.5567-02	.9500	.2282-03	.2971-03	.3491-01	.4830	556.7
488	2.4590	19.555	2260.0	.1057-01	.1367-01	.1367-01	.9500	.5642-03	.7293-03	.8841-01	.7003	553.0
486	2.4590	20.893	2261.0	.1097-02	.1409-02	.1409-02	.9500	.5849-04	.7511-04	.9378-02	.8335-01	549.3
486	2.4590	22.235	2262.0	.1501-02	.1930-02	.1930-02	.9500	.8001-04	.1029-03	.1277-01	.9458-01	550.0

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
480	3.536	3.010	-.1468-01	-5.986	34.08	708.7	252.0	.9140	5.797	2342.	.9789-02	.2015-06
492	3.510	3.010	-.6249-02	-5.946	33.90	709.7	252.4	.9090	5.765	2344.	.9722-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
480	.5338-01	.9674-02
492	.5325-01	.9710-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
492	1.9880	10.859	2249.0	.1086-01	.1367-01	.1367-0	.9500	.5781-03	.7279-03	.9968-01	.7428	537.2
492	1.9880	11.983	2250.0	.8973-02	.1138-01	.1138-0	.9500	.4778-03	.6060-03	.8013-01	.6383	541.9
492	1.9880	13.107	2251.0	.7922-02	.9987-02	.9987-02	.9500	.4218-03	.5318-03	.7238-01	.5392	538.1
492	1.9880	14.195	2252.0	.4086-02	.5173-02	.5173-02	.9500	.2176-03	.2755-03	.3674-01	.3727	540.8
492	2.4590	14.195	2256.0	.6150-02	.7819-02	.7819-02	.9500	.3275-03	.4163-03	.5443-01	.6065	543.4
480	2.4590	20.895	2261.0	.2740-02	.3504-02	.3504-02	.9500	.1463-03	.1870-03	.2378-01	.2117	546.1
480	2.4590	22.235	2262.0	.2907-02	.3719-02	.3719-02	.9500	.1552-03	.1985-03	.2518-01	.1867	546.4
480	2.4590	23.576	2263.0	.3863-02	.4969-02	.4969-02	.9500	.2062-03	.2653-03	.3283-01	.2515	549.5

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
475	3.525	3.010	.1051-02	-3.008	33.97	708.7	252.0	.9111	5.778	2342.	.9758-02	.2015-06
493	3.509	3.010	-.5104-02	-2.922	33.88	709.7	252.4	.9087	5.763	2344.	.9718-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
475	.5329-01	.9690-02
493	.5324-01	.9711-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
493	1.9880	10.859	2249.0	.2736-02	.3524-02	.3524-02	.9500	.1456-03	.1876-03	.2312-01	.1711	551.0
493	1.9880	11.983	2250.0	.7894-02	.1019-01	.1019-01	.9500	.4203-03	.5426-03	.6613-01	.5240	552.3
493	1.9880	13.107	2251.0	.2820-02	.3602-02	.3602-02	.9500	.1502-03	.1917-03	.2456-01	.1822	546.1
493	1.9880	14.195	2252.0	.9001-03	.1152-02	.1152-02	.9500	.4792-04	.6136-04	.7766-02	.7850-01	547.6
493	2.4590	14.195	2256.0	.1177-02	.1534-02	.1534-02	.9500	.6266-04	.8169-04	.9546-02	.1056	557.3
475	2.4590	20.895	2261.0	.1350-02	.1732-02	.1732-02	.9500	.7195-04	.9229-04	.1157-01	.1029	547.9
475	2.4590	23.576	2263.0	.2839-02	.3659-02	.3659-02	.9500	.1513-03	.1950-03	.2390-01	.1830	550.7

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
494	1.072	3.010	.3200-01	.1117-04	10.04	694.7	247.0	.2692	1.707	2319.	.2941-02	.1978-06
495	1.043	3.010	.3200-01	.1117-04	9.907	701.7	249.5	.2657	1.685	2331.	.2874-02	.1997-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
494	.2886-01	.1760-01
495	.2873-01	.1783-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
494	1.9700	17.545	2253.0	.2416-02	.3041-02	.3041-02	.9500	.6974-04	.8777-04	.1179-01	.1020	525.6
494	1.9880	10.859	2249.0	.1527-01	.1937-01	.1937-01	.9500	.4407-03	.5591-03	.7230-01	.5406	530.6
494	1.9880	11.983	2250.0	.9012-02	.1141-01	.1141-01	.9500	.2601-03	.3293-03	.4301-01	.3448	529.3
494	1.9880	13.107	2251.0	.6366-02	.8029-02	.8029-02	.9500	.1838-03	.2318-03	.3081-01	.2308	527.0
494	1.9880	14.195	2252.0	.4318-02	.5472-02	.5472-02	.9500	.1246-03	.1579-03	.2052-01	.2093	530.0
494	2.4590	14.195	2256.0	.8494-02	.1078-01	.1078-01	.9500	.2452-03	.3110-03	.4022-01	.4511	530.6
494	2.4590	15.535	2257.0	.2420-02	.3058-02	.3058-02	.9500	.6986-04	.8825-04	.1164-01	.9683-01	528.0
494	2.4590	16.875	2258.0	.2147-02	.2730-02	.2730-02	.9500	.6197-04	.7879-04	.1008-01	.1130	532.0
494	2.4590	18.215	2259.0	.2484-02	.3147-02	.3147-02	.9500	.7169-04	.9083-04	.1181-01	.1657	529.9
494	2.4590	19.555	2260.0	.2939-02	.3709-02	.3709-02	.9500	.8482-04	.1070-03	.1419-01	.1139	527.4
495	2.4590	23.576	2263.0	.6623-02	.8340-02	.8340-02	.9500	.1903-03	.2396-03	.3241-01	.2506	531.3

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
465	3.496	3.010	-.2200-01	.0000	33.76	709.7	252.4	.9053	5.742	2344.	.9682-02	.2018-06
466	3.519	3.010	-.1800-01	.0000	33.98	709.7	252.4	.9113	5.779	2344.	.9746-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
465	.5314-01	.9729-02
466	.5331-01	.9698-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
465	1.9700	17.545	2253.0	.3081-02	.3864-02	.3864-02	.9500	.1637-03	.2053-03	.2869-01	.2470	534.5
465	1.9880	10.859	2249.0	.1837-01	.2386-01	.2386-01	.9500	.9761-03	.1268-02	.1504	1.111	555.6
465	1.9880	11.983	2250.0	.1870-01	.2440-01	.2440-01	.9500	.9939-03	.1297-02	.1510	1.193	557.7
465	1.9880	13.107	2251.0	.2001-01	.2574-01	.2574-01	.9500	.1063-02	.1368-02	.1696	1.255	550.2
465	1.9880	14.195	2252.0	.1116-01	.1436-01	.1436-01	.9500	.5931-03	.7633-03	.9438-01	.9526	550.5
465	2.0470	22.330	2255.0	.3205-02	.4025-02	.4025-02	.9500	.1703-03	.2139-03	.2965-01	.2287	535.6
465	2.0490	19.941	2254.0	.2196-02	.2759-02	.2759-02	.9500	.1167-03	.1466-03	.2028-01	.2521	535.8
465	2.4590	14.195	2256.0	.2660-01	.3507-01	.3507-01	.9500	.1414-02	.1863-02	.2078	2.294	562.6
465	2.4590	15.535	2257.0	.1590-01	.2037-01	.2037-01	.9500	.8447-03	.1082-02	.1365	1.124	548.1
465	2.4590	16.875	2258.0	.5811-02	.7475-02	.7475-02	.9500	.3088-03	.3972-03	.4922-01	.5466	550.3
465	2.4590	18.215	2259.0	.4378-02	.5588-02	.5588-02	.9500	.2326-03	.2969-03	.3812-01	.5303	545.8
465	2.4590	19.555	2260.0	.5890-02	.7432-02	.7432-02	.9500	.3130-03	.3949-03	.5353-01	.4271	538.6
466	2.4590	20.895	2261.0	.3239-02	.4095-02	.4095-02	.9500	.1727-03	.2183-03	.2931-01	.2617	539.9
466	2.4590	22.235	2262.0	.5818-02	.7349-02	.7349-02	.9500	.3102-03	.3918-03	.5285-01	.3934	539.3
466	2.4590	23.576	2263.0	.6608-02	.8360-02	.8360-02	.9500	.3523-03	.4457-03	.5962-01	.4589	540.4

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TC DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
468	3.510	3.010	5.064	.0000	33.90	709.7	252.4	.9090	5.765	2344.	.9722-02	.2018-06
469	3.507	3.010	4.964	.1731-02	33.87	709.7	252.4	.9082	5.760	2344.	.9713-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
468	.5325-01	.9710-02
469	.5322-01	.9714-02

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
468	1.9700	17.545	2253.0	.2310-02	.2924-02	.2924-02	.9500	.1230-03	.1557-03	.2079-01	.1784	540.7
468	1.9880	10.859	2249.0	.1778-01	.2309-01	.2309-01	.9500	.9465-03	.1229-02	.1460	1.078	555.5
468	1.9880	11.983	2250.0	.1720-01	.2243-01	.2243-01	.9500	.9156-03	.1194-02	.1393	1.101	557.5
468	1.9880	13.107	2251.0	.1727-01	.2223-01	.2223-01	.9500	.9197-03	.1184-02	.1463	1.083	550.6
468	1.9880	14.195	2252.0	.9298-02	.1199-01	.1199-01	.9500	.4951-03	.6383-03	.7831-01	.7900	551.5
468	2.0470	22.330	2255.0	.2176-02	.2756-02	.2756-02	.9500	.1159-03	.1467-03	.1955-01	.1504	541.0
468	2.0490	19.941	2254.0	.1427-02	.1811-02	.1811-02	.9500	.7598-04	.9642-04	.1272-01	.1578	542.3
468	2.4590	14.195	2256.0	.2095-01	.2753-01	.2753-01	.9500	.1115-02	.1466-02	.1655	1.827	561.3
468	2.4590	15.535	2257.0	.1558-01	.2005-01	.2005-01	.9500	.8295-03	.1068-02	.1320	1.085	550.6
468	2.4590	16.875	2258.0	.4980-02	.6423-02	.6423-02	.9500	.2652-03	.3420-03	.4188-01	.4647	551.7
468	2.4590	18.215	2259.0	.2991-02	.3839-02	.3839-02	.9500	.1593-03	.2044-03	.2559-01	.3554	549.0
468	2.4590	19.555	2260.0	.2820-02	.3584-02	.3584-02	.9500	.1502-03	.1908-03	.2500-01	.1990	543.2
469	2.4590	20.895	2261.0	.1182-02	.1498-02	.1498-02	.9500	.6289-04	.7973-04	.1056-01	.9423-01	541.7
469	2.4590	22.235	2262.0	.3197-02	.4057-02	.4057-02	.9500	.1702-03	.2160-03	.2848-01	.2117	542.3
469	2.4590	23.570	2263.0	.5021-02	.6372-02	.6372-02	.9500	.2672-03	.3392-03	.4472-01	.3439	542.3

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
508	3.507	4.020	-4.952	-10.33	57.69	708.7	167.5	.3700	4.185	2550.	.5963-02	.1347-06
511	3.507	4.020	-5.014	-11.00	57.80	709.7	167.7	.3706	4.193	2552.	.5966-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
508	.4539-01	.1240-01
511	.4544-01	.1240-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
508	1.9880	11.983	2250.0	.2902-02	.3592-02	.3592-02	.9500	.1317-03	.1630-03	.2431-01	.1954	524.1
508	1.9880	13.107	2251.0	.5543-02	.6839-02	.6839-02	.9500	.2516-03	.3104-03	.4701-01	.3531	521.8
508	1.9880	14.195	2252.0	.2065-02	.2552-02	.2552-02	.9500	.9374-04	.1158-03	.1743-01	.1784	522.7
508	2.0470	22.330	2255.0	.8322-03	.1026-02	.1026-02	.9500	.3777-04	.4659-04	.7072-02	.5496-01	521.4
508	2.4590	14.195	2256.0	.4203-02	.5207-02	.5207-02	.9500	.1907-03	.2363-03	.3504-01	.3941	525.0
508	2.4590	15.535	2257.0	.5284-02	.6510-02	.6510-02	.9500	.2398-03	.2955-03	.4513-01	.3768	520.5
511	2.4590	22.235	2262.0	.4446-02	.5508-02	.5508-02	.9500	.2020-03	.2503-03	.3718-01	.2787	525.6
511	2.4590	23.576	2263.0	.2701-02	.3347-02	.3347-02	.9500	.1227-03	.1521-03	.2256-01	.1749	525.9

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
519	1.026	4.020	-4.937	-5.893	16.97	711.7	168.2	.1089	1.231	2556.	.1747-02	.1353-06
520	1.025	4.020	-5.002	-5.969	16.96	711.7	168.2	.1088	1.231	2556.	.1746-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
519	.2464-01	.2293-01
520	.2463-01	.2294-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
519	1.9880	13.107	2251.0	.6095-02	.7459-02	.7459-02	.9500	.1502-03	.1838-03	.2924-01	.2201	517.0
519	1.9880	14.195	2252.0	.2887-02	.3536-02	.3536-02	.9500	.7113-04	.8712-04	.1380-01	.1416	517.7
519	2.4590	14.195	2256.0	.7107-02	.8740-02	.8740-02	.9500	.1751-03	.2153-03	.3334-01	.3757	521.3

IH102 60-OTS UPPER RH WING (R44J42)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
459	3.524	4.020	-4.973	-5.965	57.96	708.7	167.5	.3717	4.205	2550.	.5991-02	.1347-06
460	3.526	4.020	-4.966	-5.970	57.99	708.7	167.5	.3719	4.207	2550.	.5994-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
459	.4549-01	.1237-01
460	.4551-01	.1237-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
459	1.9880	10.859	2249.0	.3057-02	.3812-02	.3812-02	.9500	.1391-03	.1734-03	.2489-01	.1862	529.7
459	1.9880	11.983	2250.0	.3694-02	.4625-02	.4625-02	.9500	.1681-03	.2104-03	.2960-01	.2369	532.6
459	2.4590	14.195	2256.0	.2257-02	.2827-02	.2827-02	.9500	.1027-03	.1286-03	.1804-01	.2021	533.0

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
514	1.023	4.020	-4.918	-.1715-02	16.93	711.7	168.2	.1086	1.228	2556.	.1743-02	.1353-06
517	1.032	4.020	-4.820	-.1715-02	16.97	708.7	167.5	.1088	1.231	2550.	.1754-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
514	.2461-01	.2296-01
517	.2462-01	.2287-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
514	1.9880	10.859	2249.0	.2865-01	.3523-01	.3523-01	.9500	.7049-03	.8670-03	.1342	1.008	521.3
514	1.9880	11.983	2250.0	.1079-01	.1321-01	.1321-01	.9500	.2656-03	.3251-03	.5159-01	.4161	517.4
514	1.9880	13.107	2251.0	.4820-02	.5869-02	.5869-02	.9500	.1186-03	.1444-03	.2362-01	.1782	512.5
514	2.4590	14.195	2256.0	.7114-02	.8705-02	.8705-02	.9500	.1751-03	.2142-03	.3408-01	.3849	517.0

IH102 60-OTS UPPER RH WING (R4WJ43)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
450	3.529	4.020	-5.036	-.3511-02	58.03	708.7	167.5	.3722	4.210	2550.	.5999-02	.1347-06
451	3.519	4.020	-4.934	.0000	57.88	708.7	167.5	.3712	4.199	2550.	.5983-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
450	.4552-01	.1237-01
451	.4546-01	.1238-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
450	1.9700	17.545	2253.0	.4564-02	.5666-02	.5666-02	.9500	.2078-03	.2579-03	.3784-01	.3271	526.5
450	1.9890	10.859	2249.0	.2229-01	.2833-01	.2833-01	.9500	.1015-02	.1290-02	.1688	1.254	542.4
450	1.9880	11.983	2250.0	.2034-01	.2606-01	.2606-01	.9500	.9259-03	.1186-02	.1495	1.187	547.3
450	1.9880	13.107	2251.0	.2236-01	.2827-01	.2827-01	.9500	.1018-02	.1287-02	.1723	1.283	539.3
450	1.9880	14.195	2252.0	.1356-01	.1715-01	.1715-01	.9500	.6174-03	.7809-03	.1045	1.060	539.5
450	2.0470	22.330	2255.0	.2013-02	.2509-02	.2509-02	.9500	.9165-04	.1142-03	.1644-01	.1272	529.3
450	2.0490	19.941	2254.0	.1935-02	.2410-02	.2410-02	.9500	.8810-04	.1097-03	.1586-01	.1978	528.7
450	2.4590	14.195	2256.0	.2685-01	.3455-01	.3455-01	.9500	.1222-02	.1573-02	.1945	2.161	549.6
450	2.4590	15.535	2257.0	.1808-01	.2281-01	.2281-01	.9500	.8229-03	.1039-02	.1404	1.162	538.0
450	2.4590	16.875	2258.0	.7937-02	.1005-01	.1005-01	.9500	.3613-03	.4574-03	.6092-01	.6800	540.1
450	2.4590	18.215	2259.0	.5062-02	.6370-02	.6370-02	.9500	.2304-03	.2900-03	.3974-01	.5555	536.2
450	2.4590	19.555	2260.0	.6214-02	.7760-02	.7760-02	.9500	.2829-03	.3533-03	.5029-01	.4028	530.9
451	2.4590	20.895	2261.0	.2756-02	.3443-02	.3443-02	.9500	.1253-03	.1565-03	.2227-01	.1998	530.9
451	2.4590	22.235	2262.0	.3574-02	.4469-02	.4469-02	.9500	.1625-03	.2032-03	.2876-01	.2149	531.7
451	2.4590	23.570	2263.0	.4604-02	.5751-02	.5751-02	.9500	.2093-03	.2615-03	.3717-01	.2874	531.1

IH102 60-OTS UPPER RH WING (R4WJ45)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
503	3.489	4.020	-.1956-01	-11.07	57.75	711.[illegible]	168.2	.3703	4.189	2556.	.5944-02	.1353-06
507	3.516	4.020	-.3894-02	-11.02	57.82	708.[illegible]	167.5	.3708	4.195	2550.	.5977-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
503	.4544-01	.1243-01
507	.4544-01	.1239-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
503	2.4590	22.235	2262.0	.8752-03	.1079-02	.1079-02	.9500	.3977-04	.4902-04	.7500-02	.5630-01	523.1

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
454	3.528	4.020	.1037-02	-2.968	58.02	708.7	167.5	.3721	4.209	2550.	.5997-02	.1347-06
505	3.493	4.020	-.2031-02	-2.906	57.82	711.7	168.2	.3708	4.195	2556.	.5951-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
454	.4552-01	.1237-01
505	.4547-01	.1242-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
505	1.9700	17.545	2253.0	.1097-02	.1356-02	.1356-02	.9500	.4989-04	.6167-04	.9295-02	.8040-01	525.4
505	1.9880	10.859	2249.0	.6559-02	.8207-02	.8207-02	.9500	.2982-03	.3732-03	.5284-01	.3943	534.5
505	1.9880	11.983	2250.0	.6251-02	.7858-02	.7858-02	.9500	.2842-03	.3573-03	.4943-01	.3945	537.8
505	1.9880	13.107	2251.0	.1010-01	.1261-01	.1261-01	.9500	.4595-03	.5732-03	.8238-01	.6154	532.4
505	1.9880	14.195	2252.0	.2680-02	.3346-02	.3346-02	.9500	.1219-03	.1522-03	.2178-01	.2218	532.9
505	2.4590	14.195	2256.0	.2609-02	.3278-02	.3278-02	.9500	.1186-03	.1491-03	.2067-01	.2310	537.4

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
512	1.023	4.020	-.4000-02	.1396-05	16.93	711.7	168.2	.1086	1.228	2556.	.1743-02	.1353-06
515	1.034	4.020	.8000-02	.2793-05	17.04	709.7	167.7	.1093	1.236	2552.	.1759-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
512	.2461-01	.2296-01
515	.2467-01	.2284-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
512	1.9880	10.859	2249.0	.1610-01	.1975-01	.1975-01	.9500	.3963-03	.4861-03	.7633-01	.5741	519.1
512	1.9880	11.983	2250.0	.4294-02	.5256-02	.5256-02	.9500	.1057-03	.1293-03	.2054-01	.1657	517.3

IH102 60-OTS UPPER RH WING (R4WJ50)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
444	3.514	4.020	.2000-02	.0000	57.91	709.7	167.7	.3714	4.201	2552.	.5978-02	.1349-06
445	3.518	4.020	.2000-02	.6981-06	57.99	709.7	167.7	.3719	4.207	2552.	.5986-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
444	.4549-01	.1239-01
445	.4552-01	.1238-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
444	1.9700	17.545	2253.0	.4310-02	.5370-02	.5370-02	.9500	.1961-03	.2443-03	.3527-01	.3044	529.8
444	1.9880	10.859	2249.0	.1874-01	.2379-01	.2379-01	.9500	.8525-03	.1082-02	.1425	1.059	542.5
444	1.9880	11.983	2250.0	.1485-01	.1891-01	.1891-01	.9500	.6754-03	.8603-03	.1115	.8869	544.6
444	1.9880	13.107	2251.0	.1387-01	.1747-01	.1747-01	.9500	.6309-03	.7948-03	.1086	.8089	537.6
444	1.9880	14.195	2252.0	.1048-01	.1328-01	.1328-01	.9500	.4768-03	.6041-03	.8032-01	.8146	541.2
444	2.0470	22.330	2255.0	.8341-03	.1039-02	.1039-02	.9500	.3794-04	.4728-04	.6813-02	.5271-01	530.1
444	2.0490	19.941	2254.0	.1355-02	.1690-02	.1690-02	.9500	.6162-04	.7687-04	.1102-01	.1373	530.8
444	2.4590	14.195	2256.0	.1830-01	.2329-01	.2329-01	.9500	.8324-03	.1059-02	.1379	1.536	544.0
444	2.4590	15.535	2257.0	.1342-01	.1692-01	.1692-01	.9500	.6105-03	.7699-03	.1046	.8657	538.3
444	2.4590	16.875	2258.0	.5481-02	.6915-02	.6915-02	.9500	.2493-03	.3146-03	.4264-01	.4763	538.6
444	2.4590	18.215	2259.0	.3874-02	.4865-02	.4865-02	.9500	.1762-03	.2213-03	.3068-01	.4290	535.6
444	2.4590	19.555	2260.0	.2251-02	.2811-02	.2811-02	.9500	.1024-03	.1279-03	.1825-01	.1462	531.4
445	2.4590	20.895	2261.0	.7554-03	.9420-03	.9420-03	.9500	.3438-04	.4288-04	.6159-02	.5526-01	530.5
445	2.4590	23.576	2263.0	.2287-02	.2849-02	.2849-02	.9500	.1041-03	.1297-03	.1871-01	.1448	529.9

IH102 60-OTS UPPER RH WING (R4WJ51)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = 0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
447	3.517	4.020	5.042	-.5273-02	57.96	709.7	167.7	.3717	4.205	2552.	.5983-02	.1349-06
448	3.517	4.020	4.970	.3465-02	57.97	709.7	167.7	.3718	4.206	2552.	.5984-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
447	.4550-01	.1239-01
448	.4551-01	.1238-01

TEST DATA

RUN NUMBER	YO MS	XO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
447	1.9700	17.545	2253.0	.2116-02	.2599-02	.2599-02	.9500	.9631-04	.1182-03	.1842-01	.1599	518.4
447	1.9880	10.859	2249.0	.1422-01	.1781-01	.1781-01	.9500	.6472-03	.8105-03	.1140	.8510	533.6
447	1.9880	11.983	2250.0	.1046-01	.1314-01	.1314-01	.9500	.4761-03	.5980-03	.8293-01	.6627	535.5
447	1.9880	13.107	2251.0	.8820-02	.1095-01	.1095-01	.9500	.4014-03	.4982-03	.7325-01	.5486	527.2
447	1.9880	14.195	2252.0	.6099-02	.7572-02	.7572-02	.9500	.2775-03	.3446-03	.5060-01	.5168	527.3
447	2.4590	14.195	2256.0	.1172-01	.1458-01	.1458-01	.9500	.5335-03	.6635-03	.9660-01	1.085	528.6
447	2.4590	15.535	2257.0	.8298-02	.1026-01	.1026-01	.9500	.3776-03	.4670-03	.7002-01	.5836	524.2
447	2.4590	16.875	2258.0	.3373-02	.4194-02	.4194-02	.9500	.1535-03	.1908-03	.2784-01	.3126	528.3
447	2.4590	18.215	2259.0	.2321-02	.2874-02	.2874-02	.9500	.1056-03	.1308-03	.1947-01	.2737	525.3

IH102 60-0 VERTICAL TAIL (R4WM21)

VERTICAL TAIL

PARAMETRIC DATA

MACH = 3.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
546	3.522	3.010	-39.98	-.4861-02	33.94	708 7	252.0	.9102	5.773	2342.	.9748-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
546	.5327-01	.9695-02

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
546	26.091	9.3030	2368.0	.3523-01	.4498-01	.4438-01	.9500	.1877-02	.2396-02	.3068	2.239	545.2

VERTICAL TAIL

PARAMETRIC DATA

MACH = +.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
553	2.006	4.020	-39.96	-.2422-02	33.00	708.7	167.5	.2116	2.394	2550.	.3411-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
553	.3433-01	.1640-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
553	26.091	9.3030	2368.0	.2240-01	.2827-01	.2827-01	.9500	.7689-03	.9705-03	.1311	.9808	538.1

IH102 60-0 VERTICAL TAIL (R4WM25)

VERTICAL TAIL

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
550	3.514	4.020	-39.96	.0000	57.91	709.7	167.7	.3714	4.201	2552.	.5978-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
550	.4549-01	.1239-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
550	26.091	9.3030	2368.0	.2540-01	.3238-01	.3238-01	.9500	.1155-02	.1473-02	.1901	1.388	545.1

VERTICAL TAIL

PARAMETRIC DATA

MACH = 4.000 ALPHA = -30.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
549	3.467	4.020	-29.98	.3163-02	57.99	716.7	169.3	.3719	4.207	2564.	.5928-02	.1363-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
549	.4560-01	.1246-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
549	26.091	9.3030	2368.0	.3342-01	.4282-01	.4282-01	.9500	.1524-02	.1953-02	.2487	1.808	553.4

IH102 60-OTS VERTICAL TAIL (R4WM39)

VERTICAL TAIL

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
494	1.072	3.010	.3200-01	.1117-04	10.04	694.7	247.0	.2692	1.707	2319.	.2941-02	.1978-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
494	.2886-01	.1760-01

TEST DATA

RUN NUMBER	XO MS	ZO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
494	26.091	9.3030	2368.0	.4729-03	.5121-03	.5121-03	.9500	.1365-04	.1478-04	.6188-02	.5336-01	241.3

IH102 60-0 UPPER MID FUSELAGE (R4WN21)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
547	3.518	3.010	-40.01	.0000	33.91	708.7	252.0	.9094	5.768	2342.	.9740-02	.2015-06
548	3.516	3.010	-40.08	-.2464-02	33.95	709.7	252.4	.9105	5.775	2344.	.9738-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
547	.5324-01	.9699-02
548	.5329-01	.9702-02

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
547	9.7050	1.1010	2088.0	.4506-01	.6075-01	.6075-01	.9500	.2399-02	.3235-02	.3291	2.782	571.5
547	9.7170	.67200	2089.0	.3838-01	.4823-01	.4823-01	.9500	.2043-02	.2568-02	.3544	2.558	535.2
547	9.7990	1.7090	2087.0	.1731	.2296	.2296	.9500	.9214-02	.1222-01	1.326	9.430	564.8
547	10.806	1.6380	2102.0	.7526-01	.1037	.1037	.9500	.4007-02	.5521-02	.5180	4.930	579.4
548	13.077	.86800	2125.0	.2463	.3360	.3360	.9500	.1313-01	.1791-01	1.745	13.19	576.7
548	13.077	1.6840	2122.0	.1114	.1462	.1462	.9500	.5938-02	.7791-02	.8861	7.769	560.4
548	13.107	.28000	2127.0	.9228-01	.1277	.1277	.9500	.4918-02	.6804-02	.6294	5.616	581.7
548	13.107	.56000	2126.0	.2663	.3688	.3688	.9500	.1419-01	.1965-01	1.811	13.89	582.0
548	13.107	1.1280	2124.0	.2393	.3222	.3222	.9500	.1275-01	.1717-01	1.758	12.54	571.8
548	15.347	.86800	2140.0	.2300	.3098	.3098	.9500	.1226-01	.1651-01	1.689	12.75	571.9
548	15.347	1.5840	2139.0	.1581	.2041	.2041	.9500	.8424-02	.1088-01	1.325	8.720	552.4
548	17.549	1.1200	2405.0	.1534	.2036	.2036	.9500	.8175-02	.1085-01	1.176	8.045	565.9
548	17.574	.28000	2408.0	.9044-01	.1243	.1243	.9500	.4819-02	.6625-02	.6274	5.281	579.5
548	17.574	.56000	2407.0	.1278	.1738	.1738	.9500	.6810-02	.9260-02	.9136	7.055	575.5
548	17.574	.86800	2406.0	.6564-03	.7797-03	.7797-03	.9500	.3498-04	.4155-04	.7846-02	.6320-01	485.4
548	17.574	1.5720	2404.0	.1533	.2002	.2002	.9500	.8171-02	.1067-01	1.239	9.106	558.0
548	19.845	1.5720	2410.0	.1050	.1399	.1399	.9500	.5594-02	.7456-02	.7949	5.240	567.6
548	22.000	.86800	2156.0	.2189	.3076	.3076	.9500	.1166-01	.1639-01	1.435	11.85	586.7
548	22.000	1.5720	2155.0	.2057	.2797	.2797	.9500	.1096-01	.1491-01	1.469	10.50	575.6

IH102 60-0 UPPER MID FUSELAGE (R4WN21)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
548	22.610	.14000-01	2036.0	.4497	.8118	.8118	.9500	.2397-01	.4326-01	1.907	14.64	630.1
548	22.640	.30800	2160.0	.4322	.6896	.6896	.9500	.2303-01	.3675-01	2.189	15.39	614.6
548	22.640	.86800	2159.0	.3231	.5031	.5031	.9500	.1722-01	.2681-01	1.708	13.95	610.5
548	22.640	1.2180	2158.0	.2824	.4389	.4389	.9500	.1505-01	.2339-01	1.498	13.02	610.1
548	22.640	1.5820	2157.0	.2449	.3471	.3471	.9500	.1305-01	.1850-01	1.573	11.24	589.1

IH102 60-0 UPPER MID FUSELAGE (R4WN22)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
529	3.505	3.010	-14.45	-.4991-02	33.85	709.7	252.4	.9077	5.757	2344.	.9707-02	.2018-06
530	3.504	3.010	-14.45	.0000	33.84	709.7	252.4	.9075	5.756	2344.	.9706-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
529	.5321-01	.9717-02
530	.5320-01	.9718-02

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
529	9.7050	1.1010	2088.0	.3365-01	.4336-01	.4336-01	.9500	.1790-02	.2307-02	.2835	2.420	551.3
529	9.7170	.67200	2089.0	.3277-01	.4174-01	.4174-01	.9500	.1743-02	.2221-02	.2878	2.068	544.6
529	9.7990	1.7090	2087.0	.7051-01	.9392-01	.9392-01	.9500	.3752-02	.4997-02	.5340	3.793	567.3
529	10.806	.86700	2103.0	.1419-01	.1876-01	.1876-01	.9500	.7548-03	.9980-03	.1099	1.616	564.0
529	10.806	1.6380	2102.0	.5934-01	.7870-01	.7870-01	.9500	.3157-02	.4188-02	.4553	4.363	565.5
530	13.077	.86800	2125.0	.7707-01	.1037	.1037	.9500	.4100-02	.5517-02	.5665	4.293	571.5
530	13.077	1.6840	2122.0	.4512-01	.5900-01	.5900-01	.9500	.2401-02	.3139-02	.3623	3.179	558.8
530	13.107	.28000	2127.0	.6875-01	.9400-01	.9400-01	.9500	.3658-02	.5001-02	.4832	4.320	577.6
530	13.107	.56000	2126.0	.8074-01	.1101	.1101	.9500	.4295-02	.5857-02	.5718	4.397	576.6
530	13.107	1.1280	2124.0	.7908-01	.1056	.1056	.9500	.4208-02	.5616-02	.5952	4.253	568.2
530	15.347	.86800	2140.0	.7284-01	.9641-01	.9641-01	.9500	.3876-02	.5129-02	.5627	4.264	564.5
530	15.347	1.5840	2139.0	.5789-01	.7464-01	.7464-01	.9500	.3080-02	.3971-02	.4869	3.207	551.6
530	17.549	1.1200	2405.0	.6076-01	.8040-01	.8040-01	.9500	.3233-02	.4277-02	.4697	3.217	564.4
530	17.574	.28000	2408.0	.5404-01	.7289-01	.7289-01	.9500	.2875-02	.3878-02	.3946	3.333	572.4
530	17.574	.56000	2407.0	.6114-01	.8206-01	.8206-01	.9500	.3253-02	.4366-02	.4528	3.505	570.5
530	17.574	1.5720	2404.0	.4886-01	.6391-01	.6391-01	.9500	.2600-02	.3400-02	.3919	2.879	558.9
530	19.845	1.5720	2410.0	.5470-01	.7252-01	.7252-01	.9500	.2910-02	.3858-02	.4203	2.774	565.3
530	22.000	.86800	2156.0	.4783-01	.6436-01	.6436-01	.9500	.2545-02	.3424-02	.3516	2.926	571.5
530	22.000	1.5720	2155.0	.6110-01	.8252-01	.8252-01	.9500	.3251-02	.4390-02	.4443	3.178	573.0

IH102 60-0 UPPER MID FUSELAGE (R4WN22)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
530	22.610	.14000-01	2036.0	.1182	.1923	.1923	.9500	.6289-02	.1023-01	.5789	4.473	617.6
530	22.640	.30800	2160.0	.1344	.2053	.2053	.9500	.7149-02	.1092-01	.7343	5.181	607.0
530	22.640	.86800	2159.0	.1188	.1774	.1774	.9500	.6318-02	.9437-02	.6785	5.562	602.3
530	22.640	1.2180	2158.0	.1133	.1698	.1698	.9500	.6026-02	.9032-02	.6423	5.603	603.1
530	22.640	1.5820	2157.0	.1206	.1709	.1709	.9500	.6418-02	.9092-02	.7742	5.530	589.0

IH102 60-0 UPPER MID FUSELAGE (R4WN23)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
526	3.506	3.010	.5162-02	-14.47	33.86	709.7	252.4	.9082	5.760	2344.	.9713-02	.2018-06
527	3.499	3.010	.5111-02	-14.34	33.79	709.7	252.4	.9062	5.747	2344.	.9692-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
526	.5322-01	.9714-02
527	.5316-01	.9725-02

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
526	9.7050	1.1010	2088.0	.5834-01	.7628-01	.7628-01	.9500	.3105-02	.4060-02	.4683	3.983	558.8
526	9.7170	.67200	2089.0	.1185-01	.1484-01	.1484-01	.9500	.6307-03	.7900-03	.1110	.8017	533.7
526	9.7990	1.7090	2087.0	.9911-01	.1348	.1348	.9500	.5275-02	.7177-02	.7063	4.996	575.8
526	10.806	.86700	2103.0	.1661-01	.2113-01	.2113-01	.9500	.8839-03	.1125-02	.1465	2.175	544.0
526	10.806	1.6380	2102.0	.6868-01	.9143-01	.9143-01	.9500	.3655-02	.4866-02	.5213	4.991	567.1
527	13.077	.86800	2125.0	.4463-01	.5674-01	.5674-01	.9500	.2373-02	.3017-02	.3944	3.030	543.5
527	13.077	1.6840	2122.0	.5595-01	.7433-01	.7433-01	.9500	.2975-02	.3952-02	.4268	3.731	566.2
527	13.107	.28000	2127.0	.3943-01	.5016-01	.5016-01	.9500	.2096-02	.2666-02	.3478	3.163	543.8
527	13.107	.56000	2126.0	.4496-01	.5718-01	.5718-01	.9500	.2390-02	.3040-02	.3971	3.105	543.6
527	13.107	1.1280	2124.0	.5316-01	.6796-01	.6796-01	.9500	.2826-02	.3613-02	.4605	3.326	546.7
527	15.347	.86800	2140.0	.4704-01	.5959-01	.5959-01	.9500	.2501-02	.3168-02	.4215	3.231	541.2
527	15.347	1.5840	2139.0	.6746-01	.8686-01	.8686-01	.9500	.3586-02	.4618-02	.5697	3.753	550.8
527	17.549	1.1200	2405.0	.4680-01	.5992-01	.5992-01	.9500	.2488-02	.3185-02	.4034	2.786	547.6
527	17.574	.28000	2408.0	.3351-01	.4271-01	.4271-01	.9500	.1781-02	.2270-02	.2934	2.513	545.0
527	17.574	.56000	2407.0	.3823-01	.4881-01	.4881-01	.9500	.2032-02	.2595-02	.3325	2.606	546.1
527	17.574	1.5720	2404.0	.5236-01	.6776-01	.6776-01	.9500	.2784-02	.3602-02	.4346	3.201	553.5
527	19.845	1.5720	2410.0	.4505-01	.5816-01	.5816-01	.9500	.2395-02	.3092-02	.3768	2.503	552.3
527	22.000	.86800	2156.0	.3583-01	.4653-01	.4653-01	.9500	.1905-02	.2474-02	.2939	2.466	555.4
527	22.000	1.5720	2155.0	.4143-01	.5323-01	.5323-01	.9500	.2203-02	.2830-02	.3526	2.552	549.6

IH102 60-0 UPPER MID FUSELAGE (R4WN23)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
527	22.610	.14000-01	2036.0	.5811-01	.7718-01	.7718-0	.9500	.3090-02	.4103-02	.4437	3.516	566.1
527	22.640	.30800	2160.0	.6802-01	.9067-01	.9067-0	.9500	.3616-02	.4820-02	.5136	3.696	567.6
527	22.640	.86800	2159.0	.5946-01	.7854-01	.7854-0	.9500	.3161-02	.4175-02	.4619	3.860	563.6
527	22.640	1.2180	2156.0	.6825-01	.9181-01	.9181-0	.9500	.3629-02	.4881-02	.5018	4.446	571.4
527	22.640	1.5820	2157.0	.9307-01	.1257	.1257	.9500	.4948-02	.6685-02	.6756	4.864	573.1

IH102 60-0 UPPER MID FUSELAGE (R4WN24)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
532	1.053	3.010	.2400-01	.1676-04	9.877	695.7	247.4	.2649	1.680	2321.	.2890-02	.1981-06
533	1.065	3.010	.2400-01	.1676-04	9.993	695.7	247.4	.2680	1.700	2321.	.2924-02	.1981-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
532	.2864-01	.1776-01
533	.2881-01	.1766-01

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
532	9.7050	1.1010	2088.0	.1859-01	.2331-01	.2331-01	.9500	.5323-03	.6678-03	.9129-01	.7901	524.2
532	9.7170	.67200	2089.0	.5568-02	.6921-02	.6921-02	.9500	.1595-03	.1982-03	.2837-01	.2066	517.8
532	9.7990	1.7090	2087.0	.3628-01	.4594-01	.4594-0	.9500	.1039-02	.1316-02	.1718	1.243	530.3
532	10.806	.86700	2103.0	.4306-02	.5338-02	.5338-02	.9500	.1233-03	.1529-03	.2219-01	.3343	515.8
532	10.806	1.6380	2102.0	.2273-01	.2847-01	.2847-01	.9500	.6509-03	.8155-03	.1122	1.098	523.3
533	13.077	.86800	2125.0	.7366-02	.9042-02	.9042-02	.9500	.2122-03	.2605-03	.3984-01	.3117	508.0
533	13.077	1.6840	2122.0	.4639-02	.5725-02	.5725-02	.9500	.1336-03	.1649-03	.2449-01	.2200	512.4
533	13.107	.28000	2127.0	.7865-02	.9679-02	.9679-02	.9500	.2266-03	.2788-03	.4207-01	.3893	510.0
533	13.107	.56000	2126.0	.1140-01	.1404-01	.1404-01	.9500	.3284-03	.4046-03	.6069-01	.4825	510.9
533	13.107	1.1280	2124.0	.6997-02	.8596-02	.8596-02	.9500	.2016-03	.2477-03	.3769-01	.2776	508.7
533	15.347	.86800	2140.0	.1655-01	.2034-01	.2034-01	.9500	.4767-03	.5860-03	.8892-01	.6930	509.2
533	15.347	1.5840	2139.0	.2245-01	.2761-01	.2761-01	.9500	.6467-03	.7954-03	.1203	.8095	509.6
533	17.549	1.1200	2405.0	.2689-01	.3370-01	.3370-01	.9500	.7745-03	.9709-03	.1332	.9311	523.7
533	17.574	.28000	2408.0	.1285-02	.1601-02	.1601-02	.9500	.3702-04	.4611-04	.6535-02	.5671-01	519.2
533	17.574	.56000	2407.0	.6565-02	.8182-02	.8182-02	.9500	.1891-03	.2357-03	.3331-01	.2645	519.6
533	17.574	1.5720	2404.0	.3446-01	.4323-01	.4323-01	.9500	.9928-03	.1245-02	.1702	1.273	524.2
533	19.845	1.5720	2410.0	.3499-01	.4437-01	.4437-01	.9500	.1008-02	.1278-02	.1657	1.112	531.3
533	22.000	.86800	2156.0	.4067-01	.5203-01	.5203-01	.9500	.1172-02	.1499-02	.1866	1.581	536.4
533	22.000	1.5720	2155.0	.4972-01	.6354-01	.6354-01	.9500	.1432-02	.1830-02	.2290	1.669	535.8

IH102 60-0 UPPER MID FUSELAGE (R4WN24)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
533	22.610	.14000-01	2036.0	.5721-01	.7593-01	.7593-0	.9500	.1648-02	.2188-02	.2325	1.853	554.6
533	22.640	.30800	2160.0	.7758-01	.1020	.1020	.9500	.2235-02	.2938-02	.3248	2.357	550.3
533	22.640	.86800	2159.0	.9151-01	.1196	.1196	.9500	.2636-02	.3447-02	.3900	3.285	547.7
533	22.640	1.2180	2158.0	.9497-01	.1235	.1235	.9500	.2736-02	.3559-02	.4115	3.695	545.3
533	22.640	1.5820	2157.0	.9095-01	.1171	.1171	.9500	.2620-02	.3374-02	.4080	2.986	540.0

IH102 60-0 UPPER MID FUSELAGE (R4WN24)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
523	3.503	3.010	.4800-01	.1005-03	33.83	709.7	252.4	.9074	5.755	2344.	.9704-02	.2018-06
524	3.503	3.010	.5400-01	.1885-04	33.83	709.7	252.4	.9074	5.755	2344.	.9704-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
523	.5320-01	.9719-02
524	.5320-01	.9719-02

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
523	9.7050	1.1010	2088.0	.3009-01	.3864-01	.3864-01	.9500	.1601-02	.2056-02	.2568	2.194	549.3
523	9.7170	.67200	2089.0	.1596-01	.2013-01	.2013-01	.9500	.8488-03	.1071-02	.1453	1.047	538.4
523	9.7990	1.7090	2087.0	.4941-01	.6459-01	.6459-01	.9500	.2629-02	.3436-02	.3969	2.831	558.7
523	10.806	.86700	2103.0	.5611-02	.7120-02	.7120-02	.9500	.2985-03	.3788-03	.4999-01	.7432	542.2
523	10.806	1.6380	2102.0	.3580-01	.4625-01	.4625-01	.9500	.1904-02	.2461-02	.2989	2.882	552.7
524	13.077	.86800	2125.0	.3544-01	.4507-01	.4507-01	.9500	.1885-02	.2397-02	.3131	2.406	543.6
524	13.077	1.6840	2122.0	.3322-01	.4281-01	.4281-01	.9500	.1767-02	.2278-02	.2797	2.464	551.4
524	13.107	.28000	2127.0	.2766-01	.3522-01	.3522-01	.9500	.1472-02	.1874-02	.2435	2.214	544.2
524	13.107	.56000	2126.0	.3113-01	.3949-01	.3949-01	.9500	.1656-02	.2101-02	.2775	2.171	542.1
524	13.107	1.1280	2124.0	.4021-01	.5112-01	.5112-01	.9500	.2139-02	.2719-02	.3560	2.576	543.3
524	15.347	.86800	2140.0	.4103-01	.5202-01	.5202-01	.9500	.2183-02	.2767-02	.3665	2.809	541.8
524	15.347	1.5840	2139.0	.4356-01	.5519-01	.5519-01	.9500	.2317-02	.2936-02	.3901	2.582	541.3
524	17.549	1.1200	2405.0	.3827-01	.4895-01	.4895-01	.9500	.2036-02	.2604-02	.3310	2.287	547.1
524	17.574	.28000	2408.0	.3426-01	.4441-01	.4441-01	.9500	.1823-02	.2362-02	.2831	2.413	554.3
524	17.574	.56000	2407.0	.4056-01	.5252-01	.5252-01	.9500	.2158-02	.2794-02	.3362	2.624	553.8
524	17.574	1.5720	2404.0	.3757-01	.4825-01	.4825-01	.9500	.1999-02	.2567-02	.3206	2.367	549.3
524	19.845	1.5720	2410.0	.3780-01	.4881-01	.4881-01	.9500	.2011-02	.2597-02	.3162	2.100	552.4
524	22.000	.86800	2156.0	.3911-01	.5162-01	.5162-01	.9500	.2081-02	.2746-02	.3047	2.547	563.2
524	22.000	1.5720	2155.0	.4956-01	.6516-01	.6516-01	.9500	.2637-02	.3467-02	.3908	2.811	561.5

IH102 60-0 UPPER MID FUSELAGE (R4WN24)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
524	22.610	.14000-01	2036.0	.7720-01	.1099	.1099	.9500	.4107-02	.5848-02	.4893	3.831	590.5
524	22.640	.30800	2160.0	.8746-01	.1210	.1210	.9500	.4653-02	.6434-02	.5963	4.261	581.5
524	22.640	.86800	2159.0	.7816-01	.1069	.1069	.9500	.4158-02	.5688-02	.5484	4.550	577.8
524	22.640	1.2180	2158.0	.7275-01	.9938-01	.9938-0	.9500	.3870-02	.5287-02	.5126	4.529	577.2
524	22.640	1.5820	2157.0	.8069-01	.1084	.1084	.9500	.4292-02	.5767-02	.5956	4.292	570.9

IH102 60-0 UPPER MID FUSELAGE (R4WN25)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
554	2.005	4.020	-40.03	-.2446-02	32.98	708.7	167.5	.2115	2.393	2550.	.3409-02	.1347-06
555	2.007	4.020	-40.06	.0000	33.02	708.7	167.5	.2117	2.395	2550.	.3413-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
554	.3432-01	.1640-01
555	.3434-01	.1640-01

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
554	9.7050	1.1010	2088.0	.9957-01	.1253	.1253	.9500	.3417-02	.4300-02	.5893	5.070	536.2
554	9.7990	1.7090	2087.0	.8328-01	.1044	.1044	.9500	.2858-02	.3582-02	.5011	3.621	533.3
554	10.806	1.6380	2102.0	.7455-01	.9515-01	.9515-01	.9500	.2558-02	.3265-02	.4187	4.054	545.0
555	13.077	.86800	2125.0	.8312-01	.1052	.1052	.9500	.2854-02	.3611-02	.4823	3.713	539.7
555	13.077	1.6840	2122.0	.5561-01	.6949-01	.6949-01	.9500	.1909-02	.2386-02	.3387	3.014	531.3
555	13.107	.28000	2127.0	.8507-01	.1086	.1086	.9500	.2921-02	.3728-02	.4781	4.346	545.0
555	13.107	.56000	2126.0	.1100	.1398	.1398	.9500	.3776-02	.4799-02	.6277	4.910	542.4
555	13.107	1.1280	2124.0	.1140	.1436	.1436	.9500	.3914-02	.4929-02	.6732	4.888	536.7
555	15.347	.86800	2140.0	.1045	.1304	.1304	.9500	.3588-02	.4478-02	.6392	4.927	530.5
555	15.347	1.5840	2139.0	.7213-01	.8890-01	.8890-01	.9500	.2477-02	.3053-02	.4651	3.111	520.9
555	17.549	1.1200	2405.0	.7963-01	.9860-01	.9860-01	.9500	.2734-02	.3386-02	.5033	3.517	524.6
555	17.574	.28000	2408.0	.7606-01	.9550-01	.9550-01	.9500	.2612-02	.3279-02	.4544	3.913	534.7
555	17.574	.56000	2407.0	.1112	.1388	.1388	.9500	.3817-02	.4765-02	.6793	5.365	530.7
555	17.574	1.5720	2404.0	.6243-01	.7686-01	.7686-01	.9500	.2144-02	.2639-02	.4046	3.031	519.9
555	19.845	1.5720	2410.0	.6065-01	.7608-01	.7608-01	.9500	.2083-02	.2612-02	.3640	2.441	533.9
555	22.000	.86800	2156.0	.1966	.2505	.2505	.9500	.6751-02	.8601-02	1.112	9.386	543.9
555	22.000	1.5720	2155.0	.1570	.1992	.1992	.9500	.5391-02	.6839-02	.9023	6.557	541.3
555	22.610	.14000-01	2036.0	.4403	.6150	.6150	.9500	.1512-01	.2112-01	1.885	14.81	584.0
555	22.640	.30800	2160.0	.4135	.5557	.5557	.9500	.1420-01	.1908-01	1.967	14.13	570.2

IH102 60-0 UPPER MID FUSELAGE (R4WN25)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
555	22.640	.86800	2159.0	.2981	.3971	.3971	.9500	.1023-01	.1353-01	1.454	12.13	566.6
555	22.640	1.2180	2158.0	.2655	.3518	.3518	.9500	.9117-02	.1208-01	1.318	11.72	564.2
555	22.640	1.5820	2157.0	.2226	.2853	.2853	.9500	.7644-02	.9796-02	1.233	8.992	547.4

IH102 60-0 UPPER MID FUSELAGE (R4WN25)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
551	3.510	4.020	-39.97	.0000	57.86	709.7	167.7	.3710	4.197	2552.	.5972-02	.1349-06
552	3.511	4.020	-40.07	.0000	57.87	709.7	167.7	.3711	4.199	2552.	.5974-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
551	.4546-01	.1240-01
552	.4547-01	.1240-01

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
551	9.7050	1.1010	2088.0	.5022-01	.6500-01	.6500-01	.9500	.2283-02	.2955-02	.3562	3.038	553.6
551	9.7170	.67200	2089.0	.1389-01	.1729-01	.1729-01	.9500	.6314-03	.7862-03	.1138	.8240	529.4
551	9.7990	1.7090	2087.0	.1247	.1604	.1604	.9500	.5669-02	.7294-02	.9030	6.469	550.4
551	10.806	.86700	2103.0	.4502-02	.5908-02	.5908-02	.9500	.2047-03	.2686-03	.3051-01	.4494	560.6
551	10.806	1.6380	2102.0	.5201-01	.6768-01	.6768-01	.9500	.2365-02	.3077-02	.3623	3.487	556.4
552	13.077	.86800	2125.0	.2106	.2781	.2781	.9500	.9575-02	.1264-01	1.399	10.64	563.5
552	13.077	1.6840	2122.0	.9843-01	.1267	.1267	.9500	.4476-02	.5759-02	.7127	6.281	550.4
552	13.107	.28000	2127.0	.9743-01	.1284	.1284	.9500	.4430-02	.5838-02	.6519	5.873	562.5
552	13.107	.56000	2126.0	.2144	.2856	.2856	.9500	.9750-02	.1299-01	1.388	10.72	567.3
552	13.107	1.1280	2124.0	.1916	.2501	.2501	.9500	.8711-02	.1137-01	1.320	9.484	558.1
552	15.347	.86800	2140.0	.2134	.2777	.2777	.9500	.9701-02	.1263-01	1.496	11.30	556.5
552	15.347	1.5840	2139.0	.1354	.1717	.1717	.9500	.6156-02	.7809-02	1.032	6.829	542.0
552	17.549	1.1200	2405.0	.1943	.2506	.2506	.9500	.8837-02	.1140-01	1.397	9.629	551.6
552	17.574	.28000	2408.0	.1933	.2554	.2554	.9500	.8788-02	.1161-01	1.282	10.88	563.8
552	17.574	.56000	2407.0	.2131	.2790	.2790	.9500	.9689-02	.1269-01	1.455	11.33	559.5
552	17.574	.86800	2406.0	.1419-04	.2138-04	.2138-04	.9500	.6452-06	.9721-06	.6807-04	.5164-03	604.2
552	17.574	1.5720	2404.0	.1349	.1720	.1720	.9500	.6134-02	.7823-02	1.008	7.454	545.4
552	19.845	1.5720	2410.0	.1448	.1893	.1893	.9500	.6587-02	.8608-02	.9952	6.590	558.6
552	22.000	.86800	2156.0	.1587	.2119	.2119	.9500	.7214-02	.9635-02	1.019	8.495	568.4

IH102 HEAT TRANSFER TEST AEDC TUNNEL A (V41B-67)

IH102 60-0 UPPER MID FUSELAGE

(R4WN25)

RUN NUMBER	XO MS	YO MS	I/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
552	22.000	1.5720	2155.0	.1466	.1929	.1929	.9500	.6668-02	.8770-02	.9869	7.098	561.7
552	22.610	.14000-01	2036.0	.4299	.6813	.6813	.9500	.1955-01	.3098-01	1.880	14.55	613.5
552	22.640	.30800	2160.0	.4046	.5946	.5946	.9500	.1840-01	.2704-01	2.043	14.47	598.6
552	22.640	.86800	2159.0	.3191	.4614	.4614	.9500	.1451-01	.2098-01	1.669	13.73	594.7
552	22.640	1.2180	2158.0	.2691	.3852	.3852	.9500	.1224-01	.1751-01	1.440	12.63	592.0
552	22.640	1.5820	2157.0	.2243	.3016	.3016	.9500	.1020-01	.1372-01	1.410	10.16	571.4

IH102 60-0 UPPER MID FUSELAGE (R4WN27)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
541	3.513	4.020	-14.45	-.9979-02	57.90	709.7	167.7	.3713	4.200	2552.	.5976-02	.1349-06
542	3.521	4.020	-14.32	.0000	57.91	708.7	167.5	.3714	4.201	2550.	.5986-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
541	.4548-01	.1239-01
542	.4548-01	.1238-01

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
541	9.7050	1.1010	2088.0	.1944-01	.2442-01	.2442-01	.9500	.8841-03	.1111-02	.1537	1.323	535.8
541	9.7170	.67200	2089.0	.1617-01	.2019-01	.2019-01	.9500	.7352-03	.9185-03	.1307	.9454	531.8
541	9.7990	1.7090	2087.0	.5534-01	.7113-01	.7113-01	.9500	.2517-02	.3235-02	.4023	2.883	549.8
541	10.806	.86700	2103.0	.1137-01	.1432-01	.1432-01	.9500	.5171-03	.6514-03	.8903-01	1.327	537.5
541	10.806	1.6380	2102.0	.3037-01	.3835-01	.3835-01	.9500	.1381-02	.1744-02	.2354	2.286	539.2
542	13.077	.86800	2125.0	.7472-01	.9681-01	.9681-01	.9500	.3398-02	.4402-02	.5279	4.036	553.3
542	13.077	1.6840	2122.0	.3758-01	.4787-01	.4787-01	.9500	.1709-02	.2177-02	.2818	2.492	543.8
542	13.107	.28000	2127.0	.6346-01	.8245-01	.8245-01	.9500	.2886-02	.3749-02	.4441	4.016	554.8
542	13.107	.56000	2126.0	.7444-01	.9658-01	.9658-01	.9500	.3385-02	.4392-02	.5231	4.068	554.1
542	13.107	1.1280	2124.0	.7397-01	.9513-01	.9513-01	.9500	.3364-02	.4326-02	.5358	3.865	549.4
542	15.347	.86800	2140.0	.6269-01	.7994-01	.7994-01	.9500	.2851-02	.3635-02	.4681	3.583	544.5
542	15.347	1.5840	2139.0	.4487-01	.5648-01	.5648-01	.9500	.2041-02	.2568-02	.3519	2.336	536.2
542	17.549	1.1200	2405.0	.4976-01	.6367-01	.6367-01	.9500	.2263-02	.2896-02	.3668	2.535	546.5
542	17.574	.28000	2408.0	.4446-01	.5739-01	.5739-01	.9500	.2022-02	.2610-02	.3181	2.716	551.3
542	17.574	.56000	2407.0	.5080-01	.6549-01	.6549-01	.9500	.2310-02	.2978-02	.3648	2.852	550.8
542	17.574	1.5720	2404.0	.3455-01	.4403-01	.4403-01	.9500	.1571-02	.2002-02	.2585	1.913	544.1
542	19.845	1.5720	2410.0	.3505-01	.4503-01	.4503-01	.9500	.1594-02	.2048-02	.2548	1.696	548.8
542	22.000	.86800	2156.0	.3533-01	.4573-01	.4573-01	.9500	.1607-02	.2079-02	.2504	2.104	552.8
542	22.000	1.5720	2155.0	.4593-01	.5934-01	.5934-01	.9500	.2089-02	.2699-02	.3276	2.368	551.8

IH102 60-0 UPPER MID FUSELAGE (R4WN27)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
542	22.610	.14000-01	2036.0	.1002	.1423	.1423	.9500	.4558-02	.6471-02	.5463	4.281	588.8
542	22.640	.30800	2160.0	.1115	.1539	.1539	.9500	.5073-02	.6999-02	.6532	4.671	579.9
542	22.640	.86800	2159.0	.1072	.1477	.1477	.9500	.4877-02	.6719-02	.6305	5.228	579.4
542	22.640	1.2180	2158.0	.1033	.1423	.1423	.9500	.4697-02	.6469-02	.6075	5.362	579.3
542	22.640	1.5820	2157.0	.1017	.1354	.1354	.9500	.4623-02	.6158-02	.6573	4.747	566.5

IH102 60-0 UPPER MID FUSELAGE (R4WN28)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
538	3.508	4.020	.0000	-14.44	57.94	710.7	167.9	.3716	4.204	2554.	.5973-02	.1351-06
539	3.509	4.020	-.5113-02	-14.34	57.83	709.7	167.7	.3709	4.195	2552.	.5969-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
538	.4551-01	.1240-01
539	.4545-01	.1240-01

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
538	9.7050	1.1010	2088.0	.4509-01	.5744-01	.5744-01	.9500	.2052-02	.2614-02	.3394	2.906	545.3
538	9.7170	.67200	2089.0	.7341-02	.9117-02	.9117-02	.9500	.3341-03	.4149-03	.6095-01	.4415	528.2
538	9.7990	1.7090	2087.0	.8128-01	.1065	.1065	.9500	.3699-02	.4845-02	.5560	3.963	560.4
538	10.806	.86700	2103.0	.7412-02	.9209-02	.9209-02	.9500	.3373-03	.4191-03	.6144-01	.9198	528.5
538	10.806	1.6380	2102.0	.5375-01	.6885-01	.6885-01	.9500	.2446-02	.3133-02	.3963	3.829	548.7
539	13.077	.86800	2125.0	.3245-01	.3983-01	.3983-01	.9500	.1475-02	.1811-02	.2823	2.198	518.2
539	13.077	1.6840	2122.0	.5530-01	.7050-01	.7050-01	.9500	.2514-02	.3204-02	.4138	3.657	545.0
539	13.107	.28000	2127.0	.2006-01	.2449-01	.2449-01	.9500	.9120-03	.1113-02	.1790	1.653	513.4
539	13.107	.56000	2126.0	.2629-01	.3217-01	.3217-01	.9500	.1195-02	.1462-02	.2320	1.840	515.5
539	13.107	1.1280	2124.0	.4296-01	.5307-01	.5307-01	.9500	.1953-02	.2412-02	.3635	2.657	523.5
539	15.347	.86800	2140.0	.3520-01	.4309-01	.4309-01	.9500	.1600-02	.1958-02	.3104	2.411	515.7
539	15.347	1.5840	2139.0	.5744-01	.7135-01	.7135-01	.9500	.2611-02	.3243-02	.4754	3.169	527.6
539	17.549	1.1200	2405.0	.3673-01	.4558-01	.4558-01	.9500	.1669-02	.2072-02	.3050	2.128	527.0
539	17.574	.28000	2408.0	.2021-01	.2491-01	.2491-01	.9500	.9188-03	.1132-02	.1729	1.498	521.5
539	17.574	.56000	2407.0	.2545-01	.3143-01	.3143-01	.9500	.1157-02	.1429-02	.2157	1.710	523.2
539	17.574	1.5720	2404.0	.4125-01	.5155-01	.5155-01	.9500	.1875-02	.2343-02	.3331	2.480	532.0
539	19.845	1.5720	2410.0	.3325-01	.4162-01	.4162-01	.9500	.1511-02	.1892-02	.2665	1.788	533.3
539	22.000	.86800	2156.0	.3072-01	.3849-01	.3849-01	.9500	.1396-02	.1749-02	.2455	2.083	533.8
539	22.000	1.5720	2155.0	.3295-01	.4104-01	.4104-01	.9500	.1498-02	.1865-02	.2698	1.973	529.5

IH102 HEAT TRANSFER TEST AEDC TUNNEL A (V41B-67)

IH102 60-0 UPPER MID FUSELAGE

(R4WN28)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
539	22.610	.14000-01	2036.0	.4000-01	.5075-01	.5075-01	.9500	.1818-02	.2307-02	.3044	2.442	542.2
539	22.640	.30800	2160.0	.4855-01	.6169-01	.6169-01	.9500	.2207-02	.2804-02	.3678	2.680	543.0
539	22.640	.86800	2159.0	.4939-01	.6252-01	.6252-01	.9500	.2245-02	.2842-02	.3794	3.207	540.7
539	22.640	1.2180	2158.0	.5730-01	.7330-01	.7330-01	.9500	.2605-02	.3332-02	.4235	3.799	547.1
539	22.640	1.5820	2157.0	.8019-01	.1026	.1026	.9500	.3645-02	.4665-02	.5914	4.312	547.4

IH102 60-0 UPPER MID FUSELAGE (R4WN29)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
544	1.049	4.010	-.3200-01	-.1117-04	17.13	707.7	167.9	.1113	1.253	2547.	.1790-02	.1351-06
545	1.047	4.010	-.3400-01	-.1187-04	17.13	708.7	168.1	.1113	1.253	2549.	.1788-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
544	.2483-01	.2264-01
545	.2484-01	.2265-01

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
544	9.7050	1.1010	2088.0	.1226-01	.1517-01	.1517-01	.9500	.3043-03	.3767-03	.5606-01	.4854	523.5
544	9.7990	1.7090	2087.0	.3594-01	.4462-01	.4462-01	.9500	.8922-03	.1108-02	.1622	1.177	525.8
544	10.806	1.6380	2102.0	.1547-01	.1911-01	.1911-01	.9500	.3842-03	.4745-03	.7142-01	.6997	521.8
545	22.000	.86800	2156.0	.8974-02	.1141-01	.1141-01	.9500	.2229-03	.2834-03	.3700-01	.3124	542.7
545	22.000	1.5720	2155.0	.8426-02	.1066-01	.1066-01	.9500	.2093-03	.2647-03	.3539-01	.2574	539.5
545	22.610	.14000-01	2036.0	.1988-02	.2614-02	.2614-02	.9500	.4937-04	.6492-04	.7307-02	.5807-01	560.7
545	22.640	.30800	2160.0	.2861-01	.3730-01	.3730-01	.9500	.7106-03	.9263-03	.1081	.7822	556.5
545	22.640	.86800	2159.0	.3635-01	.4734-01	.4734-01	.9500	.9030-03	.1176-02	.1378	1.156	556.0
545	22.640	1.2180	2158.0	.3774-01	.4924-01	.4924-01	.9500	.9374-03	.1223-02	.1422	1.269	557.0
545	22.640	1.5820	2157.0	.4859-01	.6261-01	.6261-01	.9500	.1207-02	.1555-02	.1910	1.391	550.4

IH102 60-0 UPPER MID FUSELAGE (R4WN29)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
535	3.519	4.020	.1200-01	.8378-05	58.00	709.7	167.7	.3720	4.208	2552.	.5987-02	.1349-06
536	3.512	4.020	.1600-01	.1117-04	57.88	709.7	167.7	.3712	4.199	2552.	.5975-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
535	.4552-01	.1238-01
536	.4548-01	.1239-01

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
535	9.7050	1.1010	2088.0	.2035-01	.2551-01	.2551-01	.9500	.9266-03	.1161-02	.1627	1.401	534.1
535	9.7170	.67200	2089.0	.8386-02	.1041-01	.1041-01	.9500	.3818-03	.4737-03	.6980-01	.5060	526.8
535	9.7990	1.7090	2087.0	.3631-01	.4614-01	.4614-01	.9500	.1653-02	.2101-02	.2754	1.980	543.1
535	10.806	.86700	2103.0	.3635-02	.4474-02	.4474-02	.9500	.1655-03	.2037-03	.3128-01	.4701	520.6
535	10.806	1.6380	2102.0	.2181-01	.2736-01	.2736-01	.9500	.9931-03	.1246-02	.1738	1.692	534.6
536	13.077	.86800	2125.0	.1153-01	.1419-01	.1419-01	.9500	.5242-03	.6455-03	.9896-01	.7693	520.9
536	13.077	1.6840	2122.0	.8880-02	.1097-01	.1097-01	.9500	.4038-03	.4989-03	.7520-01	.6718	523.5
536	13.107	.28000	2127.0	.7927-02	.9742-02	.9742-02	.9500	.3605-03	.4430-03	.6864-01	.6321	519.2
536	13.107	.56000	2126.0	.9463-02	.1161-01	.1161-01	.9500	.4303-03	.5279-03	.8259-01	.6543	517.7
536	13.107	1.1280	2124.0	.1416-01	.1744-01	.1744-01	.9500	.6438-03	.7929-03	.1215	.8891	521.0
536	15.347	.86800	2140.0	.2171-01	.2673-01	.2673-01	.9500	.9874-03	.1216-02	.1867	1.446	520.6
536	15.347	1.5840	2139.0	.3098-01	.3824-01	.3824-01	.9500	.1409-02	.1739-02	.2633	1.760	522.8
536	17.549	1.1200	2405.0	.2473-01	.3078-01	.3078-01	.9500	.1125-02	.1400-02	.2030	1.415	529.1
536	17.574	.28000	2408.0	.2067-01	.2595-01	.2595-01	.9500	.9400-03	.1180-02	.1638	1.410	535.4
536	17.574	.56000	2407.0	.2569-01	.3224-01	.3224-01	.9500	.1168-02	.1466-02	.2038	1.606	535.2
536	17.574	1.5720	2404.0	.2708-01	.3380-01	.3380-01	.9500	.1231-02	.1537-02	.2198	1.638	531.2
536	19.845	1.5720	2410.0	.2753-01	.3462-01	.3462-01	.9500	.1252-02	.1574-02	.2169	1.452	536.4
536	22.000	.86800	2156.0	.3340-01	.4256-01	.4256-01	.9500	.1519-02	.1935-02	.2507	2.115	544.7
536	22.000	1.5720	2155.0	.4032-01	.5132-01	.5132-01	.9500	.1834-02	.2334-02	.3037	2.204	544.1

IH102 60-0 UPPER MID FUSELAGE (R4WN29)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
536	22.610	.14000-01	2036.0	.5976-01	.7992-01	.7992-0	.9500	.2717-02	.3634-02	.3822	3.025	569.0
536	22.640	.30800	2160.0	.6944-01	.9167-01	.9167-0	.9500	.3158-02	.4169-02	.4622	3.332	563.3
536	22.640	.86800	2159.0	.6322-01	.8239-01	.8239-0	.9500	.2875-02	.3747-02	.4384	3.675	557.2
536	22.640	1.2180	2158.0	.5793-01	.7507-01	.7507-0	.9500	.2634-02	.3414-02	.4093	3.657	554.3
536	22.640	1.5820	2157.0	.6106-01	.7846-01	.7846-0	.9500	.2777-02	.3568-02	.4444	3.237	549.6

IH102 60-OTS UPPER MID FUSELAGE (R4WN30)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
490	3.503	3.010	-5.021	-11.00	33.83	709.7	252.4	.9073	5.754	2344.	.9703-02	.2018-06
491	3.507	3.010	-5.043	-11.03	33.87	709.7	252.4	.9082	5.760	2344.	.9713-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
490	.5320-01	.9719-02
491	.5322-01	.9714-02

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
490	9.7050	1.1010	2088.0	.5361-01	.7231-01	.7231-01	.9500	.2852-02	.3846-02	.3914	3.306	572.4
490	9.7170	.67200	2089.0	.7254-01	.9872-01	.9872-01	.9500	.3859-02	.5252-02	.5163	3.651	575.9
490	9.7990	1.7090	2087.0	.9232-01	.1289	.1289	.9500	.4911-02	.6859-02	.6137	4.322	584.7
490	10.806	.86700	2103.0	.1607-01	.2134-01	.2134-01	.9500	.8550-03	.1135-02	.1229	1.805	565.9
490	10.806	1.6380	2102.0	.7332-01	.1021	.1021	.9500	.3900-02	.5433-02	.4905	4.657	583.9
491	13.077	.86800	2125.0	.5556-01	.7199-01	.7199-01	.9500	.2957-02	.3831-02	.4597	3.513	554.2
491	13.077	1.6840	2122.0	.5199-01	.6897-01	.6897-01	.9500	.2767-02	.3671-02	.3987	3.486	565.6
491	13.107	.28000	2127.0	.4402-01	.5687-01	.5687-01	.9500	.2343-02	.3027-02	.3677	3.329	552.7
491	13.107	.56000	2126.0	.5472-01	.7081-01	.7081-01	.9500	.2913-02	.3769-02	.4550	3.539	553.5
491	13.107	1.1280	2124.0	.6143-01	.7959-01	.7959-01	.9500	.3270-02	.4236-02	.5086	3.660	554.1
491	15.347	.86800	2140.0	.5183-01	.6586-01	.6586-01	.9500	.2759-02	.3505-02	.4597	3.521	543.1
491	15.347	1.5840	2139.0	.6373-01	.8151-01	.8151-01	.9500	.3392-02	.4338-02	.5518	3.642	547.0
491	17.549	1.1200	2405.0	.4711-01	.6066-01	.6066-01	.9500	.2507-02	.3228-02	.3982	2.746	550.8
491	17.574	.28000	2408.0	.3611-01	.4657-01	.4657-01	.9500	.1922-02	.2479-02	.3036	2.591	551.7
491	17.574	.56000	2407.0	.4210-01	.5428-01	.5428-01	.9500	.2241-02	.2889-02	.3545	2.771	551.5
491	17.574	1.5720	2404.0	.4467-01	.5778-01	.5778-01	.9500	.2378-02	.3075-02	.3720	2.740	553.2
491	19.845	1.5720	2410.0	.4662-01	.6082-01	.6082-01	.9500	.2481-02	.3237-02	.3771	2.498	557.7
491	22.000	.86800	2156.0	.4671-01	.6153-01	.6153-01	.9500	.2486-02	.3275-02	.3664	3.064	562.3
491	22.000	1.5720	2155.0	.5522-01	.7199-01	.7199-01	.9500	.2939-02	.3832-02	.4477	3.227	557.3

IH102 60-OTS UPPER MID FUSELAGE (R4WN30)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
491	22.610	.14000-01	2036.0	.7057-01	.9591-01	.9591-01	.9500	.3756-02	.5105-02	.5045	3.980	575.4
491	22.640	.30800	2160.0	.8947-01	.1223	.1223	.9500	.4762-02	.6511-02	.6290	4.503	577.6
491	22.640	.86800	2159.0	.8567-01	.1165	.1165	.9500	.4560-02	.6203-02	.6109	5.074	575.7
491	22.640	1.2180	2158.0	.9279-01	.1290	.1290	.9500	.4939-02	.6864-02	.6247	5.503	583.2
491	22.640	1.5820	2157.0	.1209	.1681	.1681	.9500	.6434-02	.8945-02	.8133	5.825	583.3

IH102 60-OTS UPPER MID FUSELAGE (R4WN31)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
501	1.037	3.010	-5.026	-6.020	9.672	692.7	246.3	.2594	1.645	2316.	.2842-02	.1972-06
502	1.044	3.010	-4.963	-5.944	9.720	691.7	246.0	.2607	1.653	2314.	.2860-02	.1970-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
501	.2832-01	.1790-01
502	.2838-01	.1784-01

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
501	9.7050	1.1010	2088.0	.3414-01	.4342-01	.4342-01	.9500	.9668-03	.1230-02	.1566	1.351	530.7
501	9.7170	.67200	2089.0	.1503-01	.1912-01	.1912-01	.9500	.4256-03	.5415-03	.6891-01	.4986	530.8
501	9.7990	1.7090	2087.0	.5744-01	.7414-01	.7414-01	.9500	.1627-02	.2100-02	.2502	1.802	538.9
501	10.806	.86700	2103.0	.7989-02	.1004-01	.1004-01	.9500	.2262-03	.2844-03	.3833-01	.5753	523.3
501	10.806	1.6380	2102.0	.3437-01	.4385-01	.4385-01	.9500	.9735-03	.1242-02	.1560	1.520	532.4
502	13.077	.86800	2125.0	.1572-01	.1951-01	.1951-01	.9500	.4462-03	.5539-03	.7934-01	.6189	513.8
502	13.077	1.6840	2122.0	.4623-01	.5867-01	.5867-01	.9500	.1312-02	.1665-02	.2141	1.908	528.5
502	13.107	.28000	2127.0	.1861-01	.2322-01	.2322-01	.9500	.5282-03	.6591-03	.9200-01	.8480	517.5
502	13.107	.56000	2126.0	.1967-01	.2448-01	.2448-01	.9500	.5584-03	.6949-03	.9835-01	.7801	515.5
502	13.107	1.1280	2124.0	.2472-01	.3082-01	.3082-01	.9500	.7015-03	.8748-03	.1225	.8983	517.1
502	15.347	.86800	2140.0	.4696-01	.5858-01	.5858-01	.9500	.1333-02	.1663-02	.2323	1.803	517.4
502	15.347	1.5840	2139.0	.5310-01	.6628-01	.6628-01	.9500	.1507-02	.1881-02	.2622	1.757	517.7
502	17.549	1.1200	2405.0	.4663-01	.5930-01	.5930-01	.9500	.1323-02	.1683-02	.2141	1.492	529.9
502	17.574	.28000	2408.0	.2988-01	.3808-01	.3808-01	.9500	.8481-03	.1081-02	.1362	1.175	531.0
502	17.574	.56000	2407.0	.3953-01	.5040-01	.5040-01	.9500	.1122-02	.1431-02	.1800	1.421	531.3
502	17.574	1.5720	2404.0	.4238-01	.5406-01	.5406-01	.9500	.1203-02	.1534-02	.1926	1.435	531.6
502	19.845	1.5720	2410.0	.4094-01	.5262-01	.5262-01	.9500	.1162-02	.1493-02	.1810	1.212	535.9
502	22.000	.86800	2156.0	.4519-01	.5827-01	.5827-01	.9500	.1283-02	.1654-02	.1977	1.674	537.5
502	22.000	1.5720	2155.0	.4773-01	.6140-01	.6140-01	.9500	.1355-02	.1743-02	.2105	1.533	536.3

IH102 60-OTS UPPER MID FUSELAGE (R4WN31)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
502	22.610	.14000-01	2036.0	.6767-01	.8993-01	.8993-01	.9500	.1921-02	.2553-02	.2683	2.141	552.0
502	22.640	.30800	2160.0	.8634-01	.1137	.1137	.9500	.2451-02	.3227-02	.3523	2.560	547.9
502	22.640	.86800	2159.0	.8843-01	.1167	.1167	.9500	.2510-02	.3314-02	.3579	3.013	549.1
502	22.640	1.2180	2158.0	.9726-01	.1287	.1287	.9500	.2761-02	.3652-02	.3910	3.502	550.0
502	22.640	1.5820	2157.0	.1220	.1600	.1600	.9500	.3464-02	.4542-02	.5045	3.682	546.0

IH102 60-OTS UPPER MID FUSELAGE (R4WN31)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
483	3.541	3.010	-4.988	-5.949	34.12	708.7	252.0	.9151	5.804	2342.	.9801-02	.2015-06
484	3.532	3.010	-4.981	-5.945	34.04	708.7	252.0	.9129	5.790	2342.	.9777-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
483	.5341-01	.9668-02
484	.5335-01	.9680-02

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
483	9.7050	1.1010	2088.0	.4890-01	.6544-01	.6544-01	.9500	.2612-02	.3495-02	.3662	3.099	568.5
483	9.7170	.67200	2089.0	.4336-01	.5742-01	.5742-01	.9500	.2316-02	.3067-02	.3353	2.385	563.9
483	9.7990	1.7090	2087.0	.7305-01	.9931-01	.9931-01	.9500	.3902-02	.5304-02	.5227	3.699	574.7
483	10.806	.86700	2103.0	.1837-01	.2445-01	.2445-01	.9500	.9814-03	.1306-02	.1400	2.056	566.0
483	10.806	1.6380	2102.0	.5573-01	.7522-01	.7522-01	.9500	.2977-02	.4018-02	.4072	3.890	571.9
484	13.077	.86800	2125.0	.4386-01	.5779-01	.5779-01	.9500	.2340-02	.3083-02	.3439	2.618	561.7
484	13.077	1.6840	2122.0	.4405-01	.5917-01	.5917-01	.9500	.2350-02	.3156-02	.3260	2.845	569.9
484	13.107	.28000	2127.0	.3640-01	.4847-01	.4847-01	.9500	.1942-02	.2586-02	.2763	2.485	566.4
484	13.107	.56000	2126.0	.4342-01	.5752-01	.5752-01	.9500	.2316-02	.3068-02	.3349	2.592	564.1
484	13.107	1.1280	2124.0	.5279-01	.6981-01	.6981-01	.9500	.2816-02	.3724-02	.4095	2.933	563.3
484	15.347	.86800	2140.0	.4263-01	.5623-01	.5623-01	.9500	.2274-02	.2999-02	.3334	2.529	562.1
484	15.347	1.5840	2139.0	.6098-01	.8080-01	.8080-01	.9500	.3253-02	.4310-02	.4700	3.076	564.2
484	17.549	1.1200	2405.0	.5040-01	.6667-01	.6667-01	.9500	.2689-02	.3556-02	.3906	2.676	563.4
484	17.574	.28000	2408.0	.2829-01	.3768-01	.3768-01	.9500	.1509-02	.2010-02	.2146	1.818	566.5
484	17.574	.56000	2407.0	.4621-01	.6194-01	.6194-01	.9500	.2465-02	.3304-02	.3440	2.665	569.1
484	17.574	1.5720	2404.0	.4346-01	.5768-01	.5768-01	.9500	.2319-02	.3077-02	.3334	2.442	564.9
484	19.845	1.5720	2410.0	.4333-01	.5761-01	.5761-01	.9500	.2312-02	.3073-02	.3305	2.181	565.7
484	22.000	.86800	2156.0	.4731-01	.6467-01	.6467-01	.9500	.2524-02	.3450-02	.3331	2.766	576.7
484	22.000	1.5720	2155.0	.5177-01	.7032-01	.7032-01	.9500	.2762-02	.3751-02	.3710	2.652	574.3

IH102 60-OTS UPPER MID FUSELAGE (R4WN31)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
484	22.610	.14000-01	2036.0	.6566-01	.9494-01	.9494-0	.9500	.3503-02	.5064-02	.4024	3.146	593.8
484	22.640	.30800	2160.0	.9418-01	.1342	.1342	.9500	.5024-02	.7162-02	.5966	4.245	589.9
484	22.640	.86800	2159.0	.8461-01	.1229	.1229	.9500	.4514-02	.6554-02	.5137	4.226	594.9
484	22.640	1.2180	2158.0	.9141-01	.1350	.1350	.9500	.4876-02	.7201-02	.5353	4.679	598.9
484	22.640	1.5820	2157.0	.1121	.1607	.1607	.9500	.5979-02	.8575-02	.6999	4.992	591.6

IH102 60-OTS UPPER MID FUSELAGE (R4WN32)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
498	1.036	3.010	-4.926	-.1717-02	9.697	694.7	247.0	.2601	1.649	2319.	.2841-02	.1978-06
499	1.034	3.010	-4.936	.0000	9.661	693.7	246.7	.2591	1.643	2318.	.2835-02	.1975-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
498	.2837-01	.1791-01
499	.2831-01	.1792-01

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
498	9.7050	1.1010	2088.0	.2101-01	.2650-01	.2650-0	.9500	.5962-03	.7519-03	.9999-01	.8642	527.0
498	9.7170	.67200	2089.0	.1827-01	.2297-01	.2297-0	.9500	.5183-03	.6517-03	.8798-01	.6384	524.9
498	9.7990	1.7090	2087.0	.3444-01	.4372-01	.4372-0	.9500	.9771-03	.1240-02	.1598	1.156	531.1
498	10.806	.86700	2103.0	.3616-02	.4512-02	.4512-02	.9500	.1026-03	.1280-03	.1795-01	.2700	519.7
498	10.806	1.6380	2102.0	.2227-01	.2807-01	.2807-0	.9500	.6318-03	.7964-03	.1062	1.038	526.6
499	13.077	.86800	2125.0	.8004-02	.9935-02	.9935-02	.9500	.2266-03	.2813-03	.4044-01	.3152	515.2
499	13.077	1.6840	2122.0	.7702-02	.9631-02	.9631-02	.9500	.2181-03	.2727-03	.3776-01	.3379	520.5
499	13.107	.28000	2127.0	.7969-02	.9909-02	.9909-02	.9500	.2256-03	.2806-03	.3997-01	.3685	516.5
499	13.107	.56000	2126.0	.1490-01	.1857-01	.1857-0	.9500	.4218-03	.5257-03	.7401-01	.5862	518.2
499	13.107	1.1280	2124.0	.4171-02	.5172-02	.5172-02	.9500	.1181-03	.1464-03	.2116-01	.1554	514.5
499	15.347	.86800	2140.0	.1357-01	.1682-01	.1682-0	.9500	.3842-03	.4762-03	.6897-01	.5361	514.2
499	15.347	1.5840	2139.0	.4919-01	.6142-01	.6142-0	.9500	.1393-02	.1739-02	.2426	1.624	519.5
499	17.549	1.1200	2405.0	.3520-01	.4474-01	.4474-01	.9500	.9967-03	.1267-02	.1621	1.129	531.0
499	17.574	.28000	2408.0	.4367-02	.5524-02	.5524-02	.9500	.1237-03	.1564-03	.2049-01	.1770	528.0
499	17.574	.56000	2407.0	.2799-02	.3531-02	.3531-02	.9500	.7924-04	.9997-04	.1325-01	.1049	526.4
499	17.574	1.5720	2404.0	.3352-01	.4270-01	.4270-01	.9500	.9490-03	.1209-02	.1530	1.139	532.4
499	19.845	1.5720	2410.0	.3709-01	.4775-01	.4775-01	.9500	.1050-02	.1352-02	.1632	1.092	538.2
499	22.000	.86800	2156.0	.4087-01	.5290-01	.5290-0	.9500	.1157-02	.1498-02	.1765	1.491	541.2
499	22.000	1.5720	2155.0	.6194-01	.8047-01	.8047-01	.9500	.1754-02	.2278-02	.2642	1.918	543.0

IH102 60-OTS UPPER MID FUSELAGE (R4WN32)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
499	22.610	.14000-01	2036.0	.8513-01	.1153	.1153	.9500	.2410-02	.3166-02	.3191	2.535	561.3
499	22.640	.30800	2160.0	.1060	.1417	.1417	.9500	.3002-02	.4013-02	.4132	2.990	556.0
499	22.640	.86800	2159.0	.1036	.1372	.1372	.9500	.2932-02	.3883-02	.4150	3.488	552.1
499	22.640	1.2180	2158.0	.8583-01	.1130	.1130	.9500	.2430-02	.3199-02	.3506	3.141	549.4
499	22.640	1.5820	2157.0	.9294-01	.1215	.1215	.9500	.2631-02	.3441-02	.3878	2.830	546.3

IH102 60-OTS UPPER MID FUSELAGE (R4WN32)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
472	3.513	3.010	-4.930	-.1719-02	33.93	709.7	252.4	.9098	5.770	2344.	.9730-02	.2018-06
473	3.518	3.010	-4.936	.0000	33.90	708.7	252.0	.9092	5.766	2342.	.9737-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
472	.5327-01	.9705-02
473	.5324-01	.9700-02

TEST DATA

RUN NUMBER	XO MS	YO MS	TAC NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
472	9.7050	1.1010	2088.0	.3559-01	.4661-01	.4661-01	.9500	.1896-02	.2483-02	.2846	2.420	559.6
472	9.7170	.67200	2089.0	.3203-01	.4153-01	.4153-01	.9500	.1706-02	.2212-02	.2649	1.894	554.4
472	9.7990	1.7090	2087.0	.5818-01	.7723-01	.7723-01	.9500	.3099-02	.4114-02	.4458	3.169	565.8
472	10.806	.86700	2103.0	.8321-02	.1087-01	.1087-01	.9500	.4433-03	.5793-03	.6700-01	.9878	558.5
472	10.806	1.6380	2102.0	.4532-01	.5986-01	.5986-01	.9500	.2414-02	.3189-02	.3528	3.384	563.6
473	13.077	.86800	2125.0	.4355-01	.5727-01	.5727-01	.9500	.2319-02	.3049-02	.3429	2.612	560.8
473	13.077	1.6840	2122.0	.3956-01	.5235-01	.5235-01	.9500	.2106-02	.2787-02	.3054	2.674	563.6
473	13.107	.28000	2127.0	.4407-01	.5922-01	.5922-01	.9500	.2346-02	.3153-02	.3251	2.917	570.1
473	13.107	.56000	2126.0	.4323-01	.5738-01	.5738-01	.9500	.2301-02	.3055-02	.3306	2.558	565.0
473	13.107	1.1280	2124.0	.4700-01	.6167-01	.6167-01	.9500	.2502-02	.3283-02	.3728	2.675	559.7
473	15.347	.86800	2140.0	.4792-01	.6316-01	.6316-01	.9500	.2551-02	.3363-02	.3745	2.841	561.9
473	15.347	1.5840	2139.0	.5799-01	.7629-01	.7629-01	.9500	.3087-02	.4062-02	.4559	2.988	561.0
473	17.549	1.1200	2405.0	.4495-01	.5898-01	.5888-01	.9500	.2393-02	.3140-02	.3566	2.448	559.7
473	17.574	.28000	2408.0	.3745-01	.5014-01	.5014-01	.9500	.1994-02	.2670-02	.2791	2.362	568.7
473	17.574	.56000	2407.0	.4617-01	.6169-01	.6169-01	.9500	.2458-02	.3284-02	.3462	2.683	567.8
473	17.574	1.5720	2404.0	.5771-01	.7725-01	.7725-01	.9500	.3072-02	.4112-02	.4303	3.146	568.6
473	19.845	1.5720	2410.0	.6229-01	.8388-01	.8388-01	.9500	.3316-02	.4466-02	.4566	3.004	571.0
473	22.000	.86800	2156.0	.4574-01	.6215-01	.6215-01	.9500	.2435-02	.3309-02	.3269	2.717	574.5
473	22.000	1.5720	2155.0	.6554-01	.8985-01	.8985-01	.9500	.3489-02	.4783-02	.4570	3.261	577.7

IH102 60-OTS UPPER MID FUSELAGE (R4WN32)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
473	22.610	.14000-01	2036.0	.8203-01	.1226	.1226	.9500	.4367-02	.6528-02	.4675	3.640	601.6
473	22.640	.30800	2160.0	.8958-01	.1286	.1286	.9500	.4769-02	.6844-02	.5574	3.963	591.8
473	22.640	.86800	2159.0	.7641-01	.1084	.1084	.9500	.4068-02	.5774-02	.4879	4.026	588.7
473	22.640	1.2180	2158.0	.7790-01	.1111	.1111	.9500	.4147-02	.5913-02	.4922	4.321	590.0
473	22.640	1.5820	2157.0	.9670-01	.1368	.1368	.9500	.5148-02	.7281-02	.6227	4.450	587.7

IH102 60-OTS UPPER MID FUSELAGE (R4WN33)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
486	3.516	3.010	-.1548-01	-10.95	33.96	709.7	252.4	.9106	5.775	2344.	.9739-02	.2018-06
487	3.524	3.010	-.2714-01	-10.97	34.03	709.7	252.4	.9127	5.789	2344.	.9761-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
486	.5329-01	.9701-02
487	.5336-01	.9690-02

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
486	9.7050	1.1010	2088.0	.4358-01	.5812-01	.5812-0	.9500	.2322-02	.3097-02	.3293	2.788	567.9
486	9.7170	.67200	2089.0	.3566-01	.4833-01	.4833-0	.9500	.1901-02	.2576-02	.2574	1.822	574.3
486	9.7990	1.7090	2087.0	.6747-01	.9463-01	.9463-0	.9500	.3596-02	.5043-02	.4444	3.128	586.1
486	10.806	.86700	2103.0	.1248-01	.1622-01	.1622-0	.9500	.6651-03	.8647-03	.1022	1.509	556.0
486	10.806	1.6380	2102.0	.4645-01	.6353-01	.6353-0	.9500	.2476-02	.3386-02	.3268	3.112	577.7
487	13.077	.86800	2125.0	.3182-01	.4105-01	.4105-0	.9500	.1698-02	.2190-02	.2679	2.050	551.9
487	13.077	1.6840	2122.0	.2517-01	.3335-01	.3335-0	.9500	.1343-02	.1779-02	.1944	1.700	564.9
487	13.107	.28000	2127.0	.3331-01	.4333-01	.4333-0	.9500	.1777-02	.2312-02	.2727	2.465	556.2
487	13.107	.56000	2126.0	.3637-01	.4722-01	.4722-0	.9500	.1941-02	.2519-02	.2998	2.330	555.2
487	13.107	1.1280	2124.0	.3062-01	.3968-01	.3968-0	.9500	.1634-02	.2117-02	.2539	1.827	554.2
487	15.347	.86800	2140.0	.2765-01	.3559-01	.3559-0	.9500	.1475-02	.1899-02	.2348	1.792	550.5
487	15.347	1.5840	2139.0	.4144-01	.5390-01	.5390-0	.9500	.2211-02	.2876-02	.3395	2.230	556.1
487	17.549	1.1200	2405.0	.2381-01	.3099-01	.3099-0	.9500	.1271-02	.1653-02	.1947	1.339	556.4
487	17.574	.28000	2408.0	.2088-01	.2698-01	.2698-0	.9500	.1114-02	.1439-02	.1749	1.492	552.7
487	17.574	.56000	2407.0	.2721-01	.3530-01	.3530-0	.9500	.1452-02	.1884-02	.2247	1.753	554.9
487	17.574	1.5720	2404.0	.2676-01	.3528-01	.3528-0	.9500	.1428-02	.1882-02	.2098	1.538	562.7
487	19.845	1.5720	2410.0	.2272-01	.3003-01	.3003-0	.9500	.1212-02	.1602-02	.1768	1.168	563.8
487	22.000	.86800	2156.0	.2575-01	.3478-01	.3478-0	.9500	.1374-02	.1856-02	.1879	1.563	572.9
487	22.000	1.5720	2155.0	.2433-01	.3238-01	.3238-0	.9500	.1298-02	.1728-02	.1852	1.329	567.0

IH102 60-OTS UPPER MID FUSELAGE (R4WN33)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
487	22.610	.14000-01	2036.0	.2754-01	.3907-01	.3907-01	.9500	.1469-02	.2085-02	.1767	1.384	589.4
487	22.640	.30800	2160.0	.2827-01	.4060-01	.4060-01	.9500	.1508-02	.2166-02	.1763	1.252	592.8
487	22.640	.86800	2159.0	.4092-01	.5754-01	.5754-01	.9500	.2184-02	.3070-02	.2683	2.216	586.8
487	22.640	1.2180	2158.0	.3959-01	.5701-01	.5701-01	.9500	.2113-02	.3042-02	.2454	2.151	593.5
487	22.640	1.5820	2157.0	.5180-01	.7543-01	.7543-01	.9500	.2764-02	.4024-02	.3131	2.228	596.4

IH102 60-OTS UPPER MID FUSELAGE (R4WN36)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
480	3.536	3.010	-.1468-01	-5.986	34.08	708.7	252.0	.9140	5.797	2342.	.9789-02	.2015-06
481	3.523	3.010	-.1048-01	-5.980	33.95	708.7	252.0	.9105	5.774	2342.	.9751-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
480	.5338-01	.9674-02
481	.5328-01	.9693-02

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
480	9.7050	1.1010	2088.0	.3807-01	.5027-01	.5027-0	.9500	.2032-02	.2683-02	.2967	2.519	562.7
480	9.7170	.67200	2089.0	.4369-01	.5886-01	.5886-0	.9500	.2332-02	.3142-02	.3207	2.274	571.2
480	9.7990	1.7090	2087.0	.5530-01	.7467-01	.7467-0	.9500	.2952-02	.3986-02	.4030	2.856	572.1
480	10.806	.86700	2103.0	.1090-01	.1411-01	.1411-0	.9500	.5817-03	.7534-03	.9043-01	1.337	553.2
480	10.806	1.6380	2102.0	.3989-01	.5327-01	.5327-0	.9500	.2129-02	.2843-02	.3005	2.877	567.5
481	13.077	.86800	2125.0	.3601-01	.4677-01	.4677-0	.9500	.1918-02	.2492-02	.2954	2.257	554.7
481	13.077	1.6840	2122.0	.2534-01	.3341-01	.3341-0	.9500	.1350-02	.1780-02	.1979	1.734	562.0
481	13.107	.28000	2127.0	.3175-01	.4140-01	.4140-0	.9500	.1691-02	.2206-02	.2570	2.322	556.7
481	13.107	.56000	2126.0	.3827-01	.4982-01	.4982-0	.9500	.2039-02	.2654-02	.3117	2.422	555.8
481	13.107	1.1280	2124.0	.3671-01	.4764-01	.4764-0	.9500	.1956-02	.2538-02	.3018	2.172	554.3
481	15.347	.86800	2140.0	.3548-01	.4594-01	.4594-0	.9500	.1890-02	.2448-02	.2940	2.240	553.1
481	15.347	1.5840	2139.0	.2951-01	.3799-01	.3799-0	.9500	.1572-02	.2024-02	.2494	1.644	550.0
481	17.549	1.1200	2405.0	.2650-01	.3417-01	.3417-0	.9500	.1412-02	.1820-02	.2229	1.537	550.8
481	17.574	.28000	2408.0	.2773-01	.3609-01	.3609-0	.9500	.1477-02	.1923-02	.2260	1.925	555.7
481	17.574	.56000	2407.0	.3184-01	.4130-01	.4130-0	.9500	.1696-02	.2200-02	.2625	2.049	553.9
481	17.574	1.5720	2404.0	.2861-01	.3711-01	.3711-0	.9500	.1524-02	.1977-02	.2359	1.737	553.9
481	19.845	1.5720	2410.0	.3175-01	.4156-01	.4156-0	.9500	.1692-02	.2214-02	.2540	1.682	558.5
481	22.000	.86800	2156.0	.4179	.5603-01	.5603-0	.9500	.2226-02	.2985-02	.3102	2.585	569.3
481	22.000	1.5720	2155.0	.4815-	.6430-01	.6430-0	.9500	.2565-02	.3426-02	.3618	2.594	567.6

IH102 60-OTS UPPER MID FUSELAGE (R4WN36)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
481	22.610	.14000-01	2036.0	.4821-01	.6702-01	.6702-01	.9500	.2568-02	.3571-02	.3242	2.548	582.5
481	22.640	.30800	2160.0	.5309-01	.7409-01	.7409-01	.9500	.2828-02	.3947-02	.3536	2.523	583.7
481	22.640	.86800	2159.0	.6575-01	.9192-01	.9192-01	.9500	.3503-02	.4897-02	.4359	3.605	584.2
481	22.640	1.2180	2158.0	.6363-01	.9083-01	.9083-01	.9500	.3390-02	.4839-02	.4012	3.522	590.3
481	22.640	1.5820	2157.0	.7885-01	.1128	.1128	.9500	.4201-02	.6009-02	.4947	3.530	590.9

IH102 60-OTS UPPER MID FUSELAGE (R4WN38)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
475	3.525	3.010	.1051-02	-3.008	33.97	708.7	252.0	.9111	5.778	2342.	.9758-02	.2015-06
476	3.534	3.010	.4540-07	-3.044	34.06	708.7	252.0	.9135	5.794	2342.	.9784-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
475	.5329-01	.9690-02
476	.5337-01	.9677-02

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
475	9.7050	1.1010	2088.0	.3016-01	.3998-01	.3998-01	.9500	.1608-02	.2131-02	.2319	1.967	564.4
475	9.7170	.67200	2089.0	.3492-01	.4684-01	.4684-01	.9500	.1861-02	.2496-02	.2591	1.838	569.5
475	9.7990	1.7090	2087.0	.4432-01	.5997-01	.5997-01	.9500	.2362-02	.3196-02	.3207	2.272	572.9
475	10.806	.86700	2103.0	.9721-02	.1275-01	.1275-01	.9500	.5181-03	.6796-03	.7723-01	1.138	559.6
475	10.806	1.6380	2102.0	.3231-01	.4321-01	.4321-01	.9500	.1722-02	.2303-02	.2417	2.313	568.3
476	13.077	.86800	2125.0	.3180-01	.4158-01	.4158-01	.9500	.1697-02	.2219-02	.2557	1.950	558.0
476	13.077	1.6840	2122.0	.2015-01	.2675-01	.2675-01	.9500	.1076-02	.1427-02	.1546	1.352	565.0
476	13.107	.28000	2127.0	.2983-01	.3922-01	.3922-01	.9500	.1592-02	.2093-02	.2356	2.124	560.7
476	13.107	.56000	2126.0	.3414-01	.4477-01	.4477-01	.9500	.1822-02	.2389-02	.2719	2.109	559.4
476	13.107	1.1280	2124.0	.3288-01	.4313-01	.4313-01	.9500	.1755-02	.2301-02	.2618	1.879	559.5
476	15.347	.86800	2140.0	.3538-01	.4640-01	.4640-01	.9500	.1888-02	.2476-02	.2816	2.139	559.5
476	15.347	1.5840	2139.0	.3290-01	.4313-01	.4313-01	.9500	.1756-02	.2301-02	.2623	1.721	559.3
476	17.549	1.1200	2405.0	.3253-01	.4275-01	.4275-01	.9500	.1736-02	.2281-02	.2572	1.765	560.5
476	17.574	.28000	2408.0	.2155-01	.2832-01	.2832-01	.9500	.1150-02	.1511-02	.1706	1.449	560.4
476	17.574	.56000	2407.0	.3389-01	.4488-01	.4488-01	.9500	.1809-02	.2395-02	.2618	2.033	563.9
476	17.574	1.5720	2404.0	.2194-01	.2883-01	.2883-01	.9500	.1171-02	.1539-02	.1735	1.273	560.5
476	19.845	1.5720	2410.0	.1930-01	.2544-01	.2544-01	.9500	.1030-02	.1357-02	.1511	.9991	561.9
476	22.000	.86800	2156.0	.1774-01	.2393-01	.2393-01	.9500	.9469-03	.1277-02	.1298	1.080	571.6
476	22.000	1.5720	2155.0	.3875-01	.5216-01	.5216-01	.9500	.2068-02	.2783-02	.2852	2.042	570.8

IH102 60-OTS UPPER MID FUSELAGE (R4WN38)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
476	22.610	.14000-01	2036.0	.9961-01	.1455	.1455	.9500	.5316-02	.7767-02	.5967	4.659	596.4
476	22.640	.30800	2160.0	.7023-01	.1002	.1002	.9500	.3748-02	.5345-02	.4443	3.161	590.1
476	22.640	.86800	2159.0	.4677-01	.6590-01	.6590-01	.9500	.2496-02	.3517-02	.3048	2.518	586.6
476	22.640	1.2180	2158.0	.3476-01	.4958-01	.4958-01	.9500	.1855-02	.2646-02	.2198	1.929	590.2
476	22.640	1.5820	2157.0	.3578-01	.5122-01	.5122-01	.9500	.1909-02	.2733-02	.2245	1.601	591.1

IH102 60-OTS UPPER MID FUSELAGE (R4WN39)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
495	1.043	3.010	.3200-01	.1117-04	9.907	701.7	249.5	.2657	1.685	2331.	.2874-02	.1997-06
496	1.036	3.010	.3200-01	.1117-04	9.766	697.7	248.1	.2619	1.661	2324.	.2849-02	.1986-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
495	.2873-01	.1783-01
496	.2850-01	.1789-01

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
495	9.7050	1.1010	2088.0	.1739-01	.2195-01	.2195-01	.9500	.4997-03	.6305-03	.8447-01	.7280	532.6
495	9.7170	.67200	2089.0	.3094-02	.3872-02	.3872-02	.9500	.8889-04	.1112-03	.1552-01	.1125	527.1
495	9.7990	1.7090	2087.0	.3274-01	.4170-01	.4170-01	.9500	.9406-03	.1198-02	.1536	1.107	538.4
495	10.806	.86700	2103.0	.3728-02	.4667-02	.4667-02	.9500	.1071-03	.1341-03	.1868-01	.2798	527.2
495	10.806	1.6380	2102.0	.1841-01	.2337-01	.2337-01	.9500	.5288-03	.6713-03	.8743-01	.8501	536.4
496	13.077	.86800	2125.0	.6309-02	.7791-02	.7791-02	.9500	.1798-03	.2220-03	.3296-01	.2571	514.3
496	13.077	1.6840	2122.0	.3422-01	.4304-01	.4304-01	.9500	.9751-03	.1226-02	.1660	1.480	527.4
496	13.107	.28000	2127.0	.5557-02	.6894-02	.6894-02	.9500	.1583-03	.1964-03	.2848-01	.2624	517.8
496	13.107	.56000	2126.0	.7696-02	.9553-02	.9553-02	.9500	.2193-03	.2722-03	.3935-01	.3117	518.2
496	13.107	1.1280	2124.0	.6515-02	.8037-02	.8037-02	.9500	.1856-03	.2290-03	.3419-01	.2512	513.5
496	15.347	.86800	2140.0	.2043-01	.2526-01	.2526-01	.9500	.5822-03	.7199-03	.1062	.8247	515.3
496	15.347	1.5840	2139.0	.3342-01	.4123-01	.4123-01	.9500	.9523-03	.1175-02	.1754	1.178	513.5
496	17.549	1.1200	2405.0	.3006-01	.3794-01	.3794-01	.9500	.8566-03	.1081-02	.1438	1.002	529.8
496	17.574	.28000	2408.0	.1886-02	.2373-02	.2373-02	.9500	.5373-04	.6761-04	.9135-02	.7893-01	527.7
496	17.574	.56000	2407.0	.1781-01	.2255-01	.2255-01	.9500	.5076-03	.6426-03	.8431-01	.6655	531.6
496	17.574	1.5720	2404.0	.2928-01	.3699-01	.3699-01	.9500	.8343-03	.1054-02	.1396	1.041	530.3
496	19.845	1.5720	2410.0	.3469-01	.4427-01	.4427-01	.9500	.9884-03	.1261-02	.1593	1.066	536.5
496	22.000	.86800	2156.0	.3910-01	.4993-01	.4993-01	.9500	.1114-02	.1423-02	.1793	1.519	536.8
496	22.000	1.5720	2155.0	.4527-01	.5771-01	.5771-01	.9500	.1290-02	.1644-02	.2088	1.521	535.8

IH102 60-OTS UPPER MID FUSELAGE (R4WN39)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
496	22.610	.14000-01	2036.0	.6922-01	.9256-01	.9256-01	.9500	.1972-02	.2637-02	.2729	2.170	559.3
496	22.640	.30800	2160.0	.9262-01	.1227	.1227	.9500	.2639-02	.3496-02	.3756	2.719	555.4
496	22.640	.86800	2159.0	.1011	.1339	.1339	.9500	.2862-02	.3814-02	.4113	3.452	554.9
496	22.640	1.2180	2158.0	.1235	.1638	.1638	.9500	.3520-02	.4669-02	.4988	4.454	555.9
496	22.640	1.5820	2157.0	.1227	.1598	.1598	.9500	.3498-02	.4552-02	.5266	3.841	547.1

IH102 60-OTS UPPER MID FUSELAGE (R4WN39)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
466	3.519	3.010	-.1800-01	.0000	33.98	709.7	252.4	.9113	5.779	2344.	.9746-02	.2018-06
467	3.535	3.010	-.1400-01	.0000	34.14	709.7	252.4	.9155	5.806	2344.	.9791-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
466	.5331-01	.9698-02
467	.5344-01	.9675-02

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
466	9.7050	1.1010	2088.0	.3082-01	.3967-01	.3967-01	.9500	.1643-02	.2115-02	.2616	2.234	550.5
466	9.7170	.67200	2089.0	.2949-01	.3786-01	.3786-01	.9500	.1572-02	.2018-02	.2523	1.808	549.2
466	9.7990	1.7090	2087.0	.4803-01	.6279-01	.6279-01	.9500	.2560-02	.3347-02	.3865	2.757	558.7
466	10.806	.86700	2103.0	.6398-02	.8155-02	.8155-02	.9500	.3411-03	.4348-03	.5616-01	.8336	545.0
466	10.806	1.6380	2102.0	.3485-01	.4515-01	.4515-01	.9500	.1858-02	.2407-02	.2889	2.784	554.2
467	13.077	.86800	2125.0	.3788-01	.4884-01	.4884-01	.9500	.2024-02	.2610-02	.3201	2.450	551.5
467	13.077	1.6840	2122.0	.3161-01	.4084-01	.4084-01	.9500	.1689-02	.2182-02	.2653	2.335	552.6
467	13.107	.28000	2127.0	.2933-01	.3810-01	.3810-01	.9500	.1567-02	.2036-02	.2414	2.183	555.6
467	13.107	.56000	2126.0	.3157-01	.4075-01	.4075-01	.9500	.1687-02	.2178-02	.2656	2.068	552.2
467	13.107	1.1280	2124.0	.4194-01	.5406-01	.5406-01	.9500	.2241-02	.2889-02	.3547	2.556	551.4
467	15.347	.86800	2140.0	.4571-01	.5910-01	.5910-01	.9500	.2442-02	.3158-02	.3825	2.915	553.1
467	15.347	1.5840	2139.0	.6371-01	.8341-01	.8341-01	.9500	.3405-02	.4457-02	.5116	3.356	559.4
467	17.549	1.1200	2405.0	.4912-01	.6445-01	.6445-01	.9500	.2625-02	.3444-02	.3914	2.685	560.6
467	17.574	.28000	2408.0	.3975-01	.5237-01	.5237-01	.9500	.2124-02	.2799-02	.3126	2.654	562.5
467	17.574	.56000	2407.0	.4203-01	.5481-01	.5481-01	.9500	.2246-02	.2929-02	.3417	2.663	557.5
467	17.574	1.5720	2404.0	.5286-01	.6914-01	.6914-01	.9500	.2825-02	.3694-02	.4257	3.128	558.9
467	19.845	1.5720	2410.0	.5130-01	.6717-01	.6717-01	.9500	.2741-02	.3589-02	.4116	2.724	559.5
467	22.000	.86800	2156.0	.5102-01	.6877-01	.6877-01	.9500	.2726-02	.3675-02	.3747	3.118	572.2
467	22.000	1.5720	2155.0	.5167-01	.6818-01	.6818-01	.9500	.2761-02	.3643-02	.4048	2.910	563.1

IH102 60-OTS UPPER MID FUSELAGE (R4WN39)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
467	22.610	.14000-01	2036.0	.7659-01	.1095	.1095	.9500	.4092-02	.5853-02	.4828	3.778	591.7
467	22.640	.30800	2160.0	.8777-01	.1222	.1222	.9500	.4690-02	.6529-02	.5908	4.217	583.7
467	22.640	.86800	2159.0	.9609-01	.1382	.1382	.9500	.5135-02	.7386-02	.5977	4.921	593.3
467	22.640	1.2180	2158.0	.1053	.1581	.1581	.9500	.5629-02	.8448-02	.5986	5.221	603.3
467	22.640	1.5820	2157.0	.1267	.1792	.1792	.9500	.6768-02	.9573-02	.8196	5.855	588.6

IH102 60-OTS UPPER MID FUSELAGE (R4WN40)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 3.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
469	3.507	3.010	4.964	.1731-02	33.87	709.7	252.4	.9082	5.760	2344.	.9713-02	.2018-06
470	3.519	3.010	4.988	.0000	33.98	709.7	252.4	.9113	5.779	2344.	.9746-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
469	.5322-01	.9714-02
470	.5331-01	.9698-02

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
469	9.7050	1.1010	2088.0	.2527-01	.3242-01	.3242-01	.9500	.1345-02	.1726-02	.2164	1.850	548.8
469	9.7170	.67200	2089.0	.3089-01	.3993-01	.3993-01	.9500	.1644-02	.2125-02	.2579	1.845	552.8
469	9.7990	1.7090	2087.0	.4500-01	.5867-01	.5867-01	.9500	.2395-02	.3122-02	.3648	2.604	557.4
469	10.806	.86700	2103.0	.5791-02	.7330-02	.7330-02	.9500	.3082-03	.3901-03	.5211-01	.7753	540.6
469	10.806	1.6380	2102.0	.3159-01	.4073-01	.4073-01	.9500	.1681-02	.2168-02	.2658	2.565	551.6
470	13.077	.86800	2125.0	.3441-01	.4420-01	.4420-01	.9500	.1834-02	.2356-02	.2938	2.251	549.5
470	13.077	1.6840	2122.0	.2673-01	.3423-01	.3423-01	.9500	.1425-02	.1825-02	.2308	2.037	547.7
470	13.107	.28000	2127.0	.2061-01	.2647-01	.2647-01	.9500	.1099-02	.1411-02	.1761	1.597	549.4
470	13.107	.56000	2126.0	.2689-01	.3457-01	.3457-01	.9500	.1434-02	.1843-02	.2291	1.785	549.9
470	13.107	1.1280	2124.0	.3837-01	.4918-01	.4918-01	.9500	.2046-02	.2622-02	.3302	2.383	548.3
470	15.347	.86800	2140.0	.3506-01	.4510-01	.4510-01	.9500	.1869-02	.2404-02	.2979	2.274	550.3
470	15.347	1.5840	2139.0	.2945-01	.3738-01	.3738-01	.9500	.1570-02	.1993-02	.2626	1.737	542.4
470	17.549	1.1200	2405.0	.3177-01	.4077-01	.4077-01	.9500	.1694-02	.2173-02	.2722	1.879	548.9
470	17.574	.28000	2408.0	.3212-01	.4188-01	.4188-01	.9500	.1712-02	.2233-02	.2608	2.219	557.4
470	17.574	.56000	2407.0	.3311-01	.4287-01	.4287-01	.9500	.1765-02	.2285-02	.2752	2.149	553.7
470	17.574	1.5720	2404.0	.2500-01	.3201-01	.3201-01	.9500	.1333-02	.1707-02	.2159	1.595	547.7
470	19.845	1.5720	2410.0	.2743-01	.3524-01	.3524-01	.9500	.1462-02	.1879-02	.2339	1.556	549.7
470	22.000	.86800	2156.0	.3641-01	.4797-01	.4797-01	.9500	.1941-02	.2557-02	.2859	2.391	562.4
470	22.000	1.5720	2155.0	.4280-01	.5597-01	.5597-01	.9500	.2282-02	.2984-02	.3339	2.477	558.9

IH102 60-OTS UPPER MID FUSELAGE (R4WN40)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
470	22.610	.14000-01	2036.0	.5843-01	.8454-01	.8454-0	.9500	.3115-02	.4507-02	.3580	2.797	534.7
470	22.640	.30800	2160.0	.7000-01	.9761-01	.9761-0	.9500	.3732-02	.5204-02	.4681	3.340	584.2
470	22.640	.86800	2159.0	.6508-01	.9073-01	.9073-0	.9500	.3470-02	.4837-02	.4355	3.602	584.1
470	22.640	1.2180	2158.0	.7311-01	.1021	.1021	.9500	.3898-02	.5441-02	.4875	4.292	584.6
470	22.640	1.5820	2157.0	.7276-01	.9824-01	.9824-0	.9500	.3879-02	.5238-02	.5307	3.821	572.9

IH102 60-OTS UPPER MID FUSELAGE (R4WN41)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST COND TIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
510	3.510	4.020	-5.012	-11.03	57.85	709.7	167.7	.3710	4.197	2552.	.5971-02	.1349-06
511	3.507	4.020	-5.014	-11.00	57.80	709.7	167.7	.3706	4.193	2552.	.5966-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
510	.4546-01	.1240-01
511	.4544-01	.1240-01

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
511	9.7050	1.1010	2088.0	.4769-01	.6154-01	.6154-01	.9500	.2167-02	.2797-02	.3415	2.914	552.1
511	9.7170	.67200	2089.0	.9841-02	.1251-01	.1251-01	.9500	.4472-03	.5683-03	.7446-01	.5353	543.2
511	9.7990	1.7090	2087.0	.8384-01	.1118	.1118	.9500	.3810-02	.5081-02	.5402	3.836	567.9
511	10.806	.86700	2103.0	.7603-02	.9545-02	.9545-02	.9500	.3455-03	.4337-03	.6024-01	.8987	535.3
511	10.806	1.6380	2102.0	.4969-01	.6472-01	.6472-01	.9500	.2258-02	.2941-02	.3450	3.320	556.9
510	13.077	.86800	2125.0	.3511-01	.4364-01	.4364-01	.9500	.1596-02	.1984-02	.2899	2.245	528.1
510	13.077	1.6840	2122.0	.4506-01	.5758-01	.5758-01	.9500	.2048-02	.2618-02	.3341	2.950	546.6
510	13.107	.28000	2127.0	.2906-01	.3608-01	.3608-01	.9500	.1321-02	.1640-02	.2406	2.206	527.5
510	13.107	.56000	2126.0	.3396-01	.4216-01	.4216-01	.9500	.1544-02	.1917-02	.2819	2.222	527.1
510	13.107	1.1280	2124.0	.4199-01	.5247-01	.5247-01	.9500	.1909-02	.2385-02	.3390	2.467	532.1
510	15.347	.86800	2140.0	.3265-01	.4026-01	.4026-01	.9500	.1484-02	.1830-02	.2786	2.157	522.0
510	15.347	1.5840	2139.0	.4686-01	.5828-01	.5828-01	.9500	.2131-02	.2650-02	.3859	2.571	528.6
510	17.549	1.1200	2405.0	.3004-01	.3744-01	.3744-01	.9500	.1365-02	.1702-02	.2450	1.707	530.3
510	17.574	.28000	2408.0	.3147-01	.3940-01	.3940-01	.9500	.1430-02	.1791-02	.2521	2.172	533.4
510	17.574	.56000	2407.0	.3486-01	.4365-01	.4365-01	.9500	.1585-02	.1984-02	.2791	2.201	533.5
510	17.574	1.5720	2404.0	.2820-01	.3529-01	.3529-01	.9500	.1282-02	.1604-02	.2265	1.686	533.0
510	19.845	1.5720	2410.0	.3020-01	.3802-01	.3802-01	.9500	.1373-02	.1728-02	.2369	1.586	537.1
510	22.000	.86800	2156.0	.4200-01	.5403-01	.5403-01	.9500	.1909-02	.2456-02	.3043	2.560	550.3
510	22.000	1.5720	2155.0	.3804-01	.4817-01	.4817-01	.9500	.1729-02	.2190-02	.2918	2.121	541.0

IH102 60-OTS UPPER MID FUSELAGE (R4WN41)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
510	22.610	.14000-01	2036.0	.5488-01	.7105-01	.7105-01	.9500	.2495-02	.3230-02	.3899	3.101	553.8
510	22.640	.30800	2160.0	.6584-01	.8553-01	.8553-01	.9500	.2993-02	.3888-02	.4614	3.340	555.5
510	22.640	.86800	2159.0	.6354-01	.8263-0	.8263-01	.9500	.2889-02	.3757-02	.4436	3.720	556.1
510	22.640	1.2180	2158.0	.6568-01	.8638-01	.8638-01	.9500	.2986-02	.3927-02	.4422	3.937	561.6
510	22.640	1.5820	2157.0	.8196-01	.1080	.1080	.9500	.3726-02	.490(8-02	.5492	3.975	562.3

IH102 60-OTS UPPER MID FUSELAGE (R4WN42)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
520	1.025	4.020	-5.002	-5.969	16.96	711.7	168.2	.1088	1.231	2556.	.1746-02	.1353-06
521	1.023	4.020	-4.962	-5.940	16.93	711.7	168.2	.1086	1.228	2556.	.1743-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
520	.2463-01	.2294-01
521	.2461-01	.2296-01

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
520	9.7050	1.1010	2088.0	.3017-01	.3725-01	.3725-01	.9500	.7431-03	.9174-03	.1391	1.204	524.4
520	9.7990	1.7090	2087.0	.7162-01	.8920-01	.8920-01	.9500	.1764-02	.2197-02	.3185	2.304	531.1
520	10.806	.86700	2103.0	.6433-02	.7891-02	.7891-02	.9500	.1585-03	.1944-03	.3052-01	.4591	519.1
520	10.806	1.6380	2102.0	.3719-01	.4604-01	.4604-01	.9500	.9160-03	.1134-02	.1696	1.657	526.5
521	13.077	.86800	2125.0	.1957-02	.2356-02	.2356-02	.9500	.4816-04	.5798-04	.1012-01	.7943-01	501.6
521	13.077	1.6840	2122.0	.1232-01	.1496-01	.1496-01	.9500	.3032-03	.3680-03	.6130-01	.5515	509.5
521	13.107	.28000	2127.0	.2390-02	.2879-02	.2879-02	.9500	.5882-04	.7085-04	.1232-01	.1145	502.2
521	13.107	.56000	2126.0	.5237-02	.6312-02	.6312-02	.9500	.1289-03	.1553-03	.2692-01	.2149	502.8
521	13.107	1.1280	2124.0	.5781-02	.6964-02	.6964-02	.9500	.1423-03	.1714-03	.2979-01	.2201	502.3
521	15.347	1.5840	2139.0	.3771-01	.4555-01	.4555-01	.9500	.9279-03	.1121-02	.1918	1.293	505.0
521	17.549	1.1200	2405.0	.3142-01	.3838-01	.3838-01	.9500	.7732-03	.9445-03	.1517	1.065	515.5
521	17.574	.28000	2408.0	.7520-02	.9141-02	.9141-02	.9500	.1850-03	.2249-03	.3713-01	.3236	511.0
521	17.574	.56000	2407.0	.2061-01	.2512-01	.2512-01	.9500	.5072-03	.6183-03	.1005	.8008	513.5
521	17.574	1.5720	2404.0	.1394-01	.1705-01	.1705-01	.9500	.3429-03	.4195-03	.6683-01	.5015	516.8
521	19.845	1.5720	2410.0	.1193-01	.1469-01	.1469-01	.9500	.2836-03	.3616-03	.5553-01	.3745	522.5
521	22.000	.86800	2156.0	.3687-01	.4556-01	.4556-01	.9500	.9074-03	.1121-02	.1694	1.443	525.0
521	22.000	1.5720	2155.0	.4680-01	.5803-01	.5803-01	.9500	.1152-02	.1428-02	.2117	1.549	527.8
521	22.610	.14000+01	2036.0	.8400-01	.1062	.1062	.9500	.2067-02	.2614-02	.3516	2.822	541.5
521	22.640	.30800	2160.0	.8308-01	.1044	.1044	.9500	.2044-02	.2568-02	.3562	2.602	537.4

IH102 60-0TS UPPER MID FUSELAGE (R4WN42)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	-H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
521	22.640	.86800	2159.0	.6820-01	.8589-01	.8589-01	.9500	.1678-02	.2113-02	.2899	2.453	538.9
521	22.640	1.2180	2158.0	.6478-01	.8161-01	.8161-01	.9500	.1594-02	.2008-02	.2750	2.477	539.1
521	22.640	1.5820	2157.0	.7375-01	.9255-01	.9255-01	.9500	.1815-02	.2277-02	.3179	2.331	536.5

IH102 60-OTS UPPER MID FUSELAGE (R4WNH2)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
460	3.526	4.020	-4.966	-5.970	57.99	708.7	167.5	.3719	4.207	2550.	.5994-02	.1347-06
461	3.526	4.020	-4.973	-5.944	57.99	708.7	167.5	.3719	4.207	2550.	.5994-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
460	.4551-01	.1237-01
461	.4551-01	.1237-01

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
460	9.7050	1.1010	2088.0	.4467-01	.5683-01	.5683-01	.9500	.2033-02	.2586-02	.3366	2.886	543.1
460	9.7170	.67200	2089.0	.1894-01	.2361-01	.2361-01	.9500	.8617-03	.1074-02	.1543	1.117	529.6
460	9.7990	1.7090	2087.0	.7084-01	.9127-01	.9127-01	.9500	.3224-02	.4153-02	.5104	3.656	550.3
460	10.806	.86700	2103.0	.8786-02	.1094-01	.1094-01	.9500	.3998-03	.4976-03	.7207-01	1.079	528.4
460	10.806	1.6380	2102.0	.4578-01	.5820-01	.5820-01	.9500	.2083-02	.2649-02	.3458	3.352	542.7
461	13.077	.86800	2125.0	.2868-01	.3594-01	.3594-01	.9500	.1305-02	.1635-02	.2290	1.769	533.2
461	13.077	1.6840	2122.0	.3933-01	.4999-01	.4999-01	.9500	.1790-02	.2275-02	.2974	2.632	542.5
461	13.107	.28000	2127.0	.2346-01	.2949-01	.2949-01	.9500	.1067-02	.1342-02	.1850	1.690	535.4
461	13.107	.56000	2126.0	.2825-01	.3543-01	.3543-01	.9500	.1286-02	.1612-02	.2251	1.769	533.6
461	13.107	1.1280	2124.0	.3793-01	.4756-01	.4755-01	.9500	.1726-02	.2164-02	.3021	2.197	533.7
461	15.347	.86800	2140.0	.3555-01	.4457-01	.4457-01	.9500	.1618-02	.2028-02	.2832	2.180	533.6
461	15.347	1.5840	2139.0	.2781-01	.3480-01	.3480-01	.9500	.1265-02	.1584-02	.2231	1.484	532.3
461	17.549	1.1200	2405.0	.3437-01	.4347-01	.4347-01	.9500	.1564-02	.1978-02	.2646	1.835	539.5
461	17.574	.28000	2408.0	.2298-01	.2921-01	.2921-01	.9500	.1046-02	.1329-02	.1740	1.492	542.3
461	17.574	.56000	2407.0	.2533-01	.3213-01	.3213-01	.9500	.1153-02	.1462-02	.1931	1.517	541.2
461	17.574	1.5720	2404.0	.2193-01	.2771-01	.2771-01	.9500	.9981-03	.1261-02	.1697	1.260	538.6
461	19.845	1.5720	2410.0	.2604-01	.3316-01	.3316-01	.9500	.1185-02	.1509-02	.1953	1.303	543.8
461	22.000	.86800	2156.0	.4429-01	.5738-01	.5738-01	.9500	.2015-02	.2611-02	.3130	2.629	553.3
461	22.000	1.5720	2155.0	.4891-01	.6329-01	.6329-01	.9500	.2226-02	.2880-02	.3472	2.508	552.7

IH102 60-0TS UPPER MID FUSELAGE (R4WN42)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
461	22.610	.14000-01	2036.0	.4931-01	.6628-01	.6628-01	.9500	.2244-02	.3016-02	.3105	2.456	570.3
461	22.640	.30800	2160.0	.6935-01	.9255-01	.9255-01	.9500	.3156-02	.4211-02	.4463	3.211	567.3
461	22.640	.86800	2159.0	.7048-01	.9499-01	.9499-01	.9500	.3207-02	.4323-02	.4404	3.866	571.3
461	22.640	1.2180	2158.0	.7427-01	.9975-01	.9975-01	.9500	.3380-02	.4539-02	.4690	4.158	569.9
461	22.640	1.5820	2157.0	.8604-01	.1138	.1138	.9500	.3915-02	.5179-02	.5683	4.111	563.5

IH102 60-OTS UPPER MID FUSELAGE (R4WN43)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEC.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
517	1.032	4.020	-4.920	-.1715-02	16.97	708.7	167.5	.1088	1.231	2550.	.1754-02	.1347-06
518	1.028	4.020	-5.022	-.1751-02	16.95	709.7	167.7	.1087	1.230	2552.	.1750-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
517	.2462-01	.2287-01
518	.2461-01	.2290-01

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
517	9.7050	1.1010	2088.0	.2057-01	.2541-01	.2541-01	.9500	.5063-03	.6256-03	.9405-01	.8146	522.9
517	9.7990	1.7090	2087.0	.4044-01	.5026-01	.5026-01	.9500	.9955-03	.1237-02	.1806	1.309	527.3
517	10.806	.86700	2103.0	.2305-02	.2827-02	.2827-02	.9500	.5673-04	.6959-04	.1088-01	.1638	517.0
517	10.806	1.6380	2102.0	.2007-01	.2483-01	.2483-01	.9500	.4941-03	.6113-03	.9135-01	.8940	523.8
518	13.077	.86800	2125.0	.3658-02	.4458-02	.4458-02	.9500	.9002-04	.1097-03	.1781-01	.1391	511.9
518	13.107	.28000	2127.0	.2865-02	.3499-02	.3499-02	.9500	.7050-04	.8612-04	.1379-01	.1273	514.0
518	13.107	.56000	2126.0	.8086-02	.9883-02	.9883-02	.9500	.1990-03	.2432-03	.3885-01	.3083	514.5
518	13.107	1.1280	2124.0	.2819-02	.3437-02	.3437-02	.9500	.6938-04	.8459-04	.1370-01	.1007	512.2
518	17.574	1.5720	2404.0	.1015-01	.1259-01	.1259-01	.9500	.2497-03	.3098-03	.4566-01	.3409	526.8
518	19.845	1.5720	2410.0	.2422-01	.3045-01	.3045-01	.9500	.5961-03	.7494-03	.1034	.6923	536.2
518	22.000	.86800	2156.0	.2598-01	.3310-01	.3310-01	.9500	.6394-03	.8146-03	.1055	.8898	544.7
518	22.000	1.5720	2155.0	.2883-01	.3654-01	.3654-01	.9500	.7095-03	.8992-03	.1194	.8673	541.4
518	22.610	.14000-01	2036.0	.2198-01	.2910-01	.2910-01	.9500	.5408-03	.7162-03	.7839-01	.6217	564.7
518	22.640	.30800	2160.0	.5311-01	.6955-01	.6955-01	.9500	.1307-02	.1712-02	.1962	1.417	559.6
518	22.640	.86800	2159.0	.6761-01	.8852-01	.8852-01	.9500	.1664-02	.2178-02	.2499	2.092	559.5
518	22.640	1.2180	2158.0	.6952-01	.9104-01	.9104-01	.9500	.1711-02	.2240-02	.2569	2.289	559.5
518	22.640	1.5820	2157.0	.9846-01	.1274	.1274	.9500	.2423-02	.3134-02	.3788	2.754	553.3

UPPER MID FUSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
451	3.519	4.020	-4.934	.0000	57.88	708.7	167.5	.3712	4.199	2550.	.5983-02	.1347-06
452	3.515	4.020	-4.948	-.1725-02	57.93	709.7	167.7	.3715	4.202	2552.	.5979-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
451	.4546-01	.1238-01
452	.4549-01	.1239-01

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
451	9.7050	1.1010	2088.0	.3047-01	.3847-01	.3847-01	.9500	.1385-02	.1749-02	.2361	2.029	538.2
451	9.7170	.67200	2089.0	.1697-01	.2117-01	.2117-01	.9500	.7715-03	.9624-03	.1378	.9977	530.0
451	9.7990	1.7090	2087.0	.5064-01	.6453-01	.6453-01	.9500	.2302-02	.2934-02	.3791	2.725	544.0
451	10.806	.86700	2103.0	.4865-02	.6037-02	.6037-02	.9500	.2212-03	.2744-03	.4038-01	.6052	526.1
451	10.806	1.6380	2102.0	.3327-01	.4201-01	.4201-01	.9500	.1513-02	.1910-02	.2575	2.502	538.4
452	13.077	.86800	2125.0	.2491-01	.3128-01	.3128-01	.9500	.1133-02	.1423-02	.1977	1.525	535.3
452	13.077	1.6840	2122.0	.1599-01	.2006-01	.2006-01	.9500	.7275-03	.9124-03	.1274	1.132	534.6
452	13.107	.28000	2127.0	.1711-01	.2145-01	.2145-01	.9500	.7783-03	.9757-03	.1365	1.247	534.3
452	13.107	.56000	2126.0	.1958-01	.2447-01	.2447-01	.9500	.8907-03	.1113-02	.1581	1.243	532.2
452	13.107	1.1280	2124.0	.2973-01	.3741-01	.3741-01	.9500	.1353-02	.1702-02	.2340	1.699	536.7
452	15.347	.86800	2140.0	.3003-01	.3769-01	.3769-01	.9500	.1366-02	.1715-02	.2383	1.832	535.2
452	15.347	1.5840	2139.0	.3430-01	.4304-01	.4304-01	.9500	.1561-02	.1958-02	.2729	1.813	534.8
452	17.549	1.1200	2405.0	.3379-01	.4290-01	.4290-01	.9500	.1537-02	.1952-02	.2567	1.777	542.7
452	17.574	.28000	2408.0	.2921-01	.3741-01	.3741-01	.9500	.1329-02	.1702-02	.2150	1.838	547.9
452	17.574	.56000	2407.0	.3787-01	.4853-01	.4853-01	.9500	.1723-02	.2208-02	.2781	2.177	548.2
452	17.574	1.5720	2404.0	.3242-01	.4127-01	.4127-01	.9500	.1475-02	.1877-02	.2443	1.808	544.1
452	19.845	1.5720	2410.0	.3822-01	.4919-01	.4919-01	.9500	.1739-02	.2238-02	.2765	1.838	550.6
452	22.000	.86800	2156.0	.3536-01	.4605-01	.4605-01	.9500	.1608-02	.2095-02	.2458	2.061	556.8
452	22.000	1.5720	2155.0	.4940-01	.6438-01	.6438-01	.9500	.2247-02	.2929-02	.3426	2.470	557.2

IH102 60-OTS UPPER MID FUSELAGE (R4WN43)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
452	22.610	.14000-01	2036.0	.7384-01	.1014	.1014	.9500	.3359-02	.4612-02	.4388	3.455	579.0
452	22.640	.30800	2160.0	.7578-01	.1019	.1019	.9500	.3448-02	.4635-02	.4775	3.430	571.2
452	22.640	.86800	2159.0	.5675-01	.7559-01	.7559-01	.9500	.2582-02	.3439-02	.3676	3.066	567.3
452	22.640	1.2180	2158.0	.5810-01	.7732-01	.7732-01	.9500	.2643-02	.3518-02	.3774	3.351	566.9
452	22.640	1.5820	2157.0	.7837-01	.1040	.1040	.9500	.3565-02	.4731-02	.5133	3.709	565.7

UPPER MID FUSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
503	3.489	4.020	-.1956-01	-11.07	57.75	711.7	168.2	.3703	4.189	2556.	.5944-02	.1353-06
504	3.525	4.020	-.7779-02	-11.01	57.74	706.7	167.0	.3703	4.188	2547.	.5985-02	.1344-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
503	.4544-01	.1243-01
504	.4538-01	.1238-01

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
503	9.7050	1.1010	2088.0	.3781-01	.4840-01	.4840-01	.9500	.1718-02	.2199-02	.2795	2.389	549.0
503	9.7170	.67200	2089.0	.2937-01	.3848-01	.3848-01	.9500	.1335-02	.1749-02	.2007	1.430	561.3
503	9.7990	1.7090	2087.0	.5349-01	.7089-01	.7089-01	.9500	.2431-02	.3222-02	.3522	2.503	566.8
503	10.806	.86700	2103.0	.6741-02	.8397-02	.8397-02	.9500	.3063-03	.3816-03	.5526-01	.8261	531.3
503	10.806	1.6380	2102.0	.3752-01	.4884-01	.4884-01	.9500	.1705-02	.2219-02	.2617	2.517	558.2
504	13.077	.86800	2125.0	.2224-01	.2806-01	.2806-01	.9500	.1010-02	.1273-02	.1721	1.328	536.2
504	13.077	1.6840	2122.0	.2543-01	.3281-01	.3281-01	.9500	.1154-02	.1489-02	.1813	1.599	549.5
504	13.107	.28000	2127.0	.1716-01	.2163-01	.2163-01	.9500	.7787-03	.9815-03	.1332	1.216	535.6
504	13.107	.56000	2126.0	.2022-01	.2549-01	.2549-01	.9500	.9174-03	.1157-02	.1567	1.230	535.9
504	13.107	1.1280	2124.0	.2623-01	.3323-01	.3323-01	.9500	.1190-02	.1508-02	.1996	1.448	539.0
504	15.347	.86800	2140.0	.1833-01	.2297-01	.2297-01	.9500	.8318-03	.1042-02	.1455	1.121	531.8
504	15.347	1.5840	2139.0	.2777-01	.3497-01	.3497-01	.9500	.1260-02	.1587-02	.2163	1.436	535.1
504	17.549	1.1200	2405.0	.1608-01	.2036-01	.2036-01	.9500	.7298-03	.9242-03	.1225	.8501	538.7
504	17.574	.28000	2408.0	.7637-02	.9607-02	.9607-02	.9500	.3466-03	.4360-03	.5972-01	.5142	534.4
504	17.574	.56000	2407.0	.9637-02	.1215-01	.1215-01	.9500	.4374-03	.5512-03	.7482-01	.5894	535.6
504	17.574	1.5720	2404.0	.1995-01	.2536-01	.2536-01	.9500	.9052-03	.1151-02	.1498	1.111	541.1
504	19.845	1.5720	2410.0	.1766-01	.2249-01	.2249-01	.9500	.8013-03	.1021-02	.1317	.8789	542.4
504	22.000	.86800	2156.0	.2112-01	.2702-01	.2702-01	.9500	.9585-03	.1226-02	.1551	1.308	544.9
504	22.000	1.5720	2155.0	.2304-01	.2932-01	.2932-01	.9500	.1045-02	.1331-02	.1723	1.252	541.9

IH102 60-OTS UPPER MID FUSELAGE (R4WN45)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
504	22.610	.14000-01	2036.0	.2534-01	.3294-01	.3294-01	.9500	.1150-02	.1495-02	.1760	1.404	553.6
504	22.640	.30800	2160.0	.2922-01	.3807-01	.3807-01	.9500	.1326-02	.1728-02	.2015	1.459	554.7
504	22.640	.86800	2159.0	.3699-01	.4811-01	.4811-01	.9500	.1679-02	.2183-02	.2566	2.155	553.8
504	22.640	1.2180	2158.0	.4432-01	.5835-01	.5835-01	.9500	.2011-02	.2648-02	.2955	2.634	559.7
504	22.640	1.5820	2157.0	.6162-01	.8157-01	.8157-01	.9500	.2796-02	.3702-02	.4040	2.924	562.2

IH102 60-OTS UPPER MID FUSELAGE (R4WN47)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
457	3.525	4.020	-.2096-02	-5.982	57.97	708.7	167.5	.3718	4.206	2550.	.5993-02	.1347-06
458	3.525	4.020	.8937-07	-5.976	57.97	708.7	167.5	.3718	4.206	2550.	.5993-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
457	.4550-01	.1237-01
458	.4550-01	.1237-01

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
457	9.7050	1.1010	2088.0	.3082-01	.3904-01	.3904-01	.9500	.1402-02	.1776-02	.2359	2.025	540.4
457	9.7990	1.7090	2087.0	.4875-01	.6288-01	.6288-01	.9500	.2218-02	.2861-02	.3499	2.506	550.9
457	10.806	.86700	2103.0	.5914-02	.7333-02	.7333-02	.9500	.2691-03	.3336-03	.4926-01	.7384	525.6
457	10.806	1.6380	2102.0	.2947-01	.3754-01	.3754-01	.9500	.1341-02	.1708-02	.2211	2.142	543.8
458	13.077	.86800	2125.0	.2018-01	.2510-01	.2510-01	.9500	.9180-03	.1142-02	.1659	1.285	528.0
458	13.077	1.6840	2122.0	.2519-01	.3198-01	.3198-01	.9500	.1146-02	.1455-02	.1915	1.695	541.6
458	13.107	.28000	2127.0	.2209-01	.2769-01	.2769-01	.9500	.1005-02	.1260-02	.1763	1.612	533.3
458	13.107	.56000	2126.0	.2397-01	.2996-01	.2996-01	.9500	.1091-02	.1363-02	.1934	1.521	531.4
458	13.107	1.1280	2124.0	.2256-01	.2813-01	.2813-01	.9500	.1026-02	.1280-02	.1836	1.337	529.8
458	15.347	.86800	2140.0	.2254-01	.2805-01	.2805-01	.9500	.1026-02	.1276-02	.1850	1.427	528.3
458	15.347	1.5840	2139.0	.2409-01	.3000-01	.3000-01	.9500	.1096-02	.1365-02	.1970	1.313	528.9
458	17.549	1.1200	2405.0	.1749-01	.2180-01	.2190-01	.9500	.7958-03	.9964-03	.1401	.9749	532.6
458	17.574	.28000	2408.0	.1252-01	.1567-01	.1567-01	.9500	.5697-03	.7131-03	.1004	.8651	532.5
458	17.574	.56000	2407.0	.1730-01	.2169-01	.2169-01	.9500	.7871-03	.9870-03	.1377	1.086	533.7
458	17.574	1.5720	2404.0	.1165-01	.1455-01	.1455-01	.9500	.5300-03	.6621-03	.9410-01	.7010	531.1
458	19.845	1.5720	2410.0	.1025-01	.1291-01	.1291-01	.9500	.4665-03	.5874-03	.8028-01	.5375	536.6
458	22.000	.86800	2156.0	.2422-01	.3094-01	.3094-01	.9500	.1102-02	.1408-02	.1796	1.514	545.7
458	22.000	1.5720	2155.0	.3046-01	.3879-01	.3879-01	.9500	.1386-02	.1765-02	.2286	1.659	543.7
458	22.610	.14000-01	2036.0	.3448-01	.4496-01	.4496-01	.9500	.1569-02	.2046-02	.2384	1.899	556.7

IH102 60-OTS UPPER MID FUSELAGE (R4WN47)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
458	22.640	.30800	2160.0	.3931-01	.5132-01	.5132-01	.9500	.1789-02	.2335-02	.2709	1.959	557.2
458	22.640	.86800	2159.0	.5164-01	.6786-01	.6786-01	.9500	.2350-02	.3087-02	.3485	2.917	560.4
458	22.640	1.2180	2158.0	.5850-01	.7752-01	.7752-01	.9500	.2662-02	.3527-02	.3843	3.417	564.3
458	22.640	1.5820	2157.0	.7647-01	.1014	.1014	.9500	.3479-02	.4615-02	.5009	3.621	564.7

IH102 60-OTS UPPER MID FUSELAGE (R4WN49)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
454	3.528	4.020	.1037-02	-2.968	58.02	708.7	167.5	.3721	4.209	2550.	.5997-02	.1347-06
455	3.525	4.020	-.1049-02	-3.002	57.97	708.7	167.5	.3718	4.206	2550.	.5993-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
454	.4552-01	.1237-01
455	.4550-01	.1237-01

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
454	9.7050	1.1010	2088.0	.2614-01	.3302-01	.3302-01	.9500	.1190-02	.1503-02	.2025	1.740	538.5
454	9.7170	.67200	2089.0	.1550-02	.1913-02	.1913-02	.9500	.7053-04	.8706-04	.1317-01	.9568-01	522.0
454	9.7990	1.7090	2087.0	.4326-01	.5529-01	.5529-01	.9500	.1969-02	.2517-02	.3208	2.303	545.8
454	10.806	.86700	2103.0	.4873-02	.6044-02	.6044-02	.9500	.2218-03	.2751-03	.4057-01	.6082	525.8
454	10.806	1.6380	2102.0	.2482-01	.3134-01	.3134-01	.9500	.1130-02	.1427-02	.1925	1.870	538.3
455	13.077	.86800	2125.0	.2084-01	.2601-01	.2601-01	.9500	.9483-03	.1183-02	.1691	1.308	530.3
455	13.077	1.6940	2122.0	.2103-01	.2660-01	.2660-01	.9500	.9567-03	.1210-02	.1618	1.434	539.5
455	13.107	.28000	2127.0	.1897-01	.2378-01	.2378-01	.9500	.8629-03	.1082-02	.1510	1.381	533.6
455	13.107	.56000	2126.0	.2476-01	.3105-01	.3105-01	.9500	.1127-02	.1413-02	.1972	1.549	533.7
455	13.107	1.1280	2124.0	.1863-01	.2318-01	.2318-01	.9500	.8476-03	.1055-02	.1529	1.114	528.3
455	15.347	.86800	2140.0	.2643-01	.3305-01	.3305-01	.9500	.1203-02	.1504-02	.2127	1.639	531.8
455	15.347	1.5840	2139.0	.2392-01	.2982-01	.2982-01	.9500	.1088-02	.1357-02	.1949	1.298	529.6
455	17.549	1.1200	2405.0	.2149-01	.2702-01	.2702-01	.9500	.9776-03	.1230-02	.1691	1.175	535.7
455	17.574	.28000	2408.0	.1758-01	.2215-01	.2215-01	.9500	.7998-03	.1008-02	.1373	1.181	536.9
455	17.574	.56000	2407.0	.1812-01	.2279-01	.2279-01	.9500	.8245-03	.1037-02	.1427	1.124	535.6
455	17.574	1.5720	2404.0	.1927-01	.2428-01	.2428-01	.9500	.8769-03	.1105-02	.1508	1.120	536.7
455	19.845	1.5720	2410.0	.1807-01	.2290-01	.2290-01	.9500	.8220-03	.1042-02	.1381	.9225	540.7
455	22.000	.86800	2156.0	.2502-01	.3210-01	.3210-01	.9500	.1139-02	.1460-02	.1830	1.541	547.9
455	22.000	1.5720	2155.0	.3879-01	.4973-01	.4973-01	.9500	.1765-02	.2263-02	.2842	2.058	547.6

IH102 60-OTS UPPER MID FUSELAGE (R4WN49)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
455	22.610	.14000-01	2036.0	.4310-01	.5668-01	.5668-01	.9500	.1961-02	.2579-02	.2900	2.304	560.8
455	22.640	.30800	2160.0	.4650-01	.6105-01	.6105-01	.9500	.2116-02	.2778-02	.3145	2.271	560.0
455	22.640	.86800	2159.0	.4758-01	.6246-01	.6246-01	.9500	.2165-02	.2842-02	.3221	2.697	559.9
455	22.640	1.2180	2158.0	.4485-01	.5890-01	.5890-01	.9500	.2041-02	.2680-02	.3032	2.701	560.1
455	22.640	1.5820	2157.0	.5140-01	.6732-01	.6732-01	.9500	.2339-02	.3063-02	.3505	2.541	558.8

UPPER MID FUSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
515	1.034	4.020	.8000-02	.2793-05	17.04	709.7	167.7	.1093	1.236	2552.	.1759-02	.1349-06
516	1.032	4.020	.1000-01	.3491-05	16.97	708.7	167.5	.1088	1.231	2550.	.1754-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
515	.2467-01	.2284-01
516	.2462-01	.2287-01

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
515	9.7050	1.1010	2088.0	.8493-02	.1051-01	.1051-01	.9500	.2095-03	.2594-03	.3866-01	.3345	525.2
515	9.7990	1.7090	2087.0	.2513-01	.3126-01	.3126-01	.9500	.6200-03	.7714-03	.1121	.8120	528.8
515	10.806	1.6380	2102.0	.8467-02	.1051-01	.1051-01	.9500	.2089-03	.2594-03	.3811-01	.3723	527.3
516	17.574	1.5720	2404.0	.6223-02	.7744-02	.7744-02	.9500	.1532-03	.1906-03	.2764-01	.2062	528.3
516	19.845	1.5720	2410.0	.7367-02	.9212-02	.9212-02	.9500	.1814-03	.2268-03	.3209-01	.2154	531.7
516	22.000	.86800	2156.0	.1272-01	.1598-01	.1598-01	.9500	.3131-03	.3934-03	.5435-01	.4607	535.1
516	22.000	1.5720	2155.0	.1232-01	.1544-01	.1544-01	.9500	.3033-03	.3802-03	.5316-01	.3878	533.4
516	22.610	.14000-01	2036.0	.2546-01	.3282-01	.3282-01	.9500	.6267-03	.8079-03	.9904-01	.7911	550.6
516	22.640	.30800	2160.0	.4054-01	.5181-01	.5181-01	.9500	.9980-03	.1275-02	.1626	1.183	545.7
516	22.640	.86800	2159.0	.4785-01	.6130-01	.6130-01	.9500	.1178-02	.1509-02	.1902	1.602	547.2
516	22.640	1.2180	2158.0	.6051-01	.7795-01	.7795-01	.9500	.1490-02	.1919-02	.2360	2.113	550.3
516	22.640	1.5820	2157.0	.7692-01	.9845-01	.9845-01	.9500	.1893-02	.2423-02	.3067	2.238	546.7

IH102 60-OTS UPPER MID FUSELAGE (R4WN50)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
445	3.518	4.020	.2000-02	.6981-06	57.99	709.7	167.7	.3719	4.207	2552.	.5986-02	.1349-06
446	3.515	4.020	.6000-02	.2094-05	57.93	709.7	167.7	.3715	4.202	2552.	.5979-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
445	.4552-01	.1238-01
446	.4549-01	.1239-01

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
445	9.7050	1.1010	2088.0	.2219-01	.2799-01	.2799-01	.9500	.1010-02	.1274-02	.1729	1.486	538.4
445	9.7170	.67200	2089.0	.7120-02	.8847-02	.8847-02	.9500	.3241-03	.4027-03	.5890-01	.4268	527.9
445	9.7990	1.7090	2087.0	.3958-01	.5031-01	.5031-01	.9500	.1802-02	.2290-02	.2998	2.156	543.2
445	10.806	.86700	2103.0	.3390-02	.4206-02	.4206-02	.9500	.1543-03	.1915-03	.2821-01	.4226	526.9
445	10.806	1.6380	2102.0	.2301-01	.2900-01	.2900-01	.9500	.1047-02	.1320-02	.1799	1.748	537.9
446	13.077	.86800	2125.0	.1662-01	.2071-01	.2071-01	.9500	.7560-03	.9424-03	.1357	1.050	530.2
446	13.077	1.6840	2122.0	.9685-02	.1206-01	.1206-01	.9500	.4406-03	.5485-03	.7947-01	.7079	529.3
446	13.107	.28000	2127.0	.1006-01	.1253-01	.1253-01	.9500	.4575-03	.5702-03	.8211-01	.7519	530.2
446	13.107	.56000	2126.0	.1222-01	.1520-01	.1520-01	.9500	.5557-03	.6915-03	.1004	.7909	529.0
446	13.107	1.1280	2124.0	.1817-01	.2263-01	.2263-01	.9500	.8266-03	.1029-02	.1489	1.085	529.5
446	15.347	.86800	2140.0	.1958-01	.2436-01	.2436-01	.9500	.8908-03	.1108-02	.1612	1.243	528.8
446	15.347	1.5840	2139.0	.3162-01	.3946-01	.3946-01	.9500	.1439-02	.1795-02	.2570	1.710	531.0
446	17.549	1.1200	2405.0	.2656-01	.3331-01	.3331-01	.9500	.1208-02	.1515-02	.2116	1.471	534.6
446	17.574	.28000	2408.0	.1764-01	.2224-01	.2224-01	.9500	.8026-03	.1012-02	.1379	1.185	537.9
446	17.574	.56000	2407.0	.2281-01	.2879-01	.2879-01	.9500	.1037-02	.1310-02	.1771	1.392	539.0
446	17.574	1.5720	2404.0	.2798-01	.3527-01	.3527-01	.9500	.1273-02	.1605-02	.2186	1.623	538.0
446	19.845	1.5720	2410.0	.2676-01	.3346-01	.3346-01	.9500	.1218-02	.1522-02	.2158	1.448	532.4
446	22.000	.86800	2156.0	.3491-01	.4457-01	.4457-01	.9500	.1588-02	.2028-02	.2601	2.192	545.9
446	22.000	1.5720	2155.0	.2893-01	.3633-01	.3633-01	.9500	.1316-02	.1653-02	.2293	1.671	535.4

IH102 60-OTS UPPER MID FUSELAGE (R4WN50)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
446	22.610	.14000-01	2036.0	.5564-01	.7407-01	.7407-01	.9500	.2531-02	.3370-02	.3611	2.861	567.0
446	22.640	.30800	2160.0	.6237-01	.8221-01	.8221-01	.9500	.2837-02	.3740-02	.4171	3.008	562.7
446	22.640	.86800	2159.0	.6635-01	.8771-01	.8771-01	.9500	.3019-02	.3990-02	.4398	3.674	564.0
446	22.640	1.2180	2158.0	.7441-01	.9959-01	.9959-01	.9500	.3385-02	.4531-02	.4752	4.215	569.3
446	22.640	1.5820	2157.0	.7838-01	.1025	.1025	.9500	.3566-02	.4664-02	.5374	3.896	559.0

IH102 60-OTS UPPER MID FUSELAGE (R4WN51)

UPPER MID FUSE

PARAMETRIC DATA

MACH = 4.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
448	3.517	4.020	4.970	.3465-02	57.97	709.7	167.7	.3718	4.206	2552.	.5984-02	.1349-06
449	3.512	4.020	4.956	.3456-02	57.88	709.7	167.7	.3712	4.199	2552.	.5975-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
448	.4551-01	.1238-01
449	.4548-01	.1239-01

TEST DATA

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
448	9.7050	1.1010	2088.0	.1462-01	.1824-01	.1824-0	.9500	.6653-03	.8302-03	.1189	1.025	531.0
448	9.7170	.67200	2089.0	.4796-02	.5937-02	.5937-02	.9500	.2183-03	.2702-03	.4031-01	.2925	525.0
448	9.7990	1.7090	2087.0	.3059-01	.3862-01	.3862-0	.9500	.1392-02	.1758-02	.2377	1.712	539.0
448	10.806	.86700	2103.0	.2097-02	.2583-02	.2583-02	.9500	.9542-04	.1175-03	.1799-01	.2703	521.2
448	10.806	1.6380	2102.0	.1581-01	.1975-01	.1975-0	.9500	.7197-03	.8986-03	.1282	1.250	531.5
449	13.077	.86800	2125.0	.2336-02	.2829-02	.2829-02	.9500	.1049-03	.1286-03	.2015-01	.1569	517.5
449	13.077	1.6840	2122.0	.1427-01	.1775-01	.1775-01	.9500	.6490-03	.8071-03	.1175	1.047	528.6
449	13.107	.28000	2127.0	.4132-02	.5116-02	.5116-02	.9500	.1879-03	.2326-03	.3466-01	.3182	525.2
449	13.107	.56000	2126.0	.4903-02	.6048-02	.6048-02	.9500	.2230-03	.2750-03	.4181-01	.3305	522.2
449	13.107	1.1280	2124.0	.2453-02	.3004-02	.3004-02	.9500	.1115-03	.1366-03	.2157-01	.1583	516.3
449	15.347	.86800	2140.0	.1727-01	.2137-01	.2137-0	.9500	.7852-03	.9719-03	.1450	1.121	525.0
449	15.347	1.5840	2139.0	.1772-01	.2184-01	.2184-0	.9500	.8060-03	.9930-03	.1519	1.016	521.2
449	17.549	1.1200	2405.0	.2013-01	.2503-01	.2503-0	.9500	.9155-03	.1138-02	.1659	1.157	528.4
449	17.574	.28000	2408.0	.1809-01	.2271-01	.2271-0	.9500	.8225-03	.1033-02	.1433	1.233	535.5
449	17.574	.56000	2407.0	.2064-01	.2584-01	.2584-0	.9500	.9386-03	.1175-02	.1655	1.305	533.3
449	17.574	1.5720	2404.0	.9506-02	.1175-01	.1175-0	.9500	.4323-03	.5342-03	.8043-01	.6015	523.6
449	19.845	1.5720	2410.0	.1106-01	.1368-01	.1368-0	.9500	.5032-03	.6220-03	.9346-01	.6298	523.9
449	22.000	.86800	2156.0	.1582-01	.1982-01	.1982-0	.9500	.7194-03	.9011-03	.1266	1.074	533.7
449	22.000	1.5720	2155.0	.2609-01	.3276-01	.3276-0	.9500	.1186-02	.1490-02	.2067	1.506	535.5

IH102 60-OTS UPPER MID FUSELAGE (R4WN51)

RUN NUMBER	XO MS	YO MS	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
449	22.610	.14000-01	2036.0	.3899-01	.5128-01	.5128-01	.9500	.1773-02	.2332-02	.2625	2.085	561.6
449	22.640	.30800	2160.0	.4802-01	.6267-01	.6267-01	.9500	.2184-02	.2850-02	.3315	2.396	557.5
449	22.640	.86800	2159.0	.5413-01	.7091-01	.7091-01	.9500	.2462-02	.3225-02	.3691	3.090	559.7
449	22.640	1.2180	2158.0	.4748-01	.6140-01	.6140-01	.9500	.2159-02	.2792-02	.3381	3.023	553.1
449	22.640	1.5820	2157.0	.4555-01	.5821-01	.5821-01	.9500	.2072-02	.2647-02	.3381	2.467	546.4

IH102 60-0 UPPER RH WING (R4W021)

UPPER RH WING

PARAMETRIC DATA

MACH = 3.010 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0010 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
547	3.518	3.010	-40.01	.0000	33.91	708.7	252.0	.9094	5.768	2342.	.9740-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
547	.5324-01	.9699-02

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
547	24.036	.50080	460.00	.1276	.1786	.1786	.9500	.6794-02	.9507-02	.8433	6.576	584.5
547	24.036	.55000	461.00	.1728	.2481	.2481	.9500	.9200-02	.1321-01	1.074	7.657	592.0
547	24.036	.60000	462.00	.2300	.3353	.3353	.9500	.1225-01	.1785-01	1.382	10.35	595.8
547	24.036	.65000	463.00	.1793	.2559	.2559	.9500	.9547-02	.1362-01	1.130	8.486	590.3
547	24.036	.70000	464.00	.1983	.2830	.2830	.9500	.1056-01	.1507-01	1.251	9.080	590.2
547	24.036	.72500	465.00	.2614	.3874	.3874	.9500	.1392-01	.2063-01	1.517	11.33	599.7
547	24.036	.75000	466.00	.2913	.4477	.4477	.9500	.1551-01	.2384-01	1.573	12.58	607.3
547	24.036	.77500	467.00	.2711	.4269	.4269	.9500	.1444-01	.2273-01	1.402	12.58	611.6
547	24.036	.80000	468.00	.2483	.3779	.3779	.9500	.1322-01	.2012-01	1.366	12.30	605.3
547	24.036	.82500	469.00	.2569	.3906	.3906	.9500	.1368-01	.2080-01	1.415	12.74	605.2
547	24.036	.85000	470.00	.2671	.4071	.4071	.9500	.1422-01	.2168-01	1.466	12.67	605.6
547	24.036	.87500	471.00	.2566	.3806	.3806	.9500	.1366-01	.2027-01	1.486	12.39	599.9
547	24.036	.92500	472.00	.2545	.3757	.3757	.9500	.1355-01	.2001-01	1.488	11.94	598.9
547	24.036	.95000	277.00	.2024	.2881	.2881	.9500	.1078-01	.1534-01	1.284	11.18	589.6
547	24.036	.97500	473.00	.1754	.2670	.2670	.9500	.9338-02	.1422-01	.9642	10.42	605.4

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPOBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
529	3.505	3.010	-14.45	-.4991-02	33.85	709.7	252.4	.9077	5.757	2344.	.9707-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
529	.5321-01	.9717-02

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
529	24.036	.50000	460.00	.2920-01	.3675-01	.3675-01	.9500	.1554-02	.1955-02	.2684	2.143	536.9
529	24.036	.55000	461.00	.4774-01	.6082-01	.6082-01	.9500	.2540-02	.3236-02	.4190	3.059	544.7
529	24.036	.60000	462.00	.5900-01	.7577-01	.7577-01	.9500	.3139-02	.4031-02	.5035	3.858	549.3
529	24.036	.65000	463.00	.5277-01	.6750-01	.6750-01	.9500	.2808-02	.3591-02	.4565	3.501	547.1
529	24.036	.70000	464.00	.7769-01	.1010	.1010	.9500	.4134-02	.5374-02	.6357	4.693	555.9
529	24.036	.72500	465.00	.1022	.1358	.1358	.9500	.5435-02	.7224-02	.7790	5.918	566.3
529	24.036	.75000	466.00	.1046	.1414	.1414	.9500	.5566-02	.7523-02	.7595	6.175	573.2
529	24.036	.77500	467.00	.9177-01	.1244	.1244	.9500	.4883-02	.6618-02	.6609	6.043	574.3
529	24.036	.80000	468.00	.7982-01	.1067	.1067	.9500	.4247-02	.5676-02	.5985	5.488	568.7
529	24.036	.82500	469.00	.8165-01	.1094	.1094	.9500	.4344-02	.5819-02	.6083	5.575	569.6
529	24.036	.85000	470.00	.8027-01	.1080	.1080	.9500	.4271-02	.5744-02	.5909	5.194	571.3
529	24.036	.87500	471.00	.8181-01	.1095	.1095	.9500	.4353-02	.5826-02	.6108	5.168	569.3
529	24.036	.92500	472.00	.8216-01	.1107	.1107	.9500	.4371-02	.5892-02	.6010	4.890	572.2
529	24.036	.95000	277.00	.7217-01	.9657-01	.9657-01	.9500	.3840-02	.5138-02	.5394	4.747	569.2
529	24.036	.97500	473.00	.5868-01	.8132-01	.8132-01	.9500	.3122-02	.4327-02	.3979	4.348	582.2

IH102 60-0 UPPER RH WING (R4W023)

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
526	3.506	3.010	.5162-02	-14.47	33.86	709.7	252.4	.9082	5.760	2344.	.9713-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
526	.5322-01	.9714-02

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
526	24.036	.50000	460.00	.5372-02	.6581-02	.6581-02	.9500	.2859-03	.3502-03	.5526-01	.4459	516.4
526	24.036	.55000	461.00	.1823-01	.2249-01	.2249-01	.9500	.9702-03	.1197-02	.1816	1.341	522.5
526	24.036	.60000	462.00	.2724-01	.3368-01	.3368-01	.9500	.1450-02	.1793-02	.2691	2.088	524.1
526	24.036	.65000	463.00	.2453-01	.3030-01	.3030-01	.9500	.1305-02	.1613-02	.2431	1.887	523.4
526	24.036	.70000	464.00	.2184-01	.2703-01	.2703-01	.9500	.1162-02	.1438-02	.2148	1.611	524.8
526	24.036	.72500	465.00	.1803-01	.2233-01	.2233-01	.9500	.9596-03	.1189-02	.1767	1.371	525.5
526	24.036	.75000	466.00	.1296-01	.1605-01	.1605-01	.9500	.6897-03	.8543-03	.1270	1.057	525.6
526	24.036	.77500	467.00	.1147-01	.1420-01	.1420-01	.9500	.6107-03	.7560-03	.1128	1.057	525.0
526	24.036	.80000	468.00	.9520-02	.1177-01	.1177-01	.9500	.5067-03	.6264-03	.9409-01	.8823	524.0
526	24.036	.82500	469.00	.1074-01	.1329-01	.1329-01	.9500	.5715-03	.7071-03	.1058	.9914	524.6
526	24.036	.85000	470.00	.6431-02	.7950-02	.7950-02	.9500	.3423-03	.4231-03	.6354-01	.5721	524.0
526	24.036	.87500	471.00	.8766-02	.1083-01	.1083-01	.9500	.4665-03	.5763-03	.8695-01	.7529	523.3
526	24.036	.92500	472.00	.1265-01	.1567-01	.1567-01	.9500	.6734-03	.8340-03	.1241	1.033	525.4
526	24.036	.95000	277.00	.1589-01	.1974-01	.1974-01	.9500	.8457-03	.1051-02	.1538	1.382	527.8
526	24.036	.97500	473.00	.1833-01	.2303-01	.2303-01	.9500	.9758-03	.1226-02	.1697	1.898	535.8

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
532	1.053	3.010	.2400-01	.1676-04	9.877	695.7	247.4	.2649	1.680	2321.	.2890-02	.1981-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
532	.2864-01	.1776-01

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
532	24.036	.60000	462.00	.2375-02	.2877-02	.2877-02	.9500	.6802-04	.8241-04	.1355-01	.1066	496.5
532	24.036	.65000	463.00	.4641-02	.5636-02	.5636-02	.9500	.1329-03	.1614-03	.2619-01	.2059	498.6
532	24.036	.70000	464.00	.1048-01	.1280-01	.1280-01	.9500	.3001-03	.3665-03	.5764-01	.4370	503.6
532	24.036	.72500	465.00	.1452-01	.1781-01	.1781-01	.9500	.4160-03	.5100-03	.7851-01	.6146	506.9
532	24.036	.75000	466.00	.1563-01	.1926-01	.1926-01	.9500	.4478-03	.5517-03	.8275-01	.6944	510.9
532	24.036	.77500	467.00	.1294-01	.1599-01	.1599-01	.9500	.3708-03	.4579-03	.6776-01	.6391	512.9
532	24.036	.80000	468.00	.1272-01	.1574-01	.1574-01	.9500	.3643-03	.4507-03	.6605-01	.6225	514.?
532	24.036	.82500	469.00	.1231-01	.1527-01	.1527-01	.9500	.3526-03	.4373-03	.6332-01	.5962	516.1
532	24.036	.85000	470.00	.1399-01	.1738-01	.1738-01	.9500	.4007-03	.4977-03	.7155-01	.6464	517.1
532	24.036	.87500	471.00	.1649-01	.2053-01	.2053-01	.9500	.4724-03	.5880-03	.8363-01	.7259	518.7
532	24.036	.92500	472.00	.2426-01	.3040-01	.3040-01	.9500	.6947-03	.8709-03	.1195	.9962	523.7
532	24.036	.95000	277.00	.3353-01	.4219-01	.4219-01	.9500	.9604-03	.1208-02	.1627	1.463	526.2
532	24.036	.97500	473.00	.4248-01	.5416-01	.5416-01	.9500	.1217-02	.1551-02	.1963	2.198	534.3

IH102 60-0 UPPER RH WING (R4W024)

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
523	3.503	3.010	.4800-01	.1005-03	33.83	709.7	252.4	.9074	5.755	2344.	.9704-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
523	.5320-01	.9719-02

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
523	24.036	.50000	460.00	.1384-01	.1696-01	.1696-01	.9500	.7363-03	.9024-03	.1420	1.145	516.9
523	24.036	.55000	461.00	.2059-01	.2529-01	.2529-01	.9500	.1096-02	.1346-02	.2092	1.548	518.8
523	24.036	.60000	462.00	.2197-01	.2700-01	.2700-01	.9500	.1169-02	.1436-02	.2224	1.730	519.4
523	24.036	.65000	463.00	.2393-01	.2950-01	.2950-01	.9500	.1273-02	.1569-02	.2394	1.860	521.6
523	24.036	.70000	464.00	.3611-01	.4501-01	.4501-01	.9500	.1921-02	.2394-02	.3447	2.578	530.2
523	24.036	.72500	465.00	.4456-01	.5610-01	.5610-01	.9500	.2371-02	.2984-02	.4089	3.152	537.2
523	24.036	.75000	466.00	.4320-01	.5470-01	.5470-01	.9500	.2298-02	.2910-02	.3878	3.205	540.9
523	24.036	.77500	467.00	.3424-01	.4319-01	.4319-01	.9500	.1822-02	.2298-02	.3120	2.904	538.4
523	24.036	.80000	468.00	.2669-01	.3610-01	.3610-01	.9500	.1526-02	.1920-02	.2640	2.460	536.7
523	24.036	.82500	469.00	.2700-01	.3391-01	.3391-01	.9500	.1436-02	.1804-02	.2503	2.333	535.5
523	24.036	.85000	470.00	.2293-01	.2869-01	.2869-01	.9500	.1220-02	.1526-02	.2155	1.931	533.0
523	24.036	.87500	471.00	.2139-01	.2665-01	.2665-01	.9500	.1138-02	.1418-02	.2047	1.767	529.8
523	24.036	.92500	472.00	.2947-01	.3694-01	.3694-01	.9500	.1568-02	.1965-02	.2751	2.281	534.2
523	24.036	.95000	277.00	.3303-01	.4169-01	.4169-01	.9500	.1757-02	.2218-02	.3002	2.682	538.9
523	24.036	.97500	473.00	.3301-01	.4265-01	.4265-01	.9500	.1756-02	.2269-02	.2756	3.057	552.7

IH102 60-0 UPPER RH WING (R4W025)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
554	2.005	4.020	-40.03	-.2446-02	32.98	708.7	167.5	.2115	2.393	2550.	.3409-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
554	.3432-01	.1640-01

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
554	24.036	.50000	460.00	.1403	.1803	.1803	.9500	.4815-02	.6189-02	.7686	6.100	549.0
554	24.036	.55000	461.00	.1961	.2542	.2542	.9500	.6729-02	.8723-02	1.043	7.583	553.6
554	24.036	.60000	462.00	.2165	.2810	.2810	.9500	.7431-02	.9643-02	1.148	8.772	554.2
554	24.036	.65000	463.00	.1945	.2513	.2513	.9500	.6675-02	.8625-02	1.046	8.006	551.9
554	24.036	.70000	464.00	.2298	.2977	.2977	.9500	.7891-02	.1022-01	1.229	9.082	553.0
554	24.036	.72500	465.00	.2664	.3483	.3483	.9500	.9141-02	.1195-01	1.377	10.50	558.0
554	24.036	.75000	466.00	.2879	.3801	.3801	.9500	.9881-02	.1304-01	1.444	11.81	562.5
554	24.036	.77500	467.00	.2580	.3445	.3445	.9500	.8854-02	.1182-01	1.250	11.47	567.5
554	24.036	.80000	468.00	.2158	.2859	.2859	.9500	.7406-02	.9813-02	1.070	9 833	564.2
554	24.036	.82500	469.00	.2126	.2821	.2821	.9500	.7295-02	.9680-02	1.049	9.635	564.9
554	24.036	.85000	470.00	.2227	.2953	.2953	.9500	.7643-02	.1013-01	1.102	9.724	564.4
554	24.036	.87500	471.00	.1852	.2443	.2443	.9500	.6356-02	.8385-02	.9308	7.903	562.2
554	24.036	.92500	472.00	.1651	.2182	.2182	.9500	.5665-02	.7488-02	.8246	6.739	563.1
554	24.036	.95000	277.00	.1146	.1499	.1499	.9500	.3932-02	.5143-02	.5920	5.238	558.1
554	24.036	.97500	473.00	.8199-01	.1096	.1096	.9500	.2814-02	.3762-02	.3955	4.352	568.1

IH102 60-0 UPPER RH WING (R4W025)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
551	3.510	4.020	-39.97	.0000	57.86	709.7	167.7	.3710	4.197	2552.	.5972-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
551	.4546-01	.1240-01

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
551	24.036	.50000	460.00	.1395	.1857	.1857	.9500	.6342-02	.8444-02	.9042	7.111	567.1
551	24.036	.55000	461.00	.1901	.2565	.2565	.9500	.8643-02	.1166-01	1.184	8.524	572.7
551	24.036	.60000	462.00	.2294	.3108	.3108	.9500	.1043-01	.1413-01	1.413	10.69	574.2
551	24.036	.65000	463.00	.2000	.2690	.2690	.9500	.9093-02	.1223-01	1.258	9.533	571.3
551	24.036	.70000	464.00	.2317	.3135	.3135	.9500	.1054-01	.1425-01	1.433	10.49	573.6
551	24.036	.72500	465.00	.2945	.4067	.4067	.9500	.1339-01	.1849-01	1.723	12.99	581.0
551	24.036	.75000	466.00	.3003	.4228	.4228	.9500	.1365-01	.1922-01	1.672	13.50	587.2
551	24.036	.77500	467.00	.2516	.3581	.3581	.9500	.1144-01	.1628-01	1.365	12.38	590.3
551	24.036	.80000	468.00	.2208	.3088	.3088	.9500	.1004-01	.1404-01	1.251	11.38	585.1
551	24.036	.82500	469.00	.2181	.3051	.3051	.9500	.9918-02	.1387-01	1.235	11.23	585.2
551	24.036	.85000	470.00	.2264	.3166	.3166	.9500	.1030-01	.1440-01	1.282	11.20	585.1
551	24.036	.87500	471.00	.2016	.2776	.2776	.9500	.9166-02	.1262-01	1.188	9.999	580.0
551	24.036	.92500	472.00	.1756	.2410	.2410	.9500	.7983-02	.1096-01	1.043	8.456	579.0
551	24.036	.95000	277.00	.1298	.1756	.1756	.9500	.5903-02	.7982-02	.8039	7.059	573.5
551	24.036	.97500	473.00	.1007	.1404	.1404	.9500	.4577-02	.6385-02	.5733	6.258	584.4

IH102 30-0 UPPER FH WING (R4W027)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.030 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
541	3.513	4.020	-14.45	-.9979-02	57.90	709.7	167.7	.3713	4.200	2552.	.5976-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
541	.4548-01	.1239-01

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
541	24.036	.50000	460.00	.2510-01	.3068-01	.3068-01	.9500	.1141-02	.1395-02	.2226	1.798	514.7
541	24.036	.55000	461.00	.4353-01	.5362-01	.5362-01	.9500	.1980-02	.2439-02	.3734	2.759	521.1
541	24.036	.60000	462.00	.5165-01	.6387-01	.6387-01	.9500	.2349-02	.2905-02	.4356	3.380	524.2
541	24.036	.65000	463.00	.4394-01	.5436-01	.5436-01	.9500	.1999-02	.2472-02	.3701	2.872	524.5
541	24.036	.70000	464.00	.5799-01	.7253-01	.7253-01	.9500	.2637-02	.3299-02	.4669	3.487	532.7
541	24.036	.72500	465.00	.7444-01	.9407-01	.9407-01	.9500	.3386-02	.4278-02	.5757	4.433	539.6
541	24.036	.75000	466.00	.7671-01	.9788-01	.9788-01	.9500	.3489-02	.4452-02	.5723	4.719	545.6
541	24.036	.77500	467.00	.6960-01	.8915-01	.8915-01	.9500	.3165-02	.4055-02	.5121	4.744	547.9
541	24.036	.80000	468.00	.6080-01	.7766-01	.7766-01	.9500	.2765-02	.3532-02	.4520	4.191	546.2
541	24.036	.82500	469.00	.6325-01	.8112-01	.8112-01	.9500	.2877-02	.3689-02	.4635	4.292	548.6
541	24.036	.85000	470.00	.6823-01	.8785-01	.8785-01	.9500	.3103-02	.3996-02	.4930	4.378	550.8
541	24.036	.87500	471.00	.6355-01	.8170-01	.8170-01	.9500	.2890-02	.3716-02	.4617	3.944	549.9
541	24.036	.92500	472.00	.6648-01	.8593-01	.8593-01	.9500	.3023-02	.3908-02	.4740	3.894	552.9
541	24.036	.95000	277.00	.5898-01	.7616-01	.7616-01	.9500	.2683-02	.3464-02	.4221	3.745	552.3
541	24.036	.97500	473.00	.4647-01	.6141-01	.6141-01	.9500	.2113-02	.2793-02	.3083	3.401	563.8

IH102 60-0 UPPER RH WING (R4W028)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
538	3.508	4.020	.0000	-14.44	57.94	710.7	167.9	.3716	4.204	2554.	.5973-02	.1351-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
538	.4551-01	.1240-01

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
538	24.036	.92500	472.00	.4095-02	.5092-02	.5092-02	.9500	.1863-03	.2318-03	.3380-01	.2809	529.3
538	24.036	.95000	277.00	.7930-02	.9892-02	.9892-02	.9500	.3609-03	.4502-03	.6468-01	.5800	531.5
538	24.036	.97500	473.00	.2930-02	.3695-02	.3695-02	.9500	.1334-03	.1682-03	.2289-01	.2556	539.0

IH102 60-0 UPPER RH WING (R4W029)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
544	1.049	4.010	-.3200-01	-.1117-04	17.13	707.7	167.9	.1113	1.253	2547.	.1790-02	.1351-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
544	.2483-01	.2264-01

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
544	24.036	.72500	465.00	.3076-02	.3763-02	.3763-02	.9500	.7636-04	.9343-04	.1479-01	.1153	514.0
544	24.036	.75000	466.00	.5525-02	.6790-02	.6790-02	.9500	.1372-03	.1686-03	.2604-01	.2177	517.8
544	24.036	.77500	467.00	.4455-02	.5484-02	.5484-02	.9500	.1106-03	.1362-03	.2085-01	.1960	519.2
544	24.036	.80000	468.00	.4768-02	.5872-02	.5872-02	.9500	.1184-03	.1458-03	.2227-01	.2093	519.5
544	24.036	.82500	469.00	.1856-02	.2290-02	.2290-02	.9500	.4607-04	.5685-04	.8596-02	.8073-01	521.1
544	24.036	.85000	470.00	.3781-02	.4672-02	.4672-02	.9500	.9388-04	.1160-03	.1744-01	.1571	522.0
544	24.036	.87500	471.00	.7000-02	.8656-02	.8656-02	.9500	.1738-03	.2149-03	.3214-01	.2784	522.7
544	24.036	.92500	472.00	.1361-01	.1691-01	.1691-01	.9500	.3379-03	.4199-03	.6122-01	.5097	526.5
544	24.036	.95000	277.00	.2054-01	.2561-01	.2561-01	.9500	.5101-03	.6359-03	.9123-01	.8192	528.8
544	24.036	.97500	473.00	.2086-01	.2630-01	.2630-01	.9500	.5180-03	.6528-03	.8871-01	.9920	536.4

IH102 60-0 UPPER RH WING (R4W029)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
535	3.519	4.020	.1200-01	.8378-05	58.00	709.7	167.7	.3720	4.208	2552.	.5987-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
535	.4552-01	.1238-01

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
535	24.036	.50000	460.00	.2541-02	.3076-02	.3076-02	.9500	.1157-03	.1400-03	.2357-01	.1912	505.9
535	24.036	.55000	461.00	.7151-02	.8686-02	.8686-02	.9500	.3255-03	.3954-03	.6537-01	.4861	508.9
535	24.036	.60000	462.00	.1066-01	.1297-01	.1297-01	.9500	.4851-03	.5906-03	.9630-01	.7523	511.1
535	24.036	.65000	463.00	.1087-01	.1327-01	.1327-01	.9500	.4950-03	.6042-03	.9722-01	.7586	513.3
535	24.036	.70000	464.00	.1437-01	.1767-01	.1767-01	.9500	.6540-03	.8042-03	.1242	.9341	519.7
535	24.036	.72500	465.00	.1940-01	.2402-01	.2402-01	.9500	.8832-03	.1093-02	.1630	1.264	525.1
535	24.036	.75000	466.00	.1882-01	.2343-01	.2343-01	.9500	.8567-03	.1067-02	.1544	1.284	529.4
535	24.036	.77500	467.00	.1394-01	.1732-01	.1732-01	.9500	.6347-03	.7886-03	.1154	1.080	527.9
535	24.036	.80000	468.00	.1086-01	.1347-01	.1347-01	.9500	.4943-03	.6133-03	.9043-01	.8468	526.7
535	24.036	.82500	469.00	.1062-01	.1319-01	.1319-01	.9500	.4833-03	.6007-03	.8781-01	.8218	528.0
535	24.036	.85000	470.00	.1187-01	.1479-01	.1479-01	.9500	.5404-03	.6733-03	.9714-01	.8719	529.9
535	24.036	.87500	471.00	.1176-01	.1467-01	.1467-01	.9500	.5356-03	.6677-03	.9601-01	.8284	530.4
535	24.036	.92500	472.00	.1803-01	.2260-01	.2260-01	.9500	.8209-03	.1029-02	.1441	1.195	534.2
535	24.036	.95000	277.00	.2363-01	.2976-01	.2976-01	.9500	.1076-02	.1355-02	.1853	1.657	537.4
535	24.036	.97500	473.00	.2310-01	.2958-01	.2958-01	.9500	.1051-02	.1346-02	.1703	1.893	547.7

IH102 60-OTS UPPER RH WING (R4W030)

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
490	3.503	3.010	-5.021	-11.00	33.83	709.7	252.4	.9073	5.754	2344.	.9703-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
490	.5320-01	.9719-02

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
490	24.036	.50000	460.00	.9585-02	.1231-01	.1231-01	.9500	.5099-03	.6550-03	.8168-01	.6481	549.5
490	24.036	.55000	461.00	.5811-02	.7469-02	.7469-02	.9500	.3091-03	.3973-03	.4942-01	.3599	549.8
490	24.036	.60000	462.00	.1415-02	.1813-02	.1813-02	.9500	.7526-04	.9645-04	.1216-01	.9319-01	548.2
490	24.036	.65000	463.00	.3753-02	.4807-02	.4807-02	.9500	.1997-03	.2557-03	.3233-01	.2479	547.7
490	24.036	.70000	464.00	.1726-01	.2240-01	.2240-01	.9500	.9180-03	.1191-02	.1420	1.048	555.0
490	24.036	.72500	465.00	.2240-01	.2929-01	.2929-01	.9500	.1192-02	.1558-02	.1799	1.371	558.7
490	24.036	.75000	466.00	.1995-01	.2617-01	.2617-01	.9500	.1061-02	.1392-02	.1585	1.297	560.4
490	24.036	.77500	467.00	.1395-01	.1823-01	.1823-01	.9500	.7418-03	.9698-03	.1120	1.032	558.7
490	24.036	.80000	468.00	.1300-01	.1688-01	.1688-01	.9500	.6916-03	.8981-03	.1068	.9854	555.3
490	24.036	.82500	469.00	.1149-01	.1490-01	.1490-01	.9500	.6111-03	.7924-03	.9477-01	.8751	554.6
490	24.036	.85000	470.00	.1299-01	.1682-01	.1682-01	.9500	.6909-03	.8949-03	.1076	.9539	554.0
490	24.036	.87500	471.00	.1516-01	.1956-01	.1956-01	.9500	.8067-03	.1040-02	.1274	1.088	551.7
490	24.036	.92500	472.00	.1893-01	.2455-01	.2455-01	.9500	.1007-02	.1306-02	.1562	1.282	554.6
490	24.036	.95000	277.00	.1981-01	.2581-01	.2581-01	.9500	.1054-02	.1373-02	.1608	1.423	557.1
490	24.036	.97500	473.00	.1848-01	.2485-01	.2485-01	.9500	.9830-03	.1322-02	.1360	1.494	571.3

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
501	1.037	3.010	-5.026	-6.020	9.672	692.7	246.3	.2594	1.645	2316.	.2842-02	.1972-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
501	.2832-01	.1790-01

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
501	24.036	.70000	464.00	.4832-02	.5978-02	.5978-02	.9500	.1368-03	.1693-03	.2471-01	.1865	512.1
501	24.036	.72500	465.00	.8065-02	.1002-01	.1002-01	.9500	.2284-03	.2839-03	.4048-01	.3155	515.4
501	24.036	.75000	466.00	.9470-02	.1184-01	.1184-01	.9500	.2682-03	.3352-03	.4649-01	.3884	519.3
501	24.036	.77500	467.00	.7768-02	.9730-02	.9730-02	.9500	.2200-03	.2756-03	.3778-01	.3549	520.9
501	24.036	.80000	468.00	.9770-02	.1225-01	.1225-01	.9500	.2767-03	.3470-03	.4728-01	.4439	521.8
501	24.036	.82500	469.00	.8867-02	.1114-01	.1114-01	.9500	.2511-03	.3155-03	.4260-01	.3997	523.0
501	24.036	.85000	470.00	.1228-01	.1546-01	.1546-01	.9500	.3479-03	.4378-03	.5867-01	.5282	524.0
501	24.036	.87500	471.00	.1260-01	.1589-01	.1589-01	.9500	.3570-03	.4500-03	.5977-01	.5170	525.2
501	24.036	.92500	472.00	.1880-01	.2392-01	.2392-01	.9500	.5324-03	.6773-03	.8617-01	.7158	530.8
501	24.036	.95000	277.00	.1981-01	.2533-01	.2533-01	.9500	.5609-03	.7174-03	.8906-01	.7978	533.9
501	24.036	.97500	473.00	.1313-01	.1707-01	.1707-01	.9500	.3719-03	.4835-03	.5579-01	.6219	542.6

IH102 60-OTS UPPER RH WING (R4W031)

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
483	3.541	3.010	-4.988	-5.949	34.12	708.7	252.0	.9151	5.804	2342.	.9801-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
483	.5341-01	.9668-02

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
483	24.036	.50000	460.00	.1422-01	.1813-01	.1813-01	.9500	.1594-03	.9686-03	.1246	.9909	544.6
483	24.036	.55000	461.00	.2158-01	.2762-01	.2762-01	.9500	.1153-02	.1475-02	.1866	1.361	546.8
483	24.036	.60000	462.00	.2421-01	.3097-01	.3097-01	.9500	.1293-02	.1654-02	.2100	1.611	546.3
483	24.036	.65000	463.00	.2369-01	.3024-01	.3024-01	.9500	.1265-02	.1615-02	.2068	1.587	545.2
483	24.036	.70000	464.00	.3332-01	.4271-01	.4271-01	.9500	.1779-02	.2281-02	.2867	2.125	547.5
483	24.036	.72500	465.00	.4086-01	.5267-01	.5267-01	.9500	.2183-02	.2813-02	.3450	2.642	550.6
483	24.036	.75000	466.00	.3998-01	.5178-01	.5178-01	.9500	.2136-02	.2765-02	.3322	2.728	553.1
483	24.036	.77500	467.00	.3187-01	.4102-01	.4102-01	.9500	.1702-02	.2191-02	.2704	2.502	549.8
483	24.036	.80000	468.00	.2436-01	.3113-01	.3113-01	.9500	.1301-02	.1663-02	.2121	1.967	545.7
483	24.036	.82500	469.00	.1954-01	.2494-01	.2494-01	.9500	.1044-02	.1332-02	.1710	1.587	544.8
483	24.036	.85000	470.00	.2036-01	.2594-01	.2594-01	.9500	.1088-02	.1386-02	.1791	1.596	544.0
483	24.036	.87500	471.00	.1954-01	.2476-01	.2476-01	.9500	.1044-02	.1323-02	.1753	1.505	540.7
483	24.036	.92500	472.00	.2471-01	.3145-01	.3145-01	.9500	.1320-02	.1680-02	.2182	1.801	543.3
483	24.036	.95000	277.00	.2661-01	.3406-01	.3406-01	.9500	.1421-02	.1819-02	.2303	2.049	546.7
483	24.036	.97500	473.00	.2559-01	.3345-01	.3345-01	.9500	.1367-02	.1787-02	.2061	2.280	557.9

IH102 60-OTS UPPER RH WING (R4W032)

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
498	1.036	3.010	-4.926	-.1717-02	9.697	694.7	247.0	.2601	1.649	2319.	.2841-02	.1978-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
498	.2837-01	.1791-01

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
498	24.036	.60000	462.00	.4596-02	.5590-02	.5590-02	.9500	.1304-03	.1586-03	.2547-01	.2002	499.3
498	24.036	.65000	463.00	.7457-02	.9111-02	.9111-02	.9500	.2116-03	.2585-03	.4049-01	.3176	503.3
498	24.036	.70000	464.00	.1114-01	.1367-01	.1367-01	.9500	.3160-03	.3879-03	.5917-01	.4477	507.4
498	24.036	.72500	465.00	.1335-01	.1644-01	.1644-01	.9500	.3787-03	.4666-03	.6983-01	.5458	510.3
498	24.036	.75000	466.00	.1428-01	.1768-01	.1768-01	.9500	.4052-03	.5015-03	.7327-01	.6139	513.8
498	24.036	.77500	467.00	.1260-01	.1562-01	.1562-01	.9500	.3574-03	.4432-03	.6411-01	.6039	515.3
498	24.036	.80000	468.00	.1179-01	.1464-01	.1464-01	.9500	.3346-03	.4155-03	.5970-01	.5621	516.3
498	24.036	.82500	469.00	.1180-01	.1468-01	.1468-01	.9500	.3347-03	.4164-03	.5927-01	.5576	517.6
498	24.036	.85000	470.00	.1397-01	.1740-01	.1740-01	.9500	.3963-03	.4937-03	.6972-01	.6293	518.7
498	24.036	.87500	471.00	.1745-01	.2179-01	.2179-01	.9500	.4952-03	.6183-03	.8635-01	.7489	520.3
498	24.036	.92500	472.00	.2472-01	.3124-01	.3124-01	.9500	.7015-03	.8863-03	.1169	.9721	528.1
498	24.036	.95000	277.00	.2784-01	.3543-01	.3543-01	.9500	.7899-03	.1005-02	.1281	1.148	532.6
498	24.036	.97500	473.00	.2715-01	.3530-01	.3530-01	.9500	.7703-03	.1002-02	.1159	1.291	544.2

IH102 60-0TS UPPER RH WING (R4W032)

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
472	3.513	3.010	-4.930	-.1719-02	33.93	709.7	252.4	.9098	5.770	2344.	.9730-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
472	.5327-01	.9705-02

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
472	24.036	.50000	460.00	.1203-01	.1529-01	.1529-01	.9500	.6407-03	.8144-03	.1066	.8485	543.3
472	24.036	.55000	461.00	.1916-01	.2446-01	.2446-01	.9500	.1021-02	.1303-02	.1671	1.220	545.9
472	24.036	.60000	462.00	.2343-01	.2995-01	.2995-01	.9500	.1248-02	.1596-02	.2032	1.559	546.8
472	24.036	.65000	463.00	.2363-01	.3015-01	.3015-01	.9500	.1259-02	.1606-02	.2067	1.587	545.5
472	24.036	.70000	464.00	.3803-01	.4906-01	.4906-01	.9500	.2026-02	.2613-02	.3198	2.365	551.8
472	24.036	.72500	465.00	.4991-01	.6507-01	.6507-01	.9500	.2659-02	.3466-02	.4052	3.092	557.3
472	24.036	.75000	466.00	.4999-01	.6554-01	.6554-01	.9500	.2663-02	.3492-02	.3982	3.259	560.1
472	24.036	.77500	467.00	.4165-01	.5446-01	.5446-01	.9500	.2219-02	.2901-02	.3348	3.085	558.8
472	24.036	.80000	468.00	.3493-01	.4537-01	.4537-01	.9500	.1861-02	.2417-02	.2868	2.647	555.5
472	24.036	.82500	469.00	.3265-01	.4229-01	.4229-01	.9500	.1739-02	.2253-02	.2705	2.498	554.1
472	24.036	.85000	470.00	.3162-01	.4075-01	.4075-01	.9500	.1685-02	.2171-02	.2669	2.370	551.2
472	24.036	.87500	471.00	.2600-01	.3317-01	.3317-01	.9500	.1385-02	.1767-02	.2275	1.948	545.4
472	24.036	.92500	472.00	.3243-01	.4160-01	.4160-01	.9500	.1728-02	.2216-02	.2782	2.290	548.6
472	24.036	.95000	277.00	.3481-01	.4502-01	.4502-01	.9500	.1855-02	.2398-02	.2903	2.576	553.1
472	24.036	.97500	473.00	.3738-01	.4988-01	.4988-01	.9500	.1991-02	.2657-02	.2819	3.102	568.1

IH102 60-OTS UPPER RH WING (R4W033)

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
486	3.516	3.010	-.1548-01	-10.95	33.96	709.7	252.4	.9106	5.775	2344.	.9739-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
486	.5329-01	.9701-02

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
486	24.036	.92500	472.00	.1956-01	.2588-01	.2588-01	.9500	.1042-02	.1379-02	.1513	1.235	564.5
486	24.036	.95000	277.00	.3532-01	.4706-01	.4706-01	.9500	.1882-02	.2508-02	.2679	2.359	567.4
486	24.036	.97500	473.00	.4416-01	.6150-01	.6150-01	.9500	.2354-02	.3278-02	.2962	3.234	583.8

UPPER RH WING

PARAMETRIC DATA

MACH = 3.010 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
480	3.536	3.010	-.1468-01	-5.986	34.08	708.7	252.0	.9140	5.797	2342.	.9789-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
480	.5338-01	.9674-02

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
480	24.036	.50000	460.00	.3003-02	.3798-02	.3798-02	.9500	.1603-03	.2027-03	.2713-01	.2163	539.4
480	24.036	.65000	463.00	.2813-02	.3539-02	.3539-02	.9500	.1502-03	.1889-03	.2593-01	.2000	536.0
480	24.036	.70000	464.00	.1416-01	.1795-01	.1795-01	.9500	.7557-03	.9583-03	.1267	.9420	541.1
480	24.036	.72500	465.00	.1939-01	.2470-01	.2470-01	.9500	.1035-02	.1319-02	.1705	1.310	543.9
480	24.036	.75000	466.00	.2023-01	.2592-01	.2592-01	.9500	.1080-02	.1384-02	.1744	1.437	547.2
480	24.036	.77500	467.00	.1898-01	.2430-01	.2430-01	.9500	.1013-02	.1297-02	.1639	1.519	546.9
480	24.036	.80000	468.00	.1444-01	.1838-01	.1838-01	.9500	.7707-03	.9809-03	.1274	1.183	543.4
480	24.036	.82500	469.00	.1157-01	.1464-01	.1464-01	.9500	.6176-03	.7817-03	.1043	.9699	539.9
480	24.036	.85000	470.00	.1187-01	.1500-01	.1500-01	.9500	.6339-03	.8007-03	.1078	.9634	538.6
480	24.036	.87500	471.00	.1386-01	.1749-01	.1749-01	.9500	.7398-03	.9336-03	.1263	1.086	537.9
480	24.036	.92500	472.00	.2156-01	.2762-01	.2762-01	.9500	.1151-02	.1474-02	.1860	1.532	547.1
480	24.036	.95000	277.00	.2759-01	.3574-01	.3574-01	.9500	.1473-02	.1908-02	.2290	2.031	553.2
480	24.036	.97500	473.00	.2620-01	.3518-01	.3518-01	.9500	.1398-02	.1878-02	.1940	2.133	569.9

IH102 60-OTS UPPER RH WING (R4W038)

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
475	3.525	3.010	.1051-02	-3.008	33.97	708.7	252.0	.9111	5.778	2342.	.9758-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
475	.5329-01	.9690-02

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
475	24.036	.60000	462.00	.7253-02	.9301-02	.9301-02	.9500	.3865-03	.4957-03	.6220-01	.4769	547.8
475	24.036	.65000	463.00	.1267-01	.1626-01	.1626-01	.9500	.6750-03	.8667-03	.1081	.8287	548.5
475	24.036	.70000	464.00	.1786-01	.2305-01	.2305-01	.9500	.9520-03	.1228-02	.1499	1.109	551.2
475	24.036	.72500	465.00	.1649-01	.2130-01	.2130-01	.9500	.8790-03	.1135-02	.1379	1.055	551.8
475	24.036	.75000	466.00	.1558-01	.2013-01	.2013-01	.9500	.8302-03	.1073-02	.1301	1.069	552.0
475	24.036	.77500	467.00	.1645-01	.2121-01	.2121-01	.9500	.8765-03	.1131-02	.1382	1.279	551.0
475	24.036	.80000	468.00	.1787-01	.2305-01	.2305-01	.9500	.9522-03	.1229-02	.1500	1.387	551.2
475	24.036	.82500	469.00	.1407-01	.1816-01	.1816-01	.9500	.7501-03	.9678-03	.1181	1.093	551.2
475	24.036	.85000	470.00	.1388-01	.1782-01	.1782-01	.9500	.7396-03	.9497-03	.1185	1.053	548.5
475	24.036	.87500	471.00	.1635-01	.2095-01	.2095-01	.9500	.8715-03	.1117-02	.1407	1.204	547.2
475	24.036	.92500	472.00	.2843-01	.3710-01	.3710-01	.9500	.1515-02	.1977-02	.2296	1.882	557.1
475	24.036	.95000	277.00	.3307-01	.4375-01	.4375-01	.9500	.1762-02	.2331-02	.2558	2.257	563.5
475	24.036	.97500	473.00	.2966-01	.4084-01	.4084-01	.9500	.1581-02	.2176-02	.2048	2.241	579.1

IH102 60-0TS UPPER RH WING (R4W039)

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
495	1.043	3.010	.3200-01	.1117-04	9.907	701.7	249.5	.2657	1.685	2331.	.2874-02	.1997-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
495	.2873-01	.1783-01

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
495	24.036	.70000	464.00	.3327-02	.4125-02	.4125-02	.9500	.9559-04	.1185-03	.1733-01	.1303	520.3
495	24.036	.72500	465.00	.6554-02	.8143-02	.8143-02	.9500	.1883-03	.2339-03	.3386-01	.2630	521.9
495	24.036	.75000	466.00	.7879-02	.9819-02	.9819-02	.9500	.2264-03	.2821-03	.4020-01	.3351	524.1
495	24.036	.77500	467.00	.1077-01	.1342-01	.1342-01	.9500	.3094-03	.3856-03	.5493-01	.5151	524.1
495	24.036	.80000	468.00	.9608-02	.1198-01	.1198-01	.9500	.2760-03	.3441-03	.4897-01	.4592	524.2
495	24.036	.82500	469.00	.9433-02	.1176-01	.1176-01	.9500	.2710-03	.3380-03	.4797-01	.4497	524.7
495	24.036	.85000	470.00	.1072-01	.1337-01	.1337-01	.9500	.3081-03	.3842-03	.5453-01	.4907	524.7
495	24.036	.87500	471.00	.1610-01	.2010-01	.2010-01	.9500	.4624-03	.5776-03	.8138-01	.7039	525.7
495	24.036	.92500	472.00	.2286-01	.2887-01	.2887-01	.9500	.6567-03	.8293-03	.1107	.9183	533.1
495	24.036	.95000	277.00	.2788-01	.3547-01	.3547-01	.9500	.8010-03	.1019-02	.1313	1.174	537.7
495	24.036	.97500	473.00	.3218-01	.4180-01	.4180-01	.9500	.9245-03	.1201-02	.1409	1.566	549.2

IH102 60-OTS UPPER RH WING (R4W039)

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. F	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
466	3.519	3.010	-.1800-01	.0000	33.98	709.7	252.4	.9113	5.779	2344.	.9746-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
466	.5331-01	.9698-02

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
466	24.036	.50000	460.00	.8159-02	.1021-01	.1021-01	.9500	.4350-03	.5444-03	.7678-01	.6143	533.1
466	24.036	.55000	461.00	.1627-01	.2044-01	.2044-01	.9500	.8673-03	.1090-02	.1507	1.106	535.9
466	24.036	.60000	462.00	.1948-01	.2453-01	.2453-01	.9500	.1039-02	.1308-02	.1791	1.380	537.2
466	24.036	.65000	463.00	.2012-01	.2534-01	.2534-01	.9500	.1072-02	.1351-02	.1846	1.423	537.5
466	24.036	.70000	464.00	.2921-01	.3703-01	.3703-01	.9500	.1557-02	.1974-02	.2617	1.946	541.6
466	24.036	.72500	465.00	.3527-01	.4490-01	.4490-01	.9500	.1880-02	.2394-02	.3110	2.389	544.3
466	24.036	.75000	466.00	.3534-01	.4509-01	.4509-01	.9500	.1884-02	.2404-02	.3091	2.548	545.6
466	24.036	.77500	467.00	.2887-01	.3676-01	.3676-01	.9500	.1539-02	.1960-02	.2545	2.362	544.3
466	24.036	.80000	468.00	.2822-01	.3597-01	.3597-01	.9500	.1504-02	.1918-02	.2478	2.299	544.9
466	24.036	.82500	469.00	.3186-01	.4062-01	.4062-01	.9500	.1699-02	.2166-02	.2793	2.591	545.2
466	24.036	.85000	470.00	.2816-01	.3574-01	.3574-01	.9500	.1501-02	.1905-02	.2512	2.240	542.4
466	24.036	.87500	471.00	.2570-01	.3240-01	.3240-01	.9500	.1370-02	.1727-02	.2352	2.021	538.0
466	24.036	.92500	472.00	.2913-01	.3692-01	.3692-01	.9500	.1553-02	.1969-02	.2611	2.157	541.6
466	24.036	.95000	277.00	.3304-01	.4225-01	.4225-01	.9500	.1761-02	.2253-02	.2866	2.550	546.9
466	24.036	.97500	473.00	.3531-01	.4634-01	.4634-01	.9500	.1882-02	.2470-02	.2806	3.099	560.6

IH102 60-OTS UPPER RH WING (R4W040)

UPPER RH WING

PARAMETRIC DATA

MACH = 3.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. F	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
469	3.507	3.010	4.964	.1731-02	33.87	709.7	252.4	.9082	5.760	2344.	.9713-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
469	.5322-01	.9714-02

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
469	24.036	.50000	460.00	.4036-02	.5055-02	.5055-02	.9500	.2148-03	.2690-03	.3782-01	.3025	533.6
469	24.036	.55000	461.00	.7952-02	.9985-02	.9985-02	.9500	.4232-03	.5314-03	.7376-01	.5411	535.4
469	24.036	.60000	462.00	.1207-01	.1522-01	.1522-01	.9500	.6426-03	.8102-03	.1102	.8492	538.1
469	24.036	.65000	463.00	.1438-01	.1814-01	.1814-01	.9500	.7653-03	.9653-03	.1311	1.010	538.3
469	24.036	.70000	464.00	.1833-01	.2319-01	.2319-01	.9500	.9756-03	.1234-02	.1652	1.229	540.3
469	24.036	.72500	465.00	.2011-01	.2547-01	.2547-01	.9500	.1070-02	.1356-02	.1805	1.389	541.0
469	24.036	.75000	466.00	.1703-01	.2163-01	.2163-01	.9500	.9063-03	.1151-02	.1512	1.249	542.8
469	24.036	.77500	467.00	.1296-01	.1646-01	.1646-01	.9500	.6899-03	.8761-03	.1152	1.070	542.7
469	24.036	.80000	468.00	.1585-01	.2008-01	.2008-01	.9500	.8438-03	.1069-02	.1422	1.321	541.2
469	24.036	.82500	469.00	.1849-01	.2342-01	.2342-01	.9500	.9843-03	.1247-02	.1659	1.543	541.1
469	24.036	.85000	470.00	.1950-01	.2470-01	.2470-01	.9500	.1038-02	.1315-02	.1750	1.561	541.1
469	24.036	.87500	471.00	.2533-01	.3217-01	.3217-01	.9500	.1348-02	.1712-02	.2250	1.930	542.7
469	24.036	.92500	472.00	.4164-01	.5468-01	.5468-01	.9500	.2216-02	.2910-02	.3298	2.699	560.8
469	24.036	.95000	277.00	.4772-01	.6411-01	.6411-01	.9500	.2540-02	.3412-02	.3524	3.098	570.9
469	24.036	.97500	473.00	.5080-01	.7239-01	.7239-01	.9500	.2704-02	.3853-02	.3217	3.501	590.7

IH102 60-OTS UPPER RH WING (R4W041)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
511	3.507	4.020	-5.014	-11.00	57.80	709.7	167.7	.3706	4.193	2552.	.5966-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
511	.4544-01	.1240-01

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
511	24.036	.80000	468.00	.1333-02	.1651-02	.1651-02	.9500	.6056-04	.7500-04	.1116-01	.1046	525.4
511	24.036	.85000	470.00	.1775-02	.2204-02	.2204-02	.9500	.8064-04	.1001-03	.1469-01	.1320	527.5
511	24.036	.87500	471.00	.4016-02	.4992-02	.4992-02	.9500	.1825-03	.2268-03	.3313-01	.2862	528.1
511	24.036	.92500	472.00	.1214-01	.1521-01	.1521-01	.9500	.5517-03	.6913-03	.9696-01	.8041	533.9
511	24.036	.95000	277.00	.1548-01	.1945-01	.1945-01	.9500	.7036-03	.8840-03	.1223	1.095	535.8
511	24.036	.97500	473.00	.1484-01	.1900-01	.1900-01	.9500	.6742-03	.8634-03	.1092	1.214	547.7

IH102 60-OTS UPPER RH WING (R4W042)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. F	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
520	1.025	4.020	-5.002	-5.969	16.96	711.7	168.2	.1088	1.231	2556.	.1746-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
520	.2463-01	.2294-01

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
520	24.036	.70000	464.00	.2022-02	.2456-02	.2456-02	.9500	.4979-04	.6050-04	.1001-01	.7565-01	510.6
520	24.036	.72500	465.00	.5335-02	.6501-02	.6501-02	.9500	.1314-03	.1601-03	.2607-01	.2034	513.3
520	24.036	.75000	466.00	.5533-02	.6766-02	.6766-02	.9500	.1363-03	.1666-03	.2662-01	.2228	516.3
520	24.036	.77500	467.00	.5955-02	.7290-02	.7290-02	.9500	.1467-03	.1796-03	.2849-01	.2681	517.4
520	24.036	.80000	468.00	.6927-02	.8483-02	.8483-02	.9500	.1706-03	.2089-03	.3310-01	.3115	517.6
520	24.036	.82500	469.00	.7307-02	.8958-02	.8958-02	.9500	.1800-03	.2206-03	.3474-01	.3267	518.6
520	24.036	.85000	470.00	.9209-02	.1129-01	.1129-01	.9500	.2268-03	.2781-03	.4375-01	.3949	518.8
520	24.036	.87500	471.00	.8439-02	.1035-01	.1035-01	.9500	.2078-03	.2550-03	.4002-01	.3473	519.1
520	24.036	.92500	472.00	.1790-01	.2206-01	.2206-01	.9500	.4409-03	.5433-03	.8322-01	.6941	522.9
520	24.036	.95000	277.00	.2276-01	.2812-01	.2812-01	.9500	.5607-03	.6926-03	.1047	.9424	524.9
520	24.036	.97500	473.00	.2193-01	.2734-01	.2734-01	.9500	.5402-03	.6735-03	.9709-01	1.088	531.9

IH102 60-0TS UPPER RH WING (R4W042)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. F	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
460	3.526	4.020	-4.966	-5.970	57.99	708.7	167.5	.3719	4.207	2550.	.5994-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
460	.4551-01	.1237-01

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
460	24.036	.65000	463.00	.3891-02	.4843-02	.4843-02	.9500	.1770-03	.2204-03	.3190-01	.2470	528.5
460	24.036	.70000	464.00	.8930-02	.1121-01	.1121-01	.9500	.4064-03	.5102-03	.7075-01	.5279	534.6
460	24.036	.72500	465.00	.1144-01	.1447-01	.1447-01	.9500	.5207-03	.6584-03	.8823-01	.6795	539.2
460	24.036	.75000	466.00	.8149-02	.1035-01	.1035-01	.9500	.3708-03	.4712-03	.6169-01	.5095	542.3
460	24.036	.77500	467.00	.8602-02	.1094-01	.1094-01	.9500	.3914-03	.4979-03	.6485-01	.6023	543.0
460	24.036	.80000	468.00	.7508-02	.9515-02	.9515-02	.9500	.3416-03	.4330-03	.5739-01	.5336	540.7
460	24.036	.82500	469.00	.4893-02	.6200-02	.6200-02	.9500	.2226-03	.2821-03	.3740-01	.3478	540.7
460	24.036	.85000	470.00	.2899-02	.3681-02	.3681-02	.9500	.1319-03	.1675-03	.2203-01	.1965	541.7
460	24.036	.87500	471.00	.6854-02	.8692-02	.8692-02	.9500	.3119-03	.3955-03	.5225-01	.4483	541.2
460	24.036	.92500	472.00	.1210-01	.1549-01	.1549-01	.9500	.5505-03	.7050-03	.8904-01	.7336	546.9
460	24.036	.95000	277.00	.1564-01	.2020-01	.2020-01	.9500	.7117-03	.9191-03	.1118	.9921	551.6
460	24.036	.97500	473.00	.6855-02	.9101-02	.9101-02	.9500	.3120-03	.4141-03	.4480-01	.4937	565.1

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. F	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
517	1.032	4.020	-4.920	-.1715-02	16.97	708.7	167.5	.1088	1.231	2550.	.1754-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
517	.2462-01	.2287-01

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
517	24.036	.72500	465.00	.1998-02	.2462-02	.2462-02	.9500	.4918-04	.6062-04	.9241-02	.7184-01	520.8
517	24.036	.75000	466.00	.4031-02	.4989-02	.4989-02	.9500	.9924-04	.1228-03	.1832-01	.1527	524.0
517	24.036	.77500	467.00	.3409-02	.4222-02	.4222-02	.9500	.8393-04	.1039-03	.1545-01	.1449	524.6
517	24.036	.80000	468.00	.4036-02	.4992-02	.4992-02	.9500	.9935-04	.1229-03	.1839-01	.1724	523.6
517	24.036	.82500	469.00	.2579-02	.3193-02	.3193-02	.9500	.6349-04	.7860-04	.1170-01	.1097	524.4
517	24.036	.85000	470.00	.2938-02	.3639-02	.3639-02	.9500	.7231-04	.8957-04	.1330-01	.1197	524.7
517	24.036	.87500	471.00	.8111-02	.1005-01	.1005-01	.9500	.1996-03	.2474-03	.3667-01	.3173	525.0
517	24.036	.92500	472.00	.1883-01	.2345-01	.2345-01	.9500	.4634-03	.5772-03	.8332-01	.6928	528.9
517	24.036	.95000	277.00	.2611-01	.3260-01	.3260-01	.9500	.6427-03	.8024-03	.1144	1.026	530.7
517	24.036	.97500	473.00	.2393-01	.3032-01	.3032-01	.9500	.5890-03	.7463-03	.9898-01	1.105	540.6

IH102 60-OTS UPPER RH WING (R4W043)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. F	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
451	3.519	4.020	-4.934	.0000	57.88	708.7	167.5	.3712	4.199	2550.	.5983-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
451	.4546-01	.1238-01

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
451	24.036	.50000	460.00	.3545-02	.4393-02	.4393-02	.9500	.1612-03	.1997-03	.2960-01	.2378	525.0
451	24.036	.55000	461.00	.8204-02	.1022-01	.1022-01	.9500	.3730-03	.4645-03	.6709-01	.4938	528.8
451	24.036	.60000	462.00	.1109-01	.1385-01	.1385-01	.9500	.5041-03	.6297-03	.8951-01	.6921	531.1
451	24.036	.65000	463.00	.1256-01	.1572-01	.1572-01	.9500	.5712-03	.7148-03	.1008	.7787	532.3
451	24.036	.70000	464.00	.2422-01	.3063-01	.3063-01	.9500	.1101-02	.1393-02	.1863	1.387	539.5
451	24.036	.72500	465.00	.3414-01	.4357-01	.4357-01	.9500	.1552-02	.1981-02	.2540	1.951	545.0
451	24.036	.75000	466.00	.3706-01	.4752-01	.4752-01	.9500	.1685-02	.2161-02	.2711	2.233	547.8
451	24.036	.77500	467.00	.3262-01	.4188-01	.4188-01	.9500	.1483-02	.1904-02	.2377	2.202	548.4
451	24.036	.80000	468.00	.2868-01	.3672-01	.3672-01	.9500	.1304-02	.1669-02	.2111	1.957	546.8
451	24.036	.82500	469.00	.2410-01	.3083-01	.3083-01	.9500	.1096-02	.1402-02	.1779	1.649	546.4
451	24.036	.85000	470.00	.2543-01	.3248-01	.3248-01	.9500	.1156-02	.1476-02	.1887	1.681	545.4
451	24.036	.87500	471.00	.2193-01	.2788-01	.2788-01	.9500	.9970-03	.1268-02	.1655	1.419	542.7
451	24.036	.92500	472.00	.2202-01	.2821-01	.2821-01	.9500	.1001-02	.1282-02	.1617	1.333	547.1
451	24.036	.95000	277.00	.2517-01	.3250-01	.3250-01	.9500	.1144-02	.1478-02	.1797	1.596	551.6
451	24.036	.97500	473.00	.2252-01	.2984-01	.2984-01	.9500	.1024-02	.1357-02	.1479	1.631	564.2

IH102 60-OTS UPPER RH WING (R4W045)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
503	3.489	4.020	-.1956-01	-11.07	57.75	711.7	168.2	.3703	4.189	2556.	.5944-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
503	.4544-01	.1243-01

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
503	24.036	.92500	472.00	.3275-02	.4144-02	.4144-02	.9500	.1488-03	.1883-03	.2527-01	.2087	541.9
503	24.036	.95000	277.00	.1031-01	.1309-01	.1309-01	.9500	.4686-03	.5947-03	.7866-01	.7011	543.8
503	24.036	.97500	473.00	.1216-01	.1571-01	.1571-01	.9500	.5528-03	.7137-03	.8725-01	.9671	553.8

IH102 60-OTS UPPER RH WING (R4W047)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
457	3.525	4.020	-.2096-02	-5.982	57.97	708.7	167.5	.3718	4.206	2550.	.5993-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
457	.4550-01	.1237-01

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
457	24.036	.72500	465.00	.1072-02	.1346-02	.1346-02	.9500	.4877-04	.6123-04	.8493-02	.6556-01	534.5
457	24.036	.77500	467.00	.1907-02	.2397-02	.2397-02	.9500	.8676-04	.1091-03	.1503-01	.1401	535.5
457	24.036	.80000	468.00	.3330-02	.4177-02	.4177-02	.9500	.1515-03	.1901-03	.2648-01	.2470	533.9
457	24.036	.82500	469.00	.2656-02	.3331-02	.3331-02	.9500	.1209-03	.1516-03	.2113-01	.1972	533.8
457	24.036	.85000	470.00	.2076-02	.2604-02	.2604-02	.9500	.9447-04	.1185-03	.1651-01	.1479	533.9
457	24.036	.87500	471.00	.4915-02	.6164-02	.6164-02	.9500	.2236-03	.2805-03	.3911-01	.3368	533.8
457	24.036	.92500	472.00	.1426-01	.1805-01	.1805-01	.9500	.6489-03	.8212-03	.1096	.9065	539.7
457	24.036	.95000	277.00	.1892-01	.2410-01	.2410-01	.9500	.8610-03	.1096-02	.1422	1.267	543.6
457	24.036	.97500	473.00	.1754-01	.2280-01	.2280-01	.9500	.7981-03	.1037-02	.1226	1.358	555.1

IH102 60-OTS UPPER RH WING (R4W049)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
454	3.528	4.020	.1037-02	-2.968	58.02	708.7	167.5	.3721	4.209	2550.	.5997-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
454	.4552-01	.1237-01

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
454	24.036	.65000	463.00	.1739-02	.2159-02	.2159-02	.9500	.7913-04	.9829-04	.1439-01	.1115	526.9
454	24.036	.70000	464.00	.3954-02	.4945-02	.4945-02	.9500	.1800-03	.2251-03	.3183-01	.2378	531.8
454	24.036	.72500	465.00	.3186-02	.3996-02	.3996-02	.9500	.1450-03	.1819-03	.2536-01	.1958	533.8
454	24.036	.75000	466.00	.4831-02	.6078-02	.6078-02	.9500	.2199-03	.2766-03	.3797-01	.3146	536.0
454	24.036	.77500	467.00	.3318-02	.4176-02	.4176-02	.9500	.1510-03	.1901-03	.2603-01	.2426	536.3
454	24.036	.80000	468.00	.4195-02	.5266-02	.5266-02	.9500	.1909-03	.2397-03	.3327-01	.3104	534.4
454	24.036	.82500	469.00	.4945-02	.6207-02	.6207-02	.9500	.2251-03	.2825-03	.3922-01	.3658	534.4
454	24.036	.85000	470.00	.7162-02	.9006-02	.9006-02	.9500	.3260-03	.4099-03	.5642-01	.5049	535.6
454	24.036	.87500	471.00	.8878-02	.1117-01	.1117-01	.9500	.4041-03	.5085-03	.6973-01	.5999	536.1
454	24.036	.92500	472.00	.1706-01	.2167-01	.2167-01	.9500	.7764-03	.9861-03	.1294	1.068	542.1
454	24.036	.95000	277.00	.2296-01	.2941-01	.2941-01	.9500	.1045-02	.1339-02	.1688	1.502	547.1
454	24.036	.97500	473.00	.2361-01	.3095-01	.3095-01	.9500	.1074-02	.1409-02	.1605	1.774	559.3

IH102 60-0TS UPPER RH WING (R4W050)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. F	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
515	1.034	4.020	.8000-02	.2793-05	17.04	709.7	167.7	.1093	1.236	2552.	.1759-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
515	.2467-01	.2284-01

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
515	24.036	.72500	465.00	.2103-02	.2599-02	.2599-02	.9500	.5188-04	.6413-04	.9642-02	.7483-01	523.8
515	24.036	.75000	466.00	.4273-02	.5293-02	.5293-02	.9500	.1054-03	.1306-03	.1942-01	.1618	525.5
515	24.036	.77500	467.00	.2035-02	.2519-02	.2519-02	.9500	.5021-04	.6215-04	.9272-02	.8691-01	525.0
515	24.036	.80000	468.00	.4331-02	.5353-02	.5353-02	.9500	.1069-03	.1321-03	.1985-01	.1861	523.9
515	24.036	.82500	469.00	.3994-02	.4938-02	.4938-02	.9500	.9854-04	.1218-03	.1829-01	.1715	524.1
515	24.036	.85000	470.00	.5768-02	.7128-02	.7128-02	.9500	.1423-03	.1759-03	.2647-01	.2383	523.7
515	24.036	.87500	471.00	.7714-02	.9531-02	.9531-02	.9500	.1903-03	.2352-03	.3544-01	.3069	523.5
515	24.036	.92500	472.00	.1706-01	.2117-01	.2117-01	.9500	.4210-03	.5223-03	.7701-01	.6410	526.7
515	24.036	.95000	277.00	.2396-01	.2984-01	.2984-01	.9500	.5913-03	.7364-03	.1065	.9560	529.6
515	24.036	.97500	473.00	.2292-01	.2892-01	.2892-01	.9500	.5656-03	.7135-03	.9677-01	1.081	538.6

IH102 60-OTS UPPER RH WING (R4W050)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
445	3.518	4.020	.2000-02	.6981-06	57.99	709.7	167.7	.3719	4.207	2552.	.5986-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
445	.4552-01	.1238-01

TEST DATA

RUN NUMBER	XO MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
445	24.036	.55000	461.00	.1108-02	.1380-02	.1380-02	.9500	.5042-04	.6280-04	.9073-02	.6675-01	529.7
445	24.036	.60000	462.00	.2087-02	.2608-02	.2608-02	.9500	.9500-04	.1187-03	.1687-01	.1304	532.1
445	24.036	.65000	463.00	.4716-02	.5916-02	.5916-02	.9500	.2147-03	.2693-03	.3756-01	.2899	534.7
445	24.036	.70000	464.00	.9027-02	.1137-01	.1137-01	.9500	.4109-03	.5177-03	.7065-01	.5264	537.7
445	24.036	.72500	465.00	.1187-01	.1502-01	.1502-01	.9500	.5401-03	.6838-03	.9121-01	.7018	540.8
445	24.036	.75000	466.00	.1556-01	.1978-01	.1978-01	.9500	.7081-03	.9004-03	.1176	.9709	543.5
445	24.036	.77500	467.00	.1294-01	.1645-01	.1645-01	.9500	.5888-03	.7487-03	.9779-01	.9079	543.6
445	24.036	.80000	468.00	.1267-01	.1607-01	.1607-01	.9500	.5765-03	.7312-03	.9668-01	.8984	542.0
445	24.036	.82500	469.00	.1359-01	.1724-01	.1724-01	.9500	.6185-03	.7849-03	.1035	.9619	542.3
445	24.036	.85000	470.00	.1414-01	.1795-01	.1795-01	.9500	.6438-03	.8169-03	.1073	.9613	542.3
445	24.036	.87500	471.00	.1434-01	.1817-01	.1817-01	.9500	.6525-03	.8268-03	.1099	.9427	541.3
445	24.036	.92500	472.00	.2018-01	.2581-01	.2581-01	.9500	.9184-03	.1175-02	.1494	1.231	547.0
445	24.036	.95000	277.00	.2665-01	.3441-01	.3441-01	.9500	.1213-02	.1566-02	.1911	1.696	552.2
445	24.036	.97500	473.00	.2382-01	.3165-01	.3165-01	.9500	.1084-02	.1441-02	.1556	1.714	566.1

IH102 60-OTS UPPER RH WING (R4W051)

UPPER RH WING

PARAMETRIC DATA

MACH = 4.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
448	3.517	4.020	4.970	.3465-02	57.97	709.7	167.7	.3718	4.206	2552.	.5984-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
448	.4551-01	.1238-01

TEST DATA

RUN NUMBER	XC MS	2Y/BW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
448	24.036	.70000	464.00	.9711-03	.1217-02	.1217-02	.9500	.4419-04	.5538-04	.7766-02	.5797-01	533.9
448	24.036	.72500	465.00	.2731-02	.3436-02	.3436-02	.9500	.1243-03	.1564-03	.2151-01	.1659	536.6
448	24.036	.75000	466.00	.2162-02	.2728-02	.2728-02	.9500	.9841-04	.1242-03	.1684-01	.1393	538.5
448	24.036	.77500	467.00	.3175-02	.4005-02	.4005-02	.9500	.1445-03	.1823-03	.2472-01	.2301	538.6
448	24.036	.80000	468.00	.4304-02	.5425-02	.5425-02	.9500	.1959-03	.2469-03	.3364-01	.3132	537.9
448	24.036	.82500	469.00	.4937-02	.6226-02	.6226-02	.9500	.2247-03	.2833-03	.3852-01	.3587	538.2
448	24.036	.85000	470.00	.6357-02	.8022-02	.8022-02	.9500	.2893-03	.3651-03	.4943-01	.4417	538.8
448	24.036	.87500	471.00	.1067-01	.1348-01	.1348-01	.9500	.4855-03	.6133-03	.8265-01	.7098	539.4
448	24.036	.92500	472.00	.2446-01	.3141-01	.3141-01	.9500	.1113-02	.1429-02	.1784	1.468	549.4
448	24.036	.95000	277.00	.3140-01	.4081-01	.4081-01	.9500	.1429-02	.1857-02	.2199	1.948	555.8
448	24.036	.97500	473.00	.3756-01	.5030-01	.5030-01	.9500	.1709-02	.2289-02	.2395	2.634	569.6

WING MISC.

PARAMETRIC DATA

MACH = 3.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
547	3.518	3.010	-40.01	.0000	33.91	708.7	252.0	.9094	5.768	2342.	.9740-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
547	.5324-01	.9699-02

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
547	1.0000	476.00	.21047	.2910	.2910	.9500	.1121-01	.1549-01	1.435	10.46	580.6
547	1.0000	477.00	.32059	.4724	.4724	.9500	.1707-01	.2515-01	1.882	14.57	598.4
547	1.0000	478.00	.53514	.8971	.8971	.9500	.2849-01	.4776-01	2.502	17.31	620.8
547	1.0000	479.00	.38812	.5789	.5789	.9500	.2067-01	.3082-01	2.222	15.03	601.2
547	1.0000	480.00	.39107	.5746	.5746	.9500	.2082-01	.3059-01	2.310	15.66	597.7
547	1.0000	481.00	.33914	.4943	.4943	.9500	.1806-01	.2632-01	2.038	13.83	595.8
547	1.0000	482.00	.32591	.5247	.5247	.9500	.1735-01	.2794-01	1.623	13.96	615.1
547	1.0000	483.00	.34598	.5388	.5388	.9500	.1842-01	.2869-01	1.824	14.05	609.6
547	1.0000	484.00	.26178	.3831	.3831	.9500	.1394-01	.2040-01	1.560	13.54	596.8
547	1.0000	485.00	.27504	.3919	.3919	.9500	.1464-01	.2087-01	1.740	13.07	589.8
547	1.0000	486.00	.42238	.6570	.6570	.9500	.2249-01	.3498-01	2.232	15.04	609.4
547	1.0000	487.00	.38186	.5711	.5711	.9500	.2033-01	.3041-01	2.174	15.69	601.7
547	1.0000	488.00	.34099	.4958	.4958	.9500	.1816-01	.2640-01	2.061	14.92	595.2
547	1.0000	489.00	.27410	.3915	.3915	.9500	.1459-01	.2084-01	1.725	12.52	590.5
547	1.0000	490.00	.32671	.5005	.5005	.9500	.1740-01	.2665-01	1.775	13.22	606.6
547	1.0000	491.00	.24817	.3519	.3519	.9500	.1321-01	.1874-01	1.589	11.94	588.4

WING MISC.

PARAMETRIC DATA

MACH = 3.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
529	3.505	3.010	-14.45	-.4991-02	33.85	709.7	252.4	.9077	5.757	2344.	.9707-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
529	.5321-01	.9717-02

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
529	1.0000	476.00	.68699-01	.8832-01	.8832-01	.9500	.3655-02	.4699-02	.5839	4.324	549.9
529	1.0000	477.00	.11800	.1592	.1592	.9500	.6279-02	.8468-02	.8616	6.759	572.4
529	1.0000	478.00	.26469	.4719	.4719	.9500	.1408-01	.2511-01	1.138	7.843	628.9
529	1.0000	479.00	.16860	.2351	.2351	.9500	.8971-02	.1251-01	1.125	7.678	584.2
529	1.0000	480.00	.15223	.2076	.2076	.9500	.8099-02	.1105-01	1.078	7.381	576.6
529	1.0000	481.00	.11435	.1523	.1523	.9500	.6084-02	.8101-02	.8669	5.966	567.2
529	1.0000	482.00	.10755	.1509	.1509	.9500	.5722-02	.8028-02	.7070	6.169	586.1
529	1.0000	483.00	.11749	.1632	.1632	.9500	.6251-02	.8682-02	.7924	6.183	582.9
529	1.0000	484.00	.71007-01	.9403-01	.9403-01	.9500	.3778-02	.5003-02	.5476	4.829	564.7
529	1.0000	485.00	.76751-01	.1009	.1009	.9500	.4084-02	.5369-02	.6052	4.608	561.5
529	1.0000	486.00	.20978	.3324	.3324	.9500	.1116-01	.1769-01	1.073	7.220	613.5
529	1.0000	487.00	.16167	.2283	.2283	.9500	.8602-02	.1215-01	1.046	7.597	588.1
529	1.0000	488.00	.13271	.1800	.1800	.9500	.7061-02	.9579-02	.9532	6.970	574.7
529	1.0000	489.00	.90491-01	.1192	.1192	.9500	.4815-02	.6341-02	.7099	5.224	562.2
529	1.0000	490.00	.10897	.1495	.1495	.9500	.5798-02	.7955-02	.7587	5.728	578.8
529	1.0000	491.00	.71073-01	.9352-01	.9352-01	.9500	.3782-02	.4976-02	.5592	4.257	561.8

IH102 60-0 WING MISC. (R4WP23)

WING MISC.

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
526	3.506	3.010	.5162-02	-14.47	33.86	709.7	252.4	.9082	5.760	2344.	.9713-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
526	.5322-01	.9714-02

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
526	1.0000	476.00	.15258-01	.1877-01	.1877-01	.9500	.8121-03	.9987-03	.1542	1.159	519.8
526	1.0000	477.00	.15883-01	.1961-01	.1961-01	.9500	.8453-03	.1044-02	.1579	1.270	522.9
526	1.0000	478.00	.11151	.1468	.1468	.9500	.5935-02	.7814-02	.8756	6.235	562.1
526	1.0000	479.00	.33101-01	.4115-01	.4115-01	.9500	.1762-02	.2190-02	.3197	2.244	528.2
526	1.0000	480.00	.25129-01	.3113-01	.3113-01	.9500	.1337-02	.1657-02	.2462	1.730	525.6
526	1.0000	481.00	.18473-01	.2280-01	.2280-01	.9500	.9832-03	.1213-02	.1839	1.295	522.6
526	1.0000	482.00	.58288-02	.7196-02	.7196-02	.9500	.3102-03	.3830-03	.5792-01	.5217	522.9
526	1.0000	483.00	.77935-02	.9623-02	.9623-02	.9500	.4148-03	.5121-03	.7743-01	.6227	523.0
526	1.0000	484.00	.15213-01	.1902-01	.1902-01	.9500	.8097-03	.1012-02	.1435	1.287	532.4
526	1.0000	485.00	.23352-01	.2932-01	.2932-01	.9500	.1243-02	.1560-02	.2167	1.672	535.3
526	1.0000	486.00	.89493-01	.1157	.1157	.9500	.4763-02	.6156-02	.7469	5.177	552.9
526	1.0000	487.00	.29767-01	.3706-01	.3706-01	.9500	.1584-02	.1972-02	.2857	2.138	529.3
526	1.0000	488.00	.21760-01	.2695-01	.2695-01	.9500	.1158-02	.1435-02	.2133	1.599	525.5
526	1.0000	489.00	.13738-01	.1694-01	.1694-01	.9500	.7312-03	.9017-03	.1372	1.030	522.0
526	1.0000	490.00	.68502-02	.8446-02	.8446-02	.9500	.3646-03	.4495-03	.6846-01	.5319	521.9
526	1.0000	491.00	.11561-01	.1434-01	.1434-01	.9500	.6153-03	.7632-03	.1127	.8732	526.6

IH102 60-0 WING MISC. (R4WP24)

WING MISC.

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
532	1.053	3.010	.2400-01	.1676-04	9.877	695.7	247.4	.2649	1.680	2321.	.2890-02	.1981-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
532	.2864-01	.1776-01

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
532	1.0000	476.00	.11845-01	.1445-01	.1445-01	.9500	.3393-03	.4139-03	.6541-01	.4960	502.9
532	1.0000	477.00	.20394-01	.2514-01	.2514-01	.9500	.5841-03	.7200-03	.1076	.8708	511.4
532	1.0000	478.00	.18275	.2413	.2413	.9500	.5234-02	.6911-02	.7505	5.371	552.3
532	1.0000	479.00	.47056-01	.5873-01	.5873-01	.9500	.1348-02	.1682-02	.2359	1.662	520.6
532	1.0000	480.00	.32560-01	.4043-01	.4043-01	.9500	.9326-03	.1158-02	.1667	1.177	516.9
532	1.0000	481.00	.23207-01	.2873-01	.2873-01	.9500	.6646-03	.8228-03	.1203	.8498	514.7
532	1.0000	482.00	.92904-02	.1148-01	.1148-01	.9500	.2661-03	.3289-03	.4851-01	.4391	513.4
532	1.0000	483.00	.10633-01	.1316-01	.1316-01	.9500	.3046-03	.3769-03	.5517-01	.4456	514.5
532	1.0000	484.00	.14128-01	.1753-01	.1753-01	.9500	.4047-03	.5022-03	.7249-01	.6551	516.5
532	1.0000	485.00	.16418-01	.2042-01	.2042-01	.9500	.4702-03	.5849-03	.8346-01	.6496	518.2
532	1.0000	486.00	.14975	.1948	.1948	.9500	.4289-02	.5579-02	.6453	4.490	545.2
532	1.0000	487.00	.48972-01	.6137-01	.6137-01	.9500	.1403-02	.1758-02	.2415	1.812	523.5
532	1.0000	488.00	.31866-01	.3972-01	.3972-01	.9500	.9127-03	.1138-02	.1606	1.208	519.7
532	1.0000	489.00	.18635-01	.2312-01	.2312-01	.9500	.5338-03	.6622-03	.9571-01	.7208	516.4
532	1.0000	490.00	.13274-01	.1644-01	.1644-01	.9500	.3802-03	.4708-03	.6870-01	.5356	515.0
532	1.0000	491.00	.16380-01	.2048-01	.2048-01	.9500	.4692-03	.5865-03	.8156-01	.6337	521.8

IH102 60-0 WING MISC. (R4WP2*)

WING MISC.

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
523	3.503	3.010	.4800-01	.1005-03	33.83	709.7	252.4	.9074	5.755	2344.	.9704-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
523	.5320-01	.9719-02

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
523	1.0000	476.00	.31604-01	.3921-01	.3921-01	.9500	.1681-02	.2086-02	.3077	2.305	526.7
523	1.0000	477.00	.49410-01	.6249-01	.6249-01	.9500	.2628-02	.3324-02	.4457	3.553	540.1
523	1.0000	478.00	.14738	.2118	.2118	.9500	.7840-02	.1127-01	.9141	6.410	593.1
523	1.0000	479.00	.61258-01	.7794-01	.7794-01	.9500	.3259-02	.4146-02	.5402	3.761	543.9
523	1.0000	480.00	.50514-01	.6365-01	.6365-01	.9500	.2687-02	.3386-02	.4620	3.227	537.8
523	1.0000	481.00	.42065-01	.5270-01	.5270-01	.9500	.2238-02	.2803-02	.3935	2.754	533.8
523	1.0000	482.00	.36218-01	.4571-01	.4571-01	.9500	.1927-02	.2432-02	.3292	2.941	538.8
523	1.0000	483.00	.36114-01	.4540-01	.4540-01	.9500	.1921-02	.2415-02	.3333	2.663	536.2
523	1.0000	484.00	.40712-01	.5190-01	.5190-01	.9500	.2166-02	.2761-02	.3564	3.174	545.1
523	1.0000	485.00	.44169-01	.5619-01	.5619-01	.9500	.2350-02	.2989-02	.3897	2.994	543.8
523	1.0000	486.00	.12228	.1675	.1675	.9500	.6505-02	.8911-02	.8547	5.849	578.3
523	1.0000	487.00	.56272-01	.7164-01	.7164-01	.9500	.2994-02	.3811-02	.4951	3.676	544.3
523	1.0000	488.00	.42413-01	.5333-01	.5333-01	.9500	.2256-02	.2837-02	.3912	2.916	536.3
523	1.0000	489.00	.29041-01	.3616-01	.3616-01	.9500	.1545-02	.1924-02	.2784	2.082	529.5
523	1.0000	490.00	.27398-01	.3405-01	.3405-01	.9500	.1458-02	.1811-02	.2647	2.050	528.1
523	1.0000	491.00	.24633-01	.3093-01	.3093-01	.9500	.1310-02	.1645-02	.2285	1.763	535.3

IH102 60-0 WING MISC. (R4WP25)

WING MISC.

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
554	2.005	4.020	-40.03	-.2446-02	32.98	708.7	167.5	.2115	2.393	2550.	.3409-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
554	.3432-01	.1640-01

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
554	1.0000	476.00	.19808	.2539	.2539	.9500	.6798-02	.8715-02	1.095	8.116	547.6
554	1.0000	477.00	.27686	.3622	.3622	.9500	.9501-02	.1243-01	1.429	11.29	558.3
554	1.0000	478.00	.54790	.7598	.7598	.9500	.1880-01	.2607-01	2.389	16.85	581.6
554	1.0000	479.00	.35341	.4683	.4683	.9500	.1213-01	.1607-01	1.752	12.07	564.2
554	1.0000	480.00	.33215	.4366	.4366	.9500	.1140-01	.1498-01	1.688	11.66	560.6
554	1.0000	481.00	.29616	.3880	.3880	.9500	.1016-01	.1331-01	1.522	10.52	558.9
554	1.0000	482.00	.31924	.4357	.4357	.9500	.1096-01	.1495-01	1.452	12.74	576.1
554	1.0000	483.00	.33623	.4535	.4535	.9500	.1154-01	.1556-01	1.581	12.41	571.6
554	1.0000	484.00	.18931	.2496	.2496	.9500	.6497-02	.8566-02	.9530	8.416	562.0
554	1.0000	485.00	.19991	.2620	.2620	.9500	.6861-02	.8992-02	1.026	7.818	559.2
554	1.0000	486.00	.44187	.6005	.6005	.9500	.1516-01	.2061-01	2.034	13.94	574.6
554	1.0000	487.00	.34174	.4537	.4537	.9500	.1173-01	.1557-01	1.684	12.37	565.1
554	1.0000	488.00	.27105	.3551	.3551	.9500	.9302-02	.1219-01	1.392	10.26	559.0
554	1.0000	489.00	.19788	.2577	.2577	.9500	.6791-02	.8843-02	1.037	7.652	556.0
554	1.0000	490.00	.29556	.3959	.3959	.9500	.1014-01	.1359-01	1.418	10.76	568.8
554	1.0000	491.00	.16261	.2126	.2128	.9500	.5581-02	.7298-02	.8410	6.415	558.0

WING MISC.

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. F	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
551	3.510	4.020	-39.97	.0000	57.86	709.7	167.7	.3710	4.197	2552.	.5972-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
551	.4546-01	.1240-01

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
551	1.0000	476.00	.21339	.2840	.2840	.9500	.9701-02	.1291-01	1.385	10.17	566.9
551	1.0000	477.00	.31173	.4319	.4319	.9500	.1417-01	.1964-01	1.807	14.11	582.2
551	1.0000	478.00	.56676	.8635	.8635	.9500	.2577-01	.3926-01	2.661	18.54	606.4
551	1.0000	479.00	.38792	.5476	.5476	.9500	.1764-01	.2490-01	2.146	14.62	588.0
551	1.0000	480.00	.38339	.5340	.5340	.9500	.1743-01	.2428-01	2.193	14.96	583.9
551	1.0000	481.00	.31828	.4389	.4389	.9500	.1447-01	.1995-01	1.868	12.77	580.6
551	1.0000	482.00	.30224	.4384	.4384	.9500	.1374-01	.1993-01	1.570	13.64	595.4
551	1.0000	483.00	.32265	.4596	.4596	.9500	.1467-01	.2090-01	1.747	13.58	590.6
551	1.0000	484.00	.21375	.2927	.2927	.9500	.9718-02	.1331-01	1.278	11.20	578.2
551	1.0000	485.00	.22495	.3040	.3040	.9500	.1023-01	.1382-01	1.396	10.57	573.2
551	1.0000	486.00	.47055	.6921	.6921	.9500	.2139-01	3147-01	2.371	16.06	598.8
551	1.0000	487.00	.34306	.4815	.4815	.9500	.1560-01	.2189-01	1.925	14.00	586.2
551	1.0000	488.00	.29431	.4043	.4043	.9500	.1338-01	.1838-01	1.746	12.74	579.2
551	1.0000	489.00	.22822	.3091	.3091	.9500	.1038-01	.1405-01	1.407	10.29	574.1
551	1.0000	490.00	.29177	.4106	.4106	.9500	.1327-01	.1867-01	1.626	12.23	587.1
551	1.0000	491.00	.18270	.2462	.2462	.9500	.8306-02	.1119-01	1.143	8.658	572.1

IH102 60-0 WING MISC. (R4WP27)

WING MISC.

PARAMETRIC DATA

MACH = 4.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
541	3.513	4.020	-14.45	-.9979-02	57.90	703.7	167.7	.3713	4.200	2552.	.5976-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
541	.4548-01	.1239-01

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
541	1.0000	476.00	.53024-01	.6580-01	.6580-01	.9500	.2412-02	.2993-02	.4406	3.301	526.9
541	1.0000	477.00	.85440-01	.1085	.1085	.9500	.3886-02	.4934-02	.6492	5.169	542.6
541	1.0000	478.00	.26720	.4040	.4040	.9500	.1215-01	.1837-01	1.274	8.880	604.9
541	1.0000	479.00	.13503	.1763	.1763	.9500	.6141-02	.8018-02	.9309	6.435	558.1
541	1.0000	480.00	.11160	.1433	.1433	.9500	.5076-02	.6517-02	.8145	5.655	549.2
541	1.0000	481.00	.81598-01	.1035	.1035	.9500	.3711-02	.4706-02	.6228	4.340	541.9
541	1.0000	482.00	.92022-01	.1207	.1207	.9500	.4185-02	.5488-02	.6254	5.528	560.2
541	1.0000	483.00	.10622	.1394	.1394	.9500	.4831-02	.6338-02	.7209	5.689	560.4
541	1.0000	484.00	.59086-01	.7609-01	.7609-01	.9500	.2687-02	.3461-02	.4267	3.789	550.9
541	1.0000	485.00	.63198-01	.8113-01	.8113-01	.9500	.2874-02	.3690-02	.4614	3.536	549.1
541	1.0000	486.00	.21500	.3109	.3109	.9500	.9778-02	.1414-01	1.124	7.633	594.7
541	1.0000	487.00	.14162	.1875	.1875	.9500	.6441-02	.8527-02	.9342	6.866	564.6
541	1.0000	488.00	.10825	.1397	.1397	.9500	.4923-02	.6352-02	.7768	5.746	551.9
541	1.0000	489.00	.69204-01	.8786-01	.8786-01	.9500	.3147-02	.3996-02	.5260	3.909	542.6
541	1.0000	490.00	.98193-01	.1280	.1280	.9500	.4466-02	.5820-02	.6809	5.196	557.2
541	1.0000	491.00	.61583-01	.7935-01	.7935-01	.9500	.2801-02	.3609-02	.4438	3.397	551.2

IH102 60-0 WING MISC. (R4WP28)

WING MISC.

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
538	3.508	4.020	.0000	-14.44	57.94	711.7	167.9	.3716	4.204	2554.	.5973-02	.1351-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
538	.4551-01	.1240-01

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
538	1.0000	477.00	.27969-02	.3436-02	.3436-02	.9500	.1273-03	.1564-03	.2433-01	.1960	519.6
538	1.0000	478.00	.82825-01	.1095	.1095	.9500	.3769-02	.4982-02	.5503	3.914	564.7
538	1.0000	479.00	.17692-01	.2200-01	.2200-01	.9500	.8052-03	.1001-02	.1461	1.024	529.3
538	1.0000	480.00	.12591-01	.1559-01	.1559-01	.9500	.5730-03	.7093-03	.1060	.7445	525.8
538	1.0000	481.00	.57035-02	.7021-02	.7021-02	.9500	.2596-03	.3195-03	.4915-01	.3462	521.3
538	1.0000	486.00	.63105-01	.8136-01	.8136-01	.9500	.2872-02	.3703-02	.4548	3.153	552.3
538	1.0000	487.00	.17308-01	.2161-01	.2161-01	.9500	.7877-03	.9833-03	.1407	1.051	532.0
538	1.0000	488.00	.11632-01	.1443-01	.1443-01	.9500	.5294-03	.6566-03	.9709-01	.7271	527.3
538	1.0000	489.00	.50331-02	.6200-02	.6200-02	.9500	.2291-03	.2822-03	.4324-01	.3248	521.9

IH102 60-0 WING MISC. (R4WP29)

WING MISC.

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
544	1.049	4.010	-.3200-01	-.1117-04	17.13	707.7	167.9	.1113	1.253	2547.	.1790-02	.1351-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
544	.2483-01	.2264-01

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
544	1.0000	476.00	.34041-02	.4136-02	.4136-02	.9500	.8451-04	.1027-03	.1690-01	.1278	507.7
544	1.0000	477.00	.12192-01	.1495-01	.1495-01	.9500	.3027-03	.3712-03	.5802-01	.4683	516.0
544	1.0000	478.00	.17964	.2299	.2299	.9500	.4460-02	.5707-02	.7219	5.183	545.9
544	1.0000	479.00	.36424-01	.4503-01	.4503-01	.9500	.9043-03	.1118-02	.1675	1.179	522.5
544	1.0000	480.00	.25467-01	.3141-01	.3141-01	.9500	.6323-03	.7798-03	.1182	.8330	520.7
544	1.0000	481.00	.14197-01	.1746-01	.1746-01	.9500	.3525-03	.4335-03	.6669-01	.4704	518.5
544	1.0000	482.00	.31051-02	.3834-02	.3834-02	.9500	.7709-04	.9518-04	.1435-01	.1293	521.6
544	1.0000	483.00	.51561-02	.6372-02	.6372-02	.9500	.1280-03	.1582-03	.2374-01	.1910	522.2
544	1.0000	484.00	.44534-02	.5507-02	.5507-02	.9500	.1106-03	.1367-03	.2044-01	.1841	522.8
544	1.0000	485.00	.56164-02	.6954-02	.6954-02	.9500	.1394-03	.1726-03	.2565-01	.1991	523.7
544	1.0000	486.00	.13532	.1719	.1719	.9500	.3360-02	.4269-02	.5582	3.891	541.5
544	1.0000	487.00	.37301-01	.4631-01	.4631-01	.9500	.9261-03	.1150-02	.1685	1.263	525.7
544	1.0000	488.00	.24520-01	.3034-01	.3034-01	.9500	.6088-03	.7533-03	.1122	.8422	523.3
544	1.0000	489.00	.11659-01	.1436-01	.1436-01	.9500	.2895-03	.3566-03	.5441-01	.4091	519.7
544	1.0000	490.00	.72595-02	.8961-02	.8961-02	.9500	.1802-03	.2225-03	.3359-01	.2611	521.3
544	1.0000	491.00	.91189-02	.1131-01	.1131-01	.9500	.2264-03	.2808-03	.4133-01	.3206	525.1

IH102 60-0 WING MISC. (R4WP29)

WING MISC.

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
535	3.519	4.020	.1200-01	.8378-05	58.00	709.7	167.7	.3720	4.208	2552.	.5987-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
535	.4552-01	.1238-01

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
535	1.0000	476.00	.14947-01	.1829-01	.1829-01	.9500	.6804-03	.8327-03	.1320	.9948	515.6
535	1.0000	477.00	.23296-01	.2888-01	.2888-01	.9500	.1060-02	.1315-02	.1945	1.561	526.3
535	1.0000	478.00	.15010	.2049	.2049	.9500	.6833-02	.9329-02	.9061	6.405	577.1
535	1.0000	479.00	.41134-01	.5153-01	.5153-01	.9500	.1873-02	.2346-02	.3295	2.306	533.7
535	1.0000	480.00	.29871-01	.3719-01	.3719-01	.9500	.1360-02	.1693-02	.2452	1.720	529.3
535	1.0000	481.00	.19593-01	.2428-01	.2428-01	.9500	.8919-03	.1105-02	.1640	1.153	525.7
535	1.0000	482.00	.11481-01	.1423-01	.1423-01	.9500	.5227-03	.6476-03	.9612-01	.8645	525.8
535	1.0000	483.00	.11854-01	.1471-01	.1471-01	.9500	.5396-03	.6698-03	.9851-01	.7906	527.1
535	1.0000	484.00	.16791-01	.2097-01	.2097-01	.9500	.7644-03	.9548-03	.1360	1.220	531.7
535	1.0000	485.00	.21150-01	.2652-01	.2652-01	.9500	.9628-03	.1207-02	.1686	1.302	534.5
535	1.0000	486.00	.12142	.1610	.1610	.9500	.5527-02	.7328-02	.7980	5.497	566.3
535	1.0000	487.00	.42464-01	.5344-01	.5344-01	.9500	.1933-02	.2433-02	.3339	2.488	536.9
535	1.0000	488.00	.28591-01	.3573-01	.3573-01	.9500	.1302-02	.1626-02	.2312	1.727	532.0
535	1.0000	489.00	.16056-01	.1992-01	.1992-01	.9500	.7309-03	.9070-03	.1336	1.001	526.9
535	1.0000	490.00	.12773-01	.1585-01	.1585-01	.9500	.5814-03	.7217-03	.1062	.8227	527.1
535	1.0000	491.00	.14297-01	.1790-01	.1790-01	.9500	.6508-03	.8150-03	.1147	.8855	533.5

WING MISC.

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
490	3.503	3.010	-5.021	-11.00	33.83	709.7	252.4	.9073	5.754	2344.	.9703-02	.2018-05

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
490	.5320-01	.9719-02

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HPEF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
490	1.0000	476.00	.16671-01	.2139-01	.2139-01	.9500	.8868-03	.1138-02	.1426	1.057	548.8
490	1.0000	477.00	.80010-03	.1018-02	.1018-02	.9500	.4256-04	.5418-04	.7043-02	.5604-01	544.2
490	1.0000	478.00	.11023	.1570	.1570	.9500	.5864-02	.8353-02	.6983	4.903	590.6
490	1.0000	479.00	.40090-01	.5237-01	.5237-01	.9500	.2133-02	.2786-02	.3228	2.231	558.3
490	1.0000	480.00	.32754-01	.4263-01	.4263-01	.9500	.1742-02	.2268-02	.2669	1.847	556.5
490	1.0000	481.00	.23972-01	.3097-01	.3097-01	.9500	.1275-02	.1647-02	.2002	1.388	552.6
490	1.0000	482.00	.16420-01	.2127-01	.2127-01	.9500	.8735-03	.1131-02	.1360	1.206	554.0
490	1.0000	483.00	.15598-01	.2013-01	.2013-01	.9500	.8297-03	.1071-02	.1309	1.037	552.0
490	1.0000	484.00	.32512-01	.4277-01	.4277-01	.9500	.1729-02	.2275-02	.2559	2.260	561.7
490	1.0000	485.00	.37370-01	.4928-01	.4928-01	.9500	.1988-02	.2622-02	.2918	2.220	562.9
490	1.0000	486.00	.86618-01	.1183	.1183	.9500	.4608-02	.6294-02	.6103	4.178	577.2
490	1.0000	487.00	.40962-01	.5364-01	.5364-01	.9500	.2179-02	.2854-02	.3271	2.410	559.6
490	1.0000	488.00	.32202-01	.4179-01	.4179-01	.9500	.1713-02	.2223-02	.2650	1.957	555.0
490	1.0000	489.00	.21328-01	.2738-01	.2738-01	.9500	.1135-02	.1456-02	.1822	1.349	549.1
490	1.0000	490.00	.14191-01	.1822-01	.1822-01	.9500	.7549-03	.9691-03	.1212	.9286	549.1
490	1.0000	491.00	.26342-01	.3456-01	.3456-01	.9500	.1401-02	.1838-02	.2092	1.594	560.4

WING MISC.

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
501	1.037	3.010	-5.026	-6.020	9.672	693.7	246.3	.2594	1.645	2316.	.2842-02	.1972-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
501	.2832-01	.1790-01

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
501	1.0000	476.00	.79657-02	.9845-02	.9845-02	.9500	.2256-03	.2788-03	.4093-01	.3090	511.3
501	1.0000	478.00	.13944	.1849	.1849	.9500	.3949-02	.5235-02	.5566	3.985	551.7
501	1.0000	479.00	.37854-01	.4782-01	.4782-01	.9500	.1072-02	.1354-02	.1781	1.251	526.5
501	1.0000	480.00	.28599-01	.3602-01	.3602-01	.9500	.8099-03	.1020-02	.1362	.9576	524.5
501	1.0000	481.00	.17567-01	.2203-01	.2203-01	.9500	.4975-03	.6239-03	.8507-01	.5990	521.7
501	1.0000	482.00	.35610-02	.4466-02	.4466-02	.9500	.1009-03	.1265-03	.1724-01	.1554	521.7
501	1.0000	483.00	.48113-02	.6039-02	.6039-02	.9500	.1363-03	.1710-03	.2321-01	.1837	522.3
501	1.0000	484.00	.83986-02	.1057-01	.1057-01	.9500	.2379-03	.2995-03	.4004-01	.3604	524.3
501	1.0000	485.00	.11011-01	.1391-01	.1391-01	.9500	.3118-03	.3939-03	.5185-01	.4019	526.4
501	1.0000	486.00	.10307	.1347	.1347	.9500	.2919-02	.3816-02	.4300	3.992	545.4
501	1.0000	487.00	.39848-01	.5058-01	.5058-01	.9500	.1129-02	.1433-02	.1842	1.378	529.5
501	1.0000	488.00	.27279-01	.3447-01	.3447-01	.9500	.7726-03	.9762-03	.1283	.9609	526.7
501	1.0000	489.00	.15326-01	.1924-01	.1924-01	.9500	.4340-03	.5450-03	.7383-01	.5543	522.6
501	1.0000	490.00	.64786-02	.8133-02	.8133-02	.9500	.1835-03	.2303-03	.3125-01	.2427	522.4
501	1.0000	491.00	.15057-01	.1906-01	.1906-01	.9500	.4264-03	.5398-03	.7032-01	.5447	527.8

WING MISC.

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
483	3.541	3.010	-4.988	-5.949	34.12	708.7	252.0	.9151	5.804	2342.	.9801-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
483	.5341-01	.9668-02

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
483	1.0000	476.00	.26901-01	.3430-01	.3430-01	.9500	.1437-02	.1832-02	.2361	1.753	544.4
483	1.0000	477.00	.41233-01	.5312-01	.5312-01	.9500	.2202-02	.2837-02	.3487	2.766	550.3
483	1.0000	478.00	.12166	.1699	.1699	.9500	.6498-02	.9075-02	.8109	5.712	583.9
483	1.0000	479.00	.46988-01	.6030-01	.6030-01	.9500	.2510-02	.3221-02	.4028	2.798	548.2
483	1.0000	480.00	.40241-01	.5137-01	.5137-01	.9500	.2149-02	.2744-02	.3515	2.446	545.1
483	1.0000	481.00	.33298-01	.4231-01	.4231-01	.9500	.1778-02	.2260-02	.2958	2.061	542.4
483	1.0000	482.00	.31104-01	.3985-01	.3985-01	.9500	.1661-02	.2129-02	.2691	2.385	547.3
483	1.0000	483.00	.28129-01	.3597-01	.3597-01	.9500	.1502-02	.1921-02	.2442	1.941	546.1
483	1.0000	484.00	.39365-01	.5125-01	.5125-01	.9500	.2103-02	.2737-02	.3213	2.847	555.8
483	1.0000	485.00	.48913-01	.6360-01	.6360-01	.9500	.2613-02	.3397-02	.4009	3.063	555.2
483	1.0000	486.00	.96753-01	.1306	.1306	.9500	.5168-02	.6976-02	.7063	4.849	572.0
483	1.0000	487.00	.45587-01	.5862-01	.5862-01	.9500	.2435-02	.3131-02	.3881	2.875	549.3
483	1.0000	488.00	.33920-01	.4320-01	.4320-01	.9500	.1812-02	.2307-02	.2989	2.220	543.7
483	1.0000	489.00	.23449-01	.2964-01	.2964-01	.9500	.1252-02	.1583-02	.2123	1.581	539.1
483	1.0000	490.00	.27901-01	.3553-01	.3553-01	.9500	.1490-02	.1898-02	.2459	1.890	543.6
483	1.0000	491.00	.28942-01	.3718-01	.3718-01	.9500	.1546-02	.1986-02	.2471	1.894	548.8

WING MISC.

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = 0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
498	1.036	3.010	-4.926	-.1717-02	9.697	694.7	247.0	.2601	1.649	2319.	.2841-02	.1978-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
498	.2837-01	.1791-01

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
498	1.0000	476.00	.11594-01	.1422-01	.1422-01	.9500	.3289-03	.4035-03	.6184-01	.4681	506.7
498	1.0000	478.00	.17094	.2264	.2264	.9500	.4850-02	.6423-02	.6881	4.923	552.8
498	1.0000	479.00	.42563-01	.5333-01	.5333-01	.9500	.1208-02	.1513-02	.2077	1.462	522.7
498	1.0000	480.00	.30879-01	.3846-01	.3846-01	.9500	.8750-03	.1091-02	.1534	1.081	519.4
498	1.0000	481.00	.19883-01	.2477-01	.2477-01	.9500	.5655-03	.7028-03	.1006	.7102	516.8
498	1.0000	482.00	.72227-02	.8950-02	.8950-02	.9500	.2049-03	.2539-03	.3688-01	.3336	514.7
498	1.0000	483.00	.85524-02	.1061-01	.1061-01	.9500	.2427-03	.3010-03	.4348-01	.3510	515.5
498	1.0000	484.00	.13029-01	.1624-01	.1624-01	.9500	.3697-03	.4607-03	.6500-01	.5868	518.8
498	1.0000	485.00	.14604-01	.1827-01	.1827-01	.9500	.4143-03	.5185-03	.7164-01	.5567	521.8
498	1.0000	486.00	.13243	.1728	.1728	.9500	.3757-02	.4904-02	.5582	3.882	546.1
498	1.0000	487.00	.47899-01	.6031-01	.6031-01	.9500	.1359-02	.1711-02	.2293	1.719	525.9
498	1.0000	488.00	.33505-01	.4193-01	.4193-01	.9500	.9506-03	.1190-02	.1643	1.234	521.9
498	1.0000	489.00	.18767-01	.2335-01	.2335-01	.9500	.5325-03	.6626-03	.9419-01	.7089	517.8
498	1.0000	490.00	.11021-01	.1368-01	.1368-01	.9500	.3127-03	.3880-03	.5597-01	.4362	515.7
498	1.0000	491.00	.18086-01	.2267-01	.2267-01	.9500	.5131-03	.6432-03	.8812-01	.6843	522.9

WING MISC.

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
472	3.513	3.010	-4.930	-.1719-02	33.93	709.7	252.4	.9098	5.770	2344.	.9730-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
472	.532"-01	.9705-02

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
472	1.0000	476.00	.33556-01	.4309-01	.4309-01	.9500	.1788-02	.2295-02	.2868	2.124	549.2
472	1.0000	477.00	.55875-01	.7327-01	.7327-01	.9500	2976-02	.3903-02	.4449	3.511	560.2
472	1.0000	478.00	.14465	.2130	.2130	.9500	.7706-02	.1135-01	.8519	5.956	599.1
472	1.0000	479.00	.64469-01	.8430-01	.8430-01	.9500	.3434-02	.4491-02	.5180	3.580	558.8
472	1.0000	480.00	.58910-01	.7653-01	.7653-01	.9500	.3138-02	.4077-02	.4836	3.347	555.6
472	1.0000	481.00	.48473-01	.6261-01	.6261-01	.9500	.2582-02	.3335-02	.4058	2.813	552.5
472	1.0000	482.00	.44170-01	.5737-01	.5737-01	.9500	2353-02	.3056-02	.3629	3.215	555.4
472	1.0000	483.00	.45654-01	.5901-01	.5901-01	.9500	.2432-02	.3143-02	.3813	3.020	552.9
472	1.0000	484.00	.44417-01	.5817-01	.5817-01	.9500	2366-02	.3099-02	.3552	3.141	559.6
472	1.0000	485.00	.51678-01	.6740-01	.6740-01	.9500	.2753-02	.3591-02	.4187	3.195	557.6
472	1.0000	486.00	.11438	.1597	.1597	.9500	.6093-02	.8508-02	.7617	5.196	584.7
472	1.0000	487.00	.59038-01	.7712-01	.7712-01	.9500	3145-02	.4108-02	.4759	3.509	558.3
472	1.0000	488.00	.47182-01	.6084-01	.6084-01	.9500	.2513-02	.3241-02	.3972	2.939	551.6
472	1.0000	489.00	.34331-01	.4385-01	.4385-01	.9500	1829-02	.2336-02	.2990	2.218	546.2
472	1.0000	490.00	.38351-01	.4910-01	.4910-01	.9500	.2043-02	2616-02	.3311	2.539	547.6
472	1.0000	491.00	.36937-01	.4782-01	.4782-01	.9500	1968-02	.2547-02	.3068	2.345	553.7

WING MISC.

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
486	3.516	3.010	-.1548-01	-10.95	33.96	709.7	252.4	.9106	5.775	2344.	.9739-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
486	.5329-01	.9701-02

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
486	1.0000	476.00	.38405-02	.4939-02	.4939-02	.9500	.2047-03	.2632-03	.3266-01	.2418	550.1
486	1.0000	478.00	.91108-01	.1257	.1257	.9500	.4856-02	.6701-02	.6256	4.414	580.8
486	1.0000	479.00	.17724-01	.2322-01	.2322-01	.9500	.9446-03	.1238-02	.1416	.9778	559.8
486	1.0000	480.00	.11887-01	.1554-01	.1554-01	.9500	.6335-03	.8284-03	.9555-01	.6603	558.8
486	1.0000	481.00	.51327-02	.6660-02	.6660-02	.9500	.2735-03	.3549-03	.4232-01	.2930	554.9
486	1.0000	484.00	.13891-01	.1839-01	.1839-01	.9500	.7403-03	.9803-03	.1073	.9462	564.7
486	1.0000	485.00	.19972-01	.2670-01	.2670-01	.9500	.1064-02	.1423-02	.1499	1.137	568.8
486	1.0000	486.00	.82363-01	.1109	.1109	.9500	.4389-02	.5909-02	.6056	4.158	571.7
486	1.0000	487.00	.19268-01	.2539-01	.2539-01	.9500	.1027-02	.1353-02	.1510	1.111	562.6
486	1.0000	488.00	.14450-01	.1892-01	.1892-01	.9500	.7701-03	.1008-02	1157	.8522	559.5
486	1.0000	489.00	.63407-02	.8958-02	.8958-02	.9500	.3699-03	.4774-03	.5829-01	.4311	552.1
486	1.0000	491.00	.42038-02	.5527-02	.5527-02	.9500	.2240-03	.2945-03	.3321-01	.2529	561.4

IH102 60-OTS WING MISC. (R4WP36)

WING MISC.

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
480	3.536	3.010	-.1468-01	-5.986	34.08	708.7	252.0	.9140	5.797	2342.	.9789-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
480	.5338-01	.9674-02

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
480	1.0000	476.00	.13374-01	.1686-01	.1686-01	.9500	.7139-03	.9000-03	.1223	.9116	537.3
480	1.0000	477.00	.24842-01	.3168-01	.3168-01	.9500	.1326-02	.1691-02	.2176	1.731	544.6
480	1.0000	478.00	.11234	.1567	.1567	.9500	.5997-02	.8364-02	.7507	5.289	583.5
480	1.0000	479.00	.37100-01	.4753-01	.4753-01	.9500	.1980-02	.2537-02	.3197	2.222	547.2
480	1.0000	480.00	.28243-01	.3607-01	.3607-01	.9500	.1508-02	.1926-02	.2461	1.712	545.4
480	1.0000	481.00	.19853-01	.2523-01	.2523-01	.9500	.1060-02	.1347-02	.1761	1.227	542.5
480	1.0000	482.00	.12938-01	.1639-01	.1639-01	.9500	.6906-03	.8749-03	.1162	1.037	540.4
480	1.0000	483.00	.11391-01	.1434-01	.1434-01	.9500	.6080-03	.7655-03	.1047	.8367	536.4
480	1.0000	484.00	.16093-01	.2048-01	.2048-01	.9500	.8590-03	.1093-02	.1420	1.266	543.3
480	1.0000	485.00	.24202-01	.3091-01	.3091-01	.9500	.1292-02	.1650-02	.2108	1.618	545.5
480	1.0000	486.00	.89815-01	.1220	.1220	.9500	.4794-02	.6511-02	.6443	4.418	574.3
480	1.0000	487.00	.35283-01	.4522-01	.4522-01	.9500	.1883-02	.2414-02	.3036	2.250	547.5
480	1.0000	488.00	.26466-01	.3363-01	.3363-01	.9500	.1413-02	.1795-02	.2349	1.746	542.4
480	1.0000	489.00	.17139-01	.2158-01	.2158-01	.9500	.9149-03	.1152-02	.1575	1.174	536.5
480	1.0000	490.00	.10134-01	.1270-01	.1270-01	.9500	.5410-03	.6779-03	.9491-01	.7332	533.2
480	1.0000	491.00	.20006-01	.2548-01	.2548-01	.9500	.1068-02	.1360-02	.1763	1.354	543.6

WING MISC.

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
475	3.525	3.010	.1051-02	-3.008	33.97	708.7	352.0	.9111	5.778	2342.	.9758-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
475	.5329-01	.9690-02

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
475	1.0000	476.00	.12837-01	.1647-01	.1647-01	.9500	.6842-03	.8777-03	.1099	.8147	548.0
475	1.0000	477.00	.17182-01	.2218-01	.2218-01	.9500	.9157-03	.1182-02	.1440	1.142	551.4
475	1.0000	478.00	.11750	.1719	.1719	.9500	.6262-02	.9162-02	.7011	4.908	596.7
475	1.0000	479.00	.42073-01	.5497-01	.5497-01	.9500	.2242-02	.2930-02	.3386	2.341	557.7
475	1.0000	480.00	.32716-01	.4239-01	.4239-01	.9500	.1744-02	.2259-02	.2707	1.876	553.4
475	1.0000	481.00	.25883-01	.3330-01	.3330-01	.9500	.1379-02	.1775-02	.2194	1.523	549.6
475	1.0000	482.00	.17554-01	.2251-01	.2251-01	.9500	.9355-03	.1200-02	.1505	1.338	547.8
475	1.0000	483.00	.14697-01	.1880-01	.1880-01	.9500	.7833-03	.1002-02	.1272	1.011	546.3
475	1.0000	484.00	.22396-01	.2915-01	.2915-01	.9500	.1194-02	.1554-02	.1825	1.617	555.8
475	1.0000	485.00	.31416-01	.4095-01	.4095-01	.9500	.1674-02	.2183-02	.2548	1.945	556.5
475	1.0000	486.00	.10019	.1410	.1410	.9500	.5340-02	.7516-02	.6534	4.453	586.3
475	1.0000	487.00	.44749-01	.5869-01	.5869-01	.9500	.2385-02	.3128-02	.3557	2.621	559.5
475	1.0000	488.00	.32649-01	.4232-01	.4232-01	.9500	.1740-02	.2256-02	.2698	1.994	553.6
475	1.0000	489.00	.21554-01	.2763-01	.2763-01	.9500	.1149-02	.1473-02	.1851	1.372	547.6
475	1.0000	490.00	.12287-01	.1562-01	.1562-01	.9500	.6548-03	.8323-03	.1088	.8367	542.5
475	1.0000	491.00	.13891-01	.1786-01	.1786-01	.9500	.7403-03	.9516-03	.1181	.9051	549.1

WING MISC.

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
495	1.043	3.010	.3200-01	.1117-04	9.907	701.7	349.5	.2657	1.685	2331.	.2874-02	.1997-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
495	.2873-01	.1783-01

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
495	1.0000	476.00	.73673-02	.9132-02	.9132-02	.9500	.2117-03	.2624-03	.3843-01	.2889	520.1
495	1.0000	478.00	.16097	.2123	.2123	.9500	.4624-02	.6099-02	.6710	4.792	556.6
495	1.0000	479.00	.42112-01	.5284-01	.5284-01	.9500	.1210-02	.1518-02	.2090	1.466	528.9
495	1.0000	480.00	.25742-01	.3222-01	.3222-01	.9500	.7396-03	.9255-03	.1291	.9067	527.1
495	1.0000	481.00	.17480-01	.2179-01	.2179-01	.9500	.5022-03	.6261-03	.8899-01	.6257	524.5
495	1.0000	482.00	.47895-02	.5955-02	.5955-02	.9500	.1376-03	.1711-03	.2467-01	.2223	522.4
495	1.0000	483.00	.61283-02	.7620-02	.7620-02	.9500	.1761-03	.2189-03	.3155-01	.2538	522.4
495	1.0000	484.00	.94286-02	.1177-01	.1177-01	.9500	.2709-03	.3381-03	.4781-01	.4301	525.2
495	1.0000	485.00	.11599-01	.1454-01	.1454-01	.9500	.3332-03	.4177-03	.5782-01	.4478	528.1
495	1.0000	486.00	.12862	.1674	.1674	.9500	.3695-02	.4810-02	.5592	3.881	550.3
495	1.0000	487.00	.41928-01	.5280-01	.5280-01	.9500	.1205-02	.1517-02	.2052	1.534	531.3
495	1.0000	488.00	.28102-01	.3520-01	.3520-01	.9500	.8074-03	.1011-02	.1404	1.052	527.7
495	1.0000	489.00	.17264-01	.2151-01	.2151-01	.9500	.4960-03	.6180-03	.8811-01	.6610	524.0
495	1.0000	490.00	.83268-02	.1109-01	.1109-01	.9500	.2565-03	.3185-03	.4616-01	.3587	521.7
495	1.0000	491.00	.13374-01	.1752-01	.1752-01	.9500	.4015-03	.5033-03	.6962-01	.5391	528.3

WING MISC.

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
466	3.519	3.010	-.1800-01	.0000	33.98	709.7	252.4	.9113	5.779	2344.	.9746-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
466	.5331-01	.9698-02

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
466	1.0000	476.00	.23623-01	.2982-01	.2982-01	.9500	.1259-02	.1590-02	.2151	1.601	538.9
466	1.0000	477.00	.35034-01	.4467-01	.4467-01	.9500	.1868-02	.2381-02	.3074	2.444	545.1
466	1.0000	478.00	.14995	.2184	.2184	.9500	.7994-02	.1164-01	.9048	6.334	596.5
466	1.0000	479.00	.57279-01	.7392-01	.7392-01	.9500	.3054-02	.3941-02	.4814	3.338	552.0
466	1.0000	480.00	.46535-01	.5944-01	.5944-01	.9500	.2481-02	.3169-02	.4055	2.820	546.2
466	1.0000	481.00	.35128-01	.4458-01	.4458-01	.9500	.1873-02	.2377-02	.3134	2.184	542.3
466	1.0000	482.00	.36594-01	.4638-01	.4638-01	.9500	.1951-02	.2473-02	.3281	2.928	541.5
466	1.0000	483.00	.40382-01	.5104-01	.5104-01	.9500	.2153-02	.2721-02	.3659	2.918	539.7
466	1.0000	484.00	.43531-01	.5603-01	.5603-01	.9500	.2321-02	.2987-02	.3691	3.279	550.6
466	1.0000	485.00	.48573-01	.6265-01	.6265-01	.9500	.2590-02	.3340-02	.4089	3.129	551.8
466	1.0000	486.00	.12627	.1754	.1754	.9500	.6732-02	.9349-02	.8532	5.825	582.9
466	1.0000	487.00	.62119-01	.8050-01	.8050-01	.9500	.3312-02	.4292-02	.5145	3.801	554.3
466	1.0000	488.00	.46727-01	.5969-01	.5969-01	.9500	.2491-02	.3182-02	.4071	3.020	546.3
466	1.0000	489.00	.33069-01	.4182-01	.4182-01	.9500	.1763-02	.2230-02	.2988	2.223	540.2
466	1.0000	490.00	.33922-01	.4264-01	.4264-01	.9500	.1808-02	.2273-02	.3137	2.420	536.2
466	1.0000	491.00	.30787-01	.3924-01	.3924-01	.9500	.1641-02	.2092-02	.2703	2.076	545.0

IH102 60-OTS WING MISC. (R4WP40)

WING MISC.

PARAMETRIC DATA

MACH = 3.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
469	3.507	3.010	4.964	.1731-02	33.87	709.7	252.4	.9082	5.760	2344.	.9713-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
469	.5322-01	.9714-02

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
469	1.0000	476.00	.15115-01	.1907-01	.1907-01	.9500	.8045-03	.1015-02	.1375	1.024	538.7
469	1.0000	477.00	.21425-01	.2719-01	.2719-01	.9500	.1140-02	.1447-02	.1909	1.520	542.3
469	1.0000	478.00	.13658	.1966	.1966	.9500	.7269-02	.1046-01	.8447	5.922	593.5
469	1.0000	479.00	.38444-01	.4925-01	.4925-01	.9500	.2046-02	.2621-02	.3308	2.298	548.0
469	1.0000	480.00	.28880-01	.3671-01	.3671-01	.9500	.1537-02	.1954-02	.2558	1.781	543.3
469	1.0000	481.00	.22205-01	.2813-01	.2813-01	.9500	.1182-02	.1497-02	.1990	1.387	541.3
469	1.0000	482.00	.16149-01	.2027-01	.2027-01	.9500	.8595-03	.1079-02	.1502	1.344	535.0
469	1.0000	483.00	.17693-01	.2220-01	.2220-01	.9500	.9417-03	.1181-02	.1647	1.316	534.8
469	1.0000	484.00	.26257-01	.3333-01	.3333-01	.9500	.1397-02	.1774-02	.2338	2.085	542.4
469	1.0000	485.00	.31831-01	.4085-01	.4085-01	.9500	.1694-02	.2174-02	.2723	2.087	548.9
469	1.0000	486.00	.11771	.1629	.1629	.9500	.6265-02	.8672-02	.8010	5.472	581.8
469	1.0000	487.00	.46946-01	.6035-01	.6035-01	.9500	.2499-02	.3212-02	.3992	2.956	549.9
469	1.0000	488.00	.35510-01	.4527-01	.4527-01	.9500	.1890-02	.2409-02	.3112	2.309	545.0
469	1.0000	489.00	.24286-01	.3078-01	.3078-01	.9500	.1293-02	.1638-02	.2175	1.617	541.4
469	1.0000	490.00	.18841-01	.2365-01	.2365-01	.9500	.1003-02	.1259-02	.1749	1.349	535.3
469	1.0000	491.00	.24719-01	.3185-01	.3185-01	.9500	.1316-02	.1695-02	.2085	1.596	551.2

IH102 60-OTS WING MISC. (R4WP41)

WING MISC.

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
511	3.507	4.020	-5.014	-11.00	57.80	709.7	167.7	.3706	4.193	2552.	.5966-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
511	.4544-01	.1240-01

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
511	1.0000	478.00	.92365-01	.1235	.1235	.9500	.4197-02	.5614-02	.5901	4.187	569.1
511	1.0000	479.00	.23917-01	.2995-01	.2995-01	.9500	.1087-02	.1361-02	.1914	1.340	533.5
511	1.0000	480.00	.16566-01	.2064-01	.2064-01	.9500	.7528-03	.9379-03	.1353	.9490	529.9
511	1.0000	481.00	.10200-01	.1262-01	.1262-01	.9500	.4635-03	.5736-03	.8569-01	.6024	524.8
511	1.0000	486.00	.69369-01	.9046-01	.9046-01	.9500	.3152-02	.4110-02	.4798	3.318	557.5
511	1.0000	487.00	.24257-01	.3050-01	.3050-01	.9500	.1102-02	.1386-02	.1910	1.424	536.4
511	1.0000	488.00	.16962-01	.2115-01	.2115-01	.9500	.7708-03	.9611-03	.1381	1.033	530.5
511	1.0000	489.00	.94728-02	.1172-01	.1172-01	.9500	.4304-03	.5324-03	.7876-01	.5982	524.4
511	1.0000	491.00	.15683-02	.1958-02	.1958-02	.9500	.7127-04	.8896-04	.1271-01	.9831-01	531.3

WING MISC.

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
520	1.025	4.020	-5.002	-5.969	16.96	711.7	168.2	.1088	1.231	2556.	.1746-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
520	.2463-01	.2294-01

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
520	1.0000	476.00	.45540-02	.5523-02	.5523-02	.9500	.1122-03	.1360-03	.2275-01	.1720	508.8
520	1.0000	477.00	.11878-01	.1450-01	.1450-01	.9500	.2926-03	.3570-03	.5763-01	.4654	514.7
520	1.0000	478.00	.14422	.1811	.1811	.9500	.3552-02	.4459-02	.6213	4.482	536.8
520	1.0000	479.00	.32205-01	.3956-01	.3956-01	.9500	.7932-03	.9743-03	.1519	1.070	520.2
520	1.0000	480.00	.24398-01	.2992-01	.2992-01	.9500	.6009-03	.7368-03	.1159	.8173	518.8
520	1.0000	481.00	.14455-01	.1768-01	.1768-01	.9500	.3560-03	.4355-03	.6945-01	.4903	516.6
520	1.0000	482.00	.53636-02	.6580-02	.6580-02	.9500	.1321-03	.1621-03	.2543-01	.2295	519.2
520	1.0000	483.00	.63260-02	.7764-02	.7764-02	.9500	.1558-03	.1912-03	.2993-01	.2411	519.6
520	1.0000	484.00	.75720-02	.9307-02	.9307-02	.9500	.1865-03	.2292-03	.3559-01	.3210	520.8
520	1.0000	485.00	.10099-01	.1244-01	.1244-01	.9500	.2487-03	.3064-03	.4707-01	.3656	522.5
520	1.0000	486.00	.11478	.1433	.1433	.9500	.2827-02	.3530-02	.5052	3.537	533.0
520	1.0000	487.00	.38138-01	.4695-01	.4695-01	.9500	.9393-03	.1156-02	.1780	1.337	522.2
520	1.0000	488.00	.24508-01	.3011-01	.3011-01	.9500	.6036-03	.7416-03	.1155	.8678	520.4
520	1.0000	489.00	.13406-01	.1640-01	.1640-01	.9500	.3302-03	.4040-03	.6430-01	.4841	516.9
520	1.0000	490.00	.64305-02	.7885-02	.7885-02	.9500	.1584-03	.1942-03	.3055-01	.2378	518.8
520	1.0000	491.00	.11089-01	.1366-01	.1366-01	.9500	.2731-03	.3365-03	.5158-01	.4006	522.8

IH102 60-OTS WING MISC. (R4WP42)

WING MISC.

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
460	3.526	4.020	-4.966	-5.970	57.99	708.7	167.5	.3719	4.207	2550.	.5994-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
460	.4551-01	.1237-01

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
460	1.0000	476.00	.10574-01	.1321-01	.1321-01	.9500	.4812-03	.6010-03	.8551-01	.6393	531.0
460	1.0000	477.00	.18559-01	.2347-01	.2347-01	.9500	.8445-03	.1068-02	.1431	1.141	539.3
460	1.0000	478.00	.92774-01	.1315	.1315	.9500	.4222-02	.5984-02	.5080	3.571	588.3
460	1.0000	479.00	.34131-01	.4379-01	.4379-01	.9500	.1553-02	.1993-02	.2494	1.733	548.1
460	1.0000	481.00	.18375-01	.2325-01	.2325-01	.9500	.8361-03	.1058-02	.1414	.9866	539.6
460	1.0000	482.00	.74858-02	.9488-02	.9488-02	.9500	.3406-03	.4318-03	.5719-01	.5104	540.8
460	1.0000	483.00	.72376-02	.9178-02	.9178-02	.9500	.3293-03	.4176-03	.5521-01	.4399	541.0
460	1.0000	484.00	.14347-01	.1834-01	.1834-01	.9500	.6528-03	.8344-03	.1063	.9468	545.8
460	1.0000	485.00	.21022-01	.2689-01	.2689-01	.9500	.9566-03	.1224-02	.1553	1.192	546.3
460	1.0000	486.00	.75062-01	.1020	.1020	.9500	.3416-02	.4642-02	.4581	3.141	574.5
460	1.0000	487.00	.33481-01	.4323-01	.4323-01	.9500	.1524-02	.1967-02	.2394	1.771	551.5
460	1.0000	488.00	.26028-01	.3321-01	.3321-01	.9500	.1184-02	.1511-02	.1940	1.440	544.9
460	1.0000	489.00	.14165-01	.1789-01	.1789-01	.9500	.6446-03	.8141-03	.1097	.8170	538.5
460	1.0000	490.00	.69620-02	.8805-02	.8805-02	.9500	.3168-03	.4007-03	.5364-01	.4130	539.4
460	1.0000	491.00	.11849-01	.1515-01	.1515-01	.9500	.5392-03	.6895-03	.8765-01	.6726	546.1

WING MISC.

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0001 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
517	1.032	4.020	-4.920	-.1715-02	16.97	708.7	167.5	.1088	1.231	2550.	.1754-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
517	.2462-01	.2287-01

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
517	1.0000	476.00	.33755-02	.4125-02	.4125-02	.9500	.8309-04	.1015-03	.1620-01	.1221	513.7
517	1.0000	477.00	.13800-01	.1702-01	.1702-01	.9500	.3397-03	.4189-03	.6363-01	.5122	521.3
517	1.0000	478.00	.17980	.2302	.2302	.9500	.4426-02	.5665-02	.7168	5.145	546.7
517	1.0000	479.00	.38982-01	.4836-01	.4836-01	.9500	.9596-03	.1190-02	.1754	1.232	525.9
517	1.0000	480.00	.29187-01	.3617-01	.3617-01	.9500	.7185-03	.8903-03	.1319	.9273	525.1
517	1.0000	481.00	.16450-01	.2031-01	.2031-01	.9500	.4049-03	.4998-03	.7556-01	.5320	522.1
517	1.0000	483.00	.28714-02	.3567-02	.3567-02	.9500	.7068-04	.8780-04	.1284-01	.1031	527.0
517	1.0000	484.00	.66561-02	.8251-02	.8251-02	.9500	.1638-03	.2031-03	.3003-01	.2702	525.4
517	1.0000	485.00	.74339-02	.9227-02	.9227-02	.9500	.1830-03	.2271-03	.3337-01	.2587	526.3
517	1.0000	486.00	.13822	.1756	.1756	.9500	.3402-02	.4323-02	.5663	3.946	542.2
517	1.0000	487.00	.43246-01	.5386-01	.5386-01	.9500	.1065-02	.1326-02	.1914	1.432	528.9
517	1.0000	488.00	.29672-01	.3683-01	.3683-01	.9500	.7304-03	.9066-03	.1332	.9978	526.3
517	1.0000	489.00	.15156-01	.1870-01	.1870-01	.9500	.3731-03	.4603-03	.6975-01	.5239	521.7
517	1.0000	490.00	.47432-02	.5878-02	.5878-02	.9500	.1168-03	.1447-03	.2142-01	.1662	525.2
517	1.0000	491.00	.11569-01	.1436-01	.1436-01	.9500	.2848-03	.3536-03	.5186-01	.4019	526.6

WING MISC.

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
451	3.519	4.020	-4.934	.0000	57.88	708.7	167.5	.3712	4.199	2550.	.5983-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
451	.4546-01	.1238-01

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
451	1.0000	476.00	.23633-01	.2975-01	.2975-01	.9500	.1074-02	.1353-02	.1852	1.380	536.3
451	1.0000	477.00	.43392-01	.5540-01	.5540-01	.9500	.1973-02	.2519-02	.3225	2.564	545.2
451	1.0000	478.00	.14996	.2084	.2084	.9500	.6818-02	.9476-02	.8612	6.071	582.4
451	1.0000	479.00	.69399-01	.8929-01	.8929-01	.9500	.3155-02	.4060-02	.5018	3.483	549.6
451	1.0000	481.00	.43492-01	.5542-01	.5542-01	.9500	.1977-02	.2519-02	.3256	2.267	544.0
451	1.0000	482.00	.43172-01	.5538-01	.5538-01	.9500	.1963-02	.2518-02	.3156	2.807	547.9
451	1.0000	483.00	.44575-01	.5714-01	.5714-01	.9500	.2027-02	.2598-02	.3265	2.594	547.5
451	1.0000	484.00	.35219-01	.4546-01	.4546-01	.9500	.1601-02	.2067-02	.2519	2.236	551.4
451	1.0000	485.00	.39209-01	.5058-01	.5058-01	.9500	.1783-02	.2300-02	.2809	2.150	551.1
451	1.0000	486.00	.11854	.1599	.1599	.9500	.5389-02	.7272-02	.7377	5.065	571.8
451	1.0000	487.00	.61161-01	.7877-01	.7877-01	.9500	.2781-02	.3581-02	.4408	3.263	550.1
451	1.0000	488.00	.44386-01	.5669-01	.5669-01	.9500	.2018-02	.2577-02	.3295	2.445	545.4
451	1.0000	489.00	.29882-01	.3792-01	.3792-01	.9500	.1359-02	.1724-02	.2270	1.688	541.6
451	1.0000	490.00	.38652-01	.4927-01	.4927-01	.9500	.1757-02	.2240-02	.2889	2.219	544.3
451	1.0000	491.00	.25232-01	.3228-01	.3228-01	.9500	.1147-02	.1468-02	.1862	1.429	546.4

IH102 60-0TS WING MISC. (R4WP45)

WING MISC.

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
503	3.489	4.020	-.1956-01	-11.07	57.75	711.7	168.2	.3703	4.189	2556.	.5944-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
503	.4544-01	.1243-01

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
503	1.0000	477.00	.32013-02	.4048-02	.4048-02	.9500	.1455-03	.1840-03	.2474-01	.1971	541.6
503	1.0000	478.00	.73106-01	.9528-01	.9528-01	.9500	.3322-02	.4330-02	.5080	3.624	558.8
503	1.0000	479.00	.13949-01	.1755-01	.1755-01	.9500	.6339-03	.7977-03	.1098	.7669	538.4
503	1.0000	480.00	.62341-02	.7845-02	.7845-02	.9500	.2833-03	.3565-03	.4909-01	.3427	538.4
503	1.0000	481.00	.22775-02	.2859-02	.2859-02	.9500	.1035-03	.1299-03	.1811-01	.1265	536.7
503	1.0000	486.00	.62333-01	.8045-01	.8045-01	.9500	.2833-02	.3656-02	.4476	3.101	553.7
503	1.0000	487.00	.17594-01	.2225-01	.2225-01	.9500	.7996-03	.1011-02	.1359	1.011	541.7
503	1.0000	488.00	.94191-02	.1187-01	.1187-01	.9500	.4280-03	.5396-03	.7366-01	.5482	539.6
503	1.0000	489.00	.40069-02	.5027-02	.5027-02	.9500	.1821-03	.2284-03	.3194-01	.2381	536.3
503	1.0000	491.00	.12271-02	.1558-02	.1558-02	.9500	.5576-04	.7082-04	.9331-02	.7168-01	544.3

WING MISC.

PARAMETRIC DATA

MACH = 4.001 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .000) SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
457	3.525	4.020	-.2096-02	-5.982	57.97	708.7	167.5	.3718	4.206	2550.	.5993-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
457	.4550-01	.1237-01

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
457	1.0000	476.00	.52404-02	.6501-02	.6501-02	.9500	.2384-03	.2958-03	.4358-01	.3266	525.9
457	1.0000	477.00	.82557-02	.1034-01	.1034-01	.9500	.3756-03	.4703-03	.6613-01	.5292	532.6
457	1.0000	478.00	.98040-01	.1305	.1305	.9500	.4461-02	.5939-02	.6349	4.512	566.3
457	1.0000	479.00	.24480-01	.3083-01	.3083-01	.9500	.1114-02	.1403-02	.1917	1.340	536.6
457	1.0000	481.00	.10800-01	.1351-01	.1351-01	.9500	.4914-03	.6149-03	.8667-01	.6070	532.3
457	1.0000	482.00	.12261-02	.1538-02	.1538-02	.9500	.5578-04	.6996-04	.9753-02	.8736-01	533.8
457	1.0000	483.00	.13204-02	.1657-02	.1657-02	.9500	.6008-04	.7539-04	.1048-01	.8378-01	534.3
457	1.0000	484.00	.68943-02	.8714-02	.8714-02	.9500	.3137-03	.3965-03	.5323-01	.4755	539.0
457	1.0000	485.00	.88251-02	.1120-01	.1120-01	.9500	.4015-03	.5096-03	.6708-01	.5159	541.6
457	1.0000	486.00	.80914-01	.1061	.1061	.9500	.3682-02	.4829-02	.5489	3.792	559.6
457	1.0000	487.00	.26401-01	.3339-01	.3339-01	.9500	.1201-02	.1519-02	.2035	1.515	539.3
457	1.0000	488.00	.17105-01	.2153-01	.2153-01	.9500	.7783-03	.9795-03	.1343	1.001	536.2
457	1.0000	489.00	.92295-02	.1154-01	.1154-01	.9500	.4199-03	.5250-03	.7436-01	.5557	531.6
457	1.0000	490.00	.18667-02	.2335-02	.2335-02	.9500	.8493-04	.1062-03	.1501-01	.1160	531.9
457	1.0000	491.00	.50871-02	.6417-02	.6417-02	.9500	.2315-03	.2920-03	.3958-01	.3051	537.7

IH102 60-OTS WING MISC. (R4WP49)

WING MISC.

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
454	3.528	4.020	.1037-02	-2.968	58.02	708.7	167.5	.3721	4.209	2550.	.5997-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
454	.4552-01	.1237-01

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
454	1.0000	476.00	.69296-02	.8619-02	.8619-02	.9500	.3154-03	.3923-03	.5702-01	.4269	527.9
454	1.0000	477.00	.95599-02	.1197-01	.1197-01	.9500	.4351-03	.5449-03	.7656-01	.6126	532.7
454	1.0000	478.00	.11811	.1492	.1492	.9500	.5012-02	.6792-02	.6778	4.799	573.4
454	1.0000	479.00	.31542-01	.3992-01	.3992-01	.9500	.1436-02	.1817-02	.2424	1.691	539.8
454	1.0000	480.00	.18779-01	.2365-01	.2365-01	.9500	.8548-03	.1076-02	.1471	1.028	536.6
454	1.0000	481.00	.12662-01	.1588-01	.1588-01	.9500	.5763-03	.7228-03	.1008	.7055	533.8
454	1.0000	482.00	.12598-02	.1578-02	.1578-02	.9500	.5734-04	.7184-04	.1007-01	.9022-01	533.1
454	1.0000	483.00	.14497-02	.1818-02	.1818-02	.9500	.6599-04	.8274-04	.1154-01	.9233-01	533.7
454	1.0000	484.00	.34719-02	.4378-02	.4378-02	.9500	.1580-03	.1993-03	.2705-01	.2419	537.5
454	1.0000	485.00	.51194-02	.6485-02	.6485-02	.9500	.2330-03	.2952-03	.3920-01	.3017	540.4
454	1.0000	486.00	.88626-01	.1177	.1177	.9500	.4034-02	.5356-02	.5791	3.989	565.1
454	1.0000	487.00	.31729-01	.4034-01	.4034-01	.9500	.1444-02	.1836-02	.2398	1.782	542.6
454	1.0000	488.00	.21144-01	.2670-01	.2670-01	.9500	.9624-03	.1215-02	.1640	1.221	538.3
454	1.0000	489.00	.12128-01	.1521-01	.1521-01	.9500	.5520-03	.6923-03	.9654-01	.7207	533.8
454	1.0000	490.00	.37040-02	.4637-02	.4637-02	.9500	.1686-03	.2111-03	.2969-01	.2295	532.5
454	1.0000	491.00	.91561-02	.1158-01	.1158-01	.9500	.4168-03	.5272-03	.7048-01	.5427	539.6

WING MISC.

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
515	1.034	4.020	.8000-02	.2793-05	17.04	709.7	167.7	.1093	1.236	2552.	.1759-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
515	.2467-01	.2284-01

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
515	1.0000	476.00	.17880-02	.2200-02	.2200-02	.9500	.4412-04	.5429-04	.8355-02	.6280-01	520.3
515	1.0000	477.00	.96018-02	.1186-01	.1186-01	.9500	.2369-03	.2927-03	.4410-01	.3546	523.5
515	1.0000	478.00	.15412	.1975	.1975	.9500	.3803-02	.4874-02	.6139	4.403	548.2
515	1.0000	479.00	.29151-01	.3614-01	.3614-01	.9500	.7193-03	.8918-03	.1319	.9269	526.2
515	1.0000	480.00	.22523-01	.2788-01	.2788-01	.9500	.5557-03	.6878-03	.1027	.7219	524.9
515	1.0000	481.00	.11742-01	.1449-01	.1449-01	.9500	.2897-03	.3576-03	.5412-01	.3809	522.9
515	1.0000	482.00	.24189-02	.2992-02	.2992-02	.9500	.5968-04	.7382-04	.1106-01	.9951-01	524.4
515	1.0000	483.00	.29593-02	.3661-02	.3661-02	.9500	.7302-04	.9033-04	.1352-01	.1086	524.5
515	1.0000	484.00	.34232-02	.4238-02	.4238-02	.9500	.8446-04	.1046-03	.1558-01	.1402	525.2
515	1.0000	485.00	.42128-02	.5224-02	.5224-02	.9500	.1039-03	.1289-03	.1906-01	.1477	526.3
515	1.0000	486.00	.11593	.1472	.1472	.9500	.2861-02	.3633-02	.4775	3.327	542.7
515	1.0000	487.00	.35360-01	.4395-01	.4395-01	.9500	.8725-03	.1084-02	.1584	1.186	528.1
515	1.0000	488.00	.23820-01	.2951-01	.2951-01	.9500	.5877-03	.7281-03	.1081	.8107	525.7
515	1.0000	489.00	.12014-01	.1481-01	.1481-01	.9500	.2964-03	.3655-03	.5564-01	.4179	522.0
515	1.0000	490.00	.42696-02	.5267-02	.5267-02	.9500	.1053-03	.1300-03	.1974-01	.1533	522.3
515	1.0000	491.00	.84556-02	.1046-01	.1046-01	.9500	.2086-03	.2582-03	.3858-01	.2993	524.8

WING MISC.

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
445	3.518	4.020	.2000-02	.6981-06	57.99	709.7	167.7	.3719	4.207	2552.	.5986-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
445	.4552-01	.1238-01

TEST DATA

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
445	1.0000	476.00	.96139-02	.1207-01	.1207-01	.9500	.4376-03	.5493-03	.7635-01	.5695	535.2
445	1.0000	477.00	.16462-01	.2079-01	.2079-01	.9500	.7493-03	.9465-03	.1276	1.018	539.3
445	1.0000	478.00	.13644	.1872	.1872	.9500	.6210-02	.8520-02	.8130	5.742	578.8
445	1.0000	479.00	.41087-01	.5223-01	.5223-01	.9500	.1870-02	.2378-02	.3109	2.165	543.4
445	1.0000	481.00	.18961-01	.2396-01	.2396-01	.9500	.8631-03	.1091-02	.1468	1.024	539.6
445	1.0000	482.00	.16478-01	.2082-01	.2082-01	.9500	.7500-03	.9477-03	.1276	1.139	539.6
445	1.0000	483.00	.17981-01	.2273-01	.2273-01	.9500	.8184-03	.1035-02	.1389	1.107	540.0
445	1.0000	484.00	.25213-01	.3227-01	.3227-01	.9500	.1148-02	.1469-02	.1861	1.656	547.5
445	1.0000	485.00	.29174-01	.3746-01	.3746-01	.9500	.1328-02	.1705-02	.2129	1.631	549.3
445	1.0000	486.00	.11324	.1519	.1519	.9500	.5154-02	.6915-02	.7183	4.935	570.3
445	1.0000	487.00	.40151-01	.5126-01	.5126-01	.9500	.1828-02	.2333-02	.2992	2.220	545.9
445	1.0000	488.00	.27642-01	.3510-01	.3510-01	.9500	.1258-02	.1598-02	.2101	1.561	542.7
445	1.0000	489.00	.17446-01	.2205-01	.2205-01	.9500	.7941-03	.1004-02	.1350	1.005	539.6
445	1.0000	490.00	.16263-01	.2053-01	.2053-01	.9500	.7402-03	.9346-03	.1263	.9726	539.1
445	1.0000	491.00	.17410-01	.2209-01	.2209-01	.9500	.7925-03	.1005-02	.1328	1.021	542.1

IH102 60-0TS WING MISC. (R4WP51)

WING MISC.

PARAMETRIC DATA

MACH = 4.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPOBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLJGS /FT3	MU LB-SEC /FT2
448	3.517	4.020	4.970	.3465-02	57.97	709.7	167.7	.3718	4.206	2552.	.5984-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
448	.455!-01	.1238-01

TEST DAT/

RUN NUMBER	DUMMY	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
448	1.0000	476.00	.41925-02	.5231-02	.5231-02	.9500	.1908-03	.2381-03	.3409-01	.2548	531.0
448	1.0000	477.00	.90819-02	.1141-01	.1141-01	.9500	.4133-03	.5192-03	.7191-01	.5746	535.7
448	1.0000	478.00	.13432	.1827	.1827	.9500	.6113-02	.8315-02	.8190	5.793	575.7
448	1.0000	479.00	.31129-01	.3930-01	.3930-01	.9500	.1417-02	.1788-02	.2419	1.688	538.9
448	1.0000	481.00	.10963-01	.1379-01	.1379-01	.9500	.4989-03	.6277-03	.8628-01	.6029	536.7
448	1.0000	482.00	.23183-02	.2910-02	.2910-02	.9500	.1055-03	.1324-03	.1841-01	.1648	535.2
448	1.0000	483.00	.31852-02	.4000-02	.4000-02	.9500	.1450-03	.1821-03	.2524-01	.2017	535.5
448	1.0000	484.00	.51930-02	.6538-02	.6538-02	.9500	.2363-03	.2975-03	.4078-01	.3646	537.1
448	1.0000	485.00	.67541-02	.8540-02	.8540-02	.9500	.3074-03	.3886-03	.5216-01	.4015	540.0
448	1.0000	486.00	.11232	.1495	.1495	.9500	.5112-02	.6804-02	.7291	5.017	567.0
448	1.0000	487.00	.34103-01	.4335-01	.4335-01	.9500	.1552-02	.1973-02	.2581	1.917	543.4
448	1.0000	488.00	.21270-01	.2691-01	.2691-01	.9500	.9680-03	.1225-02	.1640	1.220	540.3
448	1.0000	489.00	.13013-01	.1640-01	.1640-01	.9500	.5922-03	.7463-03	.1018	.7586	537.7
448	1.0000	490.00	.50477-02	.6331-02	.6331-02	.9500	.2297-03	.2881-03	.4022-01	.3105	534.6
448	1.0000	491.00	.10657-01	.1349-01	.1349-01	.9500	.4850-03	.6139-03	.8197-01	.6308	540.7

IH102 60-0 WING UPPER SURFACE (R4WR21)

WING UPPER SURF

PARAMETRIC DATA

MACH = 3.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPOBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
547	3.518	3.010	-40.01	.0000	33.91	708.7	252.0	.9094	5.768	2342.	.9740-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
547	.5324-01	.9699-02

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
547	.40000	.50000-01	246.00	.5215-01	.7197-01	.7197-01	.9500	.2777-02	.3832-02	.3573	3.257	580.0
547	.40000	.20000	247.00	.2284	.3339	.3339	.9500	.1216-01	.1778-01	1.364	10.57	596.5
547	.40000	.60000	249.00	.1080	.1543	.1543	.9500	.5750-02	.8215-02	.6790	7.389	590.6
547	.40000	.75000	250.00	.7099-01	.9355-01	.9355-01	.9500	.3780-02	.4981-02	.5555	4.088	561.7
547	.40000	.80000	251.00	.1172	.1574	.1574	.9500	.6238-02	.8379-02	.8651	6.560	570.0
547	.40000	.95000	252.00	.1859	.2590	.2590	.9500	.9898-02	.1379-01	1.242	10.85	583.2
547	.60000	.25000-01	253.00	.7574-01	.1539	.1539	.9500	.4033-02	.8197-02	.2813	6.644	638.9
547	.60000	.50000-01	254.00	.1259	.2616	.2616	.9500	.6704-02	.1393-01	.4579	8.843	640.4
547	.60000	.10000+00	255.00	.3107	.5521	.5521	.9500	.1654-01	.2939-01	1.340	13.64	627.6
547	.60000	.20000	256.00	.2789	.4301	.4301	.9500	.1485-01	.2290-01	1.497	12.92	607.9
547	.60000	.40000	257.00	.2288	.3319	.3319	.9500	.1218-01	.1767-01	1.390	11.18	594.6
547	.60000	.60000	258.00	.1972	.2847	.2847	.9500	.1050-01	.1516-01	1.211	10.97	593.3
547	.60000	.75000	259.00	.1965	.3092	.3092	.9500	.1046-01	.1646-01	1.017	8.767	611.4
547	.60000	.85000	260.00	.2490	.3576	.3576	.9500	.1326-01	.1904-01	1.547	12.47	592.0
547	.60000	.95000	261.00	.1846	.2715	.2715	.9500	.9828-02	.1446-01	1.088	11.80	598.0
547	.70000	.20000	262.00	.3230	.5102	.5102	.9500	.1720-01	.2717-01	1.661	14.91	612.1
547	.70000	.40000	263.00	.2632	.3936	.3936	.9500	.1401-01	.2096-01	1.498	12.97	601.8
547	.70000	.90000	264.00	.2011	.2811	.2811	.9500	.1071-01	.1497-01	1.334	10.40	584.1
547	.75000	.10000+00	265.00	.3752	.6493	.6493	.9500	.1998-01	.3457-01	1.677	15.61	624.7
547	.75000	.20000	266.00	.3592	.5962	.5962	.9500	.1913-01	.3174-01	1.706	15.91	619.5
547	.75000	.40000	267.00	.3179	.4792	.4792	.9500	.1693-01	.2551-01	1.782	15.42	603.4

IH102 60-0 WING UPPER SURFACE (R4WR21)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
547	.75000	.60000	268.00	.2280	.3426	.3426	.9500	.1214-01	.1824-01	1.286	12.65	602.7
547	.75000	.80000	269.00	.2805	.4181	.4181	.9500	.1493-01	.2226-01	1.607	14.50	601.0
547	.75000	.90000	270.00	.2910	.4268	.4268	.9500	.1549-01	.2273-01	1.726	13.37	597.3
547	.80000	.90000	271.00	.3262	.4800	.4800	.9500	.1737-01	.2555-01	1.921	14.37	598.1
547	.90000	.20000	272.00	.3825	.6288	.6288	.9500	.2037-01	.3348-01	1.842	15.83	618.2
547	.90000	.40000	273.00	.3090	.4699	.4699	.9500	.1645-01	.2502-01	1.703	14.72	605.2
547	.90000	.60000	274.00	.3060	.4548	.4548	.9500	.1629-01	.2422-01	1.764	12.74	600.4
547	.95000	.20000	275.00	.2418	.3627	.3627	.9500	.1288-01	.1931-01	1.369	12.88	602.3
547	.95000	.40000	276.00	.2476	.3483	.3483	.9500	.1319-01	.1855-01	1.617	11.76	586.1
547	.95000	.50000	277.00	.2024	.2881	.2881	.9500	.1078-01	.1534-01	1.284	11.18	589.6
547	.95000	.70000	278.00	.2831	.4059	.4059	.9500	.1507-01	.2161-01	1.765	13.72	591.5
547	.95000	.80000	279.00	.2784	.4001	.4001	.9500	.1483-01	.2130-01	1.728	12.96	592.1
547	.95000	.90000	280.00	.2558	.3649	.3649	.9500	.1362-01	.1943-01	1.614	12.55	590.1

IH102 60-0 WING UPPER SURFACE (R4WR22)

WING UPPER SURF

PARAMETRIC DATA

MACH = 3.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
529	3.505	3.010	-14.45	-.4991-02	33.85	709.7	252.4	.9077	5.757	2344.	.9707-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
529	.5321-01	.9717-02

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
529	.40000	.50000-01	246.00	.3844-01	.5225-01	.5225-01	.9500	.2045-02	.2780-02	.2746	2.509	575.4
529	.40000	.20000	247.00	.7206-01	.1009	.1009	.9500	.3834-02	.5369-02	.4760	3.710	585.5
529	.40000	.60000	249.00	.2689-01	.3470-01	.3470-01	.9500	.1431-02	.1847-02	.2255	2.502	552.1
529	.40000	.75000	250.00	.1988-01	.2473-01	.2473-01	.9500	.1058-02	.1316-02	.1914	1.432	528.7
529	.40000	.80000	251.00	.2920-01	.3685-01	.3685-01	.9500	.1554-02	.1961-02	.2658	2.047	538.6
529	.40000	.95000	252.00	.4769-01	.6295-01	.6295-01	.9500	.2538-02	.3349-02	.3715	3.279	563.3
529	.60000	.25000-01	253.00	.2702-01	.6193-01	.6193-01	.9500	.1438-02	.3295-02	.9052-01	2.130	646.7
529	.60000	.50000-01	254.00	.3764-01	.8155-01	.8155-01	.9500	.2003-02	.4339-02	.1320	2.545	643.8
529	.60000	.10000+00	255.00	.1047	.1842	.1842	.9500	.5573-02	.9800-02	.4585	4.667	627.4
529	.60000	.20000	256.00	.1037	.1510	.1510	.9500	.5520-02	.8036-02	.6255	5.430	596.3
529	.60000	.40000	257.00	.5422-01	.7147-01	.7147-01	.9500	.2885-02	.3803-02	.4241	3.466	562.7
529	.60000	.60000	258.00	.4387-01	.5677-01	.5677-01	.9500	.2334-02	.3021-02	.3642	3.365	553.6
529	.60000	.75000	259.00	.5192-01	.6867-01	.6867-01	.9500	.2763-02	.3654-02	.4020	3.546	564.2
529	.60000	.85000	260.00	.6842-01	.8886-01	.8886-01	.9500	.3640-02	.4728-02	.5616	4.607	555.4
529	.60000	.95000	261.00	.5201-01	.6853-01	.6853-01	.9500	.2767-02	.3646-02	.4072	4.494	562.5
529	.70000	.20000	262.00	.1183	.1769	.1769	.9500	.6296-02	.9413-02	.6747	6.084	602.5
529	.70000	.40000	263.00	.9406-01	.1281	.1281	.9500	.5005-02	.6816-02	.6683	5.861	576.1
529	.70000	.90000	264.00	.5676-01	.7349-01	.7349-01	.9500	.3020-02	.3910-02	.4707	3.727	553.8
529	.75000	.10000+00	265.00	.1701	.3049	.3049	.9500	.9049-02	.1623-01	.7260	6.741	629.4
529	.75000	.20000	266.00	.1601	.2526	.2526	.9500	.8520-02	.1344-01	.8256	7.728	612.8
529	.75000	.40000	267.00	.1260	.1744	.1744	.9500	.6705-02	.9281-02	.8573	7.496	581.8

IH102 60-0 WING UPPER SURFACE (R4WR22)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
529	.75000	.60000	268.00	.8093-01	.1088	.1088	.9500	.4306-02	.5788-02	.5969	5.963	571.1
529	.75000	.80000	269.00	.8366-01	.1126	.1126	.9500	.4451-02	.5992-02	.6143	5.624	571.7
529	.75000	.90000	270.00	.9389-01	.1258	.1258	.9500	.4995-02	.6695-02	.6983	5.485	569.9
529	.80000	.90000	271.00	.9679-01	.1297	.1297	.9500	.5150-02	.6901-02	.7203	5.463	569.8
529	.90000	.20000	272.00	.1577	.2487	.2487	.9500	.8388-02	.1323-01	.8129	7.001	612.8
529	.90000	.40000	273.00	.1177	.1647	.1647	.9500	.6264-02	.8762-02	.7797	6.807	585.2
529	.90000	.60000	274.00	.9669-01	.1302	.1302	.9500	.5145-02	.6930-02	.7086	5.189	571.9
529	.95000	.20000	275.00	.1093	.1606	.1606	.9500	.5818-02	.8543-02	.6470	6.099	598.5
529	.95000	.40000	276.00	.1012	.1373	.1373	.9500	.5387-02	.7305-02	.7280	5.324	574.5
529	.95000	.50000	277.00	.7217-01	.9657-01	.9657-01	.9500	.3840-02	.5138-02	.5394	4.747	569.2
529	.95000	.70000	278.00	.1081	.1471	.1471	.9500	.5751-02	.7828-02	.7690	6.022	575.9
529	.95000	.80000	279.00	.9705-01	.1313	.1313	.9500	.5164-02	.6988-02	.7019	5.312	573.8
529	.95000	.90000	280.00	.8647-01	.1160	.1160	.9500	.4601-02	.6171-02	.6416	5.038	570.2

WING UPPER SURF

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
526	3.506	3.010	.5162-02	-14.47	33.86	709.7	252.4	.9082	5.760	2344.	.9713-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
526	.5322-01	.9714-02

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
526	.40000	.50000-01	246.00	.1348-01	.1687-01	.1687-01	.9500	.7175-03	.8978-03	.1268	1.184	532.9
526	.40000	.20000	247.00	.2957-01	.3738-01	.3738-01	.9500	.1574-02	.1990-02	.2669	2.128	540.0
526	.40000	.60000	249.00	.1466-01	.1825-01	.1825-01	.9500	.7801-03	.9712-03	.1407	1.579	529.3
526	.40000	.75000	250.00	.9556-02	.1171-01	.1171-01	.9500	.5086-03	.6233-03	.9808-01	.7385	516.8
526	.40000	.80000	251.00	.9020-02	.1104-01	.1104-01	.9500	.4800-03	.5876-03	.9302-01	.7249	515.9
526	.40000	.95000	252.00	.3845-01	.4850-01	.4850-01	.9500	.2046-02	.2582-02	.3502	3.129	538.5
526	.60000	.25000-01	253.00	.2073-01	.2943-01	.2943-01	.9500	.1103-02	.1566-02	.1324	3.203	589.7
526	.60000	.50000-01	254.00	.2279-01	.3126-01	.3126-01	.9500	.1213-02	.1664-02	.1589	3.162	578.7
526	.60000	.10000+00	255.00	.4189-01	.5484-01	.5484-01	.9500	.2230-02	.2919-02	.3350	3.526	559.4
526	.60000	.20000	256.00	.2208-01	.2776-01	.2776-01	.9500	.1175-02	.1477-02	.2039	1.825	536.2
526	.60000	.40000	257.00	.1864-01	.2316-01	.2316-01	.9500	.9923-03	.1233-02	.1804	1.501	527.8
526	.60000	.60000	258.00	.2061-01	.2556-01	.2556-01	.9500	.1097-02	.1360-02	.2008	1.880	526.6
526	.60000	.75000	259.00	.1739-01	.2140-01	.2140-01	.9500	.9258-03	.1139-02	.1757	1.585	519.9
526	.60000	.85000	260.00	.3560-01	.4447-01	.4447-01	.9500	.1895-02	.2367-02	.3368	2.797	531.9
526	.60000	.95000	261.00	.2630-01	.3314-01	.3314-01	.9500	.1400-02	.1764-02	.2405	2.688	537.8
526	.70000	.20000	262.00	.2635-01	.3303-01	.3303-01	.9500	.1403-02	.1758-02	.2462	2.297	534.1
526	.70000	.40000	263.00	.1344-01	.1667-01	.1667-01	.9500	.7151-03	.8871-03	.1309	1.177	526.6
526	.70000	.90000	264.00	.3357-01	.4202-01	.4202-01	.9500	.1787-02	.2236-02	.3152	2.522	533.2
526	.75000	.10000+00	265.00	.6772-01	.8833-01	.8833-01	.9500	.3604-02	.4701-02	.5482	5.274	557.6
526	.75000	.20000	266.00	.3805-01	.4798-01	.4798-01	.9500	.2025-02	.2553-02	.3472	3.373	538.2
526	.75000	.40000	267.00	.1821-01	.2255-01	.2255-01	.9500	.9690-03	.1200-02	.1784	1.605	525.6

IH102 60-0 WING UPPER SURFACE (R4WR23)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
526	.75000	.60000	268.00	.1118-01	.1383-01	.1383-01	.9500	.5952-03	.7363-03	.1102	1.127	524.5
526	.75000	.80000	269.00	.1459-01	.1826-01	.1826-01	.9500	.7767-03	.9719-03	.1373	1.281	533.0
526	.75000	.90000	270.00	.3738-01	.4727-01	.4727-01	.9500	.1989-02	.2516-02	.3374	2.690	540.1
526	.80000	.90000	271.00	.2632-01	.3318-01	.3319-01	.9500	.1401-02	.1766-02	.2400	1.849	538.3
526	.90000	.20000	272.00	.4826-01	.6157-01	.6157-01	.9500	.2569-02	.3277-02	.4218	3.756	545.5
526	.90000	.40000	273.00	.2246-01	.2800-01	.2800-01	.9500	.1195-02	.1490-02	.2143	1.923	530.4
526	.90000	.60000	274.00	.1154-01	.1428-01	.1428-01	.9500	.6143-03	.7601-03	.1137	.8526	524.6
526	.95000	.20000	275.00	.3922-01	.4997-01	.4997-01	.9500	.2087-02	.2659-02	.3444	3.335	544.7
526	.95000	.40000	276.00	.2840-01	.3555-01	.3555-01	.9500	.1511-02	.1892-02	.2664	1.989	533.4
526	.95000	.50000	277.00	.1589-01	.1974-01	.1974-01	.9500	.8457-03	.1051-02	.1538	1.382	527.8
526	.95000	.70000	278.00	.1445-01	.1793-01	.1793-01	.9500	.7690-03	.9542-03	.1406	1.129	526.8
526	.95000	.80000	279.00	.1775-01	.2215-01	.2215-01	.9500	.9447-03	.1179-02	.1688	1.306	531.0
526	.95000	.90000	280.00	.1889-01	.2369-01	.2369-01	.9500	.1005-02	.1261-02	.1761	1.408	534.5

WING UPPER SURF

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
532	1.053	3.010	.2400-01	.1676-04	9.877	695.7	247.4	.2649	1.680	2321.	.2890-02	.1981-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
532	.2864-01	.1776-01

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
532	.40000	.50000-01	246.00	.3612-01	.4580-01	.4580-01	.9500	.1035-02	.1312-02	.1703	1.591	531.1
532	.40000	.20000	247.00	.1825-01	.2295-01	.2295-01	.9500	.5228-03	.6574-03	.8883-01	.7134	525.8
532	.40000	.75000	250.00	.1954-02	.2373-02	.2373-02	.9500	.5596-04	.6796-04	.1103-01	.8380-01	498.7
532	.40000	.80000	251.00	.5726-02	.6943-02	.6943-02	.9500	.1640-03	.1989-03	.3254-01	.2561	497.2
532	.40000	.95000	252.00	.3420-01	.4242-01	.4242-01	.9500	.9795-03	.1215-02	.1757	1.588	516.3
532	.60000	.25000-01	253.00	.3505-01	.5004-01	.5004-01	.9500	.1004-02	.1433-02	.1166	2.836	579.5
532	.60000	.50000-01	254.00	.4051-01	.5572-01	.5572-01	.9500	.1160-02	.1596-02	.1479	2.959	568.2
532	.60000	.10000+00	255.00	.6808-01	.8911-01	.8911-01	.9500	.1950-02	.2552-02	.2875	3.043	548.3
532	.60000	.20000	256.00	.3173-01	.3988-01	.3988-01	.9500	.9088-03	.1142-02	.1546	1.391	525.5
532	.60000	.40000	257.00	.7437-02	.9146-02	.9146-02	.9500	.2130-03	.2620-03	.3965-01	.3329	509.5
532	.60000	.60000	258.00	.4782-02	.5810-02	.5810-02	.9500	.1370-03	.1664-03	.2691-01	.2556	499.2
532	.70000	.20000	262.00	.4588-01	.5778-01	.5778-01	.9500	.1314-02	.1655-02	.2219	2.078	526.8
532	.70000	.40000	263.00	.1563-01	.1931-01	.1931-01	.9500	.4477-03	.5531-03	.8173-01	.7399	513.1
532	.70000	.90000	264.00	.8925-02	.1101-01	.1101-01	.9500	.2556-03	.3153-03	.4699-01	.3800	511.9
532	.75000	.10000+00	265.00	.1167	.1533	.1533	.9500	.3342-02	.4390-02	.4870	4.704	549.9
532	.75000	.20000	266.00	.6281-01	.7957-01	.7957-01	.9500	.1799-02	.2279-02	.2972	2.898	530.5
532	.75000	.40000	267.00	.2503-01	.3100-01	.3100-01	.9500	.7168-03	.8878-03	.1295	1.171	515.1
532	.75000	.60000	268.00	.1322-01	.1629-01	.1629-01	.9500	.3787-03	.4666-03	.6999-01	.7208	510.9
532	.75000	.80000	269.00	.8501-02	.1048-01	.1048-01	.9500	.2435-03	.3002-03	.4485-01	.4233	511.5
532	.75000	.90000	270.00	.1357-01	.1681-01	.1681-01	.9500	.3887-03	.4816-03	.7011-01	.5661	515.3
532	.80000	.90000	271.00	.1568-01	.1950-01	.1950-01	.9500	.4491-03	.5584-03	.7985-01	.6216	517.9

IH102 60-0 WING UPPER SURFACE (R4WR24)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
532	.90000	.20000	272.00	.8406-01	.1079	.1079	.9500	.2408-02	.3091-02	.3786	3.383	538.4
532	.90000	.40000	273.00	.3759-01	.4724-01	.4724-01	.9500	.1077-02	.1353-02	.1834	1.650	525.3
532	.90000	.60000	274.00	.2055-01	.2566-01	.2566-01	.9500	.5885-03	.7349-03	.1027	.7720	521.1
532	.95000	.20000	275.00	.7614-01	.9828-01	.9828-01	.9500	.2181-02	.2815-02	.3368	3.267	541.3
532	.95000	.40000	276.00	.6483-01	.8227-01	.8227-01	.9500	.1857-02	.2356-02	.3048	2.278	531.5
532	.95000	.50000	277.00	.3353-01	.4219-01	.4219-01	.9500	.9604-03	.1208-02	.1627	1.463	526.2
532	.95000	.70000	278.00	.2585-01	.3245-01	.3245-0	.9500	.7403-03	.9296-03	.1264	1.016	524.9
532	.95000	.80000	279.00	.2385-01	.3007-01	.3007-0	.9500	.6832-03	.8612-03	.1150	.8908	527.4
532	.95000	.90000	280.00	.2098-01	.2652-01	.2652-0	.9500	.6011-03	.7595-03	.1002	.8034	529.0

IH102 60-0 WING UPPER SURFACE (R4WR24)

WING UPPER SURF

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
523	3.503	3.010	.4800-01	.1005-03	33.83	709.7	252.4	.9074	5.755	2344.	.9704-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
523	.5320-01	.9719-02

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
523	.40000	.50000-01	246.00	.1969-01	.2565-01	.2565-01	.9500	.1048-02	.1365-02	.1600	1.475	556.9
523	.40000	.20000	247.00	.2054-01	.2647-01	.2647-01	.9500	.1093-02	.1408-02	.1729	1.370	551.4
523	.40000	.60000	249.00	.1111-01	.1386-01	.1386-01	.9500	.5908-03	.7371-03	.1056	1.185	530.9
523	.40000	.75000	250.00	.1089-01	.1333-01	.1333-01	.9500	.5792-03	.7093-03	.1120	.8434	516.3
523	.40000	.80000	251.00	.1672-01	.2048-01	.2048-01	.9500	.8893-03	.1089-02	.1718	1.338	516.5
523	.40000	.95000	252.00	.2653-01	.3330-01	.3330-01	.9500	.1411-02	.1771-02	.2465	2.207	535.0
523	.60000	.25000-01	253.00	.1477-01	.2325-01	.2325-01	.9500	.7855-03	.1237-02	.7636-01	1.827	612.5
523	.60000	.50000-01	254.00	.1703-01	.2549-01	.2549-01	.9500	.9060-03	.1356-02	.9690-01	1.906	602.7
523	.60000	.10000+00	255.00	.4363-01	.6157-01	.6157-01	.9500	.2321-02	.3275-02	.2828	2.935	587.8
523	.60000	.20000	256.00	.4341-01	.5754-01	.5754-01	.9500	.2309-02	.3061-02	.3338	2.944	565.1
523	.60000	.40000	257.00	.2234-01	.2807-01	.2807-01	.9500	.1189-02	.1493-02	.2067	1.712	535.8
523	.60000	.60000	258.00	.1698-01	.2098-01	.2098-01	.9500	.9034-03	.1116-02	.1681	1.577	523.6
523	.60000	.75000	259.00	.1401-01	.1703-01	.1703-01	.9500	.7452-03	.9061-03	.1489	1.350	509.9
523	.60000	.85000	260.00	.2832-01	.3499-01	.3499-01	.9500	.1507-02	.1861-02	.2804	2.338	523.5
523	.60000	.95000	261.00	.2123-01	.2640-01	.2640-01	.9500	.1129-02	.1404-02	.2047	2.298	528.4
523	.70000	.20000	262.00	.4981-01	.6475-01	.6475-01	.9500	.2650-02	.3445-02	.4074	3.759	555.9
523	.70000	.40000	263.00	.4096-01	.5202-01	.5202-01	.9500	.2179-02	.2767-02	.3636	3.242	542.8
523	.70000	.90000	264.00	.3552-01	.4459-01	.4459-01	.9500	.1890-02	.2372-02	.3297	2.635	535.2
523	.75000	.10000+00	265.00	.8859-01	.1241	.1241	.9500	.4713-02	.6604-02	.5838	5.538	585.8
523	.75000	.20000	266.00	.6884-01	.9065-01	.9065-01	.9500	.3662-02	.4823-02	.5400	5.183	562.2
523	.75000	.40000	267.00	.5024-01	.6402-01	.6402-01	.9500	.2673-02	.3406-02	.4407	3.926	544.8

IH102 60-0 WING UPPER SURFACE (R4WR24)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
523	.75000	.60000	268.00	.3501-01	.4434-01	.4434-01	.9500	.1862-02	.2359-02	.3140	3.185	541.1
523	.75000	.80000	269.00	.4141-01	.5286-01	.5286-01	.9500	.2203-02	.2812-02	.3608	3.346	545.9
523	.75000	.90000	270.00	.5034-01	.6423-01	.6423-01	.9500	.2678-02	.3417-02	.4393	3.492	545.6
523	.80000	.90000	271.00	.5176-01	.6638-01	.6638-01	.9500	.2753-02	.3531-02	.4436	3.400	548.6
523	.90000	.20000	272.00	.7183-01	.9559-01	.9559-01	.9500	.3821-02	.5085-02	.5454	4.804	566.9
523	.90000	.40000	273.00	.4155-01	.5272-01	.5272-01	.9500	.2210-02	.2805-02	.3702	3.302	542.2
523	.90000	.60000	274.00	.2710-01	.3383-01	.3383-01	.9500	.1442-02	.1799-02	.2575	1.925	531.1
523	.95000	.20000	275.00	.6583-01	.8753-01	.8753-01	.9500	.3502-02	.4656-02	.5012	4.801	566.5
523	.95000	.40000	276.00	.5652-01	.7257-01	.7257-01	.9500	.3007-02	.3860-02	.4823	3.572	549.2
523	.95000	.50000	277.00	.3303-01	.4169-01	.4169-01	.9500	.1757-02	.2218-02	.3002	2.682	538.9
523	.95000	.70000	278.00	.3088-01	.3888-01	.3888-01	.9500	.1643-02	.2068-02	.2835	2.264	537.1
523	.95000	.80000	279.00	.3104-01	.3925-01	.3925-01	.9500	.1651-02	.2088-02	.2801	2.156	540.0
523	.95000	.90000	280.00	.2909-01	.3690-01	.3690-01	.9500	.1547-02	.1963-02	.2593	2.065	542.1

IH102 60-0 WING UPPER SURFACE (R4WR25)

WING UPPER SURF

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = 0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
554	2.005	4.020	-40.03	-.2446-02	32.98	708.7	167.5	.2115	2.393	2550.	.3409-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
554	.3432-01	.1640-01

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
554	.40000	.50000-01	246.00	.1186	.1518	.1518	.9500	.4069-02	.5209-02	.6584	6.103	546.9
554	.40000	.20000	247.00	.2655	.3463	.3463	.9500	.9111-02	.1188-01	1.383	10.93	556.9
554	.40000	.40000	248.00	.1550-03	.2305-03	.2305-03	.9500	.5321-05	.7909-05	.5762-03	.5200-02	600.4
554	.40000	.60000	249.00	.1276	.1648	.1648	.9500	.4379-02	.5654-02	.6877	7.631	551.6
554	.40000	.75000	250.00	.5428-01	.6835-01	.6835-01	.9500	.1863-02	.2346-02	.3206	2.390	536.6
554	.40000	.80000	251.00	.1052	.1331	.1331	.9500	.3609-02	.4568-02	.6093	4.690	539.9
554	.40000	.95000	252.00	.1703	.2167	.2167	.9500	.5844-02	.7437-02	.9667	8.618	543.3
554	.60000	.25000-01	253.00	.1483	.2207	.2207	.9500	.5088-02	.7575-02	.5493	13.22	600.7
554	.60000	.50000-01	254.00	.2088	.3080	.3080	.9500	.7166-02	.1057-01	.7887	15.54	598.6
554	.60000	.10000+00	255.00	.3615	.5021	.5021	.9500	.1240-01	.1723-01	1.569	16.33	582.2
554	.60000	.20000	256.00	.2990	.3968	.3968	.9500	.1026-01	.1362-01	1.476	13.01	564.9
554	.60000	.40000	257.00	.2255	.2918	.2918	.9500	.7737-02	.1001-01	1.206	9.905	552.8
554	.60000	.60000	258.00	.1940	.2504	.2504	.9500	.6657-02	.8592-02	1.047	9.683	551.4
554	.60000	.75000	259.00	.2528	.3391	.3391	.9500	.8675-02	.1164-01	1.207	10.62	569.5
554	.60000	.85000	260.00	.2183	.2816	.2816	.9500	.7491-02	.9664-02	1.181	9.709	551.0
554	.60000	.95000	261.00	.2048	.2689	.2689	.9500	.7028-02	.9229-02	1.044	11.54	560.1
554	.70000	.20000	262.00	.3343	.4464	.4464	.9500	.1147-01	.1532-01	1.619	14.85	567.6
554	.70000	.40000	263.00	.2540	.3328	.3328	.9500	.8717-02	.1142-01	1.305	11.54	559.0
554	.70000	.90000	264.00	.1766	.2299	.2299	.9500	.6059-02	.7889-02	.9254	7.319	555.9
554	.75000	.10000+00	265.00	.4148	.5771	.5771	.9500	.1424-01	.1980-01	1.794	17.04	582.7
554	.75000	.20000	266.00	.3584	.4891	.4891	.9500	.1230-01	.1679-01	1.631	15.54	576.1

IH102 60-0 WING UPPER SURFACE (R4WR25)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
554	.75000	.40000	267.00	.2825	.3726	.3726	.9500	.9693-02	.1279-01	1.419	12.53	562.2
554	.75000	.60000	268.00	.2221	.2924	.2924	.9500	.7621-02	.1003-01	1.123	11.27	561.3
554	.75000	.80000	269.00	.2498	.3300	.3300	.9500	.8573-02	.1133-01	1.250	11.49	562.9
554	.75000	.90000	270.00	.2592	.3434	.3434	.9500	.8895-02	.1178-01	1.286	10.13	564.1
554	.80000	.90000	271.00	.2451	.3249	.3249	.9500	.8410-02	.1115-01	1.213	9.227	564.4
554	.90000	.20000	272.00	.3212	.4426	.4426	.9500	.1102-01	.1519-01	1.424	12.46	579.5
554	.90000	.40000	273.00	.2284	.3040	.3040	.9500	.7839-02	.1043-01	1.117	9.841	566.2
554	.90000	.60000	274.00	.2110	.2789	.2789	.9500	.7242-02	.9571-02	1.054	7.755	563.1
554	.95000	.20000	275.00	.1466	.1959	.1959	.9500	.5031-02	.6723-02	.7084	6.780	567.9
554	.95000	.40000	276.00	.1235	.1605	.1605	.9500	.4238-02	.5507-02	.6514	4.811	554.9
554	.95000	.50000	277.00	.1146	.1499	.1499	.9500	.3932-02	.5143-02	.5920	5.238	558.1
554	.95000	.70000	278.00	.1939	.2540	.2540	.9500	.6655-02	.8716-02	.9974	7.877	558.8
554	.95000	.80000	279.00	.1784	.2342	.2342	.9500	.6124-02	.8039-02	.9108	6.941	559.9
554	.95000	.90000	280.00	.1578	.2068	.2068	.9500	.5414-02	.7097-02	.8089	6.387	559.3

IH102 60-0 WING UPPER SURFACE (R4WR25)

WING UPPER SURF

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
551	3.510	4.020	-39.97	.0000	57.86	709.7	167.7	.3710	4.197	2552.	.5972-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
551	.4546-01	.1240-01

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
551	.40000	.50000-01	246.00	.9727-01	.1298	.1298	.9500	.4422-02	.5902-02	.6258	5.739	568.2
551	.40000	.20000	247.00	.2600	.3594	.3594	.9500	.1182-01	.1634-01	1.517	11.85	581.3
551	.40000	.60000	249.00	.1045	.1407	.1407	.9500	.4750-02	.6395-02	.6552	7.198	571.7
551	.40000	.75000	250.00	.5825-01	.7468-01	.7468-01	.9500	.2648-02	.3395-02	.4269	3.163	548.4
551	.40000	.80000	251.00	.9624-01	.1242	.1242	.9500	.4376-02	.5647-02	.6895	5.275	552.1
551	.40000	.95000	252.00	.1785	.2360	.2360	.9500	.8113-02	.1073-01	1.181	10.41	564.2
551	.60000	.25000-01	253.00	.1154	.1987	.1987	.9500	.5245-02	.9036-02	.4437	10.55	625.1
551	.60000	.50000-01	254.00	.1738	.2990	.2990	.9500	.7902-02	.1359-01	.6696	13.03	624.9
551	.60000	.10000+00	255.00	.3541	.5548	.5548	.9500	.1610-01	.2522-01	1.579	16.20	611.6
551	.60000	.20000	256.00	.3101	.4473	.4473	.9500	.1410-01	.2034-01	1.630	14.17	594.0
551	.60000	.40000	257.00	.2409	.3305	.3305	.9500	.1095-01	.1503-01	1.433	11.62	578.8
551	.60000	.60000	258.00	.1971	.2681	.2681	.9500	.8963-02	.1219-01	1.202	10.98	575.6
551	.60000	.75000	259.00	.2136	.3019	.3019	.9500	.9713-02	.1372-01	1.179	10.28	588.3
551	.60000	.85000	260.00	.2342	.3147	.3147	.9500	.1065-01	.1431-01	1.476	12.02	571.0
551	.60000	.95000	261.00	.2089	.2901	.2901	.9500	.9499-02	.1319-01	1.204	13.16	582.9
551	.70000	.20000	262.00	.3477	.5093	.5093	.9500	.1581-01	.2315-01	1.768	15.98	597.8
551	.70000	.40000	263.00	.2679	.3758	.3758	.9500	.1218-01	.1709-01	1.505	13.13	586.1
551	.70000	.90000	264.00	.1814	.2425	.2425	.9500	.8248-02	.1103-01	1.162	9.133	566.8
551	.75000	.10000+00	265.00	.4112	.6413	.6413	.9500	.1870-01	.2916-01	1.849	17.33	610.8
551	.75000	.20000	266.00	.3724	.5620	.5620	.9500	.1693-01	.2555-01	1.781	16.74	604.5
551	.75000	.40000	267.00	.3146	.4436	.4436	.9500	.1430-01	.2017-01	1.745	15.22	587.7

IH102 60-0 WING UPPER SURFACE (R4WR25)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
551	.75000	.60000	268.00	.2497	.3496	.3496	.9500	.1135-01	.1589-01	1.409	13.98	585.5
551	.75000	.80000	269.00	.2537	.3518	.3518	.9500	.1153-01	.1600-01	1.466	13.35	582.5
551	.75000	.90000	270.00	.2728	.3756	.3756	.9500	.1240-01	.1708-01	1.608	12.56	580.0
551	.80000	.90000	271.00	.2748	.3783	.3783	.9500	.1249-01	.1720-01	1.620	12.22	580.0
551	.90000	.20000	272.00	.3303	.4893	.4893	.9500	.1502-01	.2224-01	1.641	14.22	600.4
551	.90000	.40000	273.00	.2488	.3492	.3492	.9500	.1131-01	.1588-01	1.395	12.17	586.3
551	.90000	.60000	274.00	.2298	.3166	.3166	.9500	.1045-01	.1439-01	1.353	9.864	580.2
551	.95000	.20000	275.00	.1747	.2432	.2432	.9500	.7942-02	.1106-01	1.000	9.499	583.7
551	.95000	.40000	276.00	.1465	.1963	.1963	.9500	.6660-02	.8923-02	.9321	6.833	569.7
551	.95000	.50000	277.00	.1298	.1756	.1756	.9500	.5903-02	.7982-02	.8039	7.059	573.5
551	.95000	.70000	278.00	.2057	.2782	.2782	.9500	.9352-02	.1265-01	1.273	9.977	573.6
551	.95000	.80000	279.00	.2051	.2787	.2787	.9500	.9324-02	.1267-01	1.253	9.475	575.3
551	.95000	.90000	280.00	.1821	.2467	.2467	.9500	.8280-02	.1121-01	1.123	8.801	574.0

IH102 60-0 WING UPPER SURFACE (R4WR27)

WING UPPER SURF

PARAMETRIC DATA

MACH = 4.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
541	3.513	4.020	-14.45	-.9979-02	57.90	709.7	167.7	.3713	4.200	2552.	.5976-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
541	.4548-01	.1239-01

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	QTWDT DEG. R /SEC	TW DEG. R
541	.40000	.50000-01	246.00	.2765-01	.3565-01	.3565-01	.9500	.1258-02	.1621-02	.1989	1.839	551.5
541	.40000	.20000	247.00	.6393-01	.8351-01	.8351-01	.9500	.2908-02	.3798-02	.4400	3.476	558.3
541	.40000	.60000	249.00	.1529-01	.1890-01	.1890-01	.9500	.6952-03	.8598-03	.1288	1.450	524.3
541	.40000	.75000	250.00	.1343-01	.1630-01	.1630-01	.9500	.6106-03	.7414-03	.1228	.9288	508.5
541	.40000	.80000	251.00	.2105-01	.2569-01	.2569-01	.9500	.9574-03	.1168-02	.1881	1.468	513.2
541	.40000	.95000	252.00	.3904-01	.4903-01	.4903-01	.9500	.1775-02	.2230-02	.3092	2.767	535.5
541	.60000	.25000-01	253.00	.3196-01	.5525-01	.5525-01	.9500	.1453-02	.2513-02	.1223	2.909	625.5
541	.60000	.50000-01	254.00	.4408-01	.7330-01	.7330-01	.9500	.2005-02	.3334-02	.1785	3.480	620.6
541	.60000	.10000+00	255.00	.1082	.1597	.1597	.9500	.4921-02	.7264-02	.5414	5.587	599.6
541	.60000	.20000	256.00	.9189-01	.1223	.1223	.9500	.4179-02	.5563-02	.5962	5.252	567.0
541	.60000	.40000	257.00	.5064-01	.6375-01	.6375-01	.9500	.2303-02	.2900-02	.3974	3.290	537.1
541	.60000	.60000	258.00	.4038-01	.5017-01	.5017-01	.9500	.1836-02	.2282-02	.3339	3.125	527.8
541	.60000	.75000	259.00	.5439-01	.6809-01	.6809-01	.9500	.2474-02	.3097-02	.4361	3.908	533.4
541	.60000	.85000	260.00	.6023-01	.7526-01	.7526-01	.9500	.2739-02	.3423-02	.4865	4.039	532.1
541	.60000	.95000	261.00	.4585-01	.5802-01	.5802-01	.9500	.2085-02	.2639-02	.3528	3.937	540.5
541	.70000	.20000	262.00	.1152	.1560	.1560	.9500	.5238-02	.7093-02	.7107	6.499	574.0
541	.70000	.40000	263.00	.8126-01	.1040	.1040	.9500	.3696-02	.4730-02	.5998	5.336	547.4
541	.70000	.90000	264.00	.4302-01	.5409-01	.5409-01	.9500	.1957-02	.2460-02	.3393	2.710	536.3
541	.75000	.10000+00	265.00	.1818	.2742	.2742	.9500	.8268-02	.1247-01	.8702	8.179	604.4
541	.75000	.20000	266.00	.1479	.2050	.2050	.9500	.6725-02	.9323-02	.8561	8.135	582.4
541	.75000	.40000	267.00	.9341-01	.1202	.1202	.9500	.4248-02	.5466-02	.6766	6.010	550.4

IH102 60-0 WING UPPER SURFACE (R4WR27)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
541	.75000	.60000	268.00	.6077-01	.7728-01	.7728-01	.9500	.2764-02	.3515-02	.4592	4.651	543.5
541	.75000	.80000	269.00	.5821-01	.7456-01	.7456-01	.9500	.2648-02	.3391-02	.4285	3.970	547.8
541	.75000	.90000	270.00	.6459-01	.8266-01	.8266-01	.9500	.2938-02	.3759-02	.4769	3.788	547.3
541	.80000	.90000	271.00	.6970-01	.8966-01	.8966-01	.9500	.3170-02	.4078-02	.5052	3.869	550.3
541	.90000	.20000	272.00	.1621	.2310	.2310	.9500	.7374-02	.1051-01	.8774	7.639	590.7
541	.90000	.40000	273.00	.1010	.1331	.1331	.9500	.4591-02	.6054-02	.6743	5.952	562.8
541	.90000	.60000	274.00	.7580-01	.9783-01	.9783-01	.9500	.3448-02	.4449-02	.5434	4.019	552.1
541	.95000	.20000	275.00	.1043	.1426	.1426	.9500	.4743-02	.6488-02	.6257	5.959	577.7
541	.95000	.40000	276.00	.8598-01	.1121	.1121	.9500	.3910-02	.5098-02	.5957	4.394	557.3
541	.95000	.50000	277.00	.5898-01	.7616-01	.7616-01	.9500	.2683-02	.3464-02	.4221	3.745	552.3
541	.95000	.70000	278.00	.8621-01	.1124	.1124	.9500	.3921-02	.5110-02	.5979	4.726	557.2
541	.95000	.80000	279.00	.8031-01	.1049	.1049	.9500	.3653-02	.4769-02	.5536	4.223	558.1
541	.95000	.90000	280.00	.7013-01	.9145-01	.9145-01	.9500	.3190-02	.4159-02	.4855	3.837	557.5

IH102 60-0 WING UPPER SURFACE (R4WR28)

WING UPPER SURF

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
538	3.508	4.020	.0000	-14.44	57.94	710.7	167.9	.3716	4.204	2554.	.5973-02	.1351-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
538	.4551-01	.1240-01

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
538	.40000	.95000	252.00	.8298-02	.1028-01	.1028-01	.9500	.3777-03	.4678-03	.6964-01	.6262	526.3
538	.60000	.95000	261.00	.2699-02	.3318-02	.3318-02	.9500	.1228-03	.1510-03	.2338-01	.2636	520.3
538	.70000	.20000	262.00	.6677-02	.8411-02	.8411-02	.9500	.3039-03	.3828-03	.5236-01	.4874	538.4
538	.70000	.90000	264.00	.2980-02	.3678-02	.3678-02	.9500	.1356-03	.1674-03	.2540-01	.2042	523.4
538	.75000	.10000+00	265.00	.4535-01	.5993-01	.5993-01	.9500	.2064-02	.2728-02	.3014	2.889	564.6
538	.75000	.20000	266.00	.2279-01	.2894-01	.2894-01	.9500	.1037-02	.1317-02	.1732	1.678	543.6
538	.75000	.40000	267.00	.5677-02	.7017-02	.7017-02	.9500	.2584-03	.3193-03	.4809-01	.4328	524.6
538	.90000	.20000	272.00	.2921-01	.3724-01	.3724-01	.9500	.1330-02	.1695-02	.2193	1.952	545.8
538	.90000	.40000	273.00	.1154-01	.1441-01	.1441-01	.9500	.5251-03	.6560-03	.9353-01	.8383	532.6
538	.95000	.20000	275.00	.2530-01	.3218-01	.3218-01	.9500	.1151-02	.1465-02	.1913	1.852	544.5
538	.95000	.40000	276.00	.1784-01	.2238-01	.2238-01	.9500	.8117-03	.1019-02	.1420	1.059	535.7
538	.95000	.50000	277.00	.7930-02	.9892-02	.9892-02	.9500	.3609-03	.4502-03	.6468-01	.5800	531.5
538	.95000	.70000	278.00	.3076-02	.3841-02	.3841-02	.9500	.1400-03	.1748-03	.2497-01	.1999	532.3
538	.95000	.80000	279.00	.1918-02	.2405-02	.2405-02	.9500	.8727-04	.1095-03	.1531-01	.1181	535.3
538	.95000	.90000	280.00	.2431-02	.3061-02	.3061-02	.9500	.1107-03	.1393-03	.1912-01	.1526	537.9

IH102 60-0 WING UPPER SURFACE (R4WR29)

WING UPPER SURF

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. F	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
544	1.049	4.010	-.3200-01	-.1117-04	17.13	707.7	167.9	.1113	1.253	2547.	.1790-02	.1351-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
544	.2483-01	.2264-01

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
544	.40000	.50000-01	246.00	.4389-01	.5451-01	.5451-01	.9500	.1090-02	.1353-02	.1978	1.853	526.1
544	.40000	.20000	247.00	.8605-02	.1067-01	.1067-01	.9500	.2136-03	.2649-03	.3903-01	.3135	525.0
544	.60000	.25000-01	253.00	.4366-01	.5918-01	.5918-01	.9500	.1084-02	.1469-02	.1463	3.570	572.7
544	.60000	.50000-01	254.00	.4565-01	.6023-01	.6023-01	.9500	.1133-02	.1495-02	.1657	3.326	561.5
544	.60000	.10000+00	255.00	.6413-01	.8165-01	.8165-01	.9500	.1592-02	.2027-02	.2626	2.787	542.8
544	.60000	.20000	256.00	.1689-01	.2096-01	.2096-01	.9500	.4192-03	.5204-03	.7632-01	.6885	525.6
544	.70000	.20000	262.00	.3174-01	.3951-01	.3951-01	.9500	.7879-03	.9809-03	.1417	1.326	527.8
544	.70000	.40000	263.00	.7916-02	.9713-02	.9713-02	.9500	.1964-03	.2411-03	.3743-01	.3382	517.1
544	.70000	.90000	264.00	.3012-02	.3704-02	.3704-02	.9500	.7479-04	.9197-04	.1416-01	.1142	518.3
544	.75000	.10000+00	265.00	.1128	.1443	.1443	.9500	.2801-02	.3582-02	.4546	4.400	545.4
544	.75000	.20000	266.00	.4906-01	.6129-01	.6129-01	.9500	.1218-02	.1522-02	.2159	2.105	530.4
544	.75000	.40000	267.00	.1665-01	.2051-01	.2051-01	.9500	.4135-03	.5091-03	.7784-01	.7024	519.4
544	.75000	.60000	268.00	.4846-02	.5948-02	.5948-02	.9500	.1203-03	.1477-03	.2298-01	.2360	516.7
544	.75000	.90000	270.00	.3820-02	.4726-02	.4726-02	.9500	.9484-04	.1173-03	.1750-01	.1408	523.1
544	.80000	.90000	271.00	.4747-02	.5883-02	.5883-02	.9500	.1178-03	.1461-03	.2159-01	.1675	524.5
544	.90000	.20000	272.00	.6806-01	.8598-01	.8598-01	.9500	.1690-02	.2135-02	.2868	2.564	537.9
544	.90000	.40000	273.00	.2658-01	.3309-01	.3309-01	.9500	.6600-03	.8216-03	.1187	1.066	527.8
544	.90000	.60000	274.00	.1048-01	.1299-01	.1299-01	.9500	.2601-03	.3225-03	.4760-01	.3569	524.7
544	.95000	.20000	275.00	.6164-01	.7809-01	.7809-01	.9500	.1530-02	.1939-02	.2571	2.496	539.7
544	.95000	.40000	276.00	.4594-01	.5757-01	.5757-01	.9500	.1140-02	.1429-02	.1997	1.492	532.6
544	.95000	.50000	277.00	.2054-01	.2561-01	.2561-01	.9500	.5101-03	.6359-03	.9123-01	.8192	528.8

IH102 60-0 WING UPPER SURFACE (R4WR29)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
544	.95000	.70000	278.00	.1662-01	.2071-01	.2071-01	.9500	.4127-03	.5141-03	.7399-01	.5934	528.4
544	.95000	.80000	279.00	.1154-01	.1442-01	.1442-01	.9500	.2866-03	.3580-03	.5078-01	.3928	530.5
544	.95000	.90000	280.00	.1022-01	.1279-01	.1279-01	.9500	.2538-03	.3175-03	.4473-01	.3582	531.4

IH102 60-0 WING UPPER SURFACE (R4WR29)

WING UPPER SURF

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. F	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
535	3.519	4.020	.1200-01	.8378-05	58.00	709.7	167.7	.3720	4.208	2552.	.5987-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
535	.4552-01	.1238-01

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
535	.40000	.50000-01	246.00	.2539-01	.3210-01	.3210-01	.9500	.1156-02	.1461-02	.1959	1.823	540.1
535	.40000	.20000	247.00	.1750-01	.2192-01	.2192-01	.9500	.7968-03	.9979-03	.1403	1.122	533.6
535	.40000	.75000	250.00	.1709-02	.2068-02	.2068-02	.9500	.7778-04	.9415-04	.1587-01	.1202	505.6
535	.40000	.80000	251.00	.3503-02	.4232-02	.4232-02	.9500	.1595-03	.1926-03	.3288-01	.2579	503.5
535	.40000	.95000	252.00	.1161-01	.1431-01	.1431-01	.9500	.5286-03	.6514-03	.9949-01	.8968	521.4
535	.60000	.25000-01	253.00	.1926-01	.2816-01	.2816-01	.9500	.8769-03	.1282-02	.9849-01	2.374	597.4
535	.60000	.50000-01	254.00	.2268-01	.3194-01	.3194-01	.9500	.1032-02	.1454-02	.1263	2.503	587.3
535	.60000	.10000+00	255.00	.5084-01	.6809-01	.6809-01	.9500	.2314-02	.3099-02	.3242	3.395	569.6
535	.60000	.20000	256.00	.3982-01	.5065-01	.5065-01	.9500	.1813-02	.2306-02	.3007	2.680	543.8
535	.60000	.40000	257.00	.1609-01	.1990-01	.1990-01	.9500	.7325-03	.9060-03	.1357	1.131	524.4
535	.60000	.60000	258.00	.9033-02	.1103-01	.1103-01	.9500	.4112-03	.5020-03	.8067-01	.7606	513.5
535	.60000	.75000	259.00	.6348-02	.7684-02	.7684-02	.9500	.2890-03	.3498-03	.5899-01	.5361	505.8
535	.60000	.85000	260.00	.1976-01	.2416-01	.2416-01	.9500	.8997-03	.1100-02	.1755	1.470	514.6
535	.60000	.95000	261.00	.1563-01	.1935-01	.1935-01	.9500	.7114-03	.8807-03	.1314	1.477	525.0
535	.70000	.20000	262.00	.4240-01	.5387-01	.5387-01	.9500	.1930-02	.2452-02	.3218	2.989	543.0
535	.70000	.40000	263.00	.2310-01	.2869-01	.2869-01	.9500	.1052-02	.1306-02	.1914	1.720	527.7
535	.70000	.90000	264.00	.2385-01	.2968-01	.2968-01	.9500	.1086-02	.1351-02	.1961	1.572	529.1
535	.75000	.10000+00	265.00	.8695-01	.1172	.1172	.9500	.3958-02	.5337-02	.5436	5.191	572.3
535	.75000	.20000	266.00	.5628-01	.7220-01	.7220-01	.9500	.2562-02	.3287-02	.4123	3.984	548.7
535	.75000	.40000	267.00	.2659-01	.3314-01	.3314-01	.9500	.1210-02	.1509-02	.2171	1.948	530.3
535	.75000	.60000	268.00	.1614-01	.2006-01	.2006-01	.9500	.7349-03	.9131-03	.1336	1.364	527.9

IH102 60-0 WING UPPER SURFACE (R4WR29)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
535	.75000	.80000	269.00	.2256-01	.2819-01	.2819-01	.9500	.1027-02	.1283-02	.1825	1.704	532.0
535	.75000	.90000	270.00	.3302-01	.4153-01	.4153-01	.9500	.1503-02	.1890-02	.2605	2.081	536.4
535	.80000	.90000	271.00	.2171-01	.2716-01	.2716-01	.9500	.9882-03	.1236-02	.1747	1.350	532.8
535	.90000	.20000	272.00	.6687-01	.8691-01	.8691-01	.9500	.3044-02	.3956-02	.4686	4.152	555.7
535	.90000	.40000	273.00	.3076-01	.3878-01	.3878-01	.9500	.1400-02	.1765-02	.2404	2.148	538.0
535	.90000	.60000	274.00	.1576-01	.1970-01	.1970-01	.9500	.7175-03	.8968-03	.1273	.9512	532.2
535	.95000	.20000	275.00	.5808-01	.7570-01	.7570-01	.9500	.2644-02	.3446-02	.4031	3.879	557.2
535	.95000	.40000	276.00	.4550-01	.5793-01	.5793-01	.9500	.2071-02	.2637-02	.3427	2.544	544.2
535	.95000	.50000	277.00	.2363-01	.2976-01	.2976-01	.9500	.1076-02	.1355-02	.1853	1.657	537.4
535	.95000	.70000	278.00	.1871-01	.2350-01	.2350-01	.9500	.8516-03	.1070-02	.1483	1.185	535.6
535	.95000	.80000	279.00	.1741-01	.2193-01	.2193-01	.9500	.7926-03	.9983-03	.1365	1.052	537.5
535	.95000	.90000	280.00	.1477-01	.1867-01	.1867-01	.9500	.6722-03	.8498-03	.1141	.9096	539.9

IH102 60-OTS WING UPPER SURFACE (R4WR30)

WING UPPER SURF

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
490	3.503	3.010	-5.021	-11.00	33.83	709.7	252.4	.9073	5.754	2344.	.9703-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
490	.5320-01	.9719-02

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
490	.40000	.50000-01	246.00	.1311-01	.1720-01	.1720-01	.9500	.6972-03	.9151-03	.1039	.9565	560.6
490	.40000	.20000	247.00	.4171-01	.5584-01	.5584-01	.9500	.2219-02	.2970-02	.3112	2.444	569.4
490	.40000	.60000	249.00	.8574-02	.1120-01	.1120-01	.9500	.4561-03	.5957-03	.6903-01	.7634	558.3
490	.40000	.75000	250.00	.8212-02	.1048-01	.1048-01	.9500	.4368-03	.5573-03	.7170-01	.5321	545.5
490	.40000	.80000	251.00	.9501-02	.1220-01	.1220-01	.9500	.5054-03	.6487-03	.8117-01	.6220	549.1
490	.40000	.95000	252.00	.2559-01	.3419-01	.3419-01	.9500	.1361-02	.1819-02	.1922	1.692	568.5
490	.60000	.10000+00	255.00	.5786-02	.8025-02	.8025-02	.9500	.3078-03	.4269-03	.3915-01	.4074	582.5
490	.60000	.20000	256.00	.1058-01	.1391-01	.1391-01	.9500	.5631-03	.7401-03	.8353-01	.7380	561.3
490	.60000	.75000	259.00	.3906-02	.4996-02	.4996-02	.9500	.2078-03	.2658-03	.3380-01	.3007	547.0
490	.60000	.85000	260.00	.6013-02	.7809-02	.7809-02	.9500	.3199-03	.4154-03	.4936-01	.4049	555.4
490	.60000	.95000	261.00	.8037-02	.1058-01	.1058-01	.9500	.4275-03	.5627-03	.6318-01	.6974	561.9
490	.70000	.20000	262.00	.3428-01	.4584-01	.4584-01	.9500	.1823-02	.2438-02	.2566	2.353	568.9
490	.70000	.40000	263.00	.1864-01	.2426-01	.2426-01	.9500	.9916-03	.1290-02	.1520	1.346	556.4
490	.70000	.90000	264.00	.2242-01	.2920-01	.2920-01	.9500	.1192-02	.1553-02	.1822	1.440	556.9
490	.75000	.10000+00	265.00	.6506-01	.9247-01	.9247-01	.9500	.3461-02	.4919-02	.4143	3.922	590.0
490	.75000	.20000	266.00	.4793-01	.6479-01	.6479-01	.9500	.2550-02	.3447-02	.3476	3.317	573.3
490	.75000	.40000	267.00	.2371-01	.3099-01	.3099-01	.9500	.1261-02	.1649-02	.1904	1.684	558.7
490	.75000	.60000	268.00	.1465-01	.1914-01	.1914-01	.9500	.7792-03	.1018-02	.1178	1.185	558.4
490	.75000	.80000	269.00	.3070-01	.4057-01	.4057-01	.9500	.1633-02	.2158-02	.2381	2.188	563.9
490	.75000	.90000	270.00	.3858-01	.5127-01	.5127-01	.9500	.2052-02	.2727-02	.2942	2.315	566.3
490	.80000	.90000	271.00	.4229-01	.5622-01	.5622-01	.9500	.2249-02	.2991-02	.3221	2.447	566.5

IH102 60-OTS WING UPPER SURFACE (R4WR30)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
490	.90000	.20000	272.00	.5001-01	.6736-01	.6736-01	.9500	.2660-02	.3583-02	.3665	3.221	571.9
490	.90000	.40000	273.00	.2875-01	.3752-01	.3752-01	.9500	.1530-02	.1996-02	.2323	2.056	557.8
490	.90000	.60000	274.00	.1938-01	.2504-01	.2504-01	.9500	.1031-02	.1332-02	.1618	1.196	552.7
490	.95000	.20000	275.00	.3854-01	.5170-01	.5170-01	.9500	.2050-02	.2750-02	.2860	2.734	570.2
490	.95000	.40000	276.00	.2839-01	.3739-01	.3739-01	.9500	.1510-02	.1989-02	.2225	1.637	562.3
490	.95000	.50000	277.00	.1981-01	.2581-01	.2581-01	.9500	.1054-02	.1373-02	.1608	1.423	557.1
490	.95000	.70000	278.00	.1997-01	.2588-01	.2588-01	.9500	.1062-02	.1376-02	.1650	1.306	554.3
490	.95000	.80000	279.00	.2104-01	.2750-01	.2750-01	.9500	.1119-02	.1463-02	.1689	1.288	558.7
490	.95000	.90000	280.00	.2141-01	.2826-01	.2826-01	.9500	.1138-02	.1503-02	.1668	1.315	563.2

IH102 60-OTS WING UPPER SURFACE (R4WR31)

WING UPPER SURF

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
501	1.037	3.010	-5.026	-6.020	9.672	692.7	246.3	.2594	1.645	2316.	.2842-02	.1972-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
501	.2832-01	.1790-01

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
501	.40000	.50000-01	246.00	.1272-01	.1627-01	.1627-01	.9500	.3604-03	.4609-03	.5723-01	.5340	533.9
501	.40000	.20000	247.00	.8646-02	.1098-01	.1098-01	.9500	.2449-03	.3111-03	.3983-01	.3192	530.0
501	.40000	.80000	251.00	.8873-02	.1092-01	.1092-01	.9500	.2513-03	.3092-03	.4645-01	.3635	507.8
501	.40000	.95000	252.00	.1143-01	.1432-01	.1432-01	.9500	.3237-03	.4055-03	.5557-01	.5011	521.0
501	.60000	.25000-01	253.00	.2406-01	.3430-01	.3430-01	.9500	.6813-03	.9715-03	.7898-01	1.923	576.7
501	.60000	.50000-01	254.00	.3092-01	.4262-01	.4262-01	.9500	.8756-03	.1207-02	.1104	2.212	586.5
501	.60000	.10000+00	255.00	.5801-01	.7619-01	.7619-01	.9500	.1643-02	.2158-02	.2384	2.525	547.5
501	.60000	.20000	256.00	.2413-01	.3049-01	.3049-01	.9500	.6834-03	.8636-03	.1134	1.020	526.7
501	.60000	.40000	257.00	.3500-02	.4337-02	.4337-02	.9500	.9913-04	.1228-03	.1780-01	.1492	513.1
501	.60000	.60000	258.00	.2125-02	.2611-02	.2611-02	.9500	.6017-04	.7394-04	.1119-01	.1059	506.7
501	.60000	.95000	261.00	.3380-02	.4206-02	.4206-02	.9500	.9571-04	.1191-03	.1686-01	.1905	516.5
501	.70000	.20000	262.00	.3543-01	.4497-01	.4497-01	.9500	.1003-02	.1274-02	.1637	1.531	529.5
501	.70000	.40000	263.00	.1219-01	.1521-01	.1521-01	.9500	.3451-03	.4307-03	.6018-01	.5433	518.3
501	.70000	.90000	264.00	.2161-01	.2722-01	.2722-01	.9500	.6119-03	.7710-03	.1027	.8254	524.8
501	.75000	.10000+00	265.00	.9043-01	.1194	.1194	.9500	.2561-02	.3382-02	.3653	3.528	550.0
501	.75000	.20000	266.00	.4982-01	.6373-01	.6373-01	.9500	.1411-02	.1805-02	.2238	2.179	534.0
501	.75000	.40000	267.00	.2012-01	.2525-01	.2525-01	.9500	.5697-03	.7151-03	.9707-01	.8746	522.3
501	.75000	.60000	268.00	.8820-02	.1102-01	.1102-01	.9500	.2498-03	.3121-03	.4331-01	.4441	519.3
501	.75000	.80000	269.00	.2965-02	.3714-02	.3714-02	.9500	.8397-04	.1052-03	.1442-01	.1355	520.9
501	.75000	.90000	270.00	.9585-02	.1209-01	.1209-01	.9500	.2715-03	.3424-03	.4537-01	.3644	525.5
501	.80000	.90000	271.00	.8828-02	.1116-01	.1116-01	.9500	.2500-03	.3160-03	.4149-01	.3216	526.7

IH102 60-OTS WING UPPER SURFACE (R4WR31)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
501	.90000	.20000	272.00	.6188-01	.8028-01	.8028-01	.9500	.1753-02	.2274-02	.2649	2.363	541.5
501	.90000	.40000	273.00	.3085-01	.3929-01	.3929-01	.9500	.8736-03	.1113-02	.1408	1.263	531.5
501	.90000	.60000	274.00	.1715-01	.2171-01	.2171-01	.9500	.4856-03	.6149-03	.8003-01	.5992	527.9
501	.95000	.20000	275.00	.4679-01	.6091-01	.6091-01	.9500	.1325-02	.1725-02	.1981	1.919	543.2
501	.95000	.40000	276.00	.3465-01	.4462-01	.4462-01	.9500	.9813-03	.1264-02	.1521	1.133	537.7
501	.95000	.50000	277.00	.1981-01	.2533-01	.2533-01	.9500	.5609-03	.7174-03	.8906-01	.7978	533.9
501	.95000	.70000	278.00	.1919-01	.2442-01	.2442-01	.9500	.5434-03	.6916-03	.8784-01	.7035	531.0
501	.95000	.80000	279.00	.1904-01	.2429-01	.2429-01	.9500	.5392-03	.6880-03	.8638-01	.6675	532.5
501	.95000	.90000	280.00	.1677-01	.2144-01	.2144-01	.9500	.4749-03	.6071-03	.7557-01	.6045	533.6

WING UPPER SURF

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
483	3.541	3.010	-4.988	-5.949	34.12	708.7	252.0	.9151	5.804	2342.	.9801-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
483	.5341-01	.9668-02

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/T)	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
483	.40000	.50000-01	246.00	.1816-01	.2361-01	.2361-01	.9500	.9698-03	.1261-02	.1489	1.374	555.2
483	.40000	.20000	247.00	.2186-01	.2845-01	.2845-01	.9500	.1168-02	.1520-02	.1786	1.413	555.7
483	.40000	.60000	249.00	.1038-01	.1334-01	.1334-01	.9500	.5543-03	.7124-03	.8848-01	.9831	549.0
483	.40000	.75000	250.00	.8216-02	.1040-01	.1040-01	.9500	.4389-03	.5553-03	.7415-01	.5518	539.7
483	.40000	.80000	251.00	.1222-01	.1556-01	.1556-01	.9500	.6529-03	.8312-03	.1079	.8288	543.5
483	.40000	.95000	252.00	.2240-01	.2916-01	.2916-01	.9500	.1197-02	.1558-02	.1829	1.620	555.8
483	.60000	.25000-01	253.00	.2306-01	.3732-01	.3732-01	.9500	.1232-02	.1993-02	.1143	2.729	615.9
483	.60000	.50000-01	254.00	.2851-01	.4456-01	.4456-01	.9500	.1523-02	.2380-02	.1499	2.937	610.3
483	.60000	.10000+00	255.00	.5925-01	.8479-01	.8479-01	.9500	.3165-02	.4529-02	.3723	3.858	591.0
483	.60000	.20000	256.00	.4171-01	.5520-01	.5520-01	.9500	.2228-02	.2949-02	.3228	2.848	563.8
483	.60000	.40000	257.00	.1699-01	.2178-01	.2178-01	.9500	.9074-03	.1163-02	.1462	1.205	547.5
483	.60000	.60000	258.00	.1589-01	.2037-01	.2037-01	.9500	.8486-03	.1088-02	.1366	1.265	547.7
483	.60000	.75000	259.00	.1576-01	.2000-01	.2000-01	.9500	.8415-03	.1068-02	.1404	1.252	541.9
483	.60000	.85000	260.00	.3499-01	.4531-01	.4531-01	.9500	.1869-02	.2420-02	.2908	2.389	553.1
483	.60000	.95000	261.00	.2701-01	.3536-01	.3536-01	.9500	.1442-02	.1889-02	.2164	2.392	558.7
483	.70000	.20000	262.00	.3993-01	.5266-01	.5266-01	.9500	.2133-02	.2813-02	.3126	2.875	562.1
483	.70000	.40000	263.00	.2937-01	.3807-01	.3807-01	.9500	.1569-02	.2033-02	.2434	2.159	553.5
483	.70000	.90000	264.00	.3575-01	.4587-01	.4587-01	.9500	.1909-02	.2450-02	.3066	2.434	548.1
483	.75000	.10000+00	265.00	.7559-01	.1048	.1048	.9500	.4038-02	.5597-02	.5134	4.881	581.5
483	.75000	.20000	266.00	.5426-01	.7164-01	.7164-01	.9500	.2898-02	.3827-02	.4232	4.062	562.6
483	.75000	.40000	267.00	.3936-01	.5083-01	.5083-01	.9500	.2102-02	.2715-02	.3302	2.931	551.6

IH102 60-OTS WING UPPER SURFACE (R4WR31)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
483	.75000	.60000	268.00	.3188-01	.4126-01	.4126-01	.9500	.1703-02	.2204-02	.2655	2.677	552.8
483	.75000	.80000	269.00	.4006-01	.5243-01	.5243-01	.9500	.2140-02	.2800-02	.3214	2.962	558.4
483	.75000	.90000	270.00	.5093-01	.6650-01	.6650-01	.9500	.2720-02	.3552-02	.4116	3.253	557.3
483	.80000	.90000	271.00	.5518-01	.7230-01	.7230-01	.9500	.2947-02	.3862-02	.4410	3.363	559.0
483	.90000	.20000	272.00	.5844-01	.7750-01	.7750-01	.9500	.3122-02	.4139-02	.4498	3.967	564.6
483	.90000	.40000	273.00	.3341-01	.4281-01	.4281-01	.9500	.1784-02	.2287-02	.2878	2.560	547.4
483	.90000	.60000	274.00	.2221-01	.2815-01	.2815-01	.9500	.1186-02	.1504-02	.1991	1.481	540.8
483	.95000	.20000	275.00	.4712-01	.6212-01	.6212-01	.9500	.2517-02	.3318-02	.3694	3.546	561.9
483	.95000	.40000	276.00	.4087-01	.5286-01	.5286-01	.9500	.2183-02	.2823-02	.3410	2.521	552.5
483	.95000	.50000	277.00	.2661-01	.3406-01	.3406-01	.9500	.1421-02	.1819-02	.2303	2.049	546.7
483	.95000	.70000	278.00	.2426-01	.3089-01	.3089-01	.9500	.1296-02	.1650-02	.2139	1.703	543.6
483	.95000	.80000	279.00	.2671-01	.3415-01	.3415-01	.9500	.1426-02	.1824-02	.2318	1.779	546.2
483	.95000	.90000	280.00	.2859-01	.3669-01	.3669-01	.9500	.1527-02	.1960-02	.2452	1.947	548.1

IH102 60-0TS WING UPPER SURFACE (R4WR32)

WING UPPER SURF

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
498	1.036	3.010	-4.926	-.1717-02	9.697	694.7	247.0	.2601	1.649	2319.	.2841-02	.1978-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
498	.2837-01	.1791-01

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
498	.40000	.50000-01	246.00	.3387-01	.4368-01	.4368-01	.9500	.9609-03	.1239-02	.1486	1.382	540.0
498	.40000	.20000	247.00	.3638-01	.4633-01	.4633-01	.9500	.1032-02	.1314-02	.1671	1.337	532.8
498	.40000	.60000	249.00	.1258-02	.1548-02	.1548-02	.9500	.3570-04	.4392-04	.6621-02	.7508-01	509.2
498	.40000	.75000	250.00	.5756-02	.7026-02	.7026-02	.9500	.1633-03	.1993-03	.3138-01	.2380	502.5
498	.40000	.80000	251.00	.1273-01	.1551-01	.1551-01	.9500	.3613-03	.4400-03	.7014-01	.5510	500.5
498	.40000	.95000	252.00	.1804-01	.2239-01	.2239-01	.9500	.5118-03	.6352-03	.9147-01	.8268	515.9
498	.60000	.25000-01	253.00	.2941-01	.4138-01	.4138-01	.9500	.8344-03	.1174-02	.1001	2.441	574.6
498	.60000	.50000-01	254.00	.3340-01	.4560-01	.4560-01	.9500	.9475-03	.1294-02	.1230	2.464	564.9
498	.60000	.10000+00	255.00	.5893-01	.7699-01	.7699-01	.9500	.1672-02	.2184-02	.2476	2.623	546.6
498	.60000	.20000	256.00	.2660-01	.3345-01	.3345-01	.9500	.7547-03	.9490-03	.1280	1.152	525.1
498	.60000	.40000	257.00	.7059-02	.8693-02	.8693-02	.9500	.2003-03	.2467-03	.3700-01	.3107	509.9
498	.60000	.60000	258.00	.5692-02	.6945-02	.6945-02	.9500	.1615-03	.1970-03	.3108-01	.2948	502.2
498	.60000	.75000	259.00	.7100-02	.8605-02	.8605-02	.9500	.2015-03	.2442-03	.4001-01	.3654	496.1
498	.60000	.85000	260.00	.2284-01	.2800-01	.2800-01	.9500	.6479-03	.7943-03	.1221	1.027	506.2
498	.60000	.95000	261.00	.2192-01	.2711-01	.2711-01	.9500	.6220-03	.7691-03	.1130	1.278	513.0
498	.70000	.20000	262.00	.4372-01	.5520-01	.5520-01	.9500	.1240-02	.1566-02	.2072	1.939	527.6
498	.70000	.40000	263.00	.1805-01	.2237-01	.2237-01	.9500	.5122-03	.6348-03	.9213-01	.8334	514.8
498	.70000	.90000	264.00	.3204-01	.3993-01	.3993-01	.9500	.9090-03	.1133-02	.1597	1.287	518.9
498	.75000	.10000+00	265.00	.1100	.1450	.1450	.9500	.3121-02	.4115-02	.4488	4.333	550.9
498	.75000	.20000	266.00	.6028-01	.7666-01	.7666-01	.9500	.1710-02	.2175-02	.2779	2.708	532.1
499	.75000	.40000	267.00	.2330-01	.2899-01	.2899-01	.9500	.6612-03	.8227-03	.1170	1.057	517.7

IH102 60-OTS WING UPPER SURFACE (R4WR32)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
498	.75000	.60000	268.00	.1140-01	.1411-01	.1411-01	.9500	.3234-03	.4005-03	.5840-01	.6005	514.1
498	.75000	.80000	269.00	.7703-02	.9542-02	.9542-02	.9500	.2186-03	.2707-03	.3939-01	.3712	514.4
498	.75000	.90000	270.00	.1639-01	.2046-01	.2046-01	.9500	.4651-03	.5805-03	.8128-01	.6547	519.9
498	.80000	.90000	271.00	.1464-01	.1832-01	.1832-01	.9500	.4154-03	.5198-03	.7184-01	.5582	521.7
498	.90000	.20000	272.00	.7866-01	.1016	.1016	.9500	.2232-02	.2882-02	.3435	3.066	540.8
498	.90000	.40000	273.00	.4018-01	.5078-01	.5078-01	.9500	.1140-02	.1441-02	.1896	1.703	528.4
498	.90000	.60000	274.00	.2404-01	.3017-01	.3017-01	.9500	.6821-03	.8559-03	.1167	.8756	523.6
498	.95000	.20000	275.00	.6952-01	.9026-01	.9026-01	.9500	.1972-02	.2561-02	.2980	2.888	543.6
498	.95000	.40000	276.00	.4830-01	.6217-01	.6217-01	.9500	.1370-02	.1764-02	.2134	1.589	539.0
498	.95000	.50000	277.00	.2784-01	.3543-01	.3543-01	.9500	.7899-03	.1005-02	.1281	1.148	532.6
498	.95000	.70000	278.00	.2927-01	.3689-01	.3689-01	.9500	.8304-03	.1047-02	.1396	1.120	526.6
498	.95000	.80000	279.00	.3001-01	.3792-01	.3792-01	.9500	.8516-03	.1076-02	.1419	1.099	528.0
498	.95000	.90000	280.00	.2450-01	.3104-01	.3104-01	.9500	.6952-03	.8808-03	.1146	.9181	529.9

IH102 60-0TS WING UPPER SURFACE (R4WR32)

WING UPPER SURF

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
472	3.513	3.010	-4.930	-.1719-02	33.93	709.7	252.4	.9098	5.770	2344.	.9730-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
472	.5327-01	.9705-02

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
472	.40000	.50000-01	246.00	.3313-01	.4526-01	.4526-01	.9500	.1765-02	.2411-02	.2338	2.134	577.2
472	.40000	.20000	247.00	.4454-01	.6012-01	.6012-01	.9500	.2372-02	.3203-02	.3247	2.547	572.8
472	.40000	.60000	249.00	.1243-01	.1608-01	.1608-01	.9500	.6620-03	.8568-03	.1033	1.145	553.6
472	.40000	.75000	250.00	.1105-01	.1402-01	.1402-01	.9500	.5885-03	.7466-03	.9861-01	.7330	542.1
472	.40000	.80000	251.00	.1859-01	.2360-01	.2360-01	.9500	.9901-03	.1257-02	.1653	1.271	542.7
472	.40000	.95000	252.00	.2431-01	.3161-01	.3161-01	.9500	.1295-02	.1684-02	.1991	1.763	556.0
472	.60000	.25000-01	253.00	.2603-01	.5239-01	.5239-01	.9500	.1387-02	.2791-02	.9779-01	2.310	639.2
472	.60000	.50000-01	254.00	.2946-01	.5461-01	.5461-01	.9500	.1569-02	.2909-02	.1209	2.344	632.6
472	.60000	.10000+00	255.00	.7082-01	.1104	.1104	.9500	.3772-02	.5883-02	.3731	3.829	610.8
472	.60000	.20000	256.00	.5871-01	.8063-01	.8063-01	.9500	.3128-02	.4295-02	.4083	3.575	579.1
472	.60000	.40000	257.00	.2190-01	.2840-01	.2840-01	.9500	.1167-02	.1513-02	.1809	1.485	554.6
472	.60000	.60000	258.00	.1780-01	.2290-01	.2290-01	.9500	.9484-03	.1220-02	.1513	1.400	550.1
472	.60000	.75000	259.00	.1712-01	.2168-01	.2168-01	.9500	.9121-03	.1155-02	.1540	1.374	540.8
472	.60000	.85000	260.00	.3163-01	.4077-01	.4077-01	.9500	.1685-02	.2172-02	.2666	2.191	551.5
472	.60000	.95000	261.00	.2729-01	.3529-01	.3529-01	.9500	.1454-02	.1880-02	.2276	2.524	553.1
472	.70000	.20000	262.00	.5688-01	.7708-01	.7708-01	.9500	.3030-02	.4106-02	.4103	3.751	574.3
472	.70000	.40000	263.00	.4100-01	.5390-01	.5390-01	.9500	.2184-02	.2871-02	.3238	2.860	561.4
472	.70000	.90000	264.00	.5079-01	.6574-01	.6574-01	.9500	.2706-02	.3502-02	.4222	3.343	553.6
472	.75000	.10000+00	265.00	.8869-01	.1291	.1291	.9500	.4725-02	.6879-02	.5353	5.051	596.4
472	.75000	.20000	266.00	.7259-01	.9941-01	.9941-01	.9500	.3867-02	.5296-02	.5086	4.843	578.2
472	.75000	.40000	267.00	.5722-01	.7570-01	.7570-01	.9500	.3048-02	.4033-02	.4429	3.906	564.4

IH102 60-OTS WING UPPER SURFACE (R4WR32)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
472	.75000	.60000	268.00	.4073-01	.5350-01	.5350-01	.9500	.2170-02	.2850-02	.3225	3.238	561.0
472	.75000	.80000	269.00	.4752-01	.6272-01	.6272-01	.9500	.2531-02	.3341-02	.3707	3.408	563.2
472	.75000	.90000	270.00	.6083-01	.8012-01	.8012-01	.9500	.3241-02	.4268-02	.4777	3.766	562.3
472	.80000	.90000	271.00	.6003-01	.7905-01	.7905-01	.9500	.3198-02	.4211-02	.4715	3.589	562.2
472	.90000	.20000	272.00	.7036-01	.9553-01	.9553-01	.9500	.3748-02	.5089-02	.5048	4.429	575.0
472	.90000	.40000	273.00	.4234-01	.5487-01	.5487-01	.9500	.2256-02	.2923-02	.3504	3.106	554.3
472	.90000	.60000	274.00	.3081-01	.3926-01	.3926-01	.9500	.1641-02	.2092-02	.2704	2.007	544.9
472	.95000	.20000	275.00	.6081-01	.8205-01	.8205-01	.9500	.3239-02	.4371-02	.4440	4.239	572.6
472	.95000	.40000	276.00	.5844-01	.7666-01	.7666-01	.9500	.3113-02	.4084-02	.4647	3.423	560.4
472	.95000	.50000	277.00	.3481-01	.4502-01	.4502-01	.9500	.1855-02	.2398-02	.2903	2.576	553.1
472	.95000	.70000	278.00	.4021-01	.5171-01	.5171-01	.9500	.2142-02	.2754-02	.3416	2.710	550.2
472	.95000	.80000	279.00	.4020-01	.5188-01	.5188-01	.9500	.2142-02	.2764-02	.3376	2.583	552.0
472	.95000	.90000	280.00	.4024-01	.5203-01	.5203-01	.9500	.2144-02	.2772-02	.3358	2.660	553.0

IH102 60-OTS WING UPPER SURFACE (R4WR33)

WING UPPER SURF

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
486	3.516	3.010	-.1548-01	-10.95	33.96	709.7	252.4	.9106	5.775	2344.	.9739-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
486	.5329-01	.9701-02

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
486	.40000	.50000-01	246.00	.5693-02	.7343-02	.7343-02	.9500	.3034-03	.3913-03	.4789-01	.4428	551.8
486	.40000	.20000	247.00	.3720-02	.4948-02	.4948-02	.9500	.1983-03	.2637-03	.2836-01	.2231	566.6
486	.40000	.75000	250.00	.5256-02	.6689-02	.6689-02	.9500	.2801-03	.3565-03	.4640-01	.3446	544.0
486	.40000	.80000	251.00	.1023-01	.1305-01	.1305-01	.9500	.5450-03	.6953-03	.8949-01	.6870	545.5
486	.40000	.95000	252.00	.3207-01	.4295-01	.4295-01	.9500	.1709-02	.2289-02	.2396	2.108	569.5
486	.60000	.25000-01	253.00	.1597-01	.2201-01	.2201-01	.9500	.8510-03	.1173-02	.1100	2.673	580.5
486	.60000	.50000-01	254.00	.1242-01	.1702-01	.1702-01	.9500	.6618-03	.9070-03	.8686-01	1.729	578.4
486	.60000	.10000+00	255.00	.1156-01	.1551-01	.1551-01	.9500	.6159-03	.8266-03	.8576-01	.8979	570.4
486	.70000	.20000	262.00	.9832-02	.1295-01	.1295-01	.9500	.5240-03	.6901-03	.7724-01	.7104	562.3
486	.70000	.90000	264.00	.8510-02	.1127-01	.1127-01	.9500	.4535-03	.6004-03	.6578-01	.5180	564.6
486	.75000	.10000+00	265.00	.4503-01	.6193-01	.6193-01	.9500	.2400-02	.3301-02	.3120	2.969	579.7
486	.75000	.20000	266.00	.2034-01	.2724-01	.2724-01	.9500	.1084-02	.1452-02	.1519	1.453	569.5
486	.75000	.40000	267.00	.4700-02	.6159-02	.6159-02	.9500	.2505-03	.3283-03	.3752-01	.3317	559.9
486	.75000	.80000	269.00	.8523-02	.1138-01	.1138-01	.9500	.4542-03	.6064-03	.6425-01	.5892	568.2
486	.75000	.90000	270.00	.2079-01	.2825-01	.2825-01	.9500	.1108-02	.1505-02	.1491	1.168	575.2
486	.80000	.90000	271.00	.2101-01	.2843-01	.2843-01	.9500	.1120-02	.1515-02	.1523	1.152	573.7
486	.90000	.20000	272.00	.3926-01	.5279-01	.5279-01	.9500	.2092-02	.2813-02	.2895	2.545	571.3
486	.90000	.40000	273.00	.1569-01	.2072-01	.2072-01	.9500	.8359-03	.1104-02	.1220	1.076	563.7
486	.90000	.60000	274.00	.6089-02	.7963-02	.7963-02	.9500	.3245-03	.4244-03	.4892-01	.3606	558.9
486	.95000	.20000	275.00	.4113-01	.5508-01	.5508-01	.9500	.2192-02	.2936-02	.3070	2.936	569.6
486	.95000	.40000	276.00	.5676-01	.7607-01	.7607-01	.9500	.3025-02	.4054-02	.4229	3.100	569.9

IH102 60-OTS WING UPPER SURFACE (R4WR33)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
486	.95000	.50000	277.00	.3532-01	.4706-01	.4706-01	.9500	.1882-02	.2508-02	.2679	2.359	567.4
486	.95000	.70000	278.00	.1685-01	.2226-01	.2226-01	.9500	.8978-03	.1186-02	.1310	1.032	563.8
486	.95000	.80000	279.00	.9912-02	.1313-01	.1313-01	.9500	.5283-03	.7000-03	.7641-01	.5808	565.0
486	.95000	.90000	280.00	.7230-02	.9684-02	.9684-02	.9500	.3853-03	.5161-03	.5396-01	.4238	569.6

IH102 60-OTS WING UPPER SURFACE (R4WR36)

WING UPPER SURF

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
480	3.536	3.010	-.1468-01	-5.986	34.08	708.7	252.0	.9140	5.797	2342.	.9789-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
480	.5338-01	.9674-02

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
480	.40000	.50000-01	246.00	.1596-01	.2079-01	.2079-01	.9500	.8521-03	.1110-02	.1300	1.200	556.1
480	.40000	.20000	247.00	.9167-02	.1193-01	.1193-01	.9500	.4893-03	.6368-03	.7485-01	.5920	555.7
480	.40000	.60000	249.00	.1195-02	.1525-02	.1525-02	.9500	.6380-04	.8140-04	.1045-01	.1164	544.8
480	.40000	.75000	250.00	.5678-02	.7167-02	.7167-02	.9500	.3031-03	.3825-03	.5169-01	.3850	538.1
480	.40000	.80000	251.00	.8799-02	.1115-01	.1115-01	.9500	.4697-03	.5952-03	.7894-01	.6075	540.6
480	.40000	.95000	252.00	.2423-01	.3184-01	.3184-01	.9500	.1294-02	.1699-02	.1919	1.696	560.3
480	.60000	.25000-01	253.00	.1620-01	.2466-01	.2466-01	.9500	.8649-03	.1316-02	.8937-01	2.146	605.3
480	.60000	.50000-01	254.00	.2536-01	.3702-01	.3702-01	.9500	.1353-02	.1976-02	.1522	3.003	596.2
480	.60000	.10000+00	255.00	.4339-01	.5944-01	.5944-01	.9500	.2316-02	.3173-02	.3039	3.171	577.4
480	.60000	.20000	256.00	.1905-01	.2468-01	.2468-01	.9500	.1017-02	.1317-02	.1580	1.401	553.3
480	.60000	.85000	260.00	.2115-01	.2723-01	.2723-01	.9500	.1129-02	.1453-02	.1792	1.474	549.9
480	.60000	.95000	261.00	.2243-01	.2945-01	.2945-01	.9500	.1197-02	.1572-02	.1780	1.967	560.0
480	.70000	.20000	262.00	.2780-01	.3605-01	.3605-01	.9500	.1484-02	.1924-02	.2297	2.122	553.9
480	.70000	.40000	263.00	.1451-01	.1846-01	.1846-01	.9500	.7744-03	.9852-03	.1282	1.143	543.1
480	.70000	.90000	264.00	.2727-01	.3503-01	.3503-01	.9500	.1456-02	.1870-02	.2328	1.848	548.7
480	.75000	.10000+00	265.00	.6390-01	.8750-01	.8750-01	.9500	.3411-02	.4671-02	.4481	4.269	577.3
480	.75000	.20000	266.00	.4196-01	.5497-01	.5497-01	.9500	.2240-02	.2934-02	.3352	3.222	559.0
480	.75000	.40000	267.00	.2813-01	.3600-01	.3600-01	.9500	.1502-02	.1922-02	.2434	2.166	546.6
480	.75000	.60000	268.00	.1704-01	.2180-01	.2180-01	.9500	.9097-03	.1164-02	.1476	1.493	546.4
480	.75000	.80000	269.00	.1880-01	.2421-01	.2421-01	.9500	.1003-02	.1293-02	.1589	1.471	550.3
480	.75000	.90000	270.00	.3203-01	.4162-01	.4162-01	.9500	.1710-02	.2222-02	.2629	2.081	554.9

IH102 60-OTS WING UPPER SURFACE (R4WR36)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
480	.80000	.90000	271.00	.2662-01	.3440-01	.3440-01	.9500	.1421-02	.1836-02	.2226	1.703	552.0
480	.90000	.20000	272.00	.5310-01	.7073-01	.7073-01	.9500	.2834-02	.3776-02	.4028	3.549	566.6
480	.90000	.40000	273.00	.2975-01	.3814-01	.3814-01	.9500	.1588-02	.2036-02	.2558	2.275	547.6
480	.90000	.60000	274.00	.1873-01	.2373-01	.2373-01	.9500	.9999-03	.1267-02	.1681	1.251	540.5
480	.95000	.20000	275.00	.5087-01	.6771-01	.6771-01	.9500	.2716-02	.3615-02	.3869	3.706	566.2
480	.95000	.40000	276.00	.5207-01	.6863-01	.6863-01	.9500	.2780-02	.3664-02	.4082	3.005	561.8
480	.95000	.50000	277.00	.2759-01	.3574-01	.3574-01	.9500	.1473-02	.1908-02	.2290	2.031	553.2
480	.95000	.70000	278.00	.1495-01	.1907-01	.1907-01	.9500	.7978-03	.1018-02	.1307	1.039	544.9
480	.95000	.80000	279.00	.1524-01	.1948-01	.1948-01	.9500	.8137-03	.1040-02	.1326	1.017	545.8
480	.95000	.90000	280.00	.1702-01	.2182-01	.2182-01	.9500	.9085-03	.1165-02	.1463	1.162	547.6

IH102 60-OTS WING UPPER SURFACE (R4'/R38)

WING UPPER SURF

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = 0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
475	3.525	3.010	.1051-02	-3.008	33.97	708.0	252.0	.9111	5.778	2342.	.9758-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
475	.5329-01	.9690-02

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
475	.40000	.50000-01	246.00	.1532-01	.2013-01	.2013-01	.9500	.8165-03	.1073-02	.1211	1.115	560.4
475	.40000	.20000	247.00	.1743-01	.2290-01	.2290-01	.9500	.9291-03	.1220-02	.1380	1.089	560.2
475	.40000	.75000	250.00	.3333-02	.4246-02	.4246-02	.9500	.1776-03	.2263-03	.2925-01	.2172	544.0
475	.40000	.80000	251.00	.4512-02	.5747-02	.5747-02	.9500	.2404-03	.3063-03	.3964-01	.3046	543.8
475	.40000	.95000	252.00	.1253-01	.1642-01	.1642-01	.9500	.6678-03	.8752-03	.9986-01	.8831	559.1
475	.60000	.25000-01	253.00	.2291-01	.3930-01	.3933-01	.9500	.1221-02	.2094-02	.1037	2.468	623.7
475	.60000	.50000-01	254.00	.3068-01	.5057-01	.5057-01	.9500	.1635-02	.2695-02	.1472	2.874	618.6
475	.60000	.10000+00	255.00	.6609-01	.9727-01	.9727-01	.9500	.3522-02	.5184-02	.3893	4.020	598.1
475	.60000	.20000	256.00	.3865-01	.5167-01	.5167-01	.9500	.2060-02	.2754-02	.2897	2.551	568.0
475	.60000	.40000	257.00	.6251-02	.8032-02	.8032-02	.9500	.3332-03	.4281-03	.5325-01	.4383	548.8
475	.60000	.60000	258.00	.4449-02	.5698-02	.5698-02	.9500	.2371-03	.3037-03	.3834-01	.3554	547.0
475	.60000	.75000	259.00	.2410-02	.3061-02	.3061-02	.9500	.1284-03	.1631-03	.2139-01	.1909	542.1
475	.60000	.85000	260.00	.1666-01	.2161-01	.2161-01	.9500	.8877-03	.1152-02	.1372	1.126	554.1
475	.60000	.95000	261.00	.1674-01	.2189-01	.2183-01	.9500	.8922-03	.1166-02	.1344	1.487	558.0
475	.70000	.20000	262.00	.3264-01	.4316-01	.4315-01	.9500	.1739-02	.2300-02	.2528	2.324	563.3
475	.70000	.40000	263.00	.1787-01	.2314-01	.2314-01	.9500	.9526-03	.1233-02	.1482	1.315	553.1
475	.70000	.90000	264.00	.3573-01	.4647-01	.4647-01	.9500	.1904-02	.2477-02	.2917	2.308	555.5
475	.75000	.10000+00	265.00	.6983-01	.9993-01	.9993-01	.9500	.3722-02	.5326-02	.4378	4.143	591.0
475	.75000	.20000	266.00	.4783-01	.6443-01	.6443-01	.9500	.2549-02	.3434-02	.3507	3.351	571.1
475	.75000	.40000	267.00	.2128-01	.2761-01	.2761-01	.9500	.1134-02	.1472-02	.1751	1.552	554.3
475	.75000	.60000	268.00	.1203-01	.1556-01	.1555-01	.9500	.6409-03	.8291-03	.1001	1.009	552.5

WING UPPER SURF

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
466	3.519	3.010	-.1800-01	.0000	33.98	709.7	252.4	.9113	5.779	2344.	.9746-02	.2018-08

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
466	.5331-01	.9698-02

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
466	.40000	.50000-01	246.00	.2725-01	.3650-01	.3650-01	.9500	.1453-02	.1946-02	.2034	1.863	569.7
466	.40000	.20000	247.00	.3853-01	.5065-01	.5065-01	.9500	.2054-02	.2700-02	.3046	2.403	561.4
466	.40000	.60000	249.00	.4572-02	.5754-02	.5754-02	.9500	.2437-03	.3068-03	.4209-01	.4705	537.0
466	.40000	.75000	250.00	.7023-02	.8782-02	.8782-02	.9500	.3744-03	.4682-03	.6634-01	.4955	532.5
466	.40000	.80000	251.00	.1468-01	.1829-01	.1829-01	.9500	.7825-03	.9752-03	.1405	1.087	530.1
466	.40000	.95000	252.00	.1669-01	.2124-01	.2124-01	.9500	.8899-03	.1132-02	.1474	1.313	544.1
466	.60000	.25000-01	253.00	.1785-01	.3158-01	.3158-01	.9500	.9517-03	.1683-02	.7770-01	1.845	628.0
466	.60000	.50000-01	254.00	.2353-01	.3985-01	.3985-01	.9500	.1255-02	.2124-02	.1087	2.117	623.0
466	.60000	.10000+00	255.00	.7270-01	.1087	.1087	.9500	.3876-02	.5795-02	.4153	4.279	602.5
466	.60000	.20000	256.00	.5282-01	.7025-01	.7025-01	.9500	.2816-02	.3745-02	.4026	3.548	566.7
466	.60000	.40000	257.00	.1731-01	.2198-01	.2198-01	.9500	.9229-03	.1172-02	.1543	1.274	542.5
466	.60000	.60000	258.00	.1354-01	.1709-01	.1709-01	.9500	.7219-03	.9110-03	.1234	1.149	538.7
466	.60000	.75000	259.00	.1440-01	.1794-01	.1794-01	.9500	.7676-03	.9566-03	.1379	1.237	530.1
466	.60000	.85000	260.00	.3073-01	.3898-01	.3898-01	.9500	.1638-02	.2078-02	.2747	2.269	542.0
466	.60000	.95000	261.00	.3049-01	.3910-01	.3910-01	.9500	.1626-02	.2085-02	.2620	2.911	548.5
466	.70000	.20000	262.00	.4383-01	.5774-01	.5774-01	.9500	.2337-02	.3078-02	.3443	3.166	562.4
466	.70000	.40000	263.00	.3105-01	.3977-01	.3977-01	.9500	.1655-02	.2120-02	.2678	2.382	547.9
466	.70000	.90000	264.00	.4799-01	.6166-01	.6166-01	.9500	.2558-02	.3287-02	.4095	3.249	549.6
466	.75000	.10000+00	265.00	.8794-01	.1246	.1246	.9500	.4688-02	.6642-02	.5656	5.357	589.0
466	.75000	.20000	266.00	.6232-01	.8277-01	.8277-01	.9500	.3323-02	.4413-02	.4772	4.571	566.0
466	.75000	.40000	267.00	.3774-01	.4839-01	.4839-01	.9500	.2012-02	.2580-02	.3242	2.883	548.5

IH102 60-OTS WING UPPER SURFACE (R4WR39)

WING UPPER SURF

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
495	1.043	3.010	.3200-01	.1117-04	9.907	701.7	249.5	.2657	1.685	2331.	.2874-02	.1997-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
495	.2873-01	.1783-01

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
495	.40000	.50000-01	246.00	.2768-01	.3545-01	.3545-01	.9500	.7954-03	.1019-02	.1273	1.184	541.6
495	.40000	.20000	247.00	.1791-01	.2266-01	.2266-01	.9500	.5147-03	.6509-03	.8627-01	.6899	534.0
495	.40000	.75000	250.00	.2613-02	.3233-02	.3233-02	.9500	.7507-04	.9289-04	.1373-01	.1033	518.8
495	.40000	.80000	251.00	.5113-02	.6296-02	.6296-02	.9500	.1469-03	.1809-03	.2742-01	.2138	515.0
495	.40000	.95000	252.00	.1493-01	.1871-01	.1871-01	.9500	.4289-03	.5376-03	.7443-01	.6687	528.1
495	.60000	.25000-01	253.00	.3232-01	.4582-01	.4582-01	.9500	.9285-03	.1316-02	.1105	2.684	582.6
495	.60000	.50000-01	254.00	.3804-01	.5205-01	.5205-01	.9500	.1093-02	.1496-02	.1424	2.845	571.4
495	.60000	.10000+00	255.00	.6223-01	.8125-01	.8125-01	.9500	.1788-02	.2334-02	.2681	2.833	551.7
495	.60000	.20000	256.00	.2737-01	.3448-01	.3448-01	.9500	.7865-03	.9905-03	.1340	1.202	531.3
495	.60000	.40000	257.00	.4226-02	.5245-02	.5245-02	.9500	.1214-03	.1507-03	.2193-01	.1831	521.1
495	.60000	.75000	259.00	.3173-02	.3913-02	.3913-02	.9500	.9117-04	.1124-03	.1693-01	.1530	516.0
495	.60000	.85000	260.00	.4771-02	.5930-02	.5930-02	.9500	.1371-03	.1704-03	.2461-01	.2053	522.1
495	.60000	.95000	261.00	.1706-01	.2142-01	.2142-01	.9500	.4902-03	.6154-03	.8456-01	.9490	529.2
495	.70000	.20000	262.00	.4012-01	.5073-01	.5073-01	.9500	.1153-02	.1457-02	.1933	1.804	534.0
495	.70000	.40000	263.00	.1250-01	.1559-01	.1559-01	.9500	.3592-03	.4479-03	.6363-01	.5727	524.5
495	.70000	.90000	264.00	.2084-01	.2610-01	.2610-01	.9500	.5989-03	.7497-03	.1044	.8378	527.3
495	.75000	.10000+00	265.00	.1055	.1386	.1386	.9500	.3030-02	.3981-02	.4449	4.286	554.8
495	.75000	.20000	266.00	.5438-01	.6919-01	.6919-01	.9500	.1562-02	.1988-02	.2561	2.489	537.7
495	.75000	.40000	267.00	.1860-01	.2327-01	.2327-01	.9500	.5345-03	.6686-03	.9346-01	.8402	526.8
495	.75000	.60000	268.00	.8028-02	.1001-01	.1001-01	.9500	.2306-03	.2875-03	.4089-01	.4182	524.4
495	.75000	.80000	269.00	.2004-02	.2494-02	.2494-02	.9500	.5758+04	.7166-04	.1028-01	.9646-01	523.1

IH102 60-OTS WING UPPER SURFACE (R4WR39)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
495	.75000	.90000	270.00	.1282-01	.1607-01	.1607-01	.9500	.3683-03	.4617-03	.6394-01	.5128	528.1
495	.80000	.90000	271.00	.1127-01	.1414-01	.1414-01	.9500	.3239-03	.4063-03	.5603-01	.4338	528.7
495	.90000	.20000	272.00	.7451-01	.9579-01	.9579-01	.9500	.2141-02	.2752-02	.3381	3.013	543.7
495	.90000	.40000	273.00	.3680-01	.4641-01	.4641-01	.9500	.1057-02	.1333-02	.1792	1.606	532.2
495	.90000	.60000	274.00	.2166-01	.2718-01	.2718-01	.9500	.6224-03	.7807-03	.1077	.8059	528.7
495	.95000	.20000	275.00	.7164-01	.9258-01	.9258-01	.9500	.2058-02	.2660-02	.3193	3.088	546.6
495	.95000	.40000	276.00	.5727-01	.7372-01	.7372-01	.9500	.1645-02	.2118-02	.2587	1.921	544.4
495	.95000	.50000	277.00	.2788-01	.3547-01	.3547-01	.9500	.8010-03	.1019-02	.1313	1.174	537.7
495	.95000	.70000	278.00	.2598-01	.3264-01	.3264-01	.9500	.7463-03	.9377-03	.1283	1.028	529.8
495	.95000	.80000	279.00	.2664-01	.3358-01	.3358-01	.9500	.7654-03	.9647-03	.1300	1.005	531.8
495	.95000	.90000	280.00	.2053-01	.2595-01	.2595-01	.9500	.5898-03	.7456-03	.9899-01	.7917	533.8

WING UPPER SURF

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
466	3.519	3.010	-.1800-01	.0000	33.98	709.7	252.4	.9113	5.779	2344.	.9746-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
466	.5331-01	.9698-02

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
466	.40000	.50000-01	246.00	.2725-01	.3650-01	.3650-01	.9500	.1453-02	.1946-02	.2034	1.863	569.7
466	.40000	.20000	247.00	.3853-01	.5065-01	.5065-01	.9500	.2054-02	.2700-02	.3046	2.403	561.4
466	.40000	.60000	249.00	.4572-02	.5754-02	.5754-02	.9500	.2437-03	.3068-03	.4209-01	.4705	537.0
466	.40000	.75000	250.00	.7023-02	.8782-02	.8782-02	.9500	.3744-03	.4682-03	.6634-01	.4955	532.5
466	.40000	.80000	251.00	.1468-01	.1829-01	.1829-01	.9500	.7825-03	.9752-03	.1405	1.087	530.1
466	.40000	.95000	252.00	.1669-01	.2124-01	.2124-01	.9500	.8899-03	.1132-02	.1474	1.313	544.1
466	.60000	.25000-01	253.00	.1785-01	.3158-01	.3158-01	.9500	.9517-03	.1683-02	.7770-01	1.845	628.0
466	.60000	.50000-01	254.00	.2353-01	.3985-01	.3985-01	.9500	.1255-02	.2124-02	.1087	2.117	623.0
466	.60000	.10000+00	255.00	.7270-01	.1087	.1087	.9500	.3876-02	.5795-02	.4153	4.279	602.5
466	.60000	.20000	256.00	.5282-01	.7025-01	.7025-01	.9500	.2816-02	.3745-02	.4026	3.548	566.7
466	.60000	.40000	257.00	.1731-01	.2198-01	.2198-01	.9500	.9229-03	.1172-02	.1543	1.274	542.5
466	.60000	.60000	258.00	.1354-01	.1709-01	.1709-01	.9500	.7219-03	.9110-03	.1234	1.149	538.7
466	.60000	.75000	259.00	.1440-01	.1794-01	.1794-01	.9500	.7676-03	.9566-03	.1379	1.237	530.1
466	.60000	.85000	260.00	.3073-01	.3898-01	.3898-01	.9500	.1638-02	.2078-02	.2747	2.269	542.0
466	.60000	.95000	261.00	.3049-01	.3910-01	.3910-01	.9500	.1626-02	.2085-02	.2620	2.911	548.5
466	.70000	.20000	262.00	.4383-01	.5774-01	.5774-01	.9500	.2337-02	.3078-02	.3443	3.166	562.4
466	.70000	.40000	263.00	.3105-01	.3977-01	.3977-01	.9500	.1655-02	.2120-02	.2678	2.382	547.9
466	.70000	.90000	264.00	.4799-01	.6166-01	.6166-01	.9500	.2558-02	.3287-02	.4095	3.249	549.6
466	.75000	.10000+00	265.00	.8794-01	.1246	.1246	.9500	.4688-02	.6642-02	.5656	5.357	589.0
466	.75000	.20000	266.00	.6232-01	.8277-01	.8277-01	.9500	.3323-02	.4413-02	.4772	4.571	566.0
466	.75000	.40000	267.00	.3774-01	.4839-01	.4839-01	.9500	.2012-02	.2580-02	.3242	2.883	548.5

IH102 60-OTS WING UPPER SURFACE

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
466	.75000	.60000	268.00	.2619-01	.3341-01	.3341-01	.9500	.1396-02	.1781-02	.2291	2.319	545.5
466	.75000	.80000	269.00	.4013-01	.5164-01	.5164-01	.9500	.2140-02	.2753-02	.3408	3.153	550.4
466	.75000	.90000	270.00	.5451-01	.7082-01	.7082-01	.9500	.2906-02	.3776-02	.4476	3.540	555.7
466	.80000	.90000	271.00	.5304-01	.6895-01	.6895-01	.9500	.2828-02	.3676-02	.4347	3.320	555.9
466	.90000	.20000	272.00	.7110-01	.9525-01	.9525-01	.9500	.3790-02	.5078-02	.5304	4.666	569.7
466	.90000	.40000	273.00	.4041-01	.5176-01	.5176-01	.9500	.2154-02	.2760-02	.3484	3.098	548.0
466	.90000	.60000	274.00	.3008-01	.3793-01	.3793-01	.9500	.1603-02	.2022-02	.2747	2.046	538.3
466	.95000	.20000	275.00	.6473-01	.8684-01	.8684-01	.9500	.3451-02	.4630-02	.4810	4.598	570.3
466	.95000	.40000	276.00	.5199-01	.6762-01	.6762-01	.9500	.2772-02	.3605-02	.4256	3.141	556.1
466	.95000	.50000	277.00	.3304-01	.4225-01	.4225-01	.9500	.1761-02	.2253-02	.2866	2.550	546.9
466	.95000	.70000	278.00	.3451-01	.4391-01	.4391-01	.9500	.1840-02	.2341-02	.3048	2.426	544.0
466	.95000	.80000	279.00	.3346-01	.4281-01	.4281-01	.9500	.1784-02	.2282-02	.2899	2.223	547.2
466	.95000	.90000	280.00	.3199-01	.4120-01	.4120-01	.9500	.1706-02	.2197-02	.2708	2.147	550.9

IH102 60-OTS WING UPPER SURFACE (R4WR40)

WING UPPER SURF

PARAMETRIC DATA

MACH = 3.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
469	3.507	3.010	4.964	.1731-02	33.87	709.7	252.4	.9082	5.760	2344.	.9713-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
469	.5322-01	.9714-02

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QC? BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
469	.40000	.50000-01	246.00	.3248-01	.4367-01	.4367-01	.9500	.1728-02	.2324-02	.2392	2.191	571.3
469	.40000	.20000	247.00	.2952-01	.3866-01	.3866-01	.9500	.1571-02	.2058-02	.2359	1.862	559.6
469	.40000	.75000	250.00	.3605-02	.4513-02	.4513-02	.9500	.1919-03	.2402-03	.3385-01	.2527	533.3
469	.40000	.80000	251.00	.4101-02	.5093-02	.5093-02	.9500	.2183-03	.2710-03	.3979-01	.3083	527.4
469	.40000	.95000	252.00	.1511-01	.1916-01	.1916-01	.9500	.8039-03	.1020-02	.1349	1.203	541.9
469	.60000	.25000-01	253.00	.1717-01	.3119-01	.3119-01	.9500	.9141-03	.1660-02	.7218-01	1.712	630.7
469	.60000	.50000-01	254.00	.2986-01	.5078-01	.5078-01	.9500	.1589-02	.2703-02	.1369	2.665	623.6
469	.60000	.10000+00	255.00	.6805-01	.1012	.1012	.9500	.3622-02	.5384-02	.3927	4.049	601.3
469	.60000	.20000	256.00	.4213-01	.5582-01	.5582-01	.9500	.2242-02	.2971-02	.3243	2.860	565.0
469	.60000	.40000	257.00	.1025-01	.1304-01	.1304-01	.9500	.5454-03	.6938-03	.9051-01	.7469	543.7
469	.60000	.60000	258.00	.8064-02	.1019-01	.1019-01	.9500	.4292-03	.5424-03	.7293-01	.6784	539.7
469	.60000	.75000	259.00	.9373-02	.1171-01	.1171-01	.9500	.4989-03	.6232-03	.8872-01	.7956	531.8
469	.60000	.85000	260.00	.2257-01	.2860-01	.2860-01	.9500	.1201-02	.1522-02	.2023	1.671	541.3
469	.60000	.95000	261.00	.2982-01	.3823-01	.3823-01	.9500	.1587-02	.2035-02	.2559	2.844	548.4
469	.70000	.20000	262.00	.4100-01	.5344-01	.5344-01	.9500	.2182-02	.2844-02	.3327	3.068	557.2
469	.70000	.40000	263.00	.1951-01	.2480-01	.2480-01	.9500	.1039-02	.1320-02	.1728	1.541	543.3
469	.70000	.90000	264.00	.4531-01	.5832-01	.5832-01	.9500	.2411-02	.3104-02	.3834	3.041	550.7
469	.75000	.10000+00	265.00	.8051-01	.1135	.1135	.9500	.4285-02	.6042-02	.5229	4.956	587.6
469	.75000	.20000	266.00	.5546-01	.7327-01	.7327-01	.9500	.2952-02	.3900-02	.4308	4.131	563.7
469	.75000	.40000	267.00	.2536-01	.3236-01	.3236-01	.9500	.1350-02	.1722-02	.2215	1.972	545.6
469	.75000	.60000	268.00	.1375-01	.1747-01	.1747-01	.9500	.7320-03	.9300-03	.1219	1.235	543.1

IH102 60-OTS WING UPPER SURFACE (R4WR40)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
469	.75000	.80000	269.00	.1152-01	.1465-01	.1465-01	.9500	.6133-03	.7795-03	.1020	.9476	543.3
469	.75000	.90000	270.00	.3767-01	.4869-01	.4869-01	.9500	.2005-02	.2591-02	.3143	2.489	552.9
469	.80000	.90000	271.00	.2720-01	.3496-01	.3496-01	.9500	.1448-02	.1861-02	.2314	1.772	549.8
469	.90000	.20000	272.00	.6967-01	.9341-01	.9341-01	.9500	.3708-02	.4971-02	.5179	4.555	570.0
469	.90000	.40000	273.00	.4129-01	.5342-01	.5342-01	.9500	.2198-02	.2843-02	.3435	3.047	553.4
469	.90000	.60000	274.00	.3464-01	.4440-01	.4440-01	.9500	.1844-02	.2363-02	.2975	2.205	548.3
469	.95000	.20000	275.00	.6794-01	.9217-01	.9217-01	.9500	.3616-02	.4906-02	.4880	4.655	574.7
469	.95000	.40000	276.00	.7799-01	.1079	.1079	.9500	.4151-02	.5745-02	.5309	3.868	581.8
469	.95000	.50000	277.00	.4772-01	.6411-01	.6411-01	.9500	.2540-02	.3412-02	.3524	3.098	570.9
469	.95000	.70000	278.00	.4132-01	.5381-01	.5381-01	.9500	.2199-02	.2864-02	.3362	2.658	556.8
469	.95000	.80000	279.00	.4044-01	.5241-01	.5241-01	.9500	.2152-02	.2789-02	.3345	2.556	554.3
469	.95000	.90000	280.00	.3637-01	.4755-01	.4755-01	.9500	.1936-02	.2531-02	.2920	2.306	558.8

IH102 60-OTS WING UPPER SURFACE (R4WR41)

WING UPPER SURF

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
511	3.507	4.020	-5.014	-11.00	57.80	709.7	167.7	.3706	4.193	2552.	.5966-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
511	.4544-01	.1240-01

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
511	.40000	.50000-01	246.00	.1146-01	.1432-01	.1432-01	.9500	.5206-03	.6508-03	.9230-01	.8618	532.4
511	.40000	.20000	247.00	.1851-01	.2321-01	.2321-01	.9500	.8410-03	.1055-02	.1473	1.177	534.5
511	.40000	.60000	249.00	.9908-03	.1218-02	.1218-02	.9500	.4502-04	.5533-04	.8575-02	.9673-01	519.2
511	.40000	.75000	250.00	.4745-02	.5778-02	.5778-02	.9500	.2156-03	.2626-03	.4279-01	.3231	511.2
511	.40000	.80000	251.00	.7102-02	.8650-02	.8650-02	.9500	.3227-03	.3931-03	.6395-01	.4995	511.5
511	.40000	.95000	252.00	.3604-01	.4529-01	.4529-01	.9500	.1637-02	.2058-02	.2842	2.543	536.1
511	.60000	.20000	256.00	.4234-02	.5289-02	.5289-02	.9500	.1924-03	.2403-03	.3423-01	.3069	531.8
511	.60000	.95000	261.00	.7988-03	.9888-03	.9888-03	.9500	.3630-04	.4493-04	.6703-02	.7539-01	525.0
511	.70000	.20000	262.00	.1384-01	.1752-01	.1752-01	.9500	.6291-03	.7960-03	.1065	.9900	540.5
511	.70000	.40000	263.00	.3151-02	.3893-02	.3893-02	.9500	.1432-03	.1769-03	.2665-01	.2400	523.5
511	.70000	.90000	264.00	.6642-02	.8228-02	.8228-02	.9500	.3018-03	.3739-03	.5558-01	.4464	525.5
511	.75000	.10000+00	265.00	.4707-01	.6264-01	.6264-01	.9500	.2139-02	.2846-02	.3053	2.923	566.9
511	.75000	.20000	266.00	.2847-01	.3639-01	.3639-01	.9500	.1294-02	.1654-02	.2109	2.040	546.6
511	.75000	.40000	267.00	.8957-02	.1114-01	.1114-01	.9500	.4070-03	.5064-03	.7356-01	.6606	528.9
511	.90000	.20000	272.00	.3793-01	.4889-01	.4889-01	.9500	.1723-02	.2221-02	.2728	2.422	551.4
511	.90000	.40000	273.00	.1872-01	.2355-01	.2355-01	.9500	.8505-03	.1070-02	.1471	1.316	536.7
511	.90000	.60000	274.00	.8100-02	.1011-01	.1011-01	.9500	.3681-03	.4594-03	.6568-01	.4909	531.2
511	.95000	.20000	275.00	.2857-01	.3666-01	.3666-01	.9500	.1298-02	.1666-02	.2088	2.017	548.9
511	.95000	.40000	276.00	.2562-01	.3245-01	.3245-01	.9500	.1164-02	.1475-02	.1963	1.460	541.1
511	.95000	.50000	277.00	.1548-01	.1945-01	.1945-01	.9500	.7036-03	.8840-03	.1223	1.095	535.8
511	.95000	.70000	278.00	.9707-02	.1217-01	.1217-01	.9500	.4411-03	.5530-03	.7736-01	.6186	534.3

IH102 60-OTS WING UPPER SURFACE (R4WR41)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
511	.95000	.80000	279.00	.7714-02	.9699-02	.9699-02	.9500	.3505-03	.4407-03	.6076-01	.4686	536.3
511	.95000	.90000	280.00	.7303-02	.9213-02	.9213-02	.9500	.3318-03	.4186-03	.5679-01	.4531	538.5

IH102 60-OTS WING UPPER SUFFACE (R4WR42)

WING UPPER SURF

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
520	1.025	4.020	-5.002	-5.969	16.96	711.7	168.2	.1088	1.231	2556.	.1746-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
520	.2463-01	.2294-01

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
520	.40000	.50000-01	246.00	.5426-02	.6713-02	.6713-02	.9500	.1336-03	.1653-03	.2480-01	.2323	526.1
520	.40000	.20000	247.00	.3002-02	.3704-02	.3704-02	.9500	.7394-04	.9122-04	.1389-01	.1116	523.9
520	.40000	.95000	252.00	.8719-02	.1062-01	.1062-01	.9500	.2148-03	.2616-03	.4268-01	.3864	512.9
520	.60000	.25000-01	253.00	.4207-01	.5588-01	.5588-01	.9500	.1036-02	.1376-02	.1491	3.648	567.7
520	.60000	.50000-01	254.00	.4588-01	.5964-01	.5964-01	.9500	.1130-02	.1469-02	.1743	3.506	557.4
520	.60000	.10000+00	255.00	.6435-01	.8098-01	.8098-01	.9500	.1585-02	.1994-02	.2746	2.921	538.4
520	.60000	.20000	256.00	.2115-01	.2602-01	.2602-01	.9500	.5209-03	.6410-03	.9894-01	.8918	521.7
520	.70000	.20000	262.00	.3190-01	.3931-01	.3931-01	.9500	.7856-03	.9683-03	.1482	1.390	523.0
520	.70000	.40000	263.00	.9252-02	.1129-01	.1129-01	.9500	.2279-03	.2781-03	.4494-01	.4065	514.5
520	.70000	.90000	264.00	.1133-01	.1389-01	.1389-01	.9500	.2792-03	.3422-03	.5395-01	.4349	518.4
520	.75000	.10000+00	265.00	.9859-01	.1239	.1239	.9500	.2428-02	.3051-02	.4231	4.112	537.4
520	.75000	.20000	266.00	.4575-01	.5659-01	.5659-01	.9500	.1127-02	.1394-02	.2094	2.047	525.8
520	.75000	.40000	267.00	.1594-01	.1951-01	.1951-01	.9500	.3925-03	.4805-03	.7626-01	.6888	517.4
520	.75000	.60000	268.00	.6305-02	.7703-02	.7703-02	.9500	.1553-03	.1897-03	.3045-01	.3129	515.6
520	.75000	.80000	269.00	.2683-02	.3288-02	.3288-02	.9500	.6608-04	.8097-04	.1279-01	.1202	518.2
520	.75000	.90000	270.00	.6200-02	.7628-02	.7628-02	.9500	.1527-03	.1879-03	.2902-01	.2336	521.6
520	.80000	.90000	271.00	.9588-02	.1182-01	.1182-01	.9500	.2362-03	.2912-03	.4446-01	.3452	523.4
520	.90000	.20000	272.00	.6276-01	.7808-01	.7808-01	.9500	.1546-02	.1923-02	.2803	2.515	530.3
520	.90000	.40000	273.00	.2792-01	.3442-01	.3442-01	.9500	.6876-03	.8478-03	.1294	1.166	523.4
520	.90000	.60000	274.00	.1262-01	.1552-01	.1552-01	.9500	.3109-03	.3824-03	.5924-01	.4451	521.1
520	.95000	.20000	275.00	.5100-01	.6352-01	.6352-01	.9500	.1256-02	.1564-02	.2868	2.211	531.1

IH102 60-OTS WING UPPER SURFACE (R4WR42)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
520	.95000	.40000	276.00	.4076-01	.5053-01	.5053-01	.9500	.1004-02	.1245-02	.1848	1.383	527.6
520	.95000	.50000	277.00	.2276-01	.2812-01	.2812-01	.9500	.5607-03	.6926-03	.1047	.9424	524.9
520	.95000	.70000	278.00	.2224-01	.2747-01	.2747-01	.9500	.5479-03	.6765-03	.1025	.8237	524.6
520	.95000	.80000	279.00	.2085-01	.2582-01	.2582-01	.9500	.5135-03	.6359-03	.9493-01	.7357	526.8
520	.95000	.90000	280.00	.1716-01	.2128-01	.2128-01	.9500	.4227-03	.5242-03	.7765-01	.6229	528.0

IH102 60-OTS WING UPPER SURFACE (R4WR42)

WING UPPER SURF

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
460	3.526	4.020	-4.966	-5.970	57.99	708.7	167.5	.3719	4.207	2550.	.5994-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
460	.4551-01	.1237-01

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
460	.40000	.50000-01	246.00	.4094-02	.5192-02	.5192-02	.9500	.1863-03	.2362-03	.3124-01	.2904	541.0
460	.40000	.75000	250.00	.1412-02	.1741-02	.1741-02	.9500	.6427-04	.7923-04	.1206-01	.9061-01	521.0
460	.40000	.80000	251.00	.6581-02	.8100-02	.8100-02	.9500	.2995-03	.3686-03	.5660-01	.4402	519.7
460	.40000	.95000	252.00	.1762-01	.2218-01	.2218-01	.9500	.8018-03	.1009-02	.1383	1.237	536.2
460	.60000	.25000-01	253.00	.4035-02	.6420-02	.6420-02	.9500	.1859-03	.2921-03	.1811-01	.4336	611.2
460	.60000	.50000-01	254.00	.2933-02	.4454-02	.4454-02	.9500	.1334-03	.2027-03	.1384-01	.2719	605.0
460	.60000	.10000+00	255.00	.2479-01	.3487-01	.3487-01	.9500	.1128-02	.1587-02	.1384	1.437	586.0
460	.60000	.20000	256.00	.1732-01	.2244-01	.2244-01	.9500	.7883-03	.1021-02	.1225	1.087	553.2
460	.60000	.75000	259.00	.8003-03	.9850-03	.9860-03	.9500	.3642-04	.4487-04	.6849-02	.6177-01	520.6
460	.60000	.85000	260.00	.4994-02	.6226-02	.6226-02	.9500	.2272-03	.2833-03	.4067-01	.3381	529.7
460	.60000	.95000	261.00	.1413-01	.1785-01	.1785-01	.9500	.6430-03	.8121-03	.1094	1.222	538.5
460	.70000	.20000	262.00	.2234-01	.2914-01	.2914-01	.9500	.1017-02	.1326-02	.1544	1.424	556.8
460	.70000	.40000	263.00	.1257-01	.1592-01	.1592-01	.9500	.5720-03	.7244-03	.9637-01	.8605	540.2
460	.70000	.90000	264.00	.2099-01	.2657-01	.2657-01	.9500	.9550-03	.1209-02	.1612	1.285	539.9
460	.75000	.10000+00	265.00	.5023-01	.7037-01	.7037-01	.9500	.2286-02	.3202-02	.2830	2.685	584.9
460	.75000	.20000	266.00	.3796-01	.5022-01	.5022-01	.9500	.1727-02	.2285-02	.2507	2.404	563.6
460	.75000	.40000	267.00	.1917-01	.2443-01	.2443-01	.9500	.8723-03	.1112-02	.1436	1.280	544.1
460	.75000	.60000	268.00	.9363-02	.1188-01	.1188-01	.9500	.4260-03	.5406-03	.7121-01	.7221	541.5
460	.75000	.80000	269.00	.9550-02	.1218-01	.1218-01	.9500	.4346-03	.5541-03	.7138-01	.6625	544.4
460	.75000	90000	270.00	.2426-01	.3109-01	.3109-01	.9500	.1104-02	.1415-02	.1780	1.414	547.4
460	.80000	.90000	271.00	.2368-01	.3039-01	.3039-01	.9500	.1077-02	.1383-02	.1727	1.324	548.4

IH102 60-OTS WING UPPER SURFACE (R4WR42)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
460	.90000	.20000	272.00	.4359-01	.5798-01	.5798-01	.9500	.1984-02	.2638-02	.2832	2.496	565.9
460	.90000	.40000	273.00	.2422-01	.3118-01	.3118-01	.9500	.1102-02	.1419-02	.1750	1.554	549.9
460	.90000	.60000	274.00	.1036-01	.1319-01	.1319-01	.9500	.4713-03	.6002-03	.7774-01	.5774	543.7
460	.95000	.20000	275.00	.3750-01	.4955-01	.4955-01	.9500	.1706-02	.2255-02	.2484	2.384	563.1
460	.95000	.40000	276.00	.2631-01	.3440-01	.3440-01	.9500	.1197-02	.1565-02	.1806	1.332	557.9
460	.95000	.50000	277.00	.1564-01	.2020-01	.2020-01	.9500	.7117-03	.9191-03	.1118	.9921	551.6
460	.95000	.70000	278.00	.1953-01	.2509-01	.2509-01	.9500	.8889-03	.1142-02	.1421	1.128	548.8
460	.95000	.80000	279.00	.1908-01	.2459-01	.2459-01	.9500	.8684-03	.1119-02	.1375	1.053	550.4
460	.95000	.90000	280.00	.1676-01	.2167-01	.2167-01	.9500	.7627-03	.9862-03	.1193	.9451	552.3

IH102 60-OTS WING UPPER SURFACE (R4WR43)

WING UPPER SURF

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
517	1.032	4.020	-4.920	-.1715-02	16.97	708.7	167.5	.1088	1.231	2550.	.1754-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
517	.2462-01	.2287-01

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
517	.40000	.50000-01	246.00	.2988-01	.3721-01	.3721-01	.9500	.7355-03	.9160-03	.1323	1.237	528.8
517	.40000	.20000	247.00	.1738-01	.2154-01	.2154-01	.9500	.4278-03	.5301-03	.7855-01	.6311	525.1
517	.60000	.25000-01	253.00	.3906-01	.5244-01	.5244-01	.9500	.9614-03	.1291-02	.1335	3.262	569.8
517	.60000	.50000-01	254.00	.4375-01	.5736-01	.5736-01	.9500	.1077-02	.1412-02	.1608	3.231	559.4
517	.60000	.10000+00	255.00	.6428-01	.8149-01	.8149-01	.9500	.1582-02	.2006-02	.2654	2.820	540.9
517	.60000	.20000	256.00	.1794-01	.2222-01	.2222-01	.9500	.4416-03	.5469-03	.8129-01	.7316	524.6
517	.70000	.20000	262.00	.3528-01	.4392-01	.4392-01	.9500	.8685-03	.1081-02	.1564	1.463	528.6
517	.70000	.40000	263.00	.7597-02	.9362-02	.9362-02	.9500	.1870-03	.2304-03	.3515-01	.3169	520.7
517	.70000	.90000	264.00	.7092-02	.8761-02	.8761-02	.9500	.1746-03	.2157-03	.3246-01	.2611	522.7
517	.75000	.10000+00	265.00	.1187	.1518	.1518	.9500	.2923-02	.3737-02	.4754	4.600	546.0
517	.75000	.20000	266.00	.5388-01	.6748-01	.6748-01	.9500	.1326-02	.1661-02	.2331	2.271	532.9
517	.75000	.40000	267.00	.1850-01	.2291-01	.2291-01	.9500	.4555-03	.5639-03	.8394-01	.7555	524.4
517	.75000	.60000	268.00	.5860-02	.7236-02	.7236-02	.9500	.1442-03	.1781-03	.2687-01	.2751	522.4
517	.75000	.90000	270.00	.6090-02	.7568-02	.7568-02	.9500	.1499-03	.1863-03	.2720-01	.2183	527.2
517	.80000	.90000	271.00	.7940-02	.9877-02	.9877-02	.9500	.1954-03	.2431-03	.3532-01	.2736	528.0
517	.90000	.20000	272.00	.7920-01	.1002	.1002	.9500	.1949-02	.2467-02	.3292	2.940	539.8
517	.90000	.40000	273.00	.3417-01	.4263-01	.4263-01	.9500	.8411-03	.1049-02	.1502	1.348	530.1
517	.90000	.60000	274.00	.1307-01	.1624-01	.1624-01	.9500	.3217-03	.3997-03	.5844-01	.4378	527.0
517	.95000	.20000	275.00	.6604-01	.8365-01	.8365-01	.9500	.1626-02	.2059-02	.2736	2.655	540.3
517	.95000	.40000	276.00	.4913-01	.6171-01	.6171-01	.9500	.1209-02	.1519-02	.2102	1.568	534.9
517	.95000	.50000	277.00	.2611-01	.3260-01	.3260-01	.9500	.6427-03	.8024-03	.1144	1.026	530.7

IH102 60-OTS WING UPPER SURFACE (R4WR43)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
517	.95000	.70000	278.00	.3046-01	.3798-01	.3798-01	.9500	.7498-03	.9349-03	.1342	1.076	529.7
517	.95000	.80000	279.00	.2692-01	.3366-01	.3366-01	.9500	.6626-03	.8285-03	.1173	.9068	531.7
517	.95000	.90000	280.00	.2336-01	.2922-01	.2922-01	.9500	.5749-03	.7194-03	.1015	.8123	532.2

IH102 60-OTS WING UPPER SURFACE (R4WR43)

WING UPPER SURF

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
451	3.519	4.020	-4.934	.0000	57.88	708.7	167.5	.3712	4.199	2550.	.5983-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
451	.4546-01	.1238-01

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
451	.40000	.50000-01	246.00	.3248-01	.4248-01	.4248-01	.9500	.1477-02	.1931-02	.2222	2.048	558.2
451	.40000	.20000	247.00	.3752-01	.4843-01	.4843-01	.9500	.1706-02	.2202-02	.2684	2.128	551.3
451	.40000	.60000	249.00	.6651-03	.8275-03	.8275-03	.9500	.3024-04	.3762-04	.5459-02	.6130-01	528.1
451	.40000	.75000	250.00	.2501-02	.3096-02	.3096-02	.9500	.1137-03	.1408-03	.2097-01	.1573	524.3
451	.40000	.80000	251.00	.5418-02	.6684-02	.6684-02	.9500	.2463-03	.3039-03	.4606-01	.3579	521.7
451	.40000	.95000	252.00	.1145-01	.1438-01	.1438-01	.9500	.5206-03	.6540-03	.9048-01	.8100	534.9
451	.60000	.25000-01	253.00	.2876-01	.5135-01	.5135-01	.9500	.1353-02	.2335-02	.1140	2.711	624.4
451	.60000	.50000-01	254.00	.3869-01	.6267-01	.6267-01	.9500	.1759-02	.2849-02	.1629	3.184	616.1
451	.60000	.10000+00	255.00	.8466-01	.1211	.1211	.9500	.3849-02	.5507-02	.4529	4.694	591.0
451	.60000	.20000	256.00	.5461-01	.7147-01	.7147-01	.9500	.2483-02	.3249-02	.3728	3.298	558.5
451	.60000	.40000	257.00	.1442-01	.1819-01	.1819-01	.9500	.6555-03	.8270-03	.1120	.9271	537.8
451	.60000	.60000	258.00	.8691-02	.1087-01	.1087-01	.9500	.3951-03	.4943-03	.6981-01	.6519	532.0
451	.60000	.75000	259.00	.9133-02	.1133-01	.1133-01	.9500	.4152-03	.5153-03	.7579-01	.6815	526.2
451	.60000	.85000	260.00	.1938-01	.2431-01	.2431-01	.9500	.8810-03	.1105-02	.1538	1.275	534.1
451	.60000	.95000	261.00	.1779-01	.2252-01	.2252-01	.9500	.8087-03	.1024-02	.1364	1.523	540.0
451	.70000	.20000	262.00	.5118-01	.6649-01	.6649-01	.9500	.2327-02	.3023-02	.3580	3.305	554.8
451	.70000	.40000	263.00	.3487-01	.4448-01	.4448-01	.9500	.1585-02	.2022-02	.2599	2.315	544.7
451	.70000	.90000	264.00	.3358-01	.4288-01	.4288-01	.9500	.1527-02	.1949-02	.2494	1.983	545.3
451	.75000	.10000+00	265.00	.9964-01	.1375	.1375	.9500	.4530-02	.6249-02	.5835	5.551	579.9
451	.75000	.20000	266.00	.7193-01	.9460-01	.9460-01	.9500	.3270-02	.4301-02	.4834	4.643	560.8
451	.75000	.40000	267.00	.5012-01	.6448-01	.6448-01	.9500	.2279-02	.2932-02	.3626	3.222	549.6

IH102 60-OTS WING UPPER SURFACE (R4WR43)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
451	.75000	.60000	268.00	.3028-01	.3879-01	.3879-01	.9500	.1377-02	.1763-02	.2224	2.248	547.1
451	.75000	.80000	269.00	.3863-01	.4981-01	.4981-01	.9500	.1756-02	.2265-02	.2773	2.566	550.8
451	.75000	.90000	270.00	.4588-01	.5930-01	.5930-01	.9500	.2086-02	.2696-02	.3266	2.583	552.1
451	.80000	.90000	271.00	.4664-01	.6039-01	.6039-01	.9500	.2121-02	.2745-02	.3301	2.525	553.0
451	.90000	.20000	272.00	.7372-01	.9771-01	.9771-01	.9500	.3351-02	.4442-02	.4835	4.265	564.4
451	.90000	.40000	273.00	.3853-01	.4956-01	.4956-01	.9500	.1752-02	.2253-02	.2790	2.479	549.4
451	.90000	.60000	274.00	.2350-01	.2995-01	.2995-01	.9500	.1068-02	.1362-02	.1759	1.306	544.1
451	.95000	.20000	275.00	.5794-01	.7694-01	.7694-01	.9500	.2634-02	.3498-02	.3779	3.621	565.2
451	.95000	.40000	276.00	.4446-01	.5814-01	.5814-01	.9500	.2021-02	.2643-02	.3043	2.244	558.1
451	.95000	.50000	277.00	.2517-01	.3250-01	.3250-01	.9500	.1144-02	.1478-02	.1797	1.596	551.6
451	.95000	.70000	278.00	.3306-01	.4252-01	.4252-01	.9500	.1503-02	.1933-02	.2393	1.899	549.5
451	.95000	.80000	279.00	.3104-01	.3999-01	.3999-01	.9500	.1411-02	.1818-02	.2233	1.710	550.4
451	.95000	.90000	280.00	.2626-01	.3387-01	.3387-01	.9500	.1194-02	.1540-02	.1882	1.492	551.1

IH102 60-OTS WING UPPER SURFACE (R4WR45)

WING UPPER SURF

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. F	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
503	3.489	4.020	-.1956-01	-11.07	57.75	711.7	168.2	.3703	4.189	2556.	.5944-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
503	.4544-01	.1243-01

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
503	.40000	.50000-01	246.00	.4050-02	.5008-02	.5008-02	.9500	.1841-03	.2276-03	.3423-01	.3207	525.7
503	.40000	.20000	247.00	.6266-02	.7858-02	.7858-02	.9500	.2848-03	.3571-03	.5002-01	.3996	536.0
503	.40000	.95000	252.00	.1579-01	.2011-01	.2011-01	.9500	.7178-03	.9140-03	.1190	1.059	545.9
503	.60000	.25000-01	253.00	.3106-02	.3964-02	.3964-02	.9500	.1412-03	.1801-03	.2322-01	.5739	547.2
503	.60000	.50000-01	254.00	.1857-02	.2361-02	.2361-02	.9500	.8440-04	.1073-03	.1408-01	.2851	544.8
503	.60000	.10000+00	255.00	.1814-02	.2286-02	.2286-02	.9500	.8242-04	.1039-03	.1419-01	.1509	539.5
503	.70000	.20000	262.00	.8823-02	.1110-01	.1110-01	.9500	.4009-03	.5043-03	.6960-01	.6481	538.1
503	.70000	.90000	264.00	.3514-02	.4460-02	.4460-02	.9500	.1597-03	.2027-03	.2679-01	.2132	543.9
503	.75000	.10000+00	265.00	.3805-01	.4918-01	.4918-01	.9500	.1729-02	.2235-02	.2718	2.618	554.5
503	.75000	.20000	266.00	.1778-01	.2256-01	.2256-01	.9500	.8078-03	.1025-02	.1356	1.314	543.8
503	.75000	.40000	267.00	.2206-02	.2774-02	.2774-02	.9500	.1002-03	.1261-03	.1742-01	.1558	537.9
503	.90000	.20000	272.00	.3169-01	.4070-01	.4070-01	.9500	.1440-02	.1850-02	.2316	2.056	550.9
503	.90000	.40000	273.00	.1202-01	.1524-01	.1524-01	.9500	.5463-03	.6926-03	.9201-01	.8203	543.2
503	.95000	.20000	275.00	.2353-01	.3015-01	.3015-01	.9500	.1069-02	.1370-02	.1733	1.674	549.6
503	.95000	.40000	276.00	.2087-01	.2655-01	.2655-01	.9500	.9482-03	.1207-02	.1576	1.169	545.5
503	.95000	.50000	277.00	.1031-01	.1309-01	.1309-01	.9500	.4686-03	.5947-03	.7866-01	.7011	543.8
503	.95000	.70000	278.00	.4850-02	.6163-02	.6163-02	.9500	.2204-03	.2801-03	.3683-01	.2929	544.6
503	.95000	.80000	279.00	.2397-02	.3059-02	.3059-02	.9500	.1089-03	.1390-03	.1792-01	.1374	547.2
503	.95000	.90000	280.00	.1630-02	.2092-02	.2092-02	.9500	.7409-04	.9507-04	.1195-01	.9478-01	550.4

IH102 60-OTS WING UPPER SURFACE (R4WR47)

WING UPPER SURF

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
457	3.525	4.020	-.2096-02	-5.982	57.97	708 7	167.5	.3718	4.206	2550.	.5993-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
457	.4550-01	.1237-01

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
457	.40000	.50000-01	246.00	.9391-02	.1171-01	.1171-01	.9500	.4273-03	.5330-03	.7635-01	.7138	530.0
457	.60000	.25000-01	253.00	.2357-01	.3274-01	.3274-01	.9500	.1072-02	.1490-02	.1356	3.294	582.2
457	.60000	.50000-01	254.00	.2526-01	.3419-01	.3419-01	.9500	.1149-02	.1556-02	.1560	3.113	573.0
457	.60000	.10000+00	255.00	.3842-01	.5005-01	.5005-01	.9500	.1748-02	.2277-02	.2666	2.811	556.2
457	.60000	.20000	256.00	.1431-01	.1799-01	.1799-01	.9500	.6509-03	.8185-03	.1126	1.008	535.6
457	.60000	.95000	261.00	.2873-02	.3622-02	.3622-02	.9500	.1307-03	.1648-03	.2241-01	.2505	537.2
457	.70000	.20000	262.00	.1896-01	.2398-01	.2398-01	.9500	.8625-03	.1091-02	.1458	1.356	539.7
457	.70000	.40000	263.00	.5482-02	.6841-02	.6841-02	.9500	.2494-03	.3113-03	.4450-01	.3994	530.3
457	.70000	.90000	264.00	.1249-01	.1575-01	.1575-01	.9500	.5685-03	.7167-03	.9743-01	.7778	537.3
457	.75000	.10000+00	265.00	.5794-01	.7663-01	.7663-01	.9500	.2636-02	.3487-02	.3830	3.674	563.4
457	.75000	.20000	266.00	.3227-01	.4129-01	.4129-01	.9500	.1468-02	.1879-02	.2381	2.303	546.5
457	.75000	.40000	267.00	.1131-01	.1422-01	.1422-01	.9500	.5148-03	.6472-03	.8919-01	.7982	535.4
457	.75000	.60000	268.00	.2868-02	.3603-02	.3603-02	.9500	.1305-03	.1639-03	.2269-01	.2308	534.8
457	.75000	.80000	269.00	.2201-02	.2774-02	.2774-02	.9500	.1001-03	.1262-03	.1716-01	.1599	537.3
457	.75000	.90000	270.00	.9992-02	.1274-01	.1274-01	.9500	.4546-03	.5796-03	.7471-01	.5943	544.3
457	.80000	.90000	271.00	.1226-01	.1562-01	.1562-01	.9500	.5578-03	.7107-03	.9185-01	.7056	544.0
457	.90000	.20000	272.00	.4474-01	.5805-01	.5805-01	.9500	.2036-02	.2641-02	.3145	2.788	554.2
457	.90000	.40000	273.00	.1980-01	.2508-01	.2508-01	.9500	.9009-03	.1141-02	.1517	1.354	540.3
457	.90000	.60000	274.00	.9620-02	.1211-01	.1211-01	.9500	.4377-03	.5510-03	.7541-01	.5622	536.4
457	.95000	.20000	275.00	.3998-01	.5180-01	.5130-01	.9500	.1819-02	.2357-02	.2825	2.724	553.4
457	.95000	.40000	276.00	.3906-01	.5022-01	.5022-01	.9500	.1777-02	.2285-02	.2833	2.098	549.3

IH102 60-OTS WING UPPER SURFACE (R4WR47)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
457	.95000	.50000	277.00	.1892-01	.2410-01	.2410-01	.9500	.8610-03	.1096-02	.1422	1.267	543.6
457	.95000	.70000	278.00	.1004-01	.1269-01	.1269-01	.9500	.4569-03	.5773-03	.7762-01	.6192	538.8
457	.95000	.80000	279.00	.8702-02	.1104-01	.1104-01	.9500	.3960-03	.5025-03	.6617-01	.5090	541.5
457	.95000	.90000	280.00	.7054-02	.8997-02	.8997-02	.9500	.3210-03	.4093-03	.5267-01	.4190	544.6

WING UPPER SURF

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
454	3.528	4.020	.1037-02	-2.968	58.02	708.7	167.5	.3721	4.209	2550.	.5997-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
454	.4552-01	.1237-01

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
454	.40000	.50000-01	246.00	.1442-01	.1818-01	.1818-01	.9500	.6566-03	.8275-03	.1126	1.049	537.2
454	.40000	.20000	247.00	.6684-02	.8425-02	.8425-02	.9500	.3042-03	.3835-03	.5214-01	.4163	537.3
454	.60000	.25000-01	253.00	.2549-01	.3695-01	.3695-01	.9500	.1160-02	.1682-02	.1325	3.198	594.5
454	.60000	.50000-01	254.00	.2946-01	.4174-01	.4174-01	.9500	.1341-02	.1900-02	.1614	3.198	588.3
454	.60000	.10000+00	255.00	.5235-01	.7040-01	.7040-01	.9500	.2383-02	.3204-02	.3293	3.447	570.5
454	.60000	.20000	256.00	.2521-01	.3214-01	.3214-01	.9500	.1148-02	.1463-02	.1887	1.682	544.2
454	.60000	.40000	257.00	.1706-02	.2123-02	.2123-02	.9500	.7767-04	.9664-04	.1402-01	.1166	528.2
454	.60000	.95000	261.00	.5664-02	.7129-02	.7129-02	.9500	.2578-03	.3245-03	.4444-01	.4970	536.3
454	.70000	.20000	262.00	.2830-01	.3614-01	.3614-01	.9500	.1288-02	.1645-02	.2105	1.953	545.3
454	.70000	.40000	263.00	.9671-02	.1213-01	.1213-01	.9500	.4402-03	.5522-03	.7691-01	.6889	533.9
454	.70000	.90000	264.00	.1659-01	.2097-01	.2097-01	.9500	.7549-03	.9545-03	.1279	1.020	539.2
454	.75000	.10000+00	265.00	.6879-01	.9250-01	.9250-01	.9500	.3131-02	.4210-02	.4327	4.136	570.5
454	.75000	.20000	266.00	.4012-01	.5172-01	.5172-01	.9500	.1826-02	.2354-02	.2885	2.785	550.7
454	.75000	.40000	267.00	.1364-01	.1718-01	.1718-01	.9500	.6210-03	.7818-03	.1070	.9573	536.4
454	.75000	.60000	268.00	.4476-02	.5620-02	.5620-02	.9500	.2037-03	.2558-03	.3546-01	.3608	534.6
454	.75000	.80000	269.00	.2791-02	.3509-02	.3509-02	.9500	.1270-03	.1597-03	.2200-01	.2051	535.5
454	.75000	.90000	270.00	.9418-02	.1197-01	.1197-01	.9500	.4287-03	.5448-03	.7126-01	.5674	542.4
454	.80000	.90000	271.00	.5068-02	.6435-02	.6435-02	.9500	.2307-03	.2929-03	.3849-01	.2960	541.8
454	.90000	.20000	272.00	.4908-01	.6418-01	.6418-01	.9500	.2234-02	.2921-02	.3363	2.976	558.1
454	.90000	.40000	273.00	.2357-01	.2999-01	.2999-01	.9500	.1073-02	.1365-02	.1774	1.582	543.3
454	.90000	.60000	274.00	.1387-01	.1754-01	.1754-01	.9500	.6314-03	.7982-03	.1071	.7974	539.0

IH102 60-OTS WING UPPER SURFACE (R4WR49)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
454	.95000	.20000	275.00	.4431-01	.5797-01	.5797-01	.9500	.2017-02	.2639-02	.3032	2.916	558.3
454	.95000	.40000	276.00	.4220-01	.5465-01	.5465-01	.9500	.1921-02	.2487-02	.2987	2.208	553.1
454	.95000	.50000	277.00	.2296-01	.2941-01	.2941-01	.9500	.1045-02	.1339-02	.1688	1.502	547.1
454	.95000	.70000	278.00	.1500-01	.1904-01	.1904-01	.9500	.6827-03	.8667-03	.1139	.9074	541.8
454	.95000	.80000	279.00	.1408-01	.1795-01	.1795-01	.9500	.6411-03	.8170-03	.1055	.8102	544.2
454	.95000	.90000	280.00	.1223-01	.1565-01	.1565-01	.9500	.5565-03	.7123-03	.9018-01	.7166	546.6

WING UPPER SURF

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
515	1.034	4.020	.8000-02	.2793-05	17.04	709.7	167.7	.1093	1.236	2552.	.1759-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
515	.2467-01	.2284-01

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
515	.40000	.50000-01	246.00	.1249-01	.1558-01	.1558-01	.9500	.3083-03	.3844-03	.5522-01	.5161	530.5
515	.60000	.25000-01	253.00	.1877-01	.2556-01	.2556-01	.9500	.4632-03	.6307-03	.6189-01	1.508	576.0
515	.60000	.50000-01	254.00	.1853-01	.2470-01	.2470-01	.9500	.4573-03	.6094-03	.6500-01	1.301	567.5
515	.60000	.10000+00	255.00	.4096-01	.5259-01	.5259-01	.9500	.1011-02	.1298-02	.1621	1.715	549.3
515	.60000	.20000	256.00	.9647-02	.1201-01	.1201-01	.9500	.2380-03	.2964-03	.4289-01	.3850	529.5
515	.70000	.20000	262.00	.2674-01	.3342-01	.3342-01	.9500	.6598-03	.8246-03	.1171	1.094	532.1
515	.70000	.40000	263.00	.6208-02	.7678-02	.7678-02	.9500	.1532-03	.1894-03	.2839-01	.2556	524.3
515	.70000	.90000	264.00	.3909-02	.4838-02	.4838-02	.9500	.9644-04	.1194-03	.1781-01	.1430	525.0
515	.75000	.10000+00	265.00	.9917-01	.1274	.127+	.9500	.2447-02	.3143-02	.3919	3.785	549.5
515	.75000	.20000	266.00	.4676-01	.5867-01	.5867-01	.9500	.1154-02	.1448-02	.2018	1.963	534.8
515	.75000	.40000	267.00	.1467-01	.1817-01	.1817-01	.9500	.3619-03	.4482-03	.6665-01	.5996	525.5
515	.75000	.60000	268.00	.4045-02	.5005-02	.5005-02	.9500	.9981-04	.1235-03	.1847-01	.1889	524.6
515	.80000	.90000	271.00	.3580-02	.4445-02	.4445-02	.9500	.8833-04	.1097-03	.1610-01	.1247	527.4
515	.90000	.20000	272.00	.6703-01	.8449-01	.8449-01	.9500	.1654-02	.2085-02	.2840	2.538	538.0
515	.90000	.40000	273.00	.2742-01	.3408-01	.3408-01	.9500	.6766-03	.8409-03	.1229	1.104	528.0
515	.90000	.60000	274.00	.1245-01	.1541-01	.1541-01	.9500	.3071-03	.3802-03	.5672-01	.4253	525.0
515	.95000	.20000	275.00	.5834-01	.7360-01	.7360-01	.9500	.1439-02	.1816-02	.2463	2.392	538.6
515	.95000	.40000	276.00	.4851-01	.6081-01	.6081-01	.9500	.1197-02	.1500-02	.2100	1.567	534.2
515	.95000	.50000	277.00	.2396-01	.2984-01	.2984-01	.9500	.5913-03	.7364-03	.1065	.9560	529.6
515	.95000	.70000	278.00	.1856-01	.2303-01	.2303-01	.9500	.4578-03	.5683-03	.8357-01	.6707	527.1
515	.95000	.80000	279.00	.1661-01	.2066-01	.2066-01	.9500	.4099-03	.5098-03	.7421-01	.5746	528.6

IH102 60-OTS WING UPPER SURFACE (R4WR50)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
515	.95000	.90000	280.00	.1481-01	.1844-01	.1841-01	.9500	.3654-03	.4549-03	.6585-01	.5278	529.4

WING UPPER SURF

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
445	3.518	4.020	.2000-02	.6981-06	57.99	709.[illegible]	167.7	.3719	4.207	2552.	.5986-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
445	.4552-01	.1238-01

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
445	.40000	.50000-01	246.00	.2735-01	.3542-01	.3542-01	.9500	.1245-02	.1612-02	.1939	1.791	553.9
445	.40000	.20000	247.00	.2632-01	.3359-01	.3359-01	.9500	.1198-02	.1529-02	.1962	1.559	545.9
445	.40000	.80000	251.00	.2163-02	.2667-02	.2667-02	.9500	.9845-04	.1214-03	.1848-01	.1435	522.0
445	.40000	.95000	252.00	.7093-02	.8879-02	.8879-02	.9500	.3229-03	.4041-03	.5696-01	.5104	533.2
445	.60000	.25000-01	253.00	.2979-01	.4831-01	.483[illegible]-01	.9500	.1356-02	.2199-02	.1256	8.997	617.1
445	.60000	.50000-01	254.00	.3765-01	.5852-01	.5852-01	.9500	.1713-02	.2663-02	.1705	3.341	610.2
445	.60000	.10000+00	255.00	.7610-01	.1065	.1065	.9500	.3464-02	.4846-02	.4311	4.480	585.2
445	.60000	.20000	256.00	.3934-01	.5078-01	.5078-01	.9500	.1791-02	.2311-02	.2821	2.503	552.1
445	.60000	.40000	257.00	.5774-02	.7247-02	.7247-02	.9500	.2628-03	.3299-03	.4587-01	.3802	535.1
445	.60000	.60000	258.00	.1052-02	.1314-02	.1314-02	.9500	.4789-04	.5980-04	.8533-02	.7971-01	531.5
445	.60000	.75000	259.00	.1597-02	.1984-02	.1984-02	.9500	.7267-04	.9030-04	.1321-01	.1187	527.9
445	.60000	.85000	260.00	.7004-02	.8763-02	.8763-02	.9500	.3188-03	.3988-03	.5639-01	.4679	532.8
445	.60000	.95000	261.00	.1099-01	.1394-01	.1394-01	.9500	.5001-03	.6344-03	.8386-01	.9351	542.0
445	.70000	.20000	262.00	.3696-01	.4745-01	.4745-01	.9500	.1682-02	.2160-02	.2700	2.500	549.2
445	.70000	.40000	263.00	.1615-01	.2039-01	.2039-01	.9500	.7351-03	.9280-03	.1255	1.121	539.0
445	.70000	.90000	264.00	.2347-01	.2982-01	.2982-01	.9500	.1068-02	.1357-02	.1781	1.418	543.0
445	.75000	.10000+00	265.00	.8131-01	.1102	.1102	.9500	.3701-02	.5016-02	.5007	4.777	574.4
445	.75000	.20000	266.00	.4852-01	.6280-01	.6280-01	.9500	.2209-02	.2858-02	.3448	3.324	553.5
445	.75000	.40000	267.00	.1970-01	.2497-01	.2497-01	.9500	.8968-03	.1137-02	.1508	1.346	541.5
445	.75000	.60000	268.00	.1142-01	.1450-01	.1450-01	.9500	.5199-03	.6601-03	.8689-01	.8805	542.6
445	.75000	.80000	269.00	.1908-01	.2425-01	.2425-01	.9500	.8683-03	.1104-02	.1444	1.340	543.4

IH102 60-OTS WING UPPER SURFACE (R4WR50)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
445	.75000	.90000	270.00	.3039-01	.3903-01	.3903-01	.9500	.1383-02	.1776-02	.2217	1.759	549.4
445	.80000	.90000	271.00	.3279-01	.4224-01	.4224-01	.9500	.1493-02	.1922-02	.2369	1.814	551.0
445	.90000	.20000	272.00	.6123-01	.8070-01	.8070-01	.9500	.2787-02	.3673-02	.4098	3.618	562.6
445	.90000	.40000	273.00	.3084-01	.3941-01	.3941-01	.9500	.1404-02	.1794-02	.2290	2.038	546.5
445	.90000	.60000	274.00	.1845-01	.2347-01	.2347-01	.9500	.8400-03	.1068-02	.1394	1.036	543.7
445	.95000	.20000	275.00	.5602-01	.7415-01	.7415-01	.9500	.2550-02	.3375-02	.3700	3.547	564.6
445	.95000	.40000	276.00	.4763-01	.6217-01	.6217-01	.9500	.2168-02	.2830-02	.3289	2.425	558.0
445	.95000	.50000	277.00	.2665-01	.3441-01	.3441-01	.9500	.1213-02	.1566-02	.1911	1.696	552.2
445	.95000	.70000	278.00	.2168-01	.2768-01	.2768-01	.9500	.9868-03	.1260-02	.1616	1.285	545.9
445	.95000	.80000	279.00	.2048-01	.2619-01	.2619-01	.9500	.9323-03	.1192-02	.1519	1.165	546.8
445	.95000	.90000	280.00	.1758-01	.2255-01	.2255-01	.9500	.8000-03	.1027-02	.1286	1.021	548.9

WING UPPER SUR-

PARAMETRIC DATA

MACH = 4.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
448	3.517	4.020	4.970	.3465-02	57.97	709.7	167.7	.3718	4.206	2552.	.5984-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
448	.4551-01	.1238-01

TEST DATA

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
448	.40000	.50000-01	246.00	.2377-01	.3031-01	.3031-01	.9500	.1082-02	.1379-02	.1779	1.650	545.3
448	.43000	.20000	247.00	.1891-01	.2381-01	.2381-01	.9500	.8608-03	.1084-02	.1485	1.186	537.1
448	.60000	.25000-01	253.00	.2593-01	.3861-01	.3861-01	.9500	.1180-02	.1757-02	.1275	3.067	601.6
448	.60000	.50000-01	254.00	.3021-01	.4292-01	.4292-01	.9500	.1375-02	.1953-02	.1648	3.261	589.8
448	.60000	.10000+00	255.00	.5423-01	.7231-01	.7231-01	.9500	.2468-02	.3291-02	.3503	3.673	567.7
448	.60000	.20000	256.00	.2460-01	.3109-01	.3109-01	.9500	.1120-02	.1415-02	.1904	1.701	539.6
448	.60000	.40000	257.00	.9578-03	.1189-02	.1189-02	.9500	.4359-04	.5413-04	.7942-02	.6609-01	527.5
448	.60000	.95000	261.00	.2091-02	.2641-02	.2641-02	.9500	.9515-04	.1202-03	.1620-01	.1808	539.4
448	.70000	.20000	262.00	.2936-01	.3722-01	.3722-01	.9500	.1336-02	.1694-02	.2247	2.088	541.5
448	.70000	.40000	263.00	.8200-02	.1027-01	.1027-01	.9500	.3732-03	.4673-03	.6579-01	.5895	533.4
448	.70000	.90000	264.00	.9316-02	.1179-01	.1179-01	.9500	.4240-03	.5364-03	.7179-01	.5723	540.3
448	.75000	.10000+00	265.00	.7854-01	.1054	.1054	.9500	.3575-02	.4795-02	.4983	4.764	570.3
448	.75000	.20000	266.00	.4298-01	.5513-01	.5513-01	.9500	.1956-02	.2509-02	.3151	3.045	548.6
448	.75000	.40000	267.00	.1223-01	.1542-01	.1542-01	.9500	.5568-03	.7016-03	.9574-01	.8559	537.7
448	.75000	.60000	268.00	.3932-02	.4957-02	.4957-02	.9500	.1790-03	.2256-03	.3072-01	.3121	538.0
448	.75000	.80000	269.00	.1696-02	.2132-02	.2132-02	.9500	.7719-04	.9704-04	.1339-01	.1248	536.2
448	.75000	.90000	270.00	.6411-02	.8128-02	.8128-02	.9500	.2917-03	.3699-03	.4900-01	.3903	541.7
448	.80000	.90000	271.00	.4992-02	.6311-02	.6311-02	.9500	.2272-03	.2872-03	.3855-01	.2968	540.0
448	.90000	.20000	272.00	.5763-01	.7540-01	.7540-01	.9500	.2623-02	.3431-02	.3949	3.492	559.1
448	.90000	.40000	273.00	.2856-01	.3649-01	.3649-01	.9500	.1300-02	.1661-02	.2124	1.891	546.3
448	.90000	.60000	274.00	.1630-01	.2071-01	.2071-01	.9500	.7418-03	.9423-03	.1237	.9188	543.0

IH102 60-OTS WING UPPER SURFACE (R4WR51)

RUN NUMBER	2Y/BW	XW/CW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
448	.95000	.20000	275.00	.5857-01	.7709-01	.7709-01	.9500	.2665-02	.3509-02	.3936	3.778	562.0
448	.95000	.40000	276.00	.5969-01	.7878-01	.7878-01	.9500	.2716-02	.3585-02	.3977	2.925	563.3
448	.95000	.50000	277.00	.3140-01	.4081-01	.4081-01	.9500	.1429-02	.1857-02	.2199	1.948	555.8
448	.95000	.70000	278.00	.1886-01	.2399-01	.2399-01	.9500	.8582-03	.1092-02	.1424	1.133	543.8
448	.95000	.80000	279.00	.1849-01	.2354-01	.2354-01	.9500	.8415-03	.1071-02	.1392	1.070	544.2
448	.95000	.90000	280.00	.1635-01	.2093-01	.2093-01	.9500	.7441-03	.9526-03	.1206	.9580	547.6

IH102 60-0 OMS POD (R4WS21)

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
546	3.522	3.010	-39.98	-.4861-02	33.94	708 7	252.0	.9102	5.773	2342.	.9748-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
546	.5327-01	.9695-02

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
546	1325.0	428.60	298.00	.6625-01	.8671-01	.8671-01	.9500	.3529-02	.4619-02	.5300	3.908	558.5
546	1325.0	489.20	299.00	.3846	.6570	.6570	.9500	.2048-01	.3500-01	1.750	11.36	623.2
546	1325.0	506.70	301.00	.6088	1.338	1.338	.9500	.3243-01	.7130-01	2.108	15.97	643.7
546	1325.0	511.30	300.00	.7456	2.231	2.231	.9500	.3972-01	.1188	2.114	14.86	655.4
546	1350.0	440.40	302.00	.8320-01	.1101	.1101	.9500	.4432-02	.5865-02	.6428	5.908	563.6
546	1350.0	458.60	303.00	.1301	.1724	.1724	.9500	.6930-02	.9186-02	.9996	7.348	564.4
546	1350.0	498.50	304.00	.3227	.4838	.4838	.9500	.1719-01	.2577-01	1.829	12.37	602.3
546	1350.0	515.50	306.00	.6002	1.140	1.140	.9500	.3197-01	.6075-01	2.392	16.44	633.9
546	1350.0	524.40	305.00	.4140	.6923	.6923	.9500	.2206-01	.3688-01	1.944	14.38	620.5
546	1375.0	421.60	308.00	.7600-01	.1074	.1074	.9500	.4048-02	.5722-02	.4906	6.684	587.5
546	1375.0	440.00	309.00	.8558-01	.1147	.1147	.9500	.4559-02	.6111-02	.6357	6.081	569.2
546	1375.0	460.00	310.00	.1441	.1885	.1885	.9500	.7678-02	.1004-01	1.156	7.308	558.1
546	1375.0	503.40	311.00	.2568	.3841	.3841	.9500	.1368-01	.2046-01	1.462	11.30	601.8
546	1375.0	531.00	312.00	.3829	.6109	.6109	.9500	.2040-01	.3254-01	1.937	13.45	613.7
546	1400.0	523.40	313.00	.4440	.8172	.8172	.9500	.2365-01	.4353-01	1.835	14.50	631.1
546	1425.0	415.10	315.00	.1921	.2702	.2702	.9500	.1023-01	.1439-01	1.254	8.824	586.1
546	1425.0	437.70	316.00	.1446	.1970	.1970	.9500	.7701-02	.1049-01	1.026	7.499	575.5
546	1425.0	466.30	317.00	.1672	.2201	.2201	.9500	.8904-02	.1173-01	1.311	7.622	561.4
546	1425.0	508.60	318.00	.2803	.4398	.4398	.9500	.1493-01	.2343-01	1.459	11.64	611.0
546	1425.0	536.50	319.00	.3580	.5808	.5808	.9500	.1907-01	.3094-01	1.762	12.62	616.3
546	1450.0	418.20	320.00	.1819	.2589	.2589	.9500	.9689-02	.1379-01	1.154	10.92	589.6

IH102 60-0 OMS POD (R4WS21)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
546	1450.0	436.00	321.00	.1486	.2075	.2075	.9500	.7916-02	.1105-01	.9884	7.444	583.8
546	1450.0	468.20	322.00	.1532	.2036	.2036	.9500	.8160-02	.1085-01	1.167	7.795	565.6
546	1450.0	511.10	323.00	.2626	.4079	.4079	.9500	.1399-01	.2173-01	1.391	12.00	609.2
546	1450.0	526.60	325.00	.5209-01	.6902-01	.6902-01	.9500	.2775-02	.3677-02	.4007	3.273	564.2
546	1500.0	437.00	327.00	.6686-01	.9154-01	.9154-01	.9500	.3561-02	.4876-02	.4679	3.535	577.3
546	1500.0	470.40	328.00	.1325	.1742	.1742	.9500	.7057-02	.9281-02	1.044	6.406	560.8
546	1500.0	514.00	329.00	.2097	.3017	.3017	.9500	.1117-01	.1607-01	1.297	9.097	592.5
546	1500.0	532.30	331.00	.2269	.3232	.3232	.9500	.1209-01	.1722-01	1.438	9.208	589.7
546	1500.0	539.40	330.00	.2313	.3328	.3328	.9500	.1232-01	.1773-01	1.431	10.04	592.5
546	1525.0	424.00	332.00	.5049-01	.6559-01	.6559-01	.9500	.2690-02	.3494-02	.4139	3.163	554.8
546	1525.0	431.00	333.00	.5643-01	.7489-01	.7489-01	.9500	.3006-02	.3989-02	.4322	2.802	564.9
546	1525.0	440.00	334.00	.1312	.1771	.1771	.9500	.6987-02	.9433-02	.9549	5.993	572.0
546	1545.0	434.00	338.00	.4942-01	.6515-01	.6515-01	.9500	.2633-02	.3470-02	.3864	3.160	561.9
546	1545.0	443.00	339.00	.5839-01	.7691-01	.7691-01	.9500	.3110-02	.4097-02	.4575	2.591	561.6

IH102 60-0 OMS POD (R4WS22)

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
528	3.504	3.010	-14.45	.0000	33.84	709.7	252.4	.9075	5.756	2344.	.9706-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
528	.5320-01	.9718-02

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
528	1325.0	428.60	298.00	.6063-01	.7863-01	.7863-01	.9500	.3226-02	.4183-02	.4999	3.693	554.7
528	1325.0	489.20	299.00	.1417	.2567	.2567	.9500	.7538-02	.1366-01	.5969	3.861	630.5
528	1325.0	506.70	301.00	.1693	.3271	.3271	.9500	.9005-02	.1740-01	.6622	5.035	636.1
528	1325.0	511.30	300.00	.1838	.5704	.5704	.9500	.9781-02	.3035-01	.5122	3.597	657.3
528	1350.0	440.40	302.00	.5317-01	.6908-01	.6908-01	.9500	.2829-02	.3675-02	.4358	4.022	555.6
528	1350.0	458.60	303.00	.9050-01	.1189	.1189	.9500	.4815-02	.6328-02	.7143	5.259	561.3
528	1350.0	498.50	304.00	.1968	.2998	.2998	.9500	.1047-01	.1595-01	1.081	7.299	606.4
528	1350.0	515.50	306.00	.1971	.3204	.3204	.9500	.1049-01	.1704-01	.9671	6.701	617.4
528	1350.0	524.40	305.00	.2106	.3446	.3446	.9500	.1120-01	.1833-01	1.022	7.570	618.4
528	1375.0	421.60	308.00	.3448-01	.4595-01	.4595-01	.9500	.1835-02	.2445-02	.2608	3.589	567.5
528	1375.0	440.00	309.00	.5370-01	.7125-01	.7125-01	.9500	.2857-02	.3790-02	.4115	3.943	565.6
528	1375.0	460.00	310.00	.1033	.1329	.1329	.9500	.5494-02	.7073-02	.8728	5.537	550.8
528	1375.0	503.40	311.00	.1552	.2222	.2222	.9500	.8256-02	.1182-01	.9710	7.543	592.1
528	1375.0	531.00	312.00	.2056	.3052	.3052	.9500	.1094-01	.1624-01	1.189	8.306	600.9
528	1400.0	523.40	313.00	.1760	.2849	.2849	.9500	.9364-02	.1516-01	.8695	6.920	616.8
528	1425.0	415.10	315.00	.6452-01	.8507-01	.8507-01	.9500	.3432-02	.4526-02	.5042	3.589	562.8
528	1425.0	437.70	316.00	.8987-01	.1208	.1208	.9500	.4782-02	.6429-02	.6621	4.850	571.2
528	1425.0	466.30	317.00	.9204-01	.1166	.1166	.9500	.4897-02	.6204-02	.8247	4.842	541.3
528	1425.0	508.60	318.00	.1346	.1925	.1925	.9500	.7160-02	.1024-01	.8445	6.804	591.7
528	1425.0	536.50	319.00	.1868	.2800	.2800	.9500	.9940-02	.1490-01	1.060	7.644	603.0
528	1450.0	418.20	320.00	.5573-01	.7362-01	.7362-01	.9500	.2965-02	.3917-02	.4328	4.151	563.7

IH102 60-0 OMS POD (R4WS22)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
528	1450.0	436.00	321.00	.9136-01	.1227	.1227	.9500	.4860-02	.6528-02	.6751	5.117	570.8
528	1450.0	468.20	322.00	.8098-01	.1031	.1031	.9500	.4308-02	.5486-02	.7124	4.809	544.3
528	1450.0	511.10	323.00	.1170	.1659	.1653	.9500	.6224-02	.8827-02	.7489	6.524	589.3
528	1500.0	437.00	327.00	.6846-01	.8926-01	.8923-01	.9500	.3642-02	.4749-02	.5547	4.233	557.4
528	1500.0	470.40	328.00	.7108-01	.8989-01	.8983-01	.9500	.3782-02	.4782-02	.6415	3.978	540.1
528	1500.0	514.00	329.00	.1088	.1452	.1452	.9500	.5787-02	.7723-02	.8192	5.816	568.1
528	1500.0	532.30	331.00	.1263	.1694	.1694	.9500	.6720-02	.9012-02	.9374	6.062	570.2
528	1500.0	539.40	330.00	.1276	.1726	.1726	.9500	.6788-02	.9182-02	.9239	6.542	573.6
528	1525.0	424.00	332.00	.3675-01	.4582-01	.4582-01	.9500	.1955-02	.2438-02	.3508	2.714	530.3
528	1525.0	431.00	333.00	.7577-01	.9805-01	.9805-01	.9500	.4031-02	.5217-02	.6293	4.104	553.5
528	1525.0	440.00	334.00	.6859-01	.8773-01	.8773-01	.9500	.3649-02	.4667-02	.5936	3.773	547.0
528	1545.0	434.00	338.00	.5145-01	.6493-01	.6493-01	.9500	.2737-02	.3455-02	.4678	3.870	538.8
528	1545.0	443.00	339.00	.7278-01	.9277-01	.9277-01	.9500	.3872-02	.4935-02	.6376	3.640	545.0

IH102 60-0 OMS POD (R4WS23)

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
525	3.506	3.010	.1033-01	-14.48	33.86	709.7	252.4	.9080	5.759	2344.	.9711-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
525	.5322-01	.9715-02

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	F/HREF F= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
525	1325.0	428.60	298.00	.1090	.1563	.1563	.9500	5799-02	.8318-02	.6793	4.924	592.5
525	1325.0	489.20	299.00	.1309	.2286	.2286	.9500	.6967-02	.1216-01	.5787	3.750	626.6
525	1325.0	506.70	301.00	.8159-01	.1097	.1097	.9500	.4342-02	.5837-02	.6014	4.720	571.2
525	1325.0	511.30	300.00	.9717-01	.1521	.1521	.9500	.5171-02	.8094-02	.5081	3.649	611.4
525	1350.0	440.40	302.00	.1319	.2261	.2261	.9500	.7020-02	.1203-01	.5979	5.334	624.5
525	1350.0	458.60	303.00	.1949	.3466	.3466	.9500	.1037-01	.1845-01	.8406	5.986	628.6
525	1350.0	498.50	304.00	.1819	.2798	.2798	.9500	.9680-02	.1489-01	.9818	6.621	608.2
525	1350.0	515.50	306.00	.1101	.1520	.1520	.9500	.5858-02	.8091-02	.7529	5.311	581.1
525	1350.0	524.40	305.00	.1062	.1454	.1454	.9500	.5653-02	.7736-02	.7450	5.627	577.9
525	1375.0	421.60	308.00	.6718-01	.1035	.1035	.9500	.3575-02	.5507-02	.3617	4.877	608.5
525	1375.0	440.00	309.00	.1497	.2638	.2638	.9500	.7966-02	.1404-01	.6536	6.074	627.6
525	1375.0	460.00	310.00	.2460	.4033	.4033	.9500	.1309-01	.2146-01	1.191	7.304	618.7
525	1375.0	503.40	311.00	.1524	.2288	.2288	.9500	.8108-02	.1217-01	.8616	6.656	603.4
525	1375.0	531.00	312.00	.9736-01	.1299	.1299	.9500	.5181-02	.6913-02	.7341	5.212	568.0
525	1400.0	523.40	313.00	.8377-01	.1134	.1134	.9500	.4458-02	.6037-02	.6048	4.916	574.0
525	1425.0	415.10	315.00	.1323	.1944	.1944	.9500	.7040-02	.1035-01	.7820	5.469	598.6
525	1425.0	437.70	316.00	.1791	.2782	.2782	.9500	.9532-02	.1481-01	.9496	6.824	610.0
525	1425.0	466.30	317.00	.2107	.3096	.3096	.9500	.1121-01	.1647-01	1.245	7.106	598.6
525	1425.0	508.60	318.00	.1285	.1906	.1906	.9500	.6837-02	.1015-01	.7441	5.968	600.8
525	1425.0	536.50	319.00	.9636-01	.1332	.1332	.9500	.5128-02	.7087-02	.6584	4.799	581.3
525	1450.0	418.20	320.00	.1078	.1585	.1585	.9500	.5735-02	.8435-02	.6360	5.994	598.8

IH102 60-0 OMS POD (R4WS23)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
525	1450.0	436.00	321.00	.1542	.2304	.2304	.9500	.8207-02	.1226-01	.8805	6.571	602.4
525	1450.0	468.20	322.00	.1715	.2528	.2528	.9500	.9126-02	.1345-01	1.007	6.614	599.3
525	1450.0	511.10	323.00	.1092	.1606	.1606	.9500	.5810-02	.8546-02	.6440	5.584	598.8
525	1500.0	437.00	327.00	.9133-01	.1257	.1257	.9500	.4860-02	.6691-02	.6302	4.755	580.0
525	1500.0	470.40	328.00	.1216	.1668	.1668	.9500	.6469-02	.8879-02	.8457	5.143	578.9
525	1500.0	514.00	329.00	.1113	.1550	.1550	.9500	.5923-02	.8248-02	.7457	5.253	583.8
525	1500.0	532.30	331.00	.7971-01	.1063	.1063	.9500	.4242-02	.5655-02	.6024	3.900	567.7
525	1500.0	539.40	330.00	.8257-01	.1104	.1104	.9500	.4394-02	.5875-02	.6186	4.391	568.9
525	1525.0	424.00	332.00	.4490-01	.5788-01	.5788-01	.9500	.2389-02	.3080-02	.3780	2.893	551.5
525	1525.0	431.00	333.00	.9763-01	.1331	.1331	.9500	.5196-02	.7084-02	.6915	4.458	576.6
525	1525.0	440.00	334.00	.8940-01	.1234	.1234	.9500	.4758-02	.6567-02	.6128	3.829	580.9
525	1545.0	434.00	338.00	.5134-01	.6893-01	.6893-01	.9500	.2732-02	.3562-02	.4161	3.410	557.4
525	1545.0	443.00	339.00	.8750-01	.1169	.1169	.9500	.4656-02	.6219-02	.6575	3.710	568.5

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
531	1.090	3.010	.1400-01	.4887-05	10.14	691.7	246.0	.2719	1.725	2314.	.2984-02	.1970-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
531	.2899-01	.1746-01

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P* TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
531	1325.0	428.60	298.00	.3032-01	.3977-01	.3977-01	.9500	.8791-03	.1153-02	.1280	.9493	546.1
531	1325.0	489.20	299.00	.1308	.1827	.1827	.9500	.3792-02	.5297-02	.4615	3.076	570.0
531	1325.0	506.70	301.00	.1597	.2259	.2259	.9500	.4630-02	.6548-02	.5468	4.287	573.6
531	1325.0	511.30	300.00	.3088	.4611	.4611	.9500	.8951-02	.1337-01	.9371	6.811	587.0
531	1350.0	440.40	302.00	.2890-01	.3863-01	.3863-01	.9500	.8377-03	.1120-02	.1149	1.061	554.5
531	1350.0	458.60	303.00	.7878-01	.1076	.1076	.9500	.2284-02	.3119-02	.2949	2.170	562.5
531	1350.0	498.50	304.00	.1209	.1653	.1653	.9500	.3506-02	.4792-02	.4517	3.115	562.8
531	1350.0	515.50	306.00	.1008	.1372	.1372	.9500	.2923-02	.3976-02	.3819	2.721	561.0
531	1350.0	524.40	305.00	.1339	.1817	.1817	.9500	.3881-02	.5267-02	.5101	3.887	560.2
531	1375.0	421.60	308.00	.2237-01	.2961-01	.2961-01	.9500	.6485-03	.8583-03	.9176-01	1.274	550.2
531	1375.0	440.00	309.00	.3968-01	.5328-01	.5328-01	.9500	.1150-02	.1545-02	.1559	1.501	556.2
531	1375.0	460.00	310.00	.9322-01	.1251	.1251	.9500	.2702-02	.3628-02	.3664	2.318	556.1
531	1375.0	503.40	311.00	.7628-01	.1023	.1023	.9500	.2211-02	.2965-02	.3008	2.380	555.6
531	1375.0	531.00	312.00	.8227-01	.1089	.1089	.9500	.2385-02	.3158-02	.3369	2.413	550.4
531	1400.0	523.40	313.00	.8099-01	.1092	.1092	.9500	.2348-02	.3165-02	.3145	2.577	557.7
531	1425.0	415.10	315.00	.5116-01	.6745-01	.6745-01	.9500	.1483-02	.1955-02	.2124	1.523	548.4
531	1425.0	437.70	316.00	.5511-01	.7317-01	.7317-01	.9500	.1598-02	.2121-02	.2238	1.656	551.6
531	1425.0	466.30	317.00	.7002-01	.9242-01	.9242-01	.9500	.2030-02	.2679-02	.2896	1.693	549.0
531	1425.0	508.60	318.00	.4739-01	.6323-01	.6323-01	.9500	.1374-02	.1833-02	.1896	1.557	553.6
531	1425.0	536.50	319.00	.5031-01	.6658-01	.6658-01	.9500	.1459-02	.1930-02	.2065	1.529	550.1
531	1450.0	418.20	320.00	.4473-01	.5913-01	.5913-01	.9500	.1297-02	.1714-02	.1841	1.778	549.7

IH102 60-0 OMS POD (R4WS24)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
531	1450.0	436.00	321.00	.5228-01	.6923-01	.6923-01	.9500	.1516-02	.2007-02	.2142	1.640	550.4
531	1450.0	468.20	322.00	.5510-01	.7273-01	.7273-01	.9500	.1597-02	.2108-02	.2279	1.535	549.0
531	1450.0	511.10	323.00	.3693-01	.4924-01	.4924-01	.9500	.1071-02	.1427-02	.1481	1.314	553.3
531	1500.0	437.00	327.00	.3408-01	.4478-01	.4478-01	.9500	.9880-03	.1298-02	.1430	1.097	546.9
531	1500.0	470.40	328.00	.4274-01	.5596-01	.5596-01	.9500	.1239-02	.1622-02	.1814	1.122	545.3
531	1500.0	514.00	329.00	.2469-01	.3279-01	.3279-01	.9500	.7157-03	.9506-03	.1002	.7171	551.7
531	1500.0	532.30	331.00	.5301-01	.7010-01	.7010-01	.9500	.1537-02	.2032-02	.2181	1.425	549.8
531	1500.0	539.40	330.00	.5273-01	.6990-01	.6990-01	.9500	.1529-02	.2026-02	.2153	1.542	550.8
531	1525.0	424.00	332.00	.1318-01	.1720-01	.1720-01	.9500	.3820-03	.4986-03	.5646-01	.4338	543.8
531	1525.0	431.00	333.00	.2387-01	.3141-01	.3141-01	.9500	.6921-03	.9107-03	.9976-01	.6525	547.5
531	1525.0	440.00	334.00	.3988-01	.5282-01	.5282-01	.9500	.1156-02	.1531-02	.1632	1.035	550.5
531	1545.0	443.00	339.00	.1879-01	.2474-01	.2474-01	.9500	.5447-03	.7171-03	.7837-01	.4468	547.8

IH102 60-0 OMS POD (R4WS24)

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
522	3.508	3.010	.3200-01	.8936-04	33.88	709.7	252.4	.9085	5.762	2344.	.9716-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
522	.5323-01	.9713-02

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= T/TN/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
522	1325.0	428.60	298.00	.5228-01	.6752-01	.6752-01	.9500	.2783-02	.3594-02	.4376	3.236	552.4
522	1325.0	489.20	299.00	.1232	.1838	.1838	.9500	.6559-02	.9781-02	.7066	4.634	601.9
522	1325.0	506.70	301.00	.1382	.2100	.2100	.9500	.7357-02	.1118-01	.7635	5.891	605.9
522	1325.0	511.30	300.00	.1739	.3219	.3219	.9500	.9258-02	.1714-01	.7146	5.079	632.5
522	1350.0	440.40	302.00	.6208-01	.8341-01	.8341-01	.9500	.3305-02	.4440-02	.4587	4.201	570.9
522	1350.0	458.60	303.00	.1028	.1450	.1450	.9500	.5471-02	.7717-02	.6670	4.846	587.8
522	1350.0	498.50	304.00	.1536	.2243	.2243	.9500	.8174-02	.1194-01	.9194	6.233	597.2
522	1350.0	515.50	306.00	.1257	.1779	.1779	.9500	.6690-02	.9470-02	.8086	5.682	588.8
522	1350.0	524.40	305.00	.1342	.1919	.1919	.9500	.7143-02	.1022-01	.8427	6.321	591.7
522	1375.0	421.60	308.00	.3174-01	.4275-01	.4275-01	.9500	.1690-02	.2276-02	.2327	3.196	571.9
522	1375.0	440.00	309.00	.7095-01	.9658-01	.9658-01	.9500	.3777-02	.5141-02	.5050	4.814	575.9
522	1375.0	460.00	310.00	.1344	.1829	.1829	.9500	.7155-02	.9734-02	.9582	6.003	575.7
522	1375.0	503.40	311.00	.1184	.1629	.1629	.9500	.6303-02	.8673-02	.8183	6.395	579.8
522	1375.0	531.00	312.00	.1204	.1616	.1616	.9500	.6408-02	.8600-02	.8919	6.325	570.5
522	1400.0	523.40	313.00	.1001	.1377	.1377	.9500	.5327-02	.7332-02	.6915	5.604	579.9
522	1425.0	415.10	315.00	.7056-01	.9450-01	.9450-01	.9500	.3756-02	.5030-02	.5261	3.732	569.6
522	1425.0	437.70	316.00	.9409-01	.1261	.1261	.9500	.5009-02	.6711-02	.7006	5.136	569.8
522	1425.0	466.30	317.00	.1235	.1617	.1617	.9500	.6573-02	.8606-02	.9870	5.742	559.5
522	1425.0	508.60	318.00	.8524-01	.1137	.1137	.9500	.4537-02	.6053-02	.6431	5.243	567.9
522	1425.0	536.50	319.00	.1003	.1342	.1342	.9500	.5339-02	.7145-02	.7493	5.494	569.3
522	1450.0	418.20	320.00	.6086-01	.8151-01	.8151-01	.9500	.3239-02	.4339-02	.4537	4.339	569.6

IH102 60-0 OMS POD (R4WS24)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
522	1450.0	436.00	321.00	.8770-01	.1167	.1167	.9500	.4668-02	.6211-02	.6670	5.065	566.8
522	1450.0	468.20	322.00	.1047	.1376	.1376	.9500	.5575-02	.7323-02	.8290	5.549	561.0
522	1450.0	511.10	323.00	.7073-01	.9361-01	.9361-01	.9500	.3765-02	.4983-02	.5466	4.821	564.5
522	1500.0	437.00	327.00	.5859-01	.7497-01	.7497-01	.9500	.3119-02	.3990-02	.5065	3.885	547.3
522	1500.0	470.40	328.00	.7860-01	.1000	.1000	.9500	.4184-02	.5325-02	.6930	4.289	544.0
522	1500.0	514.00	329.00	.6799-01	.8718-01	.8718-01	.9500	.3619-02	.4641-02	.5835	4.184	548.4
522	1500.0	532.30	331.00	.7215-01	.9180-01	.9180-01	.9500	.3840-02	.4887-02	.6365	4.171	543.9
522	1500.0	539.40	330.00	.7740-01	.9950-01	.9950-01	.9500	.4120-02	.5296-02	.6584	4.718	549.9
522	1525.0	424.00	332.00	.2921-01	.3621-01	.3621-01	.9500	.1555-02	.1928-02	.2852	2.211	526.2
522	1525.0	431.00	333.00	.6038-01	.7661-01	.7661-01	.9500	.3214-02	.4078-02	.5384	3.532	542.1
522	1525.0	440.00	334.00	.5874-01	.7491-01	.7491-01	.9500	.3127-02	.3987-02	.5143	3.272	545.2
522	1545.0	434.00	338.00	.2818-01	.3491-01	.3491-01	.9500	.1500-02	.1858-02	.2764	2.303	525.4
522	1545.0	443.00	339.00	.5471-01	.6851-01	.6851-01	.9500	.2912-02	.3647-02	.5131	2.947	533.5

IH102 60-0 OMS POD (R4WS25)

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
553	2.006	4.020	-39.96	-.2422-02	33.00	708.7	167.5	.2116	2.394	2550.	.3411-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
553	.3433-01	.1640-01

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
553	1325.0	428.60	298.00	.8658-01	.1095	.1095	.9500	.2972-02	.3758-02	.5038	3.750	539.2
553	1325.0	489.20	299.00	.4930	.7237	.7237	.9500	.1692-01	.2484-01	1.881	12.36	597.5
553	1325.0	506.70	301.00	.7678	1.200	1.200	.9500	.2636-01	.4119-01	2.593	19.96	610.3
553	1325.0	511.30	300.00	.8584	1.525	1.525	.9500	.2947-01	.5237-01	2.388	17.01	627.6
553	1350.0	440.40	302.00	.1134	.1436	.1436	.9500	.3893-02	.4931-02	.6555	6.096	540.3
553	1350.0	458.60	303.00	.1190	.1518	.1518	.9500	.4086-02	.5210-02	.6712	4.983	544.4
553	1350.0	498.50	304.00	.2936	.3939	.3939	.9500	.1008-01	.1352-01	1.403	9.642	569.5
553	1350.0	515.50	306.00	.5696	.8199	.8199	.9500	.1955-01	.2815-01	2.269	15.92	592.6
553	1350.0	524.40	305.00	.3660	.5112	.5112	.9500	.1256-01	.1755-01	1.567	11.80	583.9
553	1375.0	421.60	308.00	.9697-01	.1253	.1253	.9500	.3329-02	.4300-02	.5222	7.242	551.8
553	1375.0	440.00	309.00	.1073	.1367	.1357	.9500	.3685-02	.4693-02	.6075	5.885	543.8
553	1375.0	460.00	310.00	.1235	.1566	.1556	.9500	.4240-02	.5376-02	.7109	4.532	541.0
553	1375.0	503.40	311.00	.1643	.2167	.2167	.9500	.5639-02	.7440-02	.8254	6.508	562.3
553	1375.0	531.00	312.00	.6839	.9373	.9373	.9500	.2347-01	.3218-01	3.076	21.74	577.6
553	1400.0	523.40	313.00	.3799	.5505	.5505	.9500	.1304-01	.1890-01	1.491	12.00	594.3
553	1425.0	415.10	315.00	.1501	.1959	.1959	.9500	.5152-02	.6724-02	.7810	5.576	557.1
553	1425.0	437.70	316.00	.1263	.1614	.1614	.9500	.4336-02	.5540-02	.7069	5.245	545.6
553	1425.0	466.30	317.00	.1564	.1986	.1986	.9500	.5370-02	.6816-02	.8964	5.262	541.7
553	1425.0	508.60	318.00	.2183	.2962	.2962	.9500	.7492-02	.1017-01	1.009	8.201	574.0
553	1425.0	536.50	319.00	.2288	.3098	.3098	.9500	.7856-02	.1063-01	1.065	7.796	573.1
553	1450.0	418.20	320.00	.1427	.1874	.1874	.9500	.4897-02	.6434-02	.7264	6.979	560.3

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
553	1450.0	436.00	321.00	.1411	.1814	.1814	.9500	.4844-02	.6226-02	.7734	5.926	549.0
553	1450.0	468.20	322.00	.9637-01	.1225	.1225	.9500	.3308-02	.4205-02	.5495	3.712	542.6
553	1450.0	511.10	323.00	.1814	.2445	.2445	.9500	.6228-02	.8393-02	.8557	7.522	571.3
553	1450.0	526.60	325.00	.5238-01	.6864-01	.6864-01	.9500	.1798-02	.2356-02	.2688	2.201	559.2
553	1500.0	437.00	327.00	.7565-01	.9736-01	.9736-01	.9500	.2597-02	.3342-02	.4128	3.162	549.7
553	1500.0	470.40	328.00	.7771-01	.9848-01	.9848-01	.9500	.2667-02	.3381-02	.4481	2.778	540.7
553	1500.0	514.00	329.00	.1488	.1957	.1957	.9500	.5108-02	.6717-02	.7557	5.385	560.7
553	1500.0	532.30	331.00	.1463	.1914	.1914	.9500	.5021-02	.6569-02	.7548	4.910	558.3
553	1500.0	539.40	330.00	.1706	.2244	.2244	.9500	.5855-02	.7705-02	.8642	6.158	561.1
553	1525.0	424.00	332.00	.6886-01	.8761-01	.8761-01	.9500	.2364-02	.3007-02	.3912	3.007	543.1
553	1525.0	431.00	333.00	.6240-01	.7952-01	.7952-01	.9500	.2142-02	.2730-02	.3525	2.310	544.1
553	1525.0	440.00	334.00	.9139-01	.1171	.1171	.9500	.3137-02	.4021-02	.5057	3.213	547.5
553	1545.0	434.00	338.00	.3573-01	.4575-01	.4575-01	.9500	.1227-02	.1570-02	.1984	1.635	546.9
553	1545.0	443.00	339.00	.4541-01	.5787-01	.5787-01	.9500	.1559-02	.1987-02	.2565	1.465	544.1

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BOFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
550	3.514	4.020	-39.96	.0000	57.91	709.7	167.7	.3714	4.201	2552.	.5978-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
550	.4549-01	.1239-01

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
550	1325.0	428.60	298.00	.1088	.1386	.1386	.9500	.4949-02	.6304-02	.8167	6.063	544.6
550	1325.0	489.20	299.00	.4980	.8030	.8030	.9500	.2265-01	.3653-01	2.116	13.78	616.3
550	1325.0	506.70	301.00	.7223	1.396	1.396	.9500	.3285-01	.6351-01	2.415	18.36	636.2
550	1325.0	511.30	300.00	.9025	2.187	2.187	.9500	.4105-01	.9945-01	2.481	17.49	649.2
550	1350.0	440.40	302.00	.1527	.1961	.1961	.9500	.6946-02	.8920-02	1.114	10.31	549.3
550	1350.0	458.60	303.00	.1466	.1888	.1888	.9500	.6668-02	.8587-02	1.059	7.839	550.8
550	1350.0	498.50	304.00	.3678	.5182	.5182	.9500	.1673-01	.2357-01	2.044	13.93	587.5
550	1350.0	515.50	306.00	.7010	1.166	1.166	.9500	.3189-01	.5302-01	2.839	19.64	620.6
550	1350.0	524.40	305.00	.5070	.7874	.7874	.9500	.2306-01	.3581-01	2.298	17.08	610.0
550	1375.0	421.60	308.00	.8830-01	.1176	.1176	.9500	.4016-02	.5349-02	.5722	7.875	567.2
550	1375.0	440.00	309.00	.1317	.1702	.1702	.9500	.5990-02	.7743-02	.9385	9.050	553.0
550	1375.0	460.00	310.00	.1473	.1880	.1880	.9500	.6701-02	.8553-02	1.098	6.985	545.8
550	1375.0	503.40	311.00	.3794	.5398	.5398	.9500	.1726-01	.2455-01	2.061	16.02	590.3
550	1375.0	531.00	312.00	.5465	.8227	.8227	9500	.2486-01	.3742-01	2.627	18.32	604.0
550	1400.0	523.40	313.00	.4521	.7132	.7132	.9500	.2057-01	.3244-01	1.994	15.90	612.7
550	1425.0	415.10	315.00	.1557	.2088	.2088	.9500	.7081-02	.9498-02	.9873	7.003	570.2
550	1425.0	437.70	316.00	.1719	.2230	.2230	.9500	.7820-02	.1015-01	1.210	8.939	554.9
550	1425.0	466.30	317.00	.1488	.1895	.1895	.9500	.6768-02	.8620-02	1.118	6.555	544.5
550	1425.0	508.60	318.00	.2702	.3783	.3783	.9500	.1229-01	.1721-01	1.526	12.34	585.5
550	1425.0	536.50	319.00	.3152	.4490	.4490	.9500	.1434-01	.2042-01	1.707	12.38	590.6
550	1450.0	418.20	320.00	.1413	.1916	.1916	.9500	.6428-02	.8713-02	.8695	8.294	574.4

IH102 60-0 OMS POD (R4WS25)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
550	1450.0	436.00	321.00	.1692	.2211	.2211	.9500	.7694-02	.1006-01	1.162	8.864	558.6
550	1450.0	468.20	322.00	.1137	.1452	.1452	.9500	.5171-02	.6603-02	.8462	5.707	546.0
550	1450.0	511.10	323.00	.2141	.2971	.2971	.9500	.9738-02	.1352-01	1.236	10.81	582.7
550	1450.0	526.60	325.00	.5141-01	.6786-01	.6786-01	.9500	.2338-02	.3087-02	.3422	2.796	563.3
550	1500.0	437.00	327.00	.8271-01	.1073	.1073	.9500	.3762-02	.4883-02	.5817	4.444	555.1
550	1500.0	470.40	328.00	.1079	.1373	.1373	.9500	.4909-02	.6243-02	.8152	5.046	543.6
550	1500.0	514.00	329.00	.1816	.2437	.2437	.9500	.8258-02	.1109-01	1.149	8.148	570.5
550	1500.0	532.30	331.00	.1896	.2539	.2539	.9500	.8626-02	.1155-01	1.209	7.820	569.5
550	1500.0	539.40	330.00	.2066	.2772	.2772	.9500	.9396-02	.1261-01	1.309	9.278	570.4
550	1525.0	424.00	332.00	.5392-01	.6874-01	.6874-01	.9500	.2453-02	.3127-02	.4038	3.101	545.0
550	1525.0	431.00	333.00	.5704-01	.7256-01	.7256-01	.9500	.2595-02	.3300-02	.4306	2.822	543.7
550	1525.0	440.00	334.00	.1238	.1599	.1599	.9500	.5630-02	.7273-02	.8843	5.605	552.6
550	1545.0	434.00	338.00	.3696-01	.4730-01	.4730-01	.9500	.1661-02	.2151-02	.2730	2.249	547.3
550	1545.0	443.00	339.00	.5079-01	.6458-01	.6458-01	.9500	.2310-02	.2938-02	.3838	2.193	543.5

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = -30.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
549	3.467	4.020	-29.98	.3163-02	57.99	716.7	169.3	.3719	4.207	2564.	.5928-02	.1363-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
549	.4560-01	.1246-01

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
549	1325.0	428.60	298.00	.3490-01	.4471-01	.4471-01	.9500	.1591-02	.2039-02	.2598	1.921	553.4
549	1325.0	489.20	299.00	.4752	.7791	.7791	.9500	.2167-01	.3552-01	1.990	12.91	624.8
549	1325.0	506.70	301.00	.5630	.9938	.9938	.9500	.2567-01	.4531-01	2.123	16.15	634.0
549	1325.0	511.30	300.00	.8304	2.164	2.164	.9500	.3786-01	.9867-01	2.202	15.46	658.5
549	1350.0	440.40	302.00	.3027-01	.3872-01	.3872-01	.9500	.1380-02	.1765-02	.2268	2.097	552.3
549	1350.0	458.60	303.00	.9207-01	.1197	.1197	.9500	.4198-02	.5456-02	.6527	4.806	561.2
549	1350.0	498.50	304.00	.3778	.5496	.5496	.9500	.1723-01	.2506-01	1.976	13.36	602.0
549	1350.0	515.50	306.00	.5097	.8042	.8042	.9500	.2324-01	.3667-01	2.274	15.75	618.8
549	1350.0	524.40	305.00	.3994	.6125	.6125	.9500	.1821-01	.2793-01	1.875	13.92	613.7
549	1375.0	421.60	308.00	.4147-01	.5431-01	.5431-01	.9500	.1891-02	.2477-02	.2866	3.949	565.1
549	1375.0	440.00	309.00	.3294-01	.4240-01	.4240-01	.9500	.1502-02	.1933-02	.2412	2.322	556.1
549	1375.0	460.00	310.00	.8453-01	.1090	.1090	.9500	.3854-02	.4969-02	.6160	3.895	556.9
549	1375.0	503.40	311.00	.2417	.3380	.3380	.9500	.1102-01	.1541-01	1.385	10.77	591.0
549	1375.0	531.00	312.00	.3516	.5118	.5118	.9500	.1603-01	.2334-01	1.836	12.82	602.2
549	1400.0	523.40	313.00	.3816	.5885	.5885	.9500	.1740-01	.2683-01	1.774	14.13	614.7
549	1425.0	415.10	315.00	.1941	.2568	.2568	.9500	.8850-02	.1171-01	1.299	9.213	569.9
549	1425.0	437.70	316.00	.5872-01	.7599-01	.7599-01	.9500	.2677-02	.3465-02	.4221	3.111	559.0
549	1425.0	466.30	317.00	.6903-01	.8866-01	.8866-01	.9500	.3148-02	.4043-02	.5094	2.970	554.8
549	1425.0	508.60	318.00	.2268	.3212	.3212	.9500	.1034-01	.1464-01	1.261	10.15	594.7
549	1425.0	536.50	319.00	.3200	.4652	.4652	.9500	.1459-01	.2121-01	1.675	12.09	601.9
549	1450.0	418.20	320.00	.1456	.1939	.1939	.9500	.6640-02	.8843-02	.9549	9.117	572.8

IH102 60-0 CMS POD (R4WS26)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
549	1450.0	436.00	321.00	.6030-01	.7835-01	.7835-01	.9500	.2750-02	.3572-02	.4277	3.258	561.1
549	1450.0	468.20	322.00	.6295-01	.8111-01	.8111-01	.9500	.2870-02	.3699-02	.4593	3.081	556.7
549	1450.0	511.10	323.00	.1963	.2766	.2766	.9500	.8952-02	.1261-01	1.105	9.612	593.2
549	1450.0	526.60	325.00	.6731-01	.8880-01	.8880-01	.9500	.3069-02	.4049-02	.4543	3.703	568.6
549	1500.0	437.00	327.00	.5676-01	.7374-01	.7374-01	.9500	.2588-02	.3362-02	.4028	3.068	561.0
549	1500.0	470.40	328.00	.5016-01	.6443-01	.6443-01	.9500	.2287-02	.2938-02	.3702	2.278	554.8
549	1500.0	514.00	329.00	.1608	.2197	.2197	.9500	.7333-02	.1002-01	.9810	6.914	582.9
549	1500.0	532.30	331.00	.2070	.2844	.2844	.9500	.9437-02	.1297-01	1.243	7.977	585.0
549	1500.0	539.40	330.00	.2096	.2889	.2889	.9500	.9559-02	.1317-01	1.249	8.789	586.0
549	1525.0	424.00	332.00	.3018-01	.3889-01	.3889-01	.9500	.1376-02	.1773-02	.2201	1.680	556.7
549	1525.0	431.00	333.00	.3826-01	.4919-01	.4919-01	.9500	.1745-02	.2243-02	.2815	1.834	555.3
549	1525.0	440.00	334.00	.8059-01	.1055	.1055	.9500	.3675-02	.4809-02	.5585	3.518	564.7
549	1545.0	434.00	338.00	.3216-01	.4172-01	.4172-01	.9500	.1466-02	.1902-02	.2293	1.877	560.3
549	1545.0	443.00	339.00	.4550-01	.5865-01	.5865-01	.9500	.2075-02	.2674-02	.3315	1.881	556.9

IH102 60-0 OMS POD (R4WS27)

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
540	3.514	4.020	-14.45	.0000	57.92	709.7	167.7	.3714	4.202	2552.	.5979-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
540	.4549-01	.1239-01

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	P/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
540	1325.0	428.60	298.00	.3566-01	.4492-01	.4492-01	.9500	.1622-02	.2043-02	.2792	2.080	537.6
540	1325.0	489.20	299.00	.1393	.2085	.2085	.9500	.6336-02	.9483-02	.6776	4.443	602.7
540	1325.0	506.70	301.00	.1902	.2938	.2938	.9500	.8652-02	.1336-01	.8707	6.708	609.0
540	1325.0	511.30	300.00	.2053	.3778	.3778	.9500	.9341-02	.1718-01	.7262	5.163	631.9
540	1350.0	440.40	302.00	.2653-01	.3340-01	.3340-01	.9500	.1207-02	.1520-02	.2083	1.940	537.1
540	1350.0	458.60	303.00	.6067-01	.7723-01	.7723-01	.9500	.2760-02	.3513-02	.4568	3.392	544.2
540	1350.0	498.50	304.00	.1522	.2062	.2062	.9500	.6921-02	.9382-02	.9365	6.421	574.4
540	1350.0	515.50	306.00	.1854	.2624	.2624	.9500	.8432-02	.1194-01	1.018	7.157	588.9
540	1350.0	524.40	305.00	.1910	.2678	.2678	.9500	.8687-02	.1218-01	1.074	8.083	586.0
540	1375.0	421.60	308.00	.2151-01	.2765-01	.2765-01	.9500	.9785-03	.1258-02	.1564	2.172	549.8
540	1375.0	440.00	309.00	.2752-01	.3490-01	.3490-01	.9500	.1252-02	.1587-02	.2100	2.037	541.9
540	1375.0	460.00	310.00	.6430-01	.8081-01	.8081-01	.9500	.2925-02	.3676-02	.5080	3.246	536.0
540	1375.0	503.40	311.00	.1201	.1580	.1580	.9500	.5462-02	.7186-02	.8080	6.372	561.7
540	1375.0	531.00	312.00	.1722	.2317	.2317	.9500	.7835-02	.1054-01	1.083	7.677	571.5
540	1400.0	523.40	313.00	.1598	.2238	.2238	.9500	.7271-02	.1018-01	.9032	7.300	585.4
540	1425.0	415.10	315.00	.4381-01	.5600-01	.5600-01	.9500	.1993-02	.2548-02	.3246	2.330	546.8
540	1425.0	437.70	316.00	.5047-01	.6452-01	.6452-01	.9500	.2296-02	.2935-02	.3741	2.774	546.7
540	1425.0	466.30	317.00	.5172-01	.6427-01	.6427-01	.9500	.2353-02	.2923-02	.4279	2.529	527.8
540	1425.0	508.60	318.00	.1124	.1484	.1484	.9500	.5112-02	.6749-02	.7479	6.112	563.4
540	1425.0	536.50	319.00	.1573	.2111	.2111	.9500	.7156-02	.9603-02	.9967	7.304	570.4
540	1450.0	418.20	320.00	.3931-01	.5034-01	.5034-01	.9500	.1788-02	.2290-02	.2897	2.801	547.7

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
540	1450.0	436.00	321.00	.5660-01	.7251-01	.7251-01	.9500	.2575-02	.3299-02	.4162	3.191	518.0
540	1450.0	468.20	322.00	.3970-01	.4937-01	.4937-01	.9500	.1806-02	.2246-02	.3273	2.227	528.4
540	1450.0	511.10	323.00	.9480-01	.1244	.1244	.9500	.4312-02	.5659-02	.6431	5.683	560.5
540	1500.0	437.00	327.00	.4455-01	.5622-01	.5622-01	.9500	.2027-02	.2557-02	.3465	2.669	538.7
540	1500.0	470.40	328.00	.3385-01	.4183-01	.4183-01	.9500	.1540-02	.1903-02	.2862	1.789	523.8
540	1500.0	514.00	329.00	.8280-01	.1060	.1060	.9500	.3767-02	.4821-02	.6112	4.385	547.4
540	1500.0	532.30	331.00	.1033	.1338	.1338	.9500	.4701-02	.6087-02	.7325	4.776	553.9
540	1500.0	539.40	330.00	.1008	.1304	.1304	.9500	.4588-02	.5932-02	.7181	5.137	553.1
540	1525.0	424.00	332.00	.2242-01	.2778-01	.2778-01	.9500	.1020-02	.1264-02	.1875	1.454	525.8
540	1525.0	431.00	333.00	.4075-01	.5103-01	.5103-01	.9500	.1854-02	.2321-02	.3267	2.152	533.5
540	1525.0	440.00	334.00	.4138-01	.5174-01	.5174-01	.9500	.1882-02	.2354-02	.3335	2.135	532.5
540	1545.0	434.00	338.00	.3166-01	.3937-01	.3937-01	.9500	.1440-02	.1791-02	.2608	2.169	528.6
540	1545.0	443.00	339.00	.4061-01	.5069-01	.5069-01	.9500	.1847-02	.2306-02	.3294	1.894	531.3

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
537	3.506	4.020	.0000	-14.33	57.91	710.7	167.9	.3714	4.201	2554.	.5970-02	.1351-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
537	.4550-01	.1240-01

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
537	1325.0	428.60	298.00	.1228	.1604	.1604	.9500	.5588-02	.7296-02	.8479	6.249	558.9
537	1325.0	489.20	299.00	.1244	.1787	.1787	.9500	.5658-02	.8130-02	.6612	4.354	593.8
537	1325.0	506.70	301.00	.4801-01	.6265-01	.6265-01	.9500	.2185-02	.2850-02	.3323	2.625	558.6
537	1325.0	511.30	300.00	.7827-01	.1122	.1122	.9500	.3561-02	.5104-02	.4186	3.033	593.1
537	1350.0	440.40	302.00	.1599	.2254	.2254	.9500	.7274-02	.1026-01	.8885	8.066	588.5
537	1350.0	458.60	303.00	.2116	.3049	.3049	.9500	.9627-02	.1387-01	1.118	8.094	594.6
537	1350.0	498.50	304.00	.1512	.2063	.2063	.9500	.6881-02	.9384-02	.9164	6.274	577.5
537	1350.0	515.50	306.00	.9206-01	.1190	.1190	.9500	.4189-02	.5416-02	.6569	4.698	553.8
537	1350.0	524.40	305.00	.8306-01	.1078	.1078	.9500	.3779-02	.4903-02	.5860	4.475	555.6
537	1375.0	421.60	308.00	.7643-01	.1043	.1043	.9500	.3477-02	.4747-02	.4620	6.325	577.8
537	1375.0	440.00	309.00	.1772	.2525	.2525	.9500	.8063-02	.1149-01	.9612	9.093	591.5
537	1375.0	460.00	310.00	.2584	.3565	.3565	.9500	.1176-01	.1622-01	1.519	9.491	581.5
537	1375.0	503.40	311.00	.1279	.1686	.1686	.9500	.5821-02	.7672-02	.8574	6.756	563.4
537	1375.0	531.00	312.00	.7526-01	.9476-01	.9476-01	.9500	.3424-02	.4312-02	.5913	4.262	538.0
537	1400.0	523.40	313.00	.5242-01	.6709-01	.6709-01	.9500	.2385-02	.3052-02	.3875	3.191	548.2
537	1425.0	415.10	315.00	.1485	.1994	.1994	.9500	.6756-02	.9071-02	.9405	6.667	571.5
537	1425.0	437.70	316.00	.1861	.2535	.2535	.9500	.8466-02	.1154-01	1.130	8.256	577.2
537	1425.0	466.30	317.00	.1986	.2601	.2601	.9500	.9036-02	.1183-01	1.359	7.901	560.3
537	1425.0	508.60	318.00	.1117	.1462	.1462	.9500	.5084-02	.6651-02	.7669	6.278	559.8
537	1425.0	536.50	319.00	.8013-01	.1012	.1012	.9500	.3646-02	.4604-02	.6224	4.631	540.0
537	1450.0	418.20	320.00	.1174	.1576	.1576	.9500	.5342-02	.7170-02	.7448	7.116	571.3

IH102 60-0 OMS POD (R4WS21)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
537	1450.0	436.00	321.00	.1615	.2164	.2164	.9500	.7349-02	.9844-02	1.030	7.810	570.5
537	1450.0	468.20	322.00	.1695	.2236	.2236	.9500	.7714-02	.1017-01	1.134	7.580	563.7
537	1450.0	511.10	323.00	.9993-01	.1305	.1305	.9500	.4547-02	.5940-02	.6890	6.093	559.1
537	1500.0	437.00	327.00	.9708-01	.1241	.1241	.9500	.4417-02	.5646-02	.7210	5.529	547.4
537	1500.0	470.40	328.00	.1226	.1556	.1556	.9500	.5578-02	.7080-02	.9349	5.788	543.1
537	1500.0	514.00	329.00	.9232-01	.1178	.1178	.9500	.4200-02	.5361-02	.6896	4.950	546.5
537	1500.0	532.30	331.00	.6068-01	.7639-01	.7639-01	.9500	.2761-02	.3476-02	.4772	3.137	537.8
537	1500.0	539.40	330.00	.5457-01	.6839-01	.6839-01	.9500	.2483-02	.3112-02	.4364	3.150	534.9
537	1525.0	424.00	332.00	.3725-01	.4587-01	.4587-01	.9500	.1695-02	.2087-02	.3202	2.488	521.7
537	1525.0	431.00	333.00	.9298-01	.1176	.1176	.9500	.4231-02	.5352-02	.7174	4.708	541.1
537	1525.0	440.00	334.00	.8748-01	.1114	.1114	.9500	.3980-02	.5070-02	.6583	4.188	545.3
537	1545.0	434.00	338.00	.4585-01	.5675-01	.5675-01	.9500	.2086-02	.2582-02	.3860	3.215	525.6
537	1545.0	443.00	339.00	.8267-01	.1035	.1035	.9500	.3761-02	.4711-02	.6629	3.805	534.4

IH102 60-0 OMS POD (R4WS29)

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
534	3.517	4.020	.2000-01	.1396-04	57.96	709.7	167.7	.3717	4.205	2552.	.5983-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
534	.4551-01	.1239-01

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
534	1325.0	428.60	298.00	.2701-01	.3451-01	.3451-01	.9500	.1229-02	.1570-02	.2006	1.488	546.4
534	1325.0	489.20	299.00	.1134	.1558	.1558	.9500	.5162-02	.7091-02	.6733	4.466	579.2
534	1325.0	506.70	301.00	.1163	.1662	.1662	.9500	.5294-02	.7565-02	.6258	4.863	591.5
534	1325.0	511.30	300.00	.1718	.2673	.2673	.9500	.7820-02	.1216-01	.7771	5.584	610.3
534	1350.0	440.40	302.00	.3178-01	.4173-01	.4173-01	.9500	.1446-02	.1899-02	.2151	1.980	560.9
534	1350.0	458.60	303.00	.6813-01	.9250-01	.9250-01	.9500	.3100-02	.4209-02	.4176	3.053	575.0
534	1350.0	498.50	304.00	.1210	.1658	.1658	.9500	.5506-02	.7544-02	.7231	4.948	578.3
534	1350.0	515.50	306.00	.9656-01	.1302	.1302	.9500	.4394-02	.5924-02	.6039	4.279	572.3
534	1350.0	524.40	305.00	.9588-01	.1296	.1296	.9500	.4363-02	.5896-02	.5956	4.509	573.2
534	1375.0	421.60	308.00	.1950-01	.2541-01	.2541-01	.9500	.8875-03	.1156-02	.1354	1.873	557.1
534	1375.0	440.00	309.00	.3502-01	.4636-01	.4636-01	.9500	.1594-02	.2110-02	.2312	2.217	564.6
534	1375.0	460.00	310.00	.8110-01	.1080	.1080	.9500	.3691-02	.4913-02	.5263	3.312	567.1
534	1375.0	503.40	311.00	.7848-01	.1047	.1047	.9500	.3571-02	.4764-02	.5061	3.979	567.9
534	1375.0	531.00	312.00	.6775-01	.8860-01	.8860-01	.9500	.3083-02	.4032-02	.4650	3.317	558.9
534	1400.0	523.40	313.00	.6955-01	.9302-01	.9302-01	.9500	.3165-02	.4233-02	.4452	3.627	569.0
534	1425.0	415.10	315.00	.4488-01	.5833-01	.5833-01	.9500	.2042-02	.2654-02	.3143	2.245	555.8
534	1425.0	437.70	316.00	.5202-01	.6831-01	.6831-01	.9500	.2367-02	.3109-02	.3522	2.593	560.9
534	1425.0	466.30	317.00	.6377-01	.8286-01	.8286-01	.9500	.2902-02	.3771-02	.4471	2.606	555.6
534	1425.0	508.60	318.00	.4870-01	.6406-01	.6406-01	.9500	.2216-02	.2915-02	.3280	2.683	561.7
534	1425.0	536.50	319.00	.4921-01	.6402-01	.6402-01	.9500	.2239-02	.2913-02	.3435	2.536	556.3
534	1450.0	418.20	320.00	.3975-01	.5194-01	.5194-01	.9500	.1809-02	.2364-02	.2735	2.630	558.5

IH102 60-0 OMS POD (R4WS29)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
534	1450.0	436.00	321.00	.5138-01	.6728-01	.6728-01	.9500	.2338-02	.3062-02	.3510	2.676	559.5
534	1450.0	468.20	322.00	.5361-01	.6975-01	.6975-01	.9500	.2439-02	.3174-02	.3740	2.509	556.4
534	1450.0	511.10	323.00	.3765-01	.4933-01	.4933-01	.9500	.1713-02	.2245-02	.2566	2.268	559.9
534	1500.0	437.00	327.00	.3763-01	.4867-01	.4867-01	.9500	.1713-02	.2215-02	.2681	2.050	553.1
534	1500.0	470.40	328.00	.4983-01	.6437-01	.6437-01	.9500	.2268-02	.2929-02	.3562	2.195	552.6
534	1500.0	514.00	329.00	.3142-01	.4074-01	.4074-01	.9500	.1430-02	.1854-02	.2217	1.585	554.6
534	1500.0	532.30	331.00	.4246-01	.5526-01	.5526-01	.9500	.1932-02	.2515-02	.2960	1.927	556.5
534	1500.0	539.40	330.00	.4128-01	.5366-01	.5366-01	.9500	.1878-02	.2442-02	.2889	2.064	555.9
534	1525.0	424.00	332.00	.1369-01	.1742-01	.1742-01	.9500	.6229-03	.7926-03	.1032	.7929	544.0
534	1525.0	431.00	333.00	.3794-01	.4903-01	.4903-01	.9500	.1727-02	.2231-02	.2709	1.767	552.8
534	1525.0	440.00	334.00	.3457-01	.4494-01	.4494-01	.9500	.1573-02	.2045-02	.2419	1.531	555.3
534	1545.0	434.00	338.00	.1579-01	.2020-01	.2020-01	.9500	.7187-03	.9191-03	.1169	.9633	547.0
534	1545.0	443.00	339.00	.3374-01	.4346-01	.4346-01	.9500	.1535-02	.1978-02	.2437	1.387	551.0

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
489	3.533	3.010	-5.022	-11.00	34.12	709.7	252.4	.9151	5.804	2344.	.9787-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
489	.5343-01	.9677-02

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
489	1325.0	428.60	298.00	.9445-01	.1354	.1354	.9500	.5046-02	.7236-02	.5916	4.288	592.4
489	1325.0	489.20	299.00	.1445	.2971	.2971	.9500	.7720-02	.1587-01	.5333	3.433	640.6
489	1325.0	506.70	301.00	.9117-01	.1290	.1290	.9500	.4871-02	.6892-02	.5893	4.586	588.7
489	1325.0	511.30	300.00	.1089	.1979	.1979	.9500	.5818-02	.1057-01	.4589	3.265	630.8
489	1350.0	440.40	302.00	.1088	.1802	.1802	.9500	.5812-02	.9629-02	.5202	4.650	620.2
489	1350.0	458.60	303.00	.1737	.3019	.3019	.9500	.9278-02	.1613-01	.7750	5.526	626.1
489	1350.0	498.50	304.00	.1915	.3152	.3152	.9500	.1023-01	.1684-01	.9250	6.204	619.3
489	1350.0	515.50	306.00	.8963-01	.1224	.1224	.9500	.4789-02	.6540-02	.6344	4.484	577.2
489	1350.0	524.40	305.00	.1101	.1574	.1574	.9500	.5881-02	.8407-02	.6947	5.212	591.5
489	1375.0	421.60	308.00	.5567-01	.8693-01	.8693-01	.9500	.2974-02	.4644-02	.2936	3.954	611.0
489	1375.0	440.00	309.00	.1276	.2187	.2187	.9500	.6818-02	.1168-01	.5811	5.409	624.4
489	1375.0	460.00	310.00	.2261	.3685	.3685	.9500	.1208-01	.1968-01	1.109	6.804	617.9
489	1375.0	503.40	311.00	.1541	.2374	.2374	.9500	.8232-02	.1268-01	.8323	6.413	608.6
489	1375.0	531.00	312.00	.9752-01	.1313	.1313	.9500	.5210-02	.7016-02	.7182	5.090	571.8
489	1400.0	523.40	313.00	.9428-01	.1366	.1366	.9500	.5037-02	.7300-02	.5765	4.637	595.2
489	1425.0	415.10	315.00	.1174	.1755	.1755	.9500	.6272-02	.9374-02	.6725	4.694	602.4
489	1425.0	437.70	316.00	.1589	.2464	.2464	.9500	.8487-02	.1316-01	.8476	6.092	609.8
489	1425.0	466.30	317.00	.2024	.2977	.2977	.9500	.1081-01	.1590-01	1.199	6.840	598.8
489	1425.0	508.60	318.00	.1297	.1962	.1962	.9500	.6928-02	.1048-01	.7253	5.806	605.0
489	1425.0	536.50	319.00	.9441-01	.1300	.1300	.9500	.5044-02	.6947-02	.6534	4.765	580.1
489	1450.0	418.20	320.00	.1022	.1533	.1533	.9500	.5460-02	.8190-02	.5811	5.465	603.2

IH102 60-OTS OMS POD (R4WS30)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
489	1450.0	436.00	321.00	.1448	.2177	.2177	.9500	.7736-02	.1163-01	.8196	6.112	603.7
489	1450.0	468.20	322.00	.1678	.2478	.2473	.9500	.8965-02	.1324-01	.9851	6.468	599.8
489	1450.0	511.10	323.00	.1118	.1667	.1667	.9500	.5972-02	.8908-02	.6430	5.567	602.0
489	1500.0	437.00	327.00	.9213-01	.1268	.1263	.9500	.4922-02	.6774-02	.6389	4.821	579.9
489	1500.0	470.40	328.00	.1238	.1696	.1695	.9500	.6612-02	.9060-02	.8684	5.282	578.3
489	1500.0	514.00	329.00	.1132	.1587	.1587	.9500	.6047-02	.8476-02	.7489	5.270	585.8
489	1500.0	532.30	331.00	.9701-01	.1314	.1314	.9500	.5183-02	.7021-02	.7023	4.532	574.2
489	1500.0	539.40	330.00	.9810-01	.1345	.1345	.9500	.5241-02	.7184-02	.6876	4.857	578.5
489	1525.0	424.00	332.00	.4626-01	.5941-01	.5941-01	.9500	.2471-02	.3174-02	.3960	3.034	549.4
489	1525.0	431.00	333.00	.9721-01	.1321	.1321	.9500	.5194-02	.7057-02	.6979	4.502	575.3
489	1525.0	440.00	334.00	.9548-01	.1309	.1309	.9500	.5101-02	.6994-02	.6688	4.184	578.6
489	1545.0	434.00	338.00	.5019-01	.6483-01	.6483-01	.9500	.2681-02	.3464-02	.4211	3.460	552.6
489	1545.0	443.00	339.00	.8611-01	.1138	.1138	.9500	.4600-02	.6080-02	.6709	3.794	563.8

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
500	1.041	3.010	-4.952	-5.935	9.708	692.7	246.3	.2603	1.651	2316.	.2853-02	.1972-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
500	.2837-01	.1786-01

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
500	1325.0	428.60	298.00	.6516-01	.8309-01	.8309-01	.9500	.1849-02	.2358-02	.2967	2.216	532.2
500	1325.0	489.20	299.00	.2541	.3606	.3606	.9500	.7208-02	.1023-01	.8447	5.613	575.5
500	1325.0	506.70	301.00	.1223	.1688	.1688	.9500	.3471-02	.4789-02	.4368	3.436	566.8
500	1325.0	511.30	300.00	.2465	.3719	.3719	.9500	.6995-02	.1055-01	.7188	5.217	589.9
500	1350.0	440.40	302.00	.9285-01	.1196	.1196	.9500	.2634-02	.3394-02	.4078	3.797	537.9
500	1350.0	458.60	303.00	.1630	.2144	.2144	.9500	.4626-02	.6082-02	.6692	4.960	548.0
500	1350.0	498.50	304.00	.2160	.2887	.2887	.9500	.6128-02	.8191-02	.8427	5.834	555.2
500	1350.0	515.50	306.00	.1212	.1599	.1599	.9500	.3440-02	.4537-02	.4929	3.533	549.4
500	1350.0	524.40	305.00	.1477	.1955	.1955	.9500	.4190-02	.5546-02	.5935	4.544	551.0
500	1375.0	421.60	308.00	.3946-01	.5130-01	.5130-01	.9500	.1120-02	.1455-02	.1681	2.342	542.6
500	1375.0	440.00	309.00	.9351-01	.1210	.1210	.9500	.2653-02	.3433-02	.4047	3.928	540.1
500	1375.0	460.00	310.00	.1617	.2086	.2086	.9500	.4589-02	.5919-02	.7072	4.514	538.6
500	1375.0	503.40	311.00	.1290	.1667	.1667	.9500	.3660-02	.4730-02	.5605	4.470	539.6
500	1375.0	531.00	312.00	.9243-01	.1182	.1182	.9500	.2623-02	.3353-02	.4170	3.013	533.6
500	1400.0	523.40	313.00	.1208	.1578	.1578	.9500	.3428-02	.4476-02	.5068	4.180	544.8
500	1425.0	415.10	315.00	.7500-01	.9716-01	.9716-01	.9500	.2128-02	.2757-02	.3231	2.325	540.9
500	1425.0	437.70	316.00	.9543-01	.1224	.1224	.9500	.2708-02	.3474-02	.4253	3.172	535.6
500	1425.0	466.30	317.00	.1153	.1458	.1458	.9500	.3271-02	.4138-02	.5409	3.198	527.3
500	1425.0	508.60	318.00	.8731-01	.1117	.1117	.9500	.2477-02	.3170-02	.3925	3.254	534.2
500	1425.0	536.50	319.00	.7064-01	.8970-01	.8970-01	.9500	.2004-02	.2545-02	.3266	2.443	529.7
500	1450.0	418.20	320.00	.6039-01	.7809-01	.7809-01	.9500	.1714-02	.2216-02	.2619	2.542	539.8

IH102 60-OTS OMS POD (R4WS31)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
500	1450.0	436.00	321.00	.8357-01	.1069	.1069	9500	.2371-02	.3034-02	.3756	2.900	534.2
500	1450.0	468.20	322.00	.9158-01	.1157	.1157	9500	.2598-02	.3283-02	.4314	2.938	526.6
500	1450.0	511.10	323.00	.7608-01	.9733-01	.9733-01	9500	.2159-02	.2762-02	.3424	3.066	534.1
500	1500.0	437.00	327.00	.5549-01	.6999-01	.6999-01	9500	.1575-02	.1986-02	.2632	2.041	525.5
500	1500.0	470.40	328.00	.7122-01	.8909-01	.8909-01	9500	.2021-02	.2528-02	.3490	2.187	520.0
500	1500.0	514.00	329.00	.6798-01	.8625-01	.8625-01	9500	.1929-02	.2447-02	.3153	2.283	529.2
500	1500.0	532.30	331.00	.7351-01	.9332-01	.9332-01	9500	.2086-02	.2648-02	.3402	2.246	529.5
500	1500.0	539.40	330.00	.6402-01	.8123-01	.8123-01	9500	.1817-02	.2305-02	.2970	2.151	529.2
500	1525.0	424.00	332.00	.2652-01	.3331-01	.3331-01	9500	.7525-03	.9452-03	.1278	.9928	522.8
500	1525.0	431.00	333.00	.5718-01	.7194-01	.7194-01	9500	.1622-02	.2041-02	.2738	1.813	523.9
500	1525.0	440.00	334.00	.6924-01	.8746-01	.8746-01	9500	.1964-02	.2482-02	.3265	2.097	526.5
500	1545.0	434.00	338.00	.1361-01	.1711-01	.1711-01	9500	.3861-03	.4854-03	.6533-01	.5448	523.4
500	1545.0	443.00	339.00	.4797-01	.6027-01	.6027-01	9500	.1361-02	.1710-02	.2311	1.334	522.9

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
482	3.539	3.010	-5.006	-5.979	34.11	708.7	352.0	.9147	5.801	2342.	.9796-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
482	.5340-01	.9671-02

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
482	1325.0	428.60	298.00	.5566-01	.7560-01	.7560-01	.9500	.2972-02	.4037-02	.3992	2.920	574.4
482	1325.0	489.20	299.00	.1314	.2675	.2675	.9500	.7017-02	.1429-01	.4887	3.148	639.0
482	1325.0	506.70	301.00	.1141	.1759	.1759	.9500	.6090-02	.9395-02	.6135	4.728	607.9
482	1325.0	511.30	300.00	.1248	.2712	.2712	.9500	.6662-02	.1448-01	.4372	3.092	643.0
482	1350.0	440.40	302.00	.5611-01	.7952-01	.7952-01	.9500	.2996-02	.4246-02	.3605	3.273	588.3
482	1350.0	458.60	303.00	.9475-01	.1450	.1450	.9500	.5059-02	.7744-02	.5170	3.722	606.5
482	1350.0	498.50	304.00	.1691	.2829	.2829	.9500	.9030-02	.1511-01	.7955	5.332	620.6
482	1350.0	515.50	306.00	.1175	.1689	.1689	.9500	.6272-02	.9019-02	.7297	5.119	592.3
482	1350.0	524.40	305.00	.1201	.1794	.1794	.9500	.6416-02	.9582-02	.6879	5.135	601.4
482	1375.0	421.60	308.00	.2895-01	.4042-01	.4042-01	.9500	.1546-02	.2159-02	.1931	2.635	583.8
482	1375.0	440.00	309.00	.6489-01	.9424-01	.9424-01	.9500	.3465-02	.5032-02	.3943	3.723	594.9
482	1375.0	460.00	310.00	.1496	.2232	.2232	.9500	.7989-02	.1192-01	.8585	5.311	601.2
482	1375.0	503.40	311.00	.1387	.2116	.2116	.9500	.7408-02	.1130-01	.7621	5.880	605.8
482	1375.0	531.00	312.00	.1105	.1534	.1534	.9500	.5900-02	.8194-02	.7468	5.265	582.1
482	1400.0	523.40	313.00	.9831-01	.1468	.1468	.9500	.5250-02	.7841-02	.5628	4.513	601.5
482	1425.0	415.10	315.00	.6195-01	.8571-01	.8571-01	.9500	.3308-02	.4577-02	.4227	2.983	580.9
482	1425.0	437.70	316.00	.1019	.1470	.1470	.9500	.5442-02	.7850-02	.6287	4.556	593.1
482	1425.0	466.30	317.00	.1595	.2283	.2283	.9500	.8517-02	.1219-01	1.002	5.736	591.1
482	1425.0	508.60	318.00	.1094	.1613	.1613	.9500	.5840-02	.8615-02	.6424	5.158	598.7
482	1425.0	536.50	319.00	.9780-01	.1365	.1365	.9500	.5222-02	.7290-02	.6524	4.750	583.7
482	1450.0	418.20	320.00	.5953-01	.8323-01	.8323-01	.9500	.3179-02	.4444-02	.3955	3.755	584.2

IH102 60-OTS OMS POD (R4WS31)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
482	1450.0	436.00	321.00	.1018	.1454	.1454	.9500	.5434-02	.7764-02	.6415	4.815	590.6
482	1450.0	468.20	322.00	.1355	.1948	.1948	.9500	.7234-02	.1040-01	.8418	5.548	592.3
482	1450.0	511.10	323.00	.9347-01	.1364	.1364	.9500	.4991-02	.7281-02	.5622	4.882	596.0
482	1500.0	437.00	327.00	.7387-01	.1006	.1006	.9500	.3945-02	.5374-02	.5255	3.974	575.4
482	1500.0	470.40	328.00	.1039	.1409	.1409	.9500	.5546-02	.7524-02	.7476	4.558	573.9
482	1500.0	514.00	329.00	.9460-01	.1305	.1305	.9500	.5052-02	.6969-02	.6505	4.592	579.9
482	1500.0	532.30	331.00	.8916-01	.1210	.1210	.9500	.4761-02	.6460-02	.6414	4.140	574.0
482	1500.0	539.40	330.00	.8520-01	.1161	.1161	.9500	.4550-02	.6202-02	.6051	4.281	575.7
482	1525.0	424.00	332.00	.3648-01	.4692-01	.4692-01	.9500	.1948-02	.2506-02	.3099	2.374	549.5
482	1525.0	431.00	333.00	.7969-01	.1075	.1075	.9500	.4255-02	.5739-02	.5833	3.770	571.6
482	1525.0	440.00	334.00	.7653-01	.1041	.1041	.9500	.4087-02	.5557-02	.5473	3.431	574.7
482	1545.0	434.00	338.00	.4096-01	.5287-01	.5287-01	.9500	.2187-02	.2823-02	.3442	2.829	551.3
482	1545.0	443.00	339.00	.6962-01	.9162-01	.9162-01	.9500	.3717-02	.4892-02	.5485	3.106	561.1

IH102 60-OTS OMS POD (R4WS32)

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
497	1.030	3.010	-4.938	-.1722-02	9.684	696.7	247.7	.2597	1.647	2323.	.2829-02	.1983-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
497	.2837-01	.1795-01

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
497	1325.0	428.60	298.00	.4953-01	.6339-01	.6339-01	.9500	.1405-02	.1798-02	.2238	1.668	537.4
497	1325.0	489.20	299.00	.1261	.1692	.1692	.9500	.3577-02	.4801-02	.4887	3.273	560.0
497	1325.0	506.70	301.00	.2448	.3417	.3417	.9500	.6944-02	.9694-02	.8528	6.685	573.9
497	1325.0	511.30	300.00	.3042	.4462	.4462	.9500	.8630-02	.1266-01	.9447	6.865	587.2
497	1350.0	440.40	302.00	.4818-01	.6214-01	.6214-01	.9500	.1367-02	.1763-02	.2119	1.970	541.6
497	1350.0	458.60	303.00	.1042	.1370	.1370	.9500	.2956-02	.3885-02	.4309	3.189	550.9
497	1350.0	498.50	304.00	.1401	.1842	.1842	.9500	.3975-02	.5224-02	.5789	4.016	551.0
497	1350.0	515.50	306.00	.1739	.2313	.2313	.9500	.4933-02	.6560-02	.6928	4.948	556.2
497	1350.0	524.40	305.00	.1639	.2166	.2166	.9500	.4648-02	.6145-02	.6648	5.082	553.6
497	1375.0	421.60	308.00	.2681-01	.3488-01	.3488-01	.9500	.7606-03	.9895-03	.1146	1.593	546.1
497	1375.0	440.00	309.00	.4980-01	.6442-01	.6442-01	.9500	.1413-02	.1828-02	.2167	2.100	543.3
497	1375.0	460.00	310.00	.9895-01	.1274	.1274	.9500	.2807-02	.3614-02	.4377	2.790	540.8
497	1375.0	503.40	311.00	.8878-01	.1142	.1142	.9500	.2518-02	.3238-02	.3946	3.146	540.0
497	1375.0	531.00	312.00	.1138	.1458	.1458	.9500	.3227-02	.4137-02	.5113	3.686	538.2
497	1400.0	523.40	313.00	.1142	.1486	.1486	.9500	.3238-02	.4215-02	.4869	4.013	546.3
497	1425.0	415.10	315.00	.5990-01	.7779-01	.7779-01	.9500	.1699-02	.2207-02	.2574	1.849	545.2
497	1425.0	437.70	316.00	.4971-01	.6366-01	.6366-01	.9500	.1410-02	.1806-02	.2241	1.670	537.7
497	1425.0	466.30	317.00	.6464-01	.8168-01	.8168-01	.9500	.1834-02	.2317-02	.3061	1.808	529.7
497	1425.0	508.60	318.00	.5611-01	.7140-01	.7140-01	.9500	.1592-02	.2025-02	.2590	2.148	534.0
497	1425.0	536.50	319.00	.7809-01	.9958-01	.9958-01	.9500	.2215-02	.2825-02	.3575	2.666	535.3
497	1450.0	418.20	320.00	.5136-01	.6650-01	.6650-01	.9500	.1457-02	.1886-02	.2229	2.160	543.7

IH102 60-OTS OMS POD (R4WS32)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
497	1450.0	436.00	321.00	.4699-01	.6004-01	.600 -01	.9500	.1333-02	.1703-02	.2137	1.648	536.3
497	1450.0	468.20	322.00	.4910-01	.6197-01	.619 -01	.9500	.1393-02	.1758-02	.2337	1.590	528.9
497	1450.0	511.10	323.00	.4514-01	.5737-01	.5737-01	.9500	.1280-02	.1627-02	.2092	1.875	533.3
497	1500.0	437.00	327.00	.2775-01	.3497-01	.3497-01	.9500	.7871-03	.9919-03	.1328	1.029	527.9
497	1500.0	470.40	328.00	.4212-01	.5268-01	.5268-01	.9500	.1195-02	.1494-02	.2076	1.299	522.9
497	1500.0	514.00	329.00	.3850-01	.4866-01	.4866-01	.9500	.1092-02	.1380-02	.1821	1.318	529.9
497	1500.0	532.30	331.00	.7571-01	.9604-01	.9604-01	.9500	.2148-02	.2724-02	.3534	2.330	532.1
497	1500.0	539.40	330.00	.7380-01	.9374-01	.9374-01	.9500	.2094-02	.2659-02	.3429	2.478	532.9
497	1525.0	424.00	332.00	.2752-01	.3468-01	.3468-01	.9500	.7806-03	.9837-03	.1317	1.020	527.9
497	1525.0	431.00	333.00	.2021-01	.2540-01	.2540-01	.9500	.5734-03	.7205-03	.9795-01	.6471	526.0
497	1525.0	440.00	334.00	.3683-01	.4643-01	.4643-01	.9500	.1045-02	.1317-02	.1760	1.130	528.2
497	1545.0	434.00	338.00	.1087-01	.1371-01	.1371-01	.9500	.3085-03	.3890-03	.5195-01	.4321	528.3
497	1545.0	443.00	339.00	.1928-01	.2424-01	.2424-01	.9500	.5470-03	.6875-03	.9324-01	.5375	526.2

IH102 60-OTS OMS POD (R4WS32)

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
471	3.510	3.010	-4.930	.0000	33.90	709.7	252.4	.9090	5.765	2344.	.9722-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
471	.5325-01	.9710-02

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
471	1325.0	428.60	298.00	.5312-01	.7140-01	.7140-01	.9500	.2829-02	.3802-02	.3922	2.873	571.0
471	1325.0	489.20	299.00	.1184	.1930	.1930	.9500	.6303-02	.1028-01	.5786	3.765	617.9
471	1325.0	506.70	301.00	.1330	.2254	.2254	.9500	.7081-02	.1200-01	.6127	4.688	623.1
471	1325.0	511.30	300.00	.1360	.2938	.2938	.9500	.7244-02	.1565-01	.4787	3.384	643.6
471	1350.0	440.40	302.00	.5918-01	.8118-01	.8118-01	.9500	.3151-02	.4322-02	.4126	3.764	578.7
471	1350.0	458.60	303.00	.1068	.1551	.1551	.9500	.5685-02	.8258-02	.6474	4.685	595.8
471	1350.0	498.50	304.00	.1301	.1982	.1982	.9500	.6929-02	.1055-01	.7163	4.835	606.3
471	1350.0	515.50	306.00	.1331	.2066	.2066	.9500	.7089-02	.1100-01	.7075	4.921	609.9
471	1350.0	524.40	305.00	.1288	.1997	.1997	.9500	.6857-02	.1063-01	.6853	5.095	609.7
471	1375.0	421.60	308.00	.3220-01	.4462-01	.4462-01	.9500	.1714-02	.2376-02	.2186	2.986	582.2
471	1375.0	440.00	309.00	.6923-01	.9659-01	.9659-01	.9500	.3696-02	.5143-02	.4619	4.384	584.4
471	1375.0	460.00	310.00	.1256	.1760	.1760	.9500	.6689-02	.9369-02	.8296	5.172	585.6
471	1375.0	503.40	311.00	.9079-01	.1302	.1302	.9500	.4834-02	.6933-02	.5667	4.401	592.4
471	1375.0	531.00	312.00	.1269	.1845	.1845	.9500	.6755-02	.9825-02	.7671	5.371	596.1
471	1400.0	523.40	313.00	.1065	.1590	.1590	.9500	.5670-02	.8464-02	.6096	4.886	602.2
471	1425.0	415.10	315.00	.7413-01	.1026	.1026	.9500	.3947-02	.5463-02	.5046	3.559	581.8
471	1425.0	437.70	316.00	.9109-01	.1272	.1272	.9500	.4850-02	.6774-02	.6059	4.409	584.7
471	1425.0	466.30	317.00	.1071	.1455	.1455	.9500	.5703-02	.7746-02	.7672	4.428	575.1
471	1425.0	508.60	318.00	.6531-01	.9116-01	.9116-01	.9500	.3477-02	.4854-02	.4351	3.518	584.5
471	1425.0	536.50	319.00	.1091	.1584	.1584	.9500	.5812-02	.8432-02	.6636	4.803	595.5
471	1450.0	418.20	320.00	.6607-01	.9203-01	.9203-01	.9500	.3518-02	.4900-02	.4429	4.202	583.9

IH102 60-OTS OMS POD (R4WS32)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
471	1450.0	436.00	321.00	.9211-01	.1287	.1287	.9500	.4905-02	.6855-02	.6117	4.604	584.9
471	1450.0	468.20	322.00	.9245-01	.1266	.1266	.9500	.4923-02	.6741-02	.6476	4.298	578.1
471	1450.0	511.10	323.00	.5497-01	.7606-01	.7606-01	.9500	.2927-02	.4050-02	.3746	3.275	581.7
471	1500.0	437.00	327.00	.6229-01	.8385-01	.8385-01	.9500	.3317-02	.4465-02	.4578	3.469	571.6
471	1500.0	470.40	328.00	.7437-01	.9909-01	.9909-01	.9500	.3960-02	.5276-02	.5632	3.444	567.4
471	1500.0	514.00	329.00	.5623-01	.7555-01	.7555-01	.9500	.2994-02	.4023-02	.4155	2.946	570.9
471	1500.0	532.30	331.00	.7596-01	.1023	.1023	.9500	.4045-02	.5449-02	.5569	3.598	572.0
471	1500.0	539.40	330.00	.7951-01	.1090	.1090	.9500	.4233-02	.5802-02	.5556	3.924	578.4
471	1525.0	424.00	332.00	.4143-01	.5387-01	.5387-01	.9500	.2206-02	.2868-02	.3391	2.589	556.0
471	1525.0	431.00	333.00	.6505-01	.8686-01	.8686-01	.9500	.3464-02	.4625-02	.4896	3.169	568.3
471	1525.0	440.00	334.00	.5116-01	.6835-01	.6835-01	.9500	.2724-02	.3640-02	.3843	2.416	568.6
471	1545.0	434.00	338.00	.3611-01	.4722-01	.4722-01	.9500	.1923-02	.2514-02	.2900	2.375	558.8
471	1545.0	443.00	339.00	.5722-01	.7519-01	.7519-01	.9500	.3047-02	.4004-02	.4523	2.562	561.2

IH102 60-0TS OMS POD (R4WS33)

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDI' IONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
488	3.526	3.010	-.2713-01	-10.97	34.05	709.7	252.4	.9132	5.792	2344.	.9766-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
488	.5337-01	.9687-02

TEST DA"A

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/T()	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
488	1325.0	428.60	298.00	.8639-01	.1240	.1240	.9500	.4611-02	.6618-02	.3393	3.908	592.7
488	1325.0	489.20	299.00	.1161	.2001	.2001	.9500	.6194-02	.1068-01	.5232	3.393	625.2
488	1325.0	506.70	301.00	.8128-01	.1116	.1116	.9500	.4338-02	.5954-02	.5670	4.433	579.0
488	1325.0	511.30	300.00	.9219-01	.1482	.1482	.9500	.4920-02	.7907-02	.4621	3.312	615.7
488	1350.0	440.40	302.00	.1107	.1828	.1828	.9500	.5905-02	.9757-02	.5308	4.746	619.8
488	1350.0	458.60	303.00	.1627	.2730	.2730	.9500	.8683-02	.1457-01	.7627	5.450	621.8
488	1350.0	498.50	304.00	.1499	.2256	.2256	.9500	.7999-02	.1204-01	.8458	5.715	603.9
488	1350.0	515.50	306.00	.1093	.1504	.1504	.9500	.5832-02	.8024-02	.7575	5.348	579.8
488	1350.0	524.40	305.00	.9571-01	.1315	.1315	.9500	.5108-02	.7019-02	.6657	5.024	579.3
488	1375.0	421.60	308.00	.5259-01	.8076-01	.8076-01	.9500	.2807-02	.4310-02	.2856	3.852	607.9
488	1375.0	440.00	309.00	.1291	.2181	.2181	.9500	.6892-02	.1164-01	.5994	5.584	622.7
488	1375.0	460.00	310.00	.2077	.3274	.3274	.9500	.1109-01	.1747-01	1.077	6.624	612.6
488	1375.0	503.40	311.00	.1203	.1746	.1746	.9500	.6421-02	.9318-02	.7327	5.682	595.6
488	1375.0	531.00	312.00	.8296-01	.1098	.1098	.9500	.4428-02	.5858-02	.6434	4.577	564.3
488	1400.0	523.40	313.00	.8408-01	.1160	.1160	.9500	.4487-02	.6188-02	.5792	4.693	580.6
488	1425.0	415.10	315.00	.1112	.1640	.1640	.9500	.5936-02	.8752-02	.6547	4.577	599.4
488	1425.0	437.70	316.00	.1513	.2308	.2308	.9500	.8075-02	.1232-01	.8321	5.990	606.6
488	1425.0	466.30	317.00	.1769	.2549	.2549	.9500	.9440-02	.1360-01	1.094	6.259	593.7
488	1425.0	508.60	318.00	.1087	.1574	.1574	.9500	.5803-02	.8399-02	.6663	5.360	594.9
488	1425.0	536.50	319.00	.8824-01	.1205	.1205	.9500	.4709-02	.6432-02	.6238	4.556	577.2
488	1450.0	418.20	320.00	.9264-01	.1368	.1368	.9500	.4944-02	.7303-02	.5432	5.117	599.8

IH102 60-0TS OMS POD (R4WS33)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
488	1450.0	436.00	321.00	.1339	.1982	.1982	.9500	.7145-02	.1058-01	.7812	5.835	600.3
488	1450.0	468.20	322.00	.1482	.2144	.2144	.9500	.7911-02	.1144-01	.9101	5.991	594.6
488	1450.0	511.10	323.00	.9211-01	.1322	.1322	.9500	.4916-02	.7055-02	.5753	5.004	592.6
488	1500.0	437.00	327.00	.8085-01	.1103	.1103	.9500	.4315-02	.5884-02	.5741	4.339	576.6
488	1500.0	470.40	328.00	.1085	.1472	.1472	.9500	.5793-02	.7854-02	.7834	4.774	574.4
488	1500.0	514.00	329.00	.9757-01	.1337	.1337	.9500	.5207-02	.7137-02	.6833	4.827	578.4
488	1500.0	532.30	331.00	.7319-01	.9740-01	.9740-01	.9500	.3906-02	.5198-02	.5577	3.613	566.9
488	1500.0	539.40	330.00	.7703-01	.1029	.1029	.9500	.4111-02	.5490-02	.5807	4.123	568.4
488	1525.0	424.00	332.00	.3919-01	.5031-01	.5031-01	.9500	.2091-02	.2685-02	.3355	2.570	549.3
488	1525.0	431.00	333.00	.8441-01	.1139	.1139	.9500	.4505-02	.6077-02	.6180	3.992	572.5
488	1525.0	440.00	334.00	.8118-01	.1100	.1100	.9500	.4332-02	.5871-02	.5865	3.677	574.3
488	1545.0	434.00	338.00	.4430-01	.5715-01	.5715-01	.9500	.2364-02	.3050-02	.3733	3.068	551.8
488	1545.0	443.00	339.00	.7422-01	.9766-01	.9766-01	.9500	.3961-02	.5212-02	.5857	3.316	561.8

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
492	3.510	3.010	-.6249-02	-5.946	33.90	709.7	252.4	.9090	5.765	2344.	.9722-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
492	.5325-01	.9710-02

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
492	1325.0	428.60	298.00	.8265-01	.1098	.1098	.9500	.4401-02	.5845-02	.6321	4.643	566.0
492	1325.0	489.20	299.00	.2120	.3484	.3484	.9500	.1129-01	.1855-01	1.024	6.658	619.0
492	1325.0	506.70	301.00	.1966-01	.2967-01	.2967-01	.9500	.1047-02	.1580-02	.1102	.8509	604.4
492	1325.0	511.30	300.00	.1423	.2469	.2469	.9500	.7579-02	.1314-01	.6352	4.530	625.9
492	1350.0	440.40	302.00	.1271	.1786	.1786	.9500	.6769-02	.9512-02	.8328	7.568	586.6
492	1350.0	458.60	303.00	.1759	.2561	.2561	.9500	.9365-02	.1364-01	1.061	7.677	596.4
492	1350.0	498.50	304.00	.1744	.2578	.2578	.9500	.9285-02	.1372-01	1.019	6.896	600.0
492	1350.0	515.50	306.00	.5641-01	.7899-01	.7899-01	.9500	.3003-02	.4206-02	.3728	2.624	585.6
492	1350.0	524.40	305.00	.1101	.1547	.1547	.9500	.5862-02	.8237-02	.7215	5.426	586.6
492	1375.0	421.60	308.00	.5750-01	.7950-01	.7950-01	.9500	.3062-02	.4233-02	.3926	5.365	581.4
492	1375.0	440.00	309.00	.1309	.1860	.1860	.9500	.6971-02	.9903-02	.8355	7.910	589.8
492	1375.0	460.00	310.00	.1910	.2675	.2675	.9500	.1017-01	.1424-01	1.262	7.868	585.6
492	1375.0	503.40	311.00	.1225	.1712	.1712	.9500	.6520-02	.9115-02	.8129	6.337	585.0
492	1375.0	531.00	312.00	.8266-01	.1100	.1100	.9500	.4401-02	.5856-02	.6287	4.466	566.8
492	1400.0	523.40	313.00	.6075-01	.8496-01	.8496-01	.9500	.3235-02	.4524-02	.4029	3.257	585.1
492	1425.0	415.10	315.00	.1076	.1469	.1469	.9500	.5729-02	.7820-02	.7602	5.373	577.0
492	1425.0	437.70	316.00	.1369	.1884	.1884	.9500	.7291-02	.1003-01	.9465	6.904	579.8
492	1425.0	466.30	317.00	.1613	.2168	.2168	.9500	.8588-02	.1154-01	1.190	6.884	571.1
492	1425.0	508.60	318.00	.1069	.1471	.1471	.9500	.5691-02	.7833-02	.7383	5.983	579.9
492	1425.0	536.50	319.00	.5830-01	.7744-01	.7744-01	.9500	.3104-02	.4123-02	.4457	3.274	566.1
492	1450.0	418.20	320.00	.8428-01	.1151	.1151	.9500	.4488-02	.6130-02	.5944	5.662	577.2

IH102 60-OTS OMS POD (R4WS36)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
492	1450.0	436.00	321.00	.1189	.1616	.1616	.9500	.6329-02	.8605-02	.8490	6.420	575.5
492	1450.0	468.20	322.00	.1362	.1835	.1835	.9500	.7252-02	.9773-02	.9976	6.640	572.1
492	1450.0	511.10	323.00	.9086-01	.1244	.1244	.9500	.4838-02	.6625-02	.6366	5.577	578.1
492	1500.0	437.00	327.00	.7466-01	.9736-01	.9736-01	.9500	.3975-02	.5184-02	.6050	4.817	557.5
492	1500.0	470.40	328.00	.9951-01	.1291	.1291	.9500	.5299-02	.6875-02	.8199	5.046	554.9
492	1500.0	514.00	329.00	.8511-01	.1123	.1123	.9500	.4532-02	.5980-02	.6640	4.726	563.2
492	1500.0	532.30	331.00	.6594-01	.8593-01	.8593-01	.9500	.3511-02	.4576-02	.5353	3.485	557.2
492	1500.0	539.40	330.00	.7215-01	.9412-01	.9412-01	.9500	.3842-02	.5012-02	.5840	4.168	557.7
492	1525.0	424.00	332.00	.3230-01	.4080-01	.4080-01	.9500	.1720-02	.2173-02	.2928	2.255	539.4
492	1525.0	431.00	333.00	.7924-01	.1021	.1021	.9500	.4219-02	.5438-02	.6678	4.360	551.4
492	1525.0	440.00	334.00	.7828-01	.1021	.1021	.9500	.4168-02	.5437-02	.6336	4.005	557.7
492	1545.0	434.00	338.00	.2420-01	.3065-01	.3065-01	.9500	.1288-02	.1632-02	.2170	1.793	541.2
492	1545.0	443.00	339.00	.6459-01	.8242-01	.8242-01	.9500	.3439-02	.4388-02	.5640	3.219	545.7

IH102 60-OTS OMS POD (R4WS38)

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
493	3.509	3.010	-.5104-02	-2.922	33.88	709.7	252.4	.9087	5.763	2344.	.9718-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
493	.5324-01	.9711-02

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
493	1325.0	428.60	298.00	.5603-01	.7309-01	.7309-01	.9500	.2983-02	.3891-02	.4535	3.345	557.6
493	1325.0	489.20	299.00	.7476-01	.1073	.1073	.9500	.3980-02	.5715-02	.4652	3.065	592.8
493	1325.0	506.70	301.00	.3857-01	.6139-01	.6139-01	.9500	.2053-02	.3268-02	.1960	1.506	614.2
493	1325.0	511.30	300.00	.5789-01	.1004	.1004	.9500	.3082-02	.5345-02	.2583	1.842	625.9
493	1350.0	440.40	302.00	.9159-01	.1223	.1223	.9500	.4876-02	.6511-02	.6888	6.316	568.4
493	1350.0	458.60	303.00	.1358	.1858	.1858	.9500	.7231-02	.9891-02	.9540	6.966	577.7
493	1350.0	498.50	304.00	.1005	.1416	.1416	.9500	.5348-02	.7537-02	.6534	4.451	587.5
493	1350.0	515.50	306.00	.8942-01	.1338	.1338	.9500	.4761-02	.7122-02	.5095	3.556	602.7
493	1350.0	524.40	305.00	.5985-01	.8771-01	.8771-01	.9500	.3186-02	.4669-02	.3559	2.662	598.0
493	1375.0	421.60	308.00	.4631-01	.6246-01	.6246-01	.9500	.2466-02	.3325-02	.3384	4.646	572.4
493	1375.0	440.00	309.00	.8832-01	.1192	.1192	.9500	.4702-02	.6344-02	.6445	6.154	572.6
493	1375.0	460.00	310.00	.1355	.1813	.1813	.9500	.7214-02	.9651-02	1.014	6.372	569.1
493	1375.0	503.40	311.00	.7050-01	.9669-01	.9669-01	.9500	.3753-02	.5148-02	.4917	3.845	578.7
493	1375.0	531.00	312.00	.6957-01	.9624-01	.9624-01	.9500	.3703-02	.5124-02	.4741	3.343	581.7
493	1400.0	523.40	313.00	.9207-01	.1310	.1310	.9500	.4902-02	.6977-02	.5848	4.715	590.4
493	1425.0	415.10	315.00	.8675-01	.1163	.1163	.9500	.4618-02	.6191-02	.6451	4.576	570.0
493	1425.0	437.70	316.00	.9725-01	.1299	.1299	.9500	.5177-02	.6917-02	.7305	5.358	568.6
493	1425.0	466.30	317.00	.1144	.1501	.1501	.9500	.6091-02	.7989-02	.9101	5.292	560.3
493	1425.0	508.60	318.00	.5002-01	.6840-01	.6840-01	.9500	.2663-02	.3641-02	.3518	2.854	577.6
493	1425.0	536.50	319.00	.5829-01	.8031-01	.8031-01	.9500	.3103-02	.4275-02	.4017	2.929	580.2
493	1450.0	418.20	320.00	.6920-01	.9299-01	.9299-01	.9500	.3684-02	.4950-02	.5111	4.884	570.9

IH102 60-OTS OMS POD (R4WS39)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
493	1450.0	436.00	321.00	.8829-01	.1175	.1175	.9500	.4700-02	.6257-02	.6703	5.090	567.1
493	1450.0	468.20	322.00	.1008	.1328	.1328	.9500	.5369-02	.7071-02	.7912	5.293	562.3
493	1450.0	511.10	323.00	.4176-01	.5689-01	.5689-01	.9500	.2223-02	.3029-02	.2966	2.601	576.2
493	1500.0	437.00	327.00	.5841-01	.7620-01	.7620-01	.9500	.3110-02	.4057-02	.4726	3.606	557.7
493	1500.0	470.40	328.00	.8365-01	.1080	.1080	.9500	.4453-02	.5750-02	.7008	4.319	552.3
493	1500.0	514.00	329.00	.4789-01	.6394-01	.6394-01	.9500	.2550+02	.3404-02	.3605	2.559	568.3
493	1500.0	532.30	331.00	.6973-01	.9421-01	.9421-01	.9500	.3712-02	.5015-02	.5071	3.275	573.1
493	1500.0	539.40	330.00	.4834-01	.6477-01	.6477-01	.9500	.2573-02	.3448-02	.3599	2.553	569.8
493	1525.0	424.00	332.00	.2296+01	.2977-01	.2977-01	.9500	.1222-02	.1585-02	.1896	1.449	554.6
493	1525.0	431.00	333.00	.6239-01	.8104-01	.8104-01	.9500	.3321-02	.4314-02	.5122	3.337	555.5
493	1525.0	440.00	334.00	.5847-01	.7683-01	.7683-01	.9500	.3113-02	.4090-02	.4623	2.917	561.2
493	1545.0	434.00	338.00	.1650-01	.2148-01	.2148-01	.9500	.8783-03	.1143-02	.1344	1.102	556.6
493	1545.0	443.00	339.00	.4958-01	.6427-01	.6427-01	.9500	.2639-02	.3421-02	.4098	2.329	554.4

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .000(SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
494	1.072	3.010	.3200-01	.1117-04	10.04	694.7	247.0	.2692	1.707	2319.	.2941-02	.1978-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
494	.2886-01	.1760-01

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
494	1325.0	428.60	298.00	.2109-01	.2737-01	.2737-01	.9500	.6089-03	.7900-03	.9224-01	.6852	543.2
494	1325.0	489.20	299.00	.2188	.3210	.3210	.9500	.6315-02	.9266-02	.6885	4.552	585.6
494	1325.0	506.70	301.00	.1393	.1965	.1965	.9500	.4022-02	.5673-02	.4799	3.759	575.3
494	1325.0	511.30	300.00	.2371	.3675	.3675	.9500	.6843-02	.1061-01	.6698	4.845	596.8
494	1350.0	440.40	302.00	.1584-01	.2075-01	.2075-01	.9500	.4573-03	.5991-03	.6710-01	.6217	547.9
494	1350.0	458.60	303.00	.5274-01	.7079-01	.7079-01	.9500	.1522-02	.2043-02	.2073	1.529	558.5
494	1350.0	498.50	304.00	.1506	.2075	.2075	.9500	.4346-02	.5990-02	.5499	3.782	568.1
494	1350.0	515.50	306.00	.1311	.1787	.1787	.9500	.3736-02	.5159-02	.4938	3.513	564.2
494	1350.0	524.40	305.00	.1134	.1532	.1532	.9500	.3273-02	.4422-02	.4373	3.331	561.1
494	1375.0	421.60	308.00	.1244-01	.1628-01	.1628-01	.9500	.3592-03	.4700-03	.5292-01	.7357	547.3
494	1375.0	440.00	309.00	.2269-01	.2989-01	.2989-01	.9500	.6549-03	.8627-03	.9442-01	.9116	550.5
494	1375.0	460.00	310.00	.6637-01	.8809-01	.8809-01	.9500	.1916-02	.2543-02	.2699	1.709	553.8
494	1375.0	503.40	311.00	.8066-01	.1079	.1079	.9500	.2328-02	.3113-02	.3207	2.535	556.9
494	1375.0	531.00	312.00	.7349-01	.9695-01	.9695-01	.9500	.2121-02	.2798-02	.3045	2.181	551.1
494	1400.0	523.40	313.00	.8284-01	.1116	.1116	.9500	.2391-02	.3223-02	.3218	2.634	560.1
494	1425.0	415.10	315.00	.4188-01	.5479-01	.5479-01	.9500	.1209-02	.1581-02	.1782	1.278	547.3
494	1425.0	437.70	316.00	.3935-01	.5163-01	.5163-01	.9500	.1136-02	.1490-02	.1658	1.228	548.7
494	1425.0	466.30	317.00	.5711-01	.7482-01	.7482-01	.9500	.1648-02	.2160-02	.2418	1.415	548.0
494	1425.0	508.60	318.00	.4868-01	.6446-01	.6446-01	.9500	.1405-02	.1861-02	.1993	1.638	552.8
494	1425.0	536.50	319.00	.5713-01	.7532-01	.7532-01	.9500	.1649-02	.2174-02	.2373	1.756	550.8
494	1450.0	418.20	320.00	.3558-01	.4667-01	.4667-01	.9500	.1027-02	.1347-02	.1500	1.450	548.5

IH102 60-0TS OMS POD (R4MS30)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
494	1450.0	436.00	321.00	.4129-01	.5414-01	.5414-01	.9500	.1192-02	.1563-02	.1744	1.337	548.3
494	1450.0	468.20	322.00	.4589-01	.6011-01	.6011-01	.9500	.1325-02	.1735-02	.1944	1.310	547.9
494	1450.0	511.10	323.00	.3922-01	.5185-01	.5185-01	.9500	.1132-02	.1497-02	.1614	1.432	552.1
494	1500.0	437.00	327.00	.2842-01	.3699-01	.3699-01	.9500	.8202-03	.1068-02	.1229	.9441	544.8
494	1500.0	470.40	328.00	.3761-01	.4876-01	.4876-01	.9500	.1086-02	.1407-02	.1649	1.021	542.8
494	1500.0	514.00	329.00	.3135-01	.4111-01	.4111-01	.9500	.9049-03	.1187-02	.1323	.9490	548.4
494	1500.0	532.30	331.00	.4458-01	.5822-01	.5822-01	.9500	.1287-02	.1681-02	.1907	1.248	546.4
494	1500.0	539.40	330.00	.5032-01	.6615-01	.6615-01	.9500	.1452-02	.1909-02	.2108	1.511	549.5
494	1525.0	424.00	332.00	.1914-01	.2473-01	.2473-01	.9500	.5524-03	.7139-03	.8483-01	.6526	541.1
494	1525.0	431.00	333.00	.2298-01	.2984-01	.2984-01	.9500	.6634-03	.8613-03	.1002	.6570	543.6
494	1525.0	440.00	334.00	.3307-01	.4321-01	.4321-01	.9500	.9545-03	.1247-02	.1412	.8977	546.7
494	1545.0	434.00	338.00	.1013-01	.1312-01	.1312-01	.9500	.2923-03	.3788-03	.4443-01	.3669	542.6
494	1545.0	443.00	339.00	.2069-01	.2684-01	.2684-01	.9500	.5971-03	.7748-03	.9039-01	.5166	543.3

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
465	3.496	3.010	-.2200-01	.0000	33.76	709.7	252.4	.9053	5.742	2344.	.9682-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
465	.5314-01	.9729-02

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
465	1325.0	428.60	298.00	.4115-01	.5380-01	.5380-01	.9500	.2187-02	.2859-02	.3300	2.433	558.7
465	1325.0	489.20	299.00	.1910	.3595	.3595	.9500	.1015-01	.1910-01	.7689	4.965	633.9
465	1325.0	506.70	301.00	.1364	.2055	.2055	.9500	.7245-02	.1092-01	.7643	5.901	604.2
465	1325.0	511.30	300.00	.1210	.2313	.2313	.9500	.6428-02	.1229-01	.4780	3.393	635.3
465	1350.0	440.40	302.00	.3754-01	.4944-01	.4944-01	.9500	.1995-02	.2627-02	.2941	2.705	562.2
465	1350.0	458.60	303.00	.6261-01	.8429-01	.8429-01	.9500	.3327-02	.4479-02	.4590	3.361	571.7
465	1350.0	498.50	304.00	.1664	.2535	.2535	.9500	.8842-02	.1347-01	.9130	6.162	606.4
465	1350.0	515.50	306.00	.1230	.1805	.1805	.9500	.6536-02	.9594-02	.7277	5.090	598.3
465	1350.0	524.40	305.00	.1149	.1620	.1620	.9500	.6103-02	.8606-02	.7446	5.597	587.7
465	1375.0	421.60	308.00	.2133-01	.2812-01	.2812-01	.9500	.1134-02	.1494-02	.1668	2.300	562.6
465	1375.0	440.00	309.00	.4063-01	.5371-01	.5371-01	.9500	.2159-02	.2854-02	.3146	3.017	564.0
465	1375.0	460.00	310.00	.7533-01	.9958-01	.9958-01	.9500	.4003-02	.5292-02	.5834	3.676	563.9
465	1375.0	503.40	311.00	.1037	.1454	.1454	.9500	.5512-02	.7727-02	.6824	5.317	585.9
465	1375.0	531.00	312.00	.9547-01	.1280	.1280	.9500	.5073-02	.6803-02	.7079	5.021	570.1
465	1400.0	523.40	313.00	.8238-01	.1155	.1155	.9500	.4378-02	.6140-02	.5413	4.373	586.0
465	1425.0	415.10	315.00	.3831-01	.5004-01	.5004-01	.9500	.2036-02	.2659-02	.3083	2.199	558.3
465	1425.0	437.70	316.00	.5143-01	.6733-01	.6733-01	.9500	.2733-02	.3578-02	.4105	3.025	559.4
465	1425.0	466.30	317.00	.8248-01	.1076	.1076	.9500	.4383-02	.5719-02	.6657	3.876	557.8
465	1425.0	508.60	318.00	.8639-01	.1199	.1199	.9500	.4591-02	.6371-02	.5830	4.719	582.7
465	1425.0	536.50	319.00	.7923-01	.1075	.1075	.9500	.4210-02	.5713-02	.5678	4.152	574.8
465	1450.0	418.20	320.00	.3406-01	.4457-01	.4457-01	.9500	.1810-02	.2368-02	.2722	2.617	559.2

IH102 60-OTS OMS POD (R4WS39)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
465	1450.0	436.00	321.00	.5104-01	.6672-01	.6672-01	.9500	.2712-02	.3545-02	.4095	3.123	558.7
465	1450.0	468.20	322.00	.7529-01	.9876-01	.9875-01	.9500	.4001-02	.5248-02	.5974	4.000	560.3
465	1450.0	511.10	323.00	.7681-01	.1061	.1061	.9500	.4082-02	.5640-02	.5241	4.584	581.3
465	1500.0	437.00	327.00	.4254-01	.5477-01	.5477-01	.9500	.2260-02	.2911-02	.3590	2.748	550.8
465	1500.0	470.40	328.00	.7021-01	.9055-01	.9055-01	.9500	.3731-02	.4812-02	.5894	3.633	551.7
465	1500.0	514.00	329.00	.6813-01	.9050-01	.9050-01	.9500	.3620-02	.4809-02	.5196	3.693	566.1
465	1500.0	532.30	331.00	.6072-01	.7908-01	.7908-01	.9500	.3226-02	.4202-02	.4931	3.211	556.8
465	1500.0	539.40	330.00	.6677-01	.8861-01	.8861-01	.9500	.3548-02	.4709-02	.5107	3.631	565.7
465	1525.0	424.00	332.00	.2319-01	.2953-01	.2953-01	.9500	.1232-02	.1569-02	.2036	1.564	544.4
465	1525.0	431.00	333.00	.4462-01	.5752-01	.5752-01	.9500	.2371-02	.3056-02	.3751	2.449	551.5
465	1525.0	440.00	334.00	.5979-01	.7837-01	.7837-01	.9500	.3177-02	.4164-02	.4757	3.004	560.0
465	1545.0	434.00	338.00	.9560-02	.1226-01	.1226-01	.9500	.5080-03	.6514-03	.8189-01	.6742	548.5
465	1545.0	443.00	339.00	.3564-01	.4572-01	.4572-01	.9500	.1894-02	.2430-02	.3048	1.737	548.7

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
468	3.510	3.010	5.064	.0000	33.90	709.7	352.4	.9090	5.765	2344.	.9722-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
468	.5325-01	.9710-02

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
468	1325.0	428.60	298.00	.3223-01	.4230-01	.4230-01	.9500	.1716-02	.2252-02	.2559	1.885	560.5
468	1325.0	489.20	299.00	.1420	.2061	.2061	.9500	.7559-02	.1098-01	.8617	5.670	595.7
468	1325.0	506.70	301.00	.9607-01	.1480	.1480	.9500	.5116-02	.7881-02	.5173	3.986	608.5
468	1325.0	511.30	300.00	.2116	.4252	.4252	.9500	.1127-01	.2264-01	.7957	5.638	639.0
468	1350.0	440.40	302.00	.3185-01	.4304-01	.4304-01	.9500	.1696-02	.2292-02	.2314	2.117	573.2
468	1350.0	458.60	303.00	.5981-01	.8364-01	.8364-01	.9500	.3185-02	.4454-02	.3967	2.886	585.1
468	1350.0	498.50	304.00	.1201	.1694	.1694	.9500	.6397-02	.9019-02	.7808	5.319	587.6
468	1350.0	515.50	306.00	.1143	.1649	.1649	.9500	.6085-02	.8779-02	.7037	4.933	594.0
468	1350.0	524.40	305.00	.1182	.1699	.1699	.9500	.6295-02	.9048-02	.7341	5.504	593.0
468	1375.0	421.60	308.00	.1835-01	.2472-01	.2472-01	.9500	.9771-03	.1316-02	.1345	1.847	572.0
468	1375.0	440.00	309.00	.3999-01	.5468-01	.5468-01	.9500	.2129-02	.2912-02	.2812	2.678	577.6
468	1375.0	460.00	310.00	.8269-01	.1132	.1132	.9500	.4403-02	.6026-02	.5801	3.630	577.9
468	1375.0	503.40	311.00	.7307-01	.9991-01	.9991-01	.9500	.3891-02	.5320-02	.5140	4.022	577.6
468	1375.0	531.00	312.00	.8655-01	.1166	.1166	.9500	.4608-02	.6210-02	.6339	4.492	572.1
468	1400.0	523.40	313.00	.9526-01	.1372	.1372	.9500	.5072-02	.7307-02	.5886	4.738	593.6
468	1425.0	415.10	315.00	.4627-01	.6205-01	.6205-01	.9500	.2464-02	.3304-02	.3438	2.439	570.1
468	1425.0	437.70	316.00	.6161-01	.8305-01	.8305-01	.9500	.3280-02	.4422-02	.4508	3.300	572.3
468	1425.0	466.30	317.00	.8185-01	.1087	.1087	.9500	.4359-02	.5786-02	.6268	3.635	565.9
468	1425.0	508.60	318.00	.5260-01	.7097-01	.7097-01	.9500	.2801-02	.3779-02	.3839	3.123	572.6
468	1425.0	536.50	319.00	.7890-01	.1069	.1069	.9500	.4201-02	.5690-02	.5697	4.167	574.1
468	1450.0	418.20	320.00	.4138-01	.5562-01	.5562-01	.9500	.2203-02	.2961-02	.3054	2.918	571.1

IH102 60-OTS OMS POD (R4WS40)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
468	1450.0	436.00	321.00	.6039-01	.8087-01	.8087-01	.9500	.3215-02	.4306-02	.4505	3.417	569.6
468	1450.0	468.20	322.00	.6652-01	.8833-01	.8833-01	.9500	.3542-02	.4703-02	.5089	3.398	566.0
468	1450.0	511.10	323.00	.4405-01	.5919-01	.5919-01	.9500	.2345-02	.3151-02	.3254	2.861	570.9
468	1500.0	437.00	327.00	.4189-01	.5469-01	.5469-01	.9500	.2231-02	.2912-02	.3382	2.580	558.1
468	1500.0	470.40	328.00	.5262-01	.6803-01	.6803-01	.9500	.2802-02	.3623-02	.4389	2.704	553.0
468	1500.0	514.00	329.00	.4122-01	.5410-01	.5410-01	.9500	.2195-02	.2880-02	.3272	2.332	560.6
468	1500.0	532.30	331.00	.6374-01	.8390-01	.8390-01	.9500	.3394-02	.4467-02	.5013	3.255	562.0
468	1500.0	539.40	330.00	.7044-01	.9328-01	.9328-01	.9500	.3751-02	.4967-02	.5435	3.866	564.8
468	1525.0	424.00	332.00	.2134-01	.2738-01	.2738-01	.9500	.1136-02	.1458-02	.1828	1.401	548.8
468	1525.0	431.00	333.00	.3555-01	.4643-01	.4643-01	.9500	.1893-02	.2472-02	.2866	1.865	558.3
468	1525.0	440.00	334.00	.2918-01	.3788-01	.3788-01	.9500	.1554-02	.2017-02	.2400	1.519	555.2
468	1545.0	434.00	338.00	.1183-01	.1538-01	.1538-01	.9500	.6296-03	.8188-03	.9672-01	.7933	556.1
468	1545.0	443.00	339.00	.2917-01	.3779-01	.3779-01	.9500	.1553-02	.2012-02	.2417	1.374	554.0

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
508	3.507	4.020	-4.952	-10.93	57.69	708.7	167.5	.3700	4.185	2550.	.5963-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
508	.4539-01	.1240-01

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
508	1325.0	428.60	298.00	.1026	.1346	.1346	.9500	.4656-02	.6110-02	.6931	5.107	559.8
508	1325.0	489.20	299.00	.1464	.2242	.2242	.9500	.6643-02	.1018-01	.[illegible]8	4.435	606.6
508	1325.0	506.70	301.00	.4760-01	.6496-01	.6496-01	.9500	.2160-02	.2948-02	.2865	2.243	576.1
508	1325.0	511.30	300.00	.9985-01	.1561	.1561	.9500	.4532-02	.7086-02	.4455	3.201	610.4
508	1350.0	440.40	302.00	.1395	.1955	.1955	.9500	.6330-02	.9973-02	.7826	7.117	585.0
508	1350.0	458.60	303.00	.1884	.2734	.2734	.9500	.8552-02	.1241-01	.9752	7.061	594.6
508	1350.0	498.50	304.00	.1608	.2269	.2269	.9500	.7300-02	.1030-01	.8888	6.057	586.9
508	1350.0	515.50	306.00	.6617-01	.8701-01	.8701-01	.9500	.3003-02	.3949-02	.4442	3.165	560.8
508	1350.0	524.40	305.00	.1004	.1347	.1347	.9500	.4559-02	.6116-02	.6345	4.812	569.5
508	1375.0	421.60	308.00	.6388-01	.8700-01	.8700-01	.9500	.2899-02	.3949-02	.3866	5.300	575.3
508	1375.0	440.00	309.00	.1530	.2179	.2179	.9500	.6943-02	.9889-02	.8259	7.819	589.7
508	1375.0	460.00	310.00	.2224	.3102	.3102	.9500	.1009-01	.1408-01	1.263	7.885	583.5
508	1375.0	503.40	311.00	.1308	.1781	.1781	.9500	.5936-02	.8082-02	.7920	6.203	575.3
508	1375.0	531.00	312.00	.7424-01	.9604-01	.9604-01	.9500	.3370-02	.4359-02	.5260	3.764	552.6
508	1400.0	523.40	313.00	.7032-01	.9299-01	.9299-01	.9500	.3192-02	.4220-02	.4639	3.791	563.3
508	1425.0	415.10	315.00	.1246	.1677	.1677	.9500	.5656-02	.7612-02	.7802	5.533	570.7
508	1425.0	437.70	316.00	.1612	.2209	.2209	.9500	.7318-02	.1003-01	.9604	7.013	577.4
508	1425.0	466.30	317.00	.1775	.2361	.2361	.9500	.8057-02	.1071-01	1.151	6.677	565.8
508	1425.0	508.60	318.00	.1111	.1495	.1495	.9500	.5041-02	.6786-02	.6948	5.657	570.8
508	1425.0	536.50	319.00	.5799-01	.7500-01	.7500-01	.9500	.2632-02	.3404-02	.4112	3.041	552.4
508	1450.0	418.20	320.00	.1032	.1395	.1395	.9500	.4682-02	.6331-02	.6371	6.083	572.6

IH102 60-OTS OMS POD (R4WS41)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
508	1450.0	436.00	321.00	.1421	.1922	.1922	.9500	.6452-02	.8725-02	.8774	6.644	572.7
508	1450.0	468.20	322.00	.1513	.2017	.2017	.9500	.6866-02	.9156-02	.9729	6.493	567.0
508	1450.0	511.10	323.00	.9635-01	.1291	.1291	.9500	.4373-02	.5857-02	.6115	5.382	568.8
508	1500.0	437.00	327.00	.8473-01	.1098	.1098	.9500	.3846-02	.4981-02	.5977	4.570	553.3
508	1500.0	470.40	328.00	.1108	.1426	.1426	.9500	.5027-02	.6474-02	.7972	4.918	550.1
508	1500.0	514.00	329.00	.8182-01	.1062	.1062	.9500	.3714-02	.4822-02	.5727	4.094	554.5
508	1500.0	532.30	331.00	.5985-01	.7688-01	.7688-01	.9500	.2716-02	.3489-02	.4345	2.840	548.7
508	1500.0	539.40	330.00	.5998-01	.7720-01	.7720-01	.9500	.2722-02	.3504-02	.4324	3.098	549.8
508	1525.0	424.00	332.00	.3091-01	.3880-01	.3880-01	.9500	.1403-02	.1761-02	.2446	1.888	534.3
508	1525.0	431.00	333.00	.8478-01	.1092	.1092	.9500	.3848-02	.4955-02	.6101	3.985	550.1
508	1525.0	440.00	334.00	.7976-01	.1034	.1034	.9500	.3620-02	.4691-02	.5619	3.559	553.5
508	1545.0	434.00	338.00	.3338-01	.4203-01	.4203-01	.9500	.1515-02	.1908-02	.2609	2.161	536.4
508	1545.0	443.00	339.00	.7195-01	.9146-01	.9146-01	.9500	.3266-02	.4151-02	.5424	3.101	542.6

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
519	1.026	4.020	-4.937	-5.893	16.97	711.7	168.2	.1089	1.231	2556.	.1747-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
519	.2464-01	.2293-01

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
519	1325.0	428.60	298.00	.6460-01	.8066-01	.8066-01	.9500	.1592-02	.1987-02	.2844	2.124	533.0
519	1325.0	489.20	299.00	.1869	.2467	.2467	.9500	.4605-02	.6079-02	.6758	4.515	564.9
519	1325.0	506.70	301.00	.1273	.1674	.1674	.9500	.3136-02	.4125-02	.4651	3.665	563.3
519	1325.0	511.30	300.00	.2209	.3069	.3069	.9500	.5442-02	.7562-02	.6910	5.028	584.7
519	1350.0	440.40	302.00	.8919-01	.1121	.1121	.9500	.2197-02	.2763-02	.3821	3.558	537.8
519	1350.0	458.60	303.00	.1201	.1526	.1526	.9500	.2959-02	.3761-02	.4936	3.664	544.8
519	1350.0	498.50	304.00	.1822	.2337	.2337	.9500	.4490-02	.5759-02	.7255	5.036	550.1
519	1350.0	515.50	306.00	.1136	.1449	.1449	.9500	.2800-02	.3571-02	.4614	3.311	546.9
519	1350.0	524.40	305.00	.1265	.1623	.1623	.9500	.3117-02	.3998-02	.5030	3.852	550.3
519	1375.0	421.60	308.00	.3317-01	.4176-01	.4176-01	.9500	.8172-03	.1029-02	.1414	1.974	538.7
519	1375.0	440.00	309.00	.7549-01	.9490-01	.9490-01	.9500	.1860-02	.2338-02	.3235	3.144	537.7
519	1375.0	460.00	310.00	.1135	.1425	.1425	.9500	.2795-02	.3511-02	.4877	3.115	537.2
519	1375.0	503.40	311.00	.9915-01	.1252	.1252	.9500	.2443-02	.3085-02	.4178	3.330	540.6
519	1375.0	531.00	312.00	.7572-01	.9503-01	.9503-01	.9500	.1866-02	.2341-02	.3266	2.356	536.6
519	1400.0	523.40	313.00	.8746-01	.1106	.1106	.9500	.2155-02	.2726-02	.3660	3.023	541.8
519	1425.0	415.10	315.00	.5976-01	.7529-01	.7529-01	.9500	.1472-02	.1855-02	.2541	1.830	539.1
519	1425.0	437.70	316.00	.6390-01	.7993-01	.7993-01	.9500	.1574-02	.1969-02	.2793	2.085	534.3
519	1425.0	466.30	317.00	.8099-01	.1009	.1009	.9500	.1995-02	.2486-02	.3600	2.124	531.2
519	1425.0	508.60	318.00	.6094-01	.7665-01	.7665-01	.9500	.1501-02	.1888-02	.2606	2.157	538.1
519	1425.0	536.50	319.00	.4627-01	.5793-01	.5793-01	.9500	.1140-02	.1427-02	.2017	1.505	534.8
519	1450.0	418.20	320.00	.4492-01	.5657-01	.5657-01	.9500	.1107-02	.1394-02	.1913	1.858	538.8

IH102 60-OTS OMS POD (R4WS42)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
519	1450.0	436.00	321.00	.5619-01	.7033-01	.7033-01	.9500	.1384-02	.1733-02	.2451	1.892	534.6
519	1450.0	468.20	322.00	.6607-01	.8246-01	.8246-01	.9500	.1628-02	.2032-02	.2914	1.979	532.6
519	1450.0	511.10	323.00	.4851-01	.6108-01	.6108-01	.9500	.1195-02	.1505-02	.2067	1.847	538.7
519	1500.0	437.00	327.00	.3777-01	.4704-01	.4704-01	.9500	.9305-03	.1159-02	.1680	1.299	531.1
519	1500.0	470.40	328.00	.5675-01	.7053-01	.7053-01	.9500	.1398-02	.1738-02	.2547	1.588	529.5
519	1500.0	514.00	329.00	.3972-01	.4978-01	.4978-01	.9500	.9785-03	.1227-02	.1722	1.243	535.7
519	1500.0	532.30	331.00	.5446-01	.6824-01	.6824-01	.9500	.1342-02	.1681-02	.2366	1.557	535.4
519	1500.0	539.40	330.00	.3740-01	.4684-01	.4684-01	.9500	.9216-03	.1154-02	.1628	1.176	535.0
519	1525.0	424.00	332.00	.1363-01	.1689-01	.1689-01	.9500	.3358-03	.4161-03	.6190-01	.4796	527.3
519	1525.0	431.00	333.00	.4064-01	.5055-01	.5055-01	.9500	.1001-02	.1245-02	.1817	1.199	530.2
519	1525.0	440.00	334.00	.3793-01	.4751-01	.4751-01	.9500	.9346-03	.1171-02	.1649	1.054	535.2
519	1545.0	434.00	338.00	.1006-01	.1250-01	.1250-01	.9500	.2478-03	.3080-03	.4508-01	.3747	529.7
519	1545.0	443.00	339.00	.3685-01	.4588-01	.4588-01	.9500	.9080-03	.1130-02	.1642	.9441	530.9

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
459	3.524	4.020	-4.973	-5.965	57.96	708.7	167.5	.3717	4.205	2550.	.5991-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
459	.4549-01	.1237-01

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
459	1325.0	428.60	298.00	.5008-01	.6417-01	.6417-01	.9500	.2278-02	.2919-02	.3676	2.725	547.3
459	1325.0	489.20	299.00	.1621	.2473	.2473	.9500	.7374-02	.1125-01	.7582	4.964	605.8
459	1325.0	506.70	301.00	.3855-01	.5689-01	.5689-01	.9500	.1754-02	.2588-02	.1928	1.493	598.7
459	1325.0	511.30	300.00	.1083	.1848	.1848	.9500	.4927-02	.8407-02	.4218	3.012	623.1
459	1350.0	440.40	302.00	.6516-01	.8484-01	.8484-01	.9500	.2964-02	.3859-02	.4527	4.178	555.9
459	1350.0	458.60	303.00	.1135	.1518	.1518	.9500	.5163-02	.6904-02	.7252	5.320	568.2
459	1350.0	498.50	304.00	.1646	.2355	.2355	.9500	.7486-02	.1072-01	.8802	5.986	591.1
459	1350.0	515.50	306.00	.6408-01	.8838-01	.8838-01	.9500	.2915-02	.4021-02	.3758	2.653	579.8
459	1350.0	524.40	305.00	.1001	.1395	.1395	.9500	.4556-02	.6345-02	.5726	4.314	583.0
459	1375.0	421.60	308.00	.2985-01	.3891-01	.3891-01	.9500	.1358-02	.1770-02	.2065	2.857	556.6
459	1375.0	440.00	309.00	.5941-01	.7753-01	.7753-01	.9500	.2703-02	.3527-02	.4097	3.943	557.1
459	1375.0	460.00	310.00	.1300	.1712	.1712	.9500	.5913-02	.7787-02	.8705	5.493	561.4
459	1375.0	503.40	311.00	.1197	.1636	.1636	.9500	.5444-02	.7443-02	.7184	5.623	576.7
459	1375.0	531.00	312.00	.7454-01	.9897-01	.9897-01	.9500	.3391-02	.4502-02	.4867	3.461	565.1
459	1400.0	523.40	313.00	.8192-01	.1117	.1117	.9500	.3727-02	.5084-02	.4948	4.018	575.9
459	1425.0	415.10	315.00	.5454-01	.7075-01	.7075-01	.9500	.2481-02	.3219-02	.3838	2.745	554.0
459	1425.0	437.70	316.00	.6909-01	.8964-01	.8964-01	.9500	.3143-02	.4078-02	.4858	3.589	554.1
459	1425.0	466.30	317.00	.1209	.1569	.1569	.9500	.5501-02	.7136-02	.8508	4.963	554.0
459	1425.0	508.60	318.00	.8996-01	.1209	.1209	.9500	.4093-02	.5500-02	.5667	4.615	570.2
459	1425.0	536.50	319.00	.5839-01	.7705-01	.7705-01	.9500	.2656-02	.3505-02	.3886	2.859	562.4
459	1450.0	418.20	320.00	.4358-01	.5659-01	.5659-01	.9500	.1983-02	.2574-02	.3056	2.944	554.5

IH102 60-OTS OMS POD (R4WS42)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
459	1450.0	436.00	321.00	.6665-01	.8629-01	.8629-01	.9500	.3032-02	.3926-02	.4719	3.609	553.0
459	1450.0	468.20	322.00	.1085	.1414	.1414	.9500	.4937-02	.6434-02	.7522	5.047	556.3
459	1450.0	511.10	323.00	.7760-01	.1037	.1037	.9500	.3530-02	.4715-02	.4976	4.382	567.7
459	1500.0	437.00	327.00	.5708-01	.7316-01	.7316-01	.9500	.2597-02	.3328-02	.4186	3.210	547.5
459	1500.0	470.40	328.00	.9144-01	.1170	.1170	.9500	.4160-02	.5324-02	.6741	4.166	546.6
459	1500.0	514.00	329.00	.6489-01	.8467-01	.8467-01	.9500	.2952-02	.3852-02	.4476	3.196	557.0
459	1500.0	532.30	331.00	.5943-01	.7756-01	.7756-01	.9500	.2704-02	.3529-02	.4098	2.667	557.1
459	1500.0	539.40	330.00	.4920-01	.6400-01	.6400-01	.9500	.2238-02	.2912-02	.3428	2.450	555.5
459	1525.0	424.00	332.00	.1624-01	.2054-01	.2054-01	.9500	.7386-03	.9344-03	.1249	.9616	539.6
459	1525.0	431.00	333.00	.7015-01	.8989-01	.8989-01	.9500	.3191-02	.4089-02	.5148	3.368	547.3
459	1525.0	440.00	334.00	.7219-01	.9342-01	.9342-01	.9500	.3284-02	.4250-02	.5120	3.244	552.8
459	1545.0	434.00	338.00	.1372-01	.1747-01	.1747-01	.9500	.6243-03	.7948-03	.1031	.8507	543.5
459	1545.0	443.00	339.00	.6042-01	.7718-01	.7718-01	.9500	.2749-02	.3511-02	.4483	2.559	545.6

IH102 60-OTS OMS POD (R4WS43)

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
514	1.023	4.020	-4.918	-.1715-02	16.93	711.7	168.2	.1086	1.228	2556.	.1743-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
514	.2461-01	.2296-01

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
514	1325.0	428.60	298.00	.3928-01	.4905-01	.4905-01	.9500	.9667-03	.1207-02	.1728	1.290	532.9
514	1325.0	489.20	299.00	.9547-01	.1288	.1288	.9500	.2349-02	.3169-02	.3232	2.149	574.1
514	1325.0	506.70	301.00	.1249	.1740	.1740	.9500	.3073-02	.4282-02	.3872	3.017	585.7
514	1325.0	511.30	300.00	.2066	.3138	.3138	.9500	.5084-02	.7722-02	.5296	3.811	607.5
514	1350.0	440.40	302.00	.4477-01	.5619-01	.5619-01	.9500	.1102-02	.1383-02	.1929	1.798	536.6
514	1350.0	458.60	303.00	.9238-01	.1179	.1179	.9500	.2273-02	.2902-02	.3736	2.770	547.3
514	1350.0	498.50	304.00	.1036	.1360	.1360	.9500	.2550-02	.3346-02	.3816	2.633	562.0
514	1350.0	515.50	306.00	.8796-01	.1167	.1167	.9500	.2164-02	.2873-02	.3123	2.218	567.4
514	1350.0	524.40	305.00	.1215	.1618	.1618	.9500	.2989-02	.3981-02	.4268	3.238	568.9
514	1375.0	421.60	308.00	.1544-01	.1945-01	.1945-01	.9500	.3800-03	.4785-03	.6565-01	.9165	538.9
514	1375.0	440.00	309.00	.3742-01	.4710-01	.4710-01	.9500	.9208-03	.1159-02	.1593	1.548	538.6
514	1375.0	460.00	310.00	.9509-01	.1203	.1203	.9500	.2340-02	.2960-02	.3978	2.535	541.7
514	1375.0	503.40	311.00	.6834-01	.8812-01	.8812-01	.9500	.1682-02	.2168-02	.2667	2.112	553.1
514	1375.0	531.00	312.00	.8511-01	.1096	.1096	.9500	.2094-02	.2698-02	.3332	2.384	552.6
514	1400.0	523.40	313.00	.5836-01	.7657-01	.7657-01	.9500	.1436-02	.1884-02	.2149	1.757	562.0
514	1425.0	415.10	315.00	.3551-01	.4477-01	.4477-01	.9500	.8738-03	.1102-02	.1504	1.083	539.6
514	1425.0	437.70	316.00	.3895-01	.4891-01	.4891-01	.9500	.9586-03	.1203-02	.1676	1.249	536.8
514	1425.0	466.30	317.00	.6060-01	.7602-01	.7602-01	.9500	.1491-02	.1871-02	.2616	1.540	536.2
514	1425.0	508.60	318.00	.3888-01	.5007-01	.5007-01	.9500	.9568-03	.1232-02	.1524	1.252	552.4
514	1425.0	536.50	319.00	.3551-01	.4564-01	.4564-01	.9500	.8738-03	.1123-02	.1401	1.037	551.3
514	1450.0	418.20	320.00	.2665-01	.3614-01	.3614-01	.9500	.7051-03	.8893-03	.1211	1.176	539.9

IH102 60-OTS OMS POD

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
514	1450.0	436.00	321.00	.3332-01	.4182-01	.4182-01	.9500	.8200-03	.1029-02	.1436	1.108	536.5
514	1450.0	468.20	322.00	.4365-01	.5472-01	.5472-01	.9500	.1074-02	.1346-02	.1889	1.281	535.8
514	1450.0	511.10	323.00	.2927-01	.3766-01	.3766-01	.9500	.7202-03	.9268-03	.1150	1.021	551.9
514	1500.0	437.00	327.00	.1995-01	.2486-01	.2486-01	.9500	.4909-03	.6117-03	.8849-01	.6842	531.4
514	1500.0	470.40	328.00	.3153-01	.3919-01	.3919-01	.9500	.7759-03	.9644-03	.1412	.8805	529.6
514	1500.0	514.00	329.00	.3219-01	.4084-01	.4084-01	.9500	.7920-03	.1005-02	.1331	.9565	543.7
514	1500.0	532.30	331.00	.5776-01	.7306-01	.7306-01	.9500	.1421-02	.1798-02	.2414	1.584	541.8
514	1500.0	539.40	330.00	.3756-01	.4758-01	.4758-01	.9500	.9242-03	.1171-02	.1561	1.123	542.8
514	1525.0	424.00	332.00	.8768-02	.1087-01	.1087-01	.9500	.2158-03	.2674-03	.3974-01	.3079	527.5
514	1525.0	431.00	333.00	.1888-01	.2345-01	.2345-01	.9500	.4646-03	.5770-03	.8482-01	.5600	529.1
514	1525.0	440.00	334.00	.1273-01	.1597-01	.1597-01	.9500	.3133-03	.3930-03	.5499-01	.3514	536.1
514	1545.0	434.00	338.00	.6734-02	.8361-02	.8361-02	.9500	.1657-03	.2058-03	.3030-01	.2519	528.8
514	1545.0	443.00	339.00	.2010-01	.2496-01	.2496-01	.9500	.4945-03	.6142-03	.9032-01	.5199	529.0

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
450	3.529	4.020	-5.036	-.3511-02	58.03	708.7	167.5	.3722	4.210	2550.	.5999-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
450	.4552-01	.1237-01

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
450	1325.0	428.60	298.00	.3302-01	.4224-01	.4224-01	.9500	.1503-02	.1923-02	.2442	1.811	546.3
450	1325.0	489.20	299.00	.1184	.1659	.1659	.9500	.5388-02	.7550-02	.6667	4.410	584.9
450	1325.0	506.70	301.00	.1359	.2006	.2006	.9500	.6187-02	.9134-02	.6794	5.260	598.8
450	1325.0	511.30	300.00	.1486	.2400	.2400	.9500	.6765-02	.1093-01	.6294	4.510	615.6
450	1350.0	440.40	302.00	.2599-01	.3374-01	.3374-01	.9500	.1183-02	.1536-02	.1827	1.687	554.3
450	1350.0	458.60	303.00	.7669-01	.1049	.1049	.9500	.3491-02	.4776-02	.4597	3.358	577.0
450	1350.0	498.50	304.00	.1311	.1825	.1825	.9500	.5967-02	.8306-02	.7509	5.127	582.8
450	1350.0	515.50	306.00	.1308	.1813	.1813	.9500	.5953-02	.8251-02	.7571	5.340	581.5
450	1350.0	524.40	305.00	.1136	.1572	.1572	.9500	.5173-02	.7155-02	.6616	4.990	580.8
450	1375.0	421.60	308.00	.1731-01	.2258-01	.2258-01	.9500	.7880-03	.1028-02	.1195	1.654	557.0
450	1375.0	440.00	309.00	.2869-01	.3771-01	.3771-01	.9500	.1306-02	.1717-02	.1935	1.859	560.5
450	1375.0	460.00	310.00	.8984-01	.1195	.1195	.9500	.4090-02	.5440-02	.5837	3.675	565.9
450	1375.0	503.40	311.00	.9323-01	.1254	.1254	.9500	.4244-02	.5708-02	.5864	4.604	570.5
450	1375.0	531.00	312.00	.9600-01	.1270	.1270	.9500	.4370-02	.5783-02	.6337	4.510	563.7
450	1400.0	523.40	313.00	.9483-01	.1293	.1293	.9500	.4317-02	.5886-02	.5737	4.659	575.8
450	1425.0	415.10	315.00	.3875-01	.5049-01	.5049-01	.9500	.1764-02	.2299-02	.2687	1.919	556.3
450	1425.0	437.70	316.00	.4833-01	.6323-01	.6323-01	.9500	.2200-02	.2878-02	.3309	2.440	558.3
450	1425.0	466.30	317.00	.6996-01	.9071-01	.9071-01	.9500	.3185-02	.4129-02	.4933	2.878	553.8
450	1425.0	508.60	318.00	.6386-01	.8459-01	.8459-01	.9500	.2907-02	.3851-02	.4202	3.432	564.1
450	1425.0	536.50	319.00	.7717-01	.1018	.1018	.9500	.3513-02	.4633-02	.5149	3.789	562.1
450	1450.0	418.20	320.00	.3662-01	.4797-01	.4797-01	.9500	.1667-02	.2184-02	.2497	2.400	558.9

DATE 12 DEC 79

IH102 HEAT TRANSFER TEST AEDC TUNNEL A (V41B-67)

(R4WS43)

IH102 60-OTS OMS POD

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
450	1450.0	436.00	321.00	.5153-01	.6735-01	.6735-01	.9500	.2346-02	.3066-02	.3537	2.699	557.9
450	1450.0	468.20	322.00	.5652-01	.7335-01	.7335-01	.9500	.2573-02	.3339-02	.3974	2.669	554.2
450	1450.0	511.10	323.00	.5403-01	.7120-01	.7120-01	.9500	.2459-02	.3241-02	.3612	3.191	561.8
450	1500.0	437.00	327.00	.4389-01	.5654-01	.5654-01	.9500	.1998-02	.2574-02	.3164	2.423	550.3
450	1500.0	470.40	328.00	.5332-01	.6830-01	.6830-01	.9500	.2427-02	.3109-02	.3921	2.423	547.1
450	1500.0	514.00	329.00	.4266-01	.5528-01	.5528-01	.9500	.1942-02	.2517-02	.3015	2.156	553.4
450	1500.0	532.30	331.00	.5438-01	.7072-01	.7072-01	.9500	.2476-02	.3219-02	.3797	2.474	555.3
450	1500.0	539.40	330.00	.4727-01	.6142-01	.6142-01	.9500	.2152-02	.2796-02	.3309	2.365	554.9
450	1525.0	424.00	332.00	.1550-01	.1971-01	.1971-01	.9500	.7057-03	.8971-03	.1172	.9013	542.6
450	1525.0	431.00	333.00	.4630-01	.5963-01	.5963-01	.9500	.2108-02	.2715-02	.3340	2.182	550.2
450	1525.0	440.00	334.00	.4716-01	.6102-01	.6102-01	.9500	.2147-02	.2778-02	.3351	2.124	552.6
450	1545.0	434.00	338.00	.8340-02	.1067-01	.1067-01	.9500	.3796-03	.4855-03	.6169-01	.5085	546.2
450	1545.0	443.00	339.00	.3601-01	.4624-01	.4624-01	.9500	.1639-02	.2105-02	.2627	1.497	548.4

IH102 60-OTS OMS POD

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
507	3.516	4.020	-.3894-02	-11.02	57.82	708.7	167.5	.3708	4.195	2550.	.5977-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
507	.4544-01	.1239-01

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
507	1325.0	428.60	298.00	.9802-01	.1269	.1269	.9500	.4454-02	.5765-02	.6938	5.129	552.9
507	1325.0	489.20	299.00	.1450	.2079	.2079	.9500	.6586-02	.9448-02	.7705	5.079	591.7
507	1325.0	506.70	301.00	.1859-01	.2539-01	.2539-01	.9500	.8446-03	.1153-02	.1117	.8748	576.4
507	1325.0	511.30	300.00	.5281-01	.7790-01	.7790-01	.9500	.2399-02	.3540-02	.2639	1.907	598.7
507	1350.0	440.40	302.00	.1387	.1889	.1889	.9500	.6301-02	.8584-02	.8392	7.669	575.5
507	1350.0	458.60	303.00	.1849	.2569	.2569	.9500	.8403-02	.1167-01	1.063	7.742	582.2
507	1350.0	498.50	304.00	.1412	.1902	.1902	.9500	.6415-02	.8641-02	.8823	6.060	571.1
507	1350.0	515.50	306.00	.7362-01	.9791-01	.9791-01	.9500	.3345-02	.4449-02	.4778	3.397	565.8
507	1350.0	524.40	305.00	.6920-01	.9074-01	.9074-01	.9500	.3144-02	.4123-02	.4692	3.577	559.4
507	1375.0	421.60	308.00	.5957-01	.7957-01	.7957-01	.9500	.2707-02	.3616-02	.3815	5.249	567.7
507	1375.0	440.00	309.00	.1422	.1958	.1958	.9500	.6461-02	.8898-02	.8358	7.954	579.3
507	1375.0	460.00	310.00	.2003	.2695	.2695	.9500	.9102-02	.1224-01	1.257	7.894	570.6
507	1375.0	503.40	311.00	.1011	.1327	.1327	.9500	.4596-02	.6031-02	.6843	5.402	559.8
507	1375.0	531.00	312.00	.6105-01	.7781-01	.7781-01	.9500	.2774-02	.3536-02	.4564	3.280	544.2
507	1400.0	523.40	313.00	.5602-01	.7288-01	.7288-01	.9500	.2545-02	.3312-02	.3898	3.198	555.5
507	1425.0	415.10	315.00	.1135	.1505	.1505	.9500	.5159-02	.6840-02	.7440	5.292	564.5
507	1425.0	437.70	316.00	.1473	.1972	.1972	.9500	.6691-02	.8959-02	.9367	6.870	568.7
507	1425.0	466.30	317.00	.1477	.1915	.1915	.9500	.6713-02	.8700-02	1.041	6.077	553.5
507	1425.0	508.60	318.00	.8035-01	.1050	.1050	.9500	.3651-02	.4773-02	.5504	4.510	557.9
507	1425.0	536.50	319.00	.5385-01	.6896-01	.6896-01	.9500	.2447-02	.3134-02	.3955	2.933	547.0
507	1450.0	418.20	320.00	.9340-01	.1242	.1242	.9500	.4244-02	.5645-02	.6059	5.805	565.9

IH102 60-OTS OMS POD (R4WS45)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
507	1450.0	436.00	321.00	.1279	.1694	.1694	.9500	.5812-02	.7699-02	.8399	6.387	564.2
507	1450.0	468.20	322.00	.1215	.1577	.1577	.9500	.5519-02	.7168-02	.8500	5.708	554.6
507	1450.0	511.10	323.00	.7090-01	.9252-01	.9252-01	.9500	.3222-02	.4204-02	.4886	4.326	557.0
507	1500.0	437.00	327.00	.7377-01	.9438-01	.9438-01	.9500	.3352-02	.4289-02	.5440	4.174	546.4
507	1500.0	470.40	328.00	.9319-01	.1184	.1184	.9500	.4235-02	.5379-02	.7052	4.368	542.1
507	1500.0	514.00	329.00	.6643-01	.8520-01	.8520-01	.9500	.3019-02	.3871-02	.4856	3.483	547.8
507	1500.0	532.30	331.00	.4971-01	.6331-01	.6331-01	.9500	.2259-02	.2877-02	.3727	2.442	543.7
507	1500.0	539.40	330.00	.4567-01	.5799-01	.5799-01	.9500	.2075-02	.2635-02	.3461	2.490	541.9
507	1525.0	424.00	332.00	.2557-01	.3195-01	.3195-01	.9500	.1162-02	.1452-02	.2062	1.595	531.2
507	1525.0	431.00	333.00	.7485-01	.9541-01	.9541-01	.9500	.3401-02	.4335-02	.5592	3.664	544.2
507	1525.0	440.00	334.00	.6586-01	.8426-01	.8426-01	.9500	.2992-02	.3828-02	.4856	3.087	546.4
507	1545.0	434.00	338.00	.2937-01	.3684-01	.3684-01	.9500	.1335-02	.1674-02	.2333	1.935	533.9
507	1545.0	443.00	339.00	.6431-01	.8122-01	.8122-01	.9500	.2922-02	.3690-02	.4975	2.850	538.4

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
506	3.488	4.020	-.2068-02	-5.902	57.74	711.7	168.2	.3703	4.188	2556.	.5943-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
506	.4544-01	.1243-01

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
506	1325.0	428.60	298.00	.7996-01	.1012	.1012	.9500	.3633-02	.4599-02	.6160	4.579	542.1
506	1325.0	489.20	299.00	.1531	.2135	.2135	.9500	.6956-02	.9703-02	.8744	5.780	586.0
506	1325.0	506.70	301.00	.5756-02	.7764-02	.7764-02	.9500	.2615-03	.3528-03	.3598-01	.2820	574.1
506	1325.0	511.30	300.00	.3978-01	.5717-01	.5717-01	.9500	.1808-02	.2598-02	.2115	1.531	594.7
506	1350.0	440.40	302.00	.1166	.1509	.1509	.9500	.5299-02	.6857-02	.8298	7.660	555.1
506	1350.0	458.60	303.00	.1610	.2102	.2102	.9500	.7316-02	.9553-02	1.112	8.191	559.7
506	1350.0	498.50	304.00	.1242	.1631	.1631	.9500	.5644-02	.7413-02	.8414	5.803	562.6
506	1350.0	515.50	306.00	.2124-01	.2775-01	.2775-01	.9500	.9649-03	.1261-02	.1462	1.042	560.1
506	1350.0	524.40	305.00	.4062-01	.5311-01	.5311-01	.9500	.1846-02	.2413-02	.2793	2.128	560.4
506	1375.0	421.60	308.00	.4440-01	.5735-01	.5735-01	.9500	.2018-02	.2606-02	.3179	4.404	554.1
506	1375.0	440.00	309.00	.1079	.1399	.1399	.9500	.4904-02	.6357-02	.7630	7.346	556.1
506	1375.0	460.00	310.00	.1548	.1975	.1975	.9500	.7033-02	.8973-02	1.157	7.355	547.1
506	1375.0	503.40	311.00	.8632-01	.1104	.1104	.9500	.3922-02	.5018-02	.6390	5.073	548.7
506	1375.0	531.00	312.00	.4080-01	.5173-01	.5173-01	.9500	.1854-02	.2350-02	.3125	2.247	543.1
506	1400.0	523.40	313.00	.4687-01	.6026-01	.6026-01	.9500	.2130-02	.2738-02	.3411	2.804	551.5
506	1425.0	415.10	315.00	.8406-01	.1082	.1082	.9500	.3819-02	.4916-02	.6093	4.361	552.2
506	1425.0	437.70	316.00	.1035	.1321	.1321	.9500	.4704-02	.6004-02	.7734	5.734	547.3
506	1425.0	466.30	317.00	.1070	.1336	.1336	.9500	.4862-02	.6069-02	.8702	5.131	532.7
506	1425.0	508.60	318.00	.6851-01	.8740-01	.8740-01	.9500	.3113-02	.3971-02	.5126	4.223	547.0
506	1425.0	536.50	319.00	.2872-01	.3623-01	.3623-01	.9500	.1305-02	.1646-02	.2241	1.668	540.0
506	1450.0	418.20	320.00	.7112-01	.9151-01	.9151-01	.9500	.3232-02	.4158-02	.5160	4.978	552.0

IH102 60-0TS OMS POD (R4WS46)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
506	1450.0	436.00	321.00	.9339-01	.1189	.1189	.9500	.4244-02	.5403-02	.7038	5.402	545.8
506	1450.0	468.20	322.00	.9358-01	.1171	.1171	.9500	.4252-02	.5321-02	.7532	5.109	534.6
506	1450.0	511.10	323.00	.5806-01	.7400-01	.7400-01	.9500	.2638-02	.3362-02	.4359	3.880	546.4
506	1500.0	437.00	327.00	.5816-01	.7268-01	.7268-01	.9500	.2643-02	.3303-02	.4705	3.634	533.6
506	1500.0	470.40	328.00	.7923-01	.9811-01	.9811-01	.9500	.3600-02	.4458-02	.6659	4.157	526.7
506	1500.0	514.00	329.00	.5062-01	.6361-01	.6361-01	.9500	.2300-02	.2891-02	.4007	2.889	537.5
506	1500.0	532.30	331.00	.3410-01	.4299-01	.4299-01	.9500	.1549-02	.1954-02	.2665	1.750	539.7
506	1500.0	539.40	330.00	.3320-01	.4168-01	.4168-01	.9500	.1509-02	.1894-02	.2640	1.904	536.7
506	1525.0	424.00	332.00	.1741-01	.2152-01	.2152-01	.9500	.7911-03	.9779-03	.1474	1.143	525.4
506	1525.0	431.00	333.00	.6213-01	.7730-01	.7730-01	.9500	.2823-02	.3513-02	.5118	3.377	530.4
506	1525.0	440.00	334.00	.6039-01	.7553-01	.7553-01	.9500	.2744-02	.3432-02	.4873	3.117	534.1
506	1545.0	434.00	338.00	.1619-01	.2005-01	.2005-01	.9500	.7358-03	.9109-03	.1361	1.133	526.6
506	1545.0	443.00	339.00	.5154-01	.6389-01	.6389-01	.9500	.2342-02	.2903-02	.4310	2.483	527.6

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
505	3.493	4.020	-.2031-02	-2.906	57.82	711.7	168.2	.3708	4.195	2556.	.5951-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
505	.4547-01	.1242-01

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
505	1325.0	428.60	298.00	.4501-01	.5727-01	.5727-01	.9500	.2047-02	.2604-02	.3403	2.525	545.4
505	1325.0	489.20	299.00	.9436-01	.1273	.1273	.9500	.4291-02	.5789-02	.5900	3.923	574.2
505	1325.0	506.70	301.00	.6733-01	.9409-01	.9409-01	.9500	.3062-02	.4279-02	.3830	2.984	586.6
505	1325.0	511.30	300.00	.1146	.1757	.1757	.9500	.5211-02	.7990-02	.5333	3.834	609.3
505	1350.0	440.40	302.00	.5905-01	.7615-01	.7615-01	.9500	.2685-02	.3463-02	.4255	3.932	553.2
505	1350.0	458.60	303.00	.7729-01	.1000	.1000	.9500	.3515-02	.4549-02	.5499	4.061	555.2
505	1350.0	498.50	304.00	.9344-01	.1235	.1235	.9500	.4249-02	.5618-02	.6205	4.273	565.6
505	1350.0	515.50	306.00	.6918-01	.9214-01	.9214-01	.9500	.3146-02	.4190-02	.4492	3.188	568.9
505	1350.0	524.40	305.00	.7454-01	.1005	.1005	.9500	.3389-02	.4569-02	.4672	3.536	573.8
505	1375.0	421.60	308.00	.2798-01	.3623-01	.3623-01	.9500	.1272-02	.1647-02	.1989	2.754	555.3
505	1375.0	440.00	309.00	.5409-01	.6979-01	.6979-01	.9500	.2460-02	.3173-02	.3891	3.751	553.5
505	1375.0	460.00	310.00	.7740-01	.9867-01	.9867-01	.9500	.3520-02	.4487-02	.5811	3.694	546.6
505	1375.0	503.40	311.00	.5715-01	.7377-01	.7377-01	.9500	.2599-02	.3355-02	.4103	3.248	553.8
505	1375.0	531.00	312.00	.6080-01	.7877-01	.7877-01	.9500	.2765-02	.3582-02	.4313	3.081	555.7
505	1400.0	523.40	313.00	.6716-01	.8770-01	.8770-01	.9500	.3054-02	.3988-02	.4640	3.799	559.7
505	1425.0	415.10	315.00	.5294-01	.6831-01	.6831-01	.9500	.2407-02	.3106-02	.3805	2.722	553.6
505	1425.0	437.70	316.00	.5047-01	.6439-01	.6439-01	.9500	.2295-02	.2928-02	.3779	2.802	547.9
505	1425.0	466.30	317.00	.5737-01	.7220-01	.7220-01	.9500	.2609-02	.3283-02	.4517	2.656	538.5
505	1425.0	508.60	318.00	.3403-01	.4356-01	.4356-01	.9500	.1548-02	.1981-02	.2518	2.072	549.0
505	1425.0	536.50	319.00	.4224-01	.5414-01	.5414-01	.9500	.1921-02	.2462-02	.3109	2.302	549.8
505	1450.0	418.20	320.00	.4171-01	.5377-01	.5377-01	.9500	.1897-02	.2445-02	.3010	2.902	553.0

IH102 60-OTS OMS POD

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
505	1450.0	436.00	321.00	.4685-01	.5968-01	.5968-01	.9500	.2130-02	.2714-02	.3524	2.704	546.2
505	1450.0	468.20	322.00	.5047-01	.6362-01	.6362-01	.9500	.2295-02	.2893-02	.3953	2.675	539.5
505	1450.0	511.10	323.00	.2661-01	.3400-01	.3400-01	.9500	.1210-02	.1546-02	.1982	1.763	547.9
505	1500.0	437.00	327.00	.3137-01	.3953-01	.3953-01	.9500	.1426-02	.1798-02	.2458	1.893	539.4
505	1500.0	470.40	328.00	.4751-01	.5952-01	.5952-01	.9500	.2160-02	.2707-02	.3809	2.367	535.4
505	1500.0	514.00	329.00	.2314-01	.2932-01	.2932-01	.9500	.1052-02	.1333-02	.1778	1.279	542.7
505	1500.0	532.30	331.00	.4004-01	.5121-01	.5121-01	.9500	.1821-02	.2329-02	.2970	1.942	548.6
505	1500.0	539.40	330.00	.3302-01	.4209-01	.4209-01	.9500	.1501-02	.1914-02	.2479	1.779	546.6
505	1525.0	424.00	332.00	.1109-01	.1390-01	.1390-01	.9500	.5042-03	.6321-03	.8871-01	.6844	535.7
505	1525.0	431.00	333.00	.3463-01	.4359-01	.4359-01	.9500	.1575-02	.1982-02	.2727	1.792	538.5
505	1525.0	440.00	334.00	.3187-01	.4023-01	.4023-01	.9500	.1449-02	.1830-02	.2480	1.581	540.5
505	1545.0	434.00	338.00	.5773-02	.7251-02	.7251-02	.9500	.2625-03	.3297-03	.4583-01	.3795	537.1
505	1545.0	443.00	339.00	.2754-01	.3462-01	.3462-01	.9500	.1253-02	.1574-02	.2179	1.249	537.7

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
512	1.023	4.020	-.4000-02	.1396-05	16.93	711.7	168.2	.1086	1.228	2556.	.1743-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
512	.2461-01	.2296-01

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
512	1325.0	428.60	298.00	.2066-01	.2588-01	.2588-01	.9500	.5084-03	.6369-03	.8969-01	.6690	535.3
512	1325.0	489.20	299.00	.2025	.2695	.2695	.9500	.4982-02	.6632-02	.7129	4.754	568.6
512	1325.0	506.70	301.00	.9691-01	.1258	.1258	.9500	.2385-02	.3095-02	.3699	2.924	556.6
512	1325.0	511.30	300.00	.1432	.1916	.1916	.9500	.3525-02	.4714-02	.4972	3.644	570.6
512	1350.0	440.40	302.00	.2292-01	.2898-01	.2898-01	.9500	.5641-03	.7133-03	.9602-01	.8925	541.5
512	1350.0	458.60	303.00	.7099-01	.9084-01	.9084-01	.9500	.1747-02	.2235-02	.2846	2.108	548.8
512	1350.0	498.50	304.00	.1278	.1650	.1650	.9500	.3144-02	.4061-02	.4954	3.431	554.1
512	1350.0	515.50	306.00	.7755-01	.9902-01	.9902-01	.9500	.1908-02	.2437-02	.3132	2.247	547.5
512	1350.0	524.40	305.00	.7112-01	.9106-01	.9106-01	.9500	.1750-02	.2241-02	.2844	2.179	549.2
512	1375.0	421.60	308.00	.9730-02	.1222-01	.1222-01	.9500	.2394-03	.3008-03	.4177-01	.5836	537.2
512	1375.0	440.00	309.00	.2023-01	.2561-01	.2561-01	.9500	.4978-03	.6303-03	.8421-01	.8163	542.5
512	1375.0	460.00	310.00	.6549-01	.8322-01	.8322-01	.9500	.1612-02	.2048-02	.2692	1.713	544.6
512	1375.0	503.40	311.00	.6602-01	.8419-01	.8419-01	.9500	.1625-02	.2072-02	.2679	2.129	546.7
512	1375.0	531.00	312.00	.4957-01	.6282-01	.6282-01	.9500	.1220-02	.1546-02	.2058	1.480	542.9
512	1400.0	523.40	313.00	.5725-01	.7309-01	.7309-01	.9500	.1409-02	.1799-02	.2313	1.905	547.5
512	1425.0	415.10	315.00	.2537-01	.3187-01	.3187-01	.9500	.6243-03	.7843-03	.1090	.7857	537.2
512	1425.0	437.70	316.00	.2243-01	.2833-01	.2833-01	.9500	.5520-03	.6970-03	.9438-01	.7021	540.7
512	1425.0	466.30	317.00	.4288-01	.5419-01	.5419-01	.9500	.1055-02	.1333-02	.1800	1.057	541.1
512	1425.0	508.60	318.00	.3903-01	.4972-01	.4972-01	.9500	.9605-03	.1223-02	.1590	1.311	546.1
512	1425.0	536.50	319.00	.3295-01	.4170-01	.4170-01	.9500	.8107-03	.1026-02	.1374	1.021	542.2
512	1450.0	418.20	320.00	.1943-01	.2445-01	.2445-01	.9500	.4781-03	.6017-03	.8281-01	.8044	538.5

IH102 60-0TS OMS POD (R4WS50)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
512	1450.0	436.00	321.00	.2177-01	.2748-01	.2748-01	.9500	.5358-03	.6762-03	.9179-01	.7065	540.3
512	1450.0	468.20	322.00	.3229-01	.4086-01	.4086-01	.9500	.7946-03	.1005-02	.1349	.9113	542.0
512	1450.0	511.10	323.00	.3087-01	.3931-01	.3931-01	.9500	.7598-03	.9674-03	.1259	1.121	545.9
512	1500.0	437.00	327.00	.1581-01	.1996-01	.1996-01	.9500	.3891-03	.4912-03	.6662-01	.5127	540.5
512	1500.0	470.40	328.00	.2429-01	.3065-01	.3065-01	.9500	.5978-03	.7541-03	.1026	.6360	540.1
512	1500.0	514.00	329.00	.1905-01	.2422-01	.2422-01	.9500	.4688-03	.5961-03	.7814-01	.5613	545.0
512	1500.0	532.30	331.00	.3521-01	.4473-01	.4473-01	.9500	.8665-03	.1101-02	.1449	.9494	544.4
512	1500.0	539.40	330.00	.1761-01	.2235-01	.2235-01	.9500	.4333-03	.5500-03	.7271-01	.5225	543.9
512	1525.0	424.00	332.00	.5112-02	.6444-02	.6444-02	.9500	.1258-03	.1586-03	.2166-01	.1668	539.5
512	1525.0	431.00	333.00	.1468-01	.1856-01	.1856-01	.9500	.3613-03	.4567-03	.6159-01	.4041	541.2
512	1525.0	440.00	334.00	.1652-01	.2095-01	.2095-01	.9500	.4064-03	.5155-03	.6836-01	.4353	543.5
512	1545.0	443.00	339.00	.1289-01	.1632-01	.1632-01	.9500	.3172-03	.4016-03	.5376-01	.3074	542.2

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
444	3.514	4.020	.2000-02	.0000	57.91	709.7	167.7	.3714	4.201	2552.	.5978-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
444	.4549-01	.1239-01

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
444	1325.0	428.60	298.00	.2055-01	.2606-01	.2606-01	.9500	.9349-03	.1185-02	.1570	1.168	541.7
444	1325.0	489.20	299.00	.1292	.1879	.1879	.9500	.5879-02	.8547-02	.6683	4.396	596.0
444	1325.0	506.70	301.00	.9630-01	.1320	.1320	.9500	.4380-02	.6004-02	.5747	4.495	578.5
444	1325.0	511.30	300.00	.1535	.2275	.2275	.9500	.6980-02	.1035-01	.7607	5.492	600.7
444	1350.0	440.40	302.00	.1861-01	.2391-01	.2391-01	.9500	.8463-03	.1087-02	.1354	1.253	549.7
444	1350.0	458.60	303.00	.4303-01	.5645-01	.5645-01	.9500	.1957-02	.2568-02	.2921	2.151	560.5
444	1350.0	498.50	304.00	.1251	.1711	.1711	.9500	.5692-02	.7783-02	.7515	5.145	577.6
444	1350.0	515.50	306.00	.9647-01	.1300	.1300	.9500	.4388-02	.5913-02	.6038	4.278	572.1
444	1350.0	524.40	305.00	.1057	.1411	.1411	.9500	.4806-02	.6419-02	.6790	5.152	568.4
444	1375.0	421.60	308.00	.1102-01	.1415-01	.1415-01	.9500	.5012-03	.6437-03	.8030-01	1.115	549.4
444	1375.0	440.00	309.00	.2412-01	.3132-01	.3132-01	.9500	.1097-02	.1424-02	.1694	1.632	555.2
444	1375.0	460.00	310.00	.5422-01	.7032-01	.7032-01	.9500	.2466-02	.3199-02	.3821	2.419	554.7
444	1375.0	503.40	311.00	.8105-01	.1072	.1072	.9500	.3687-02	.4877-02	.5360	4.221	564.3
444	1375.0	531.00	312.00	.7047-01	.9139-01	.9139-01	.9500	.3206-02	.4157-02	.4970	3.553	554.6
444	1400.0	523.40	313.00	.6371-01	.8467-01	.8467-01	.9500	.2898-02	.3851-02	.4153	3.388	566.4
444	1425.0	415.10	315.00	.2359-01	.3027-01	.3027-01	.9500	.1073-02	.1377-02	.1724	1.236	548.9
444	1425.0	437.70	316.00	.3545-01	.4582-01	.4582-01	.9500	.1612-02	.2084-02	.2528	1.869	552.9
444	1425.0	466.30	317.00	.5018-01	.6426-01	.6426-01	.9500	.2283-02	.2923-02	.3698	2.164	547.7
444	1425.0	508.60	318.00	.6052-01	.7953-01	.7953-01	.9500	.2753-02	.3618-02	.4086	3.343	561.2
444	1425.0	530.50	319.00	.5289-01	.6845-01	.6845-01	.9500	.2406-02	.3114-02	.3757	2.776	553.5
444	1450.0	418.20	320.00	.2126-01	.2734-01	.2734-01	.9500	.9669-03	.1244-02	.1541	1.488	550.3

IH102 60-OTS OMS POD (R4WS50)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	P/HREF F= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
444	1450.0	436.00	321.00	.3357-01	.4322-01	.4322-01	.9500	.1527-02	.1966-02	.2427	1.858	550.7
444	1450.0	468.20	322.00	.4046-01	.5185-01	.5185-01	.9500	.1840-02	.2358-02	.2974	2.004	548.1
444	1450.0	511.10	323.00	.5216-01	.6833-01	.6833-01	.9500	.2373-02	.3108-02	.3558	3.145	559.7
444	1500.0	437.00	327.00	.2617-01	.3338-01	.3338-01	.9500	.1190-02	.1519-02	.1954	1.500	545.5
444	1500.0	470.40	328.00	.3519-01	.4461-01	.4461-01	.9500	.1601-02	.2029-02	.2691	1.667	541.6
444	1500.0	514.00	329.00	.3780-01	.4876-01	.4876-01	.9500	.1719-02	.2218-02	.2713	1.942	551.9
444	1500.0	532.30	331.00	.3672-01	.4722-01	.4722-01	.9500	.1670-02	.2148-02	.2666	1.741	550.1
444	1500.0	539.40	330.00	.3966-01	.5113-01	.5113-01	.9500	.1804-02	.2326-02	.2854	2.043	551.5
444	1525.0	424.00	332.00	.9290-02	.1182-01	.1182-01	.9500	.4226-03	.5376-03	.7007-01	.5383	543.9
444	1525.0	431.00	333.00	.2311-01	.2951-01	.2951-01	.9500	.1051-02	.1342-02	.1721	1.127	546.0
444	1525.0	440.00	334.00	.2821-01	.3607-01	.3607-01	.9500	.1283-02	.1641-02	.2089	1.328	546.9
444	1545.0	443.00	339.00	.1849-01	.2362-01	.2362-01	.9500	.8409-03	.1074-02	.1374	.7838	546.3

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
447	3.517	4.020	5.042	-.5273-02	57.96	709.7	167.7	.3717	4.205	2552.	.5983-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
447	.4550-01	.1239-01

TEST DATA

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
447	1325.0	428.60	298.00	.1367-01	.1724-01	.1724-01	.9500	.6220-03	.7846-03	.1065	.7929	538.5
447	1325.0	489.20	299.00	.7077-01	.9318-01	.9318-01	.9500	.3220-02	.4240-02	.4752	3.179	562.1
447	1325.0	506.70	301.00	.1038	.1465	.1465	.9500	.4723-02	.6667-02	.5748	4.474	588.0
447	1325.0	511.30	300.00	.1497	.2165	.2165	.9500	.6810-02	.9852-02	.7827	5.667	594.7
447	1350.0	440.40	302.00	.1601-01	.2074-01	.2074-01	.9500	.7286-03	.9437-03	.1134	1.048	554.0
447	1350.0	458.60	303.00	.4679-01	.6166-01	.6166-01	.9500	.2129-02	.2806-02	.3133	2.305	562.5
447	1350.0	498.50	304.00	.7155-01	.9346-01	.9346-01	.9500	.3256-02	.4253-02	.4927	3.406	558.3
447	1350.0	515.50	306.00	.7576-01	.9983-01	.9983-01	.9500	.3448-02	.4543-02	.5074	3.613	562.5
447	1350.0	524.40	305.00	.7613-01	.9948-01	.9948-01	.9500	.3464-02	.4527-02	.5238	3.995	558.5
447	1375.0	421.60	308.00	.7623-02	.9749-02	.9749-02	.9500	.3469-03	.4436-03	.5644-01	.7847	547.0
447	1375.0	440.00	309.00	.2149-01	.2799-01	.2799-01	.9500	.9780-03	.1274-02	.1495	1.439	556.8
447	1375.0	460.00	310.00	.5822-01	.7550-01	.7550-01	.9500	.2649-02	.3436-02	.4108	2.601	554.6
447	1375.0	503.40	311.00	.4698-01	.6022-01	.6022-01	.9500	.2138-02	.2741-02	.3448	2.737	548.4
447	1375.0	531.00	312.00	.4531-01	.5771-01	.5771-01	.9500	.2062-02	.2626-02	.3405	2.446	544.5
447	1400.0	523.40	313.00	.7147-01	.9474-01	.9474-01	.9500	.3252-02	.4311-02	.4700	3.837	565.2
447	1425.0	415.10	315.00	.2305-01	.2948-01	.2948-01	.9500	.1049-02	.1342-02	.1707	1.225	546.9
447	1425.0	437.70	316.00	.3218-01	.4142-01	.4142-01	.9500	.1464-02	.1885-02	.2329	1.724	550.6
447	1425.0	466.30	317.00	.4907-01	.6237-01	.6237-01	.9500	.2233-02	.2838-02	.3715	2.179	543.3
447	1425.0	508.60	318.00	.2547-01	.3239-01	.3239-01	.9500	.1159-02	.1474-02	.1925	1.589	543.6
447	1425.0	536.50	319.00	.3567-01	.4538-01	.4538-01	.9500	.1623-02	.2065-02	.2692	2.000	543.8
447	1450.0	418.20	320.00	.2134-01	.2741-01	.2741-01	.9500	.9709-03	.1247-02	.1555	1.502	549.5

IH102 60-OTS OMS POD (R4WS51)

RUN NUMBER	XO	ZO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
447	1450.0	436.00	321.00	.3163-01	.4057-01	.4057-01	.9500	.1439-02	.1846-02	.2318	1.776	548.6
447	1450.0	468.20	322.00	.3861-01	.4911-01	.4911-01	.9500	.1757-02	.2235-02	.2916	1.969	543.7
447	1450.0	511.10	323.00	.1995-01	.2530-01	.2530-01	.9500	.9077-03	.1151-02	.1523	1.358	541.9
447	1500.0	437.00	327.00	.2720-01	.3457-01	.3457-01	.9500	.1238-02	.1573-02	.2061	1.584	543.2
447	1500.0	470.40	328.00	.3918-01	.4942-01	.4942-01	.9500	.1783-02	.2249-02	.3054	1.895	538.4
447	1500.0	514.00	329.00	.7939-02	.1009-01	.1009-01	.9500	.3612-03	.4592-03	.6007-01	.4318	543.4
447	1500.0	532.30	331.00	.4660-01	.6013-01	.6013-01	.9500	.2121-02	.2736-02	.3345	2.183	551.9
447	1500.0	539.40	330.00	.3233-01	.4135-01	.4135-01	.9500	.1471-02	.1882-02	.2393	1.717	547.0
447	1525.0	424.00	332.00	.1069-01	.1355-01	.1355-01	.9500	.4866-03	.6166-03	.8186-01	.6297	541.4
447	1525.0	431.00	333.00	.2344-01	.2981-01	.2981-01	.9500	.1067-02	.1356-02	.1771	1.161	543.6
447	1525.0	440.00	334.00	.2250-01	.2859-01	.2859-01	.9500	.1024-02	.1301-02	.1704	1.085	543.2
447	1545.0	443.00	339.00	.1935-01	.2463-01	.2463-01	.9500	.8806-03	.1121-02	.1458	.8329	544.1

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
546	3.522	3.010	-39.98	-.4861-02	33.94	708.7	252.0	.9102	5.773	2342.	.9748-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
546	.5327-01	.9695-02

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
546	1525.0	133.00	336.00	.1006	.1392	.1392	.9500	.5359-02	.7417-02	.6841	4.987	581.0

IH102 60-0 OMS POD

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
528	3.504	3.010	-14.45	.0000	33.84	709.7	252.4	.9075	5.756	2344.	.9706-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
528	.5320-01	.9718-02

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
528	1525.0	133.00	336.00	.6274-01	.8078-01	.8078-01	.9500	.3338-02	.4298-02	.5304	3.925	550.8

IH102 60-0 OMS POD

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
525	3.506	3.010	.1033-01	-14.48	33.86	709.7	252.4	.9080	5.759	2344.	.9711-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
525	.5322-01	.9715-02

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
525	1525.0	133.00	336.00	.6504-01	.8565-01	.8565-01	.9500	.3461-02	.4558-02	.5102	3.754	562.2

IH102 60-0 OMS POD

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
531	1.090	3.010	.1400-01	.4887-05	10.14	691.7	246.0	.2719	1.725	2314.	.2984-02	.1970-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
531	.2899-01	.1746-01

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
531	1525.0	133.00	336.00	.2334-01	.3079-01	.3079-01	.9500	.6767-03	.8926-03	.9674-01	.7167	548.7

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
522	3.508	3.010	.3200-01	.8936-04	33.88	709.7	252.4	.9085	5.762	2344.	.9716-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
522	.5323-01	.9713-02

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
522	1525.0	133.00	336.00	.4326-01	.5412-01	.5412-01	.9500	.2303-02	.2881-02	.4071	3.041	532.9

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
553	2.006	4.020	-39.96	-.2422-02	33.00	708.7	167.5	.2116	2.394	2550.	.3411-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
553	.3433-01	.1640-01

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
553	1525.0	133.00	336.00	.1023	.1335	.1335	.9500	.3512-02	.4582-02	.5326	3.930	557.0

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
550	3.514	4.020	-39.96	.0000	57.91	709.7	167.7	.3714	4.201	2552.	.5978-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
550	.4549-01	.1239-01

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
550	1525.0	133.00	336.00	.1032	.1351	.1351	.9500	.4695-02	.6146-02	.7055	5.199	559.4

IH102 60-0 OMS POD

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = -30.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
549	3.467	4.020	-29.98	.3163-02	57.99	716.7	169.3	.3719	4.207	2564.	.5928-02	.1363-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
549	.4560-01	.1246-01

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
549	1525.0	133.00	336.00	.9110-01	.1209	.1209	.9500	.4154-02	.5511-02	.6043	4.427	571.2

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
540	3.514	4.020	-14.45	.0000	57.92	709.7	167.7	.3714	4.202	2552.	.5979-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
540	.4549-01	.1239-01

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
540	1525.0	133.00	336.00	.5365-01	.6777-01	.6777-01	.9500	.2441-02	.3083-02	.4157	3.094	539.4

IH102 60-0 OMS POD

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
537	3.506	4.020	.0000	-14.33	57.91	710.7	167.9	.3714	4.201	2554.	.5970-02	.1351-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) *.0175
537	.4550-01	.1240-01

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R-0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
537	1525.0	133.00	336.00	.4448-01	.5498-01	.5498-01	.9500	.2024-02	.2502-02	.3764	2.823	524.7

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
534	3.517	4.020	.2000-01	.1396-04	57.96	709.7	167.7	.3717	4.205	2552.	.5983-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
534	.4551-01	.1239-01

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
534	1525.0	133.00	336.00	.2216-01	.2847-01	.2847-01	.9500	.1008-02	.1296-02	.1614	1.195	549.6

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
489	3.533	3.010	-5.022	-11.00	34.12	709.7	252.4	.9151	5.804	2344.	.9787-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
489	.5343-01	.9677-02

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
489	1525.0	133.00	336.00	.6768-01	.8887-01	.8887-01	.9500	.3616-02	.4748-02	.5381	3.962	560.9

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
500	1.041	3.010	-4.952	-5.935	9.708	692.7	246.3	.2603	1.651	2316.	.2853-02	.1972-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
500	.2837-01	.1786-01

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
500	1525.0	133.00	336.00	.4292-01	.5398-01	.5398-01	.9500	.1218-02	.1532-02	.2060	1.545	523.6

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
482	3.539	3.010	-5.006	-5.979	34.11	708.7	252.0	.9147	5.801	2342.	.9796-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
482	.5340-01	.9671-02

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
482	1525.0	133.00	336.00	.5593-01	.7350-01	.7350-01	.9500	.2987-02	.3925-02	.4428	3.261	560.4

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
497	1.030	3.010	-4.938	-.1722-02	9.684	696.7	247.7	.2597	1.647	2323.	.2829-02	.1983-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
497	.2837-01	.1795-01

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
497	1525.0	133.00	336.00	.3028-01	3812-01	.3812-01	.9500	.8591-03	.1081-02	.1455	1.090	527.3

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
471	3.510	3.010	-4.930	.0000	33.90	709.7	252.4	.9090	5.765	2344.	.9722-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
471	.5325-01	.9710-02

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
471	1525.0	133.00	336.00	.3839-01	.5045-01	.5045-01	.9500	.2044-02	.2686-02	.3033	2.233	561.3

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
488	3.526	3.010	-.2713-01	-10.97	34.05	709.7	252.4	.9132	5.792	2344.	.9766-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
488	.5337-01	.9687-02

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
488	1525.0	133.00	336.00	.5618-01	.7325-01	.7325-01	.9500	.2998-02	.3909-02	.4567	3.369	557.4

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
492	3.510	3.010	-.6249-02	-5.946	33.90	709.7	252.4	.9090	5.765	2344.	.9722-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
492	.5325-01	.9710-02

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
492	1525.0	133.00	336.00	.4441-01	.5669-01	.5669-01	.9500	.2365-02	.3019-02	.3873	2.873	545.9

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
493	3.509	3.010	-.5104-02	-2.922	33.88	709.7	252.4	.9087	5.763	2344.	.9718-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
493	.5324-01	.9711-02

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
493	1525.0	133.00	336.00	.2709-01	.3531-01	.3531-01	.9500	.1442-02	.1880-02	.2197	1.621	557.3

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
494	1.072	3.010	.3200-01	.1117-04	10.04	694.7	247.0	.2692	1.707	2319.	.2941-02	.1978-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
494	.2886-01	.1760-01

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
494	1525.0	133.00	336.00	.2639-01	.3436-01	.3436-01	.9500	.7619-03	.9918-03	.1141	.8473	544.9

IH102 60-OTS OMS POD (R4WX39)

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
465	3.496	3.010	-.2200-01	.0000	33.76	709.7	252.4	.9053	5.742	2344.	.9682-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
465	.5314-01	.9729-02

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
465	1525.0	133.00	336.00	.4320-01	.5577-01	.5577-01	.9500	.2296-02	.2964-02	.3613	2.672	552.3

OMS POD

PARAMETRIC DATA

MACH = 3.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
468	3.510	3.010	5.064	.0000	33.90	709.7	252.4	.9090	5.765	2344.	.9722-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
468	.5325-01	.9710-02

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
468	1525.0	133.00	336.00	.2567-01	.3310-01	.3310-01	.9500	.1367-02	.1762-02	.2163	1.600	551.4

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
508	3.507	4.020	-4.952	-10.93	57.69	708.7	167.5	.3700	4.185	2550.	.5963-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
508	.4539-01	.1240-01

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
508	1525.0	133.00	336.00	.4186-01	.5280-01	.5280-01	.9500	.1900-02	.2397-02	.3250	2.421	537.6

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
519	1.026	4.020	-4.937	-5.893	16.97	711.7	168.2	.1089	1.231	2556.	.1747-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
519	.2464-01	.2293-01

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
519	1525.0	133.00	336.00	.2190-01	.2730-01	.2730-01	.9500	.5396-03	.6726-03	.9710-01	.7256	531.7

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
459	3.524	4.020	-4.973	-5.965	57.96	708.7	167.5	.3717	4.205	2550.	.5991-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
459	.4549-01	.1237-01

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
459	1525.0	133.00	336.00	.2959-01	.3776-01	.3776-01	.9500	.1346-02	.1718-02	.2203	1.635	545.0

IH102 60-0TS OMS POD

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
514	1.023	4.020	-4.918	-.1715-02	16.93	711.7	168.2	.1086	1.228	2556.	.1743-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
314	.2461-01	.2296-01

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
514	1525.0	133.00	336.00	.1070-01	.1345-01	.1345-01	.9500	.2633-03	.3309-03	.4591-01	.3421	537.3

IH102 60-OTS OMS POD

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
450	3.529	4.020	-5.036	-.3511-02	58.03	708.7	167.5	.3722	4.210	2550.	.5999-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
450	.4552-01	.1237-01

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
450	1525.0	133.00	336.00	.2769-01	.3548-01	.3548-01	.9500	.1260-02	.1615-02	.2034	1.508	547.3

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
507	3.516	4.020	-.3894-02	-11.02	57.82	708.7	167.5	.3708	4.195	2550.	.5977-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
507	.4544-01	.1239-01

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
507	1525.0	133.00	336.00	.2933-01	.3677-01	.3677-01	.9500	.1333-02	.1671-02	.2332	1.741	533.7

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
506	3.488	4.020	-.2068-02	-5.902	57.74	711.7	168.2	.3703	4.188	2556.	.5943-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
506	.4544-01	.1243-01

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
506	1525.0	133.00	336.00	.2303-01	.2851-01	.2851-01	.9500	.1046-02	.1296-02	.1937	1.451	526.6

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. F	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
505	3.493	4.020	-.2031-02	-2.906	57.82	711.7	168.2	.3708	4.195	2556.	.5951-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
505	.4547-01	.1242-01

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
505	1525.0	133.00	336.00	.1237-01	.1553-01	.1553-01	.9500	.5625-03	.7064-03	.9823-01	.7321	537.0

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
512	1.023	4.020	-.4000-02	.1396-05	16.93	711.7	168.2	.1086	1.228	2556.	.1743-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
512	.2461-01	.2296-01

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
512	1525.0	133.00	336.00	.9795-02	.1242-01	.1242-01	.9500	.2410-03	.3055-03	.4063-01	.3019	543.1

IH102 60-0TS OMS POD

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
444	3.514	4.020	.2000-02	.0000	57.91	709.7	167.7	.3714	4.201	2552.	.5978-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
444	.4549-01	.1239-01

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
444	1525.0	133.00	336.00	.2176-01	.2777-01	.2777-01	.9500	.9900-03	.1263-02	.1625	1.206	545.5

OMS POD

PARAMETRIC DATA

MACH = 4.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .000(SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
447	3.517	4.020	5.042	-.5273-02	57.96	709.7	167.7	.3717	4.205	2552.	.5983-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
447	.4550-01	.1239-01

TEST DATA

RUN NUMBER	XO	YO	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
447	1525.0	133.00	336.00	.7929-02	.1004-01	.1004-01	.9500	.3608-03	.4568-03	.6093-01	.4532	540.8

VERT TAIL

PARAMETRIC DATA

MACH = 3.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
546	3.522	3.010	-39.98	-.4861-02	33.94	709.7	252.0	.9102	5.773	2342.	.9748-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
546	.5327-01	.9695-02

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
546	.10000+00	.10000+00	340.00	.5562	1.041	1.041	.9500	.2963-01	.5543-01	2.255	15.27	632.6
546	.10000+00	.30000	341.00	.4186	.6899	.6899	.9500	.2230-01	.3675-01	2.009	14.14	618.6
546	.10000+00	.50000	342.00	.2968	.4544	.4544	.9500	.1581-01	.2421-01	1.615	11.82	606.5
546	.20000	.10000+00	343.00	.6585	1.571	1.571	.9500	.3508-01	.8369-01	2.140	14.61	647.7
546	.20000	.20000	344.00	.4790	.8771	.8771	.9500	.2552-01	.4672-01	1.992	14.08	630.6
546	.20000	.40000	345.00	.3751	.6055	.6055	.9500	.1998-01	.3226-01	1.861	12.78	615.6
546	.20000	.60000	346.00	.2307	.3284	.3284	.9500	.1229-01	.1749-01	1.464	10.28	589.6
546	.20000	.80000	347.00	.1289	.1764	.1764	.9500	.6868-02	.9397-02	.9044	6.292	577.0
546	.30000	.50000-01	348.00	.5927	1.735	1.735	.9500	.3157-01	.9242-01	1.699	12.07	654.9
546	.30000	.20000	349.00	.5174	.9506	.9506	.9500	.2756-01	.5064-01	2.143	14.75	630.9
546	.30000	.40000	350.00	.3661	.5896	.5896	.9500	.1950-01	.3141-01	1.823	12.64	615.2
546	.30000	.50000	351.00	.3293	.5166	.5166	.9500	.1754-01	.2752-01	1.714	11.62	610.9
546	.30000	.90000	352.00	.1607	.2224	.2224	.9500	.8559-02	.1185-01	1.093	7.969	580.9
546	.40000	.10000+00	353.00	.6371	1.477	1.477	.9500	.3394-01	.7868-01	2.115	14.69	646.4
546	.40000	.20000	354.00	.5218	.9727	.9727	.9500	.2780-01	.5181-01	2.125	14.39	632.2
546	.40000	.40000	355.00	.4758-01	.8097-01	.8097-01	.9500	.2535-02	.3248-02	.4091	2.889	547.3
546	.40000	.50000	356.00	.2948	.4577	.4577	.9500	.1570-01	.2438-01	1.563	10.95	609.1
546	.40000	.70000	357.00	.4357-01	.5458-01	.5458-01	.9500	.2321-02	.2908-02	.4078	3.150	533.0
546	.40000	.90000	358.00	.1177	.1630	.1630	.9500	.6272-02	.8683-02	.8004	5.874	581.1
546	.50000	.50000-01	359.00	.5141	1.400	1.400	.9500	.2739-01	.7458-01	1.534	11.36	652.7
546	.50000	.70000	360.00	.4162	.9318	.9318	.9500	.2217-01	.4963-01	1.420	10.75	644.6

IH102 HEAT TRANSFER TEST AEDC TUNNEL A (V41B-67)

(R4WT21)

IH102 60-0 VERTICAL TAIL

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
546	.50000	.90000	361.00	.7881-01	.1085	.1085	.9500	.4198-02	.5779-02	.5438	3.779	579.1
546	.60000	.50000-01	362.00	.4204-01	.5540-01	.5540-01	.9500	.2240-02	.2951-02	.3291	2.506	561.7
546	.60000	.10000+00	363.00	.4117	.7955	.7955	.9500	.2193-01	.4237-01	1.611	11.63	635.2
546	.60000	.20000	364.00	.3928	.6712	.6712	.9500	.2092-01	.3575-01	1.788	12.64	623.2
546	.60000	.40000	365.00	.2829	.4287	.4287	.9500	.1507-01	.2284-01	1.570	10.67	604.5
546	.60000	.50000	366.00	.1920	.2816	.2816	.9500	.1023-01	.1500-01	1.139	7.843	597.3
546	.60000	.70000	367.00	.6179-01	.8176-01	.8176-01	.9500	.3292-02	.4355-02	.4776	3.763	563.6
546	.60000	.90000	368.00	.5661-01	.7664-01	.7664-01	.9500	.3015-02	.4083-02	.4088	2.991	573.1
546	.70000	.50000-01	369.00	.2166	.3823	.3823	.9500	.1154-01	.2037-01	.9435	7.336	626.9
546	.70000	.70000	370.00	.4711-01	.6192-01	.6192-01	.9500	.2510-02	.3298-02	.3720	2.989	560.4
546	.70000	.90000	371.00	.4090-01	.5438-01	.5438-01	.9500	.2178-02	.2897-02	.3113	2.365	565.8
546	.80000	.10000+00	373.00	.2030	.3079	.3079	.9500	.1081-01	.1640-01	1.124	8.291	604.7
546	.80000	.40000	374.00	.1373	.1929	.1929	.9500	.7315-02	.1028-01	.8995	6.331	585.7
546	.80000	.50000	375.00	.1023	.1396	.1396	.9500	.5451-02	.7434-02	.7241	4.885	575.8
546	.80000	.70000	376.00	.5206-01	.6856-01	.6856-01	.9500	.2773-02	.3652-02	.4082	3.219	561.5
546	.80000	.90000	377.00	.2826-01	.3731-01	.3731-01	.9500	.1506-02	.1987-02	.2201	1.675	562.5
546	.90000	.10000+00	378.00	.2297	.3652	.3652	.9500	.1224-01	.1946-01	1.168	8.113	613.2
546	.90000	.30000	379.00	.1138	.1558	.1558	.9500	.6061-02	.8301-02	.7956	5.715	577.4
546	.90000	.50000	380.00	.6310-01	.8305-01	.8305-01	.9500	.3361-02	.4424-02	.4958	3.422	561.2
546	.90000	.70000	381.00	.3317-01	.4308-01	.4308-01	.9500	.1767-02	.2295-02	.2721	1.958	554.6
546	.90000	.90000	382.00	.1779-01	.2344-01	.2344-01	.9500	.9479-03	.1249-02	.1395	1.033	561.5
546	.95000	.30000	383.00	.1492	.2083	.2083	.9500	.7945-02	.1109-01	.9918	6.920	583.8
546	.95000	.50000	384.00	.6957-01	.9371-01	.9371-01	.9500	.3706-02	.4992-02	.5098	3.557	571.1
546	.95000	.90000	385.00	.3201-01	.4269-01	.4269-01	.9500	.1705-02	.2274-02	.2414	1.611	567.1

IH102 60-0 VERTICAL TAIL (R4WT22)

VERT TAIL

PARAMETRIC DATA

MACH = 3.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
528	3.504	3.010	-14.45	.0000	33.84	709.7	252.4	.9075	5.756	2344.	.9706-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
528	.5320-01	.9718-02

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF F= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
528	.10000+00	.10000+00	340.00	.2023	.3179	.3179	.9500	.1076-01	.1692-01	1.050	7.180	612.1
528	.10000+00	.30000	341.00	.1742	.2854	.2854	.9500	.9270-02	.1519-01	.8444	5.944	618.6
528	.10000+00	.50000	342.00	.1281	.1890	.1890	.9500	.6817-02	.1005-01	.7513	5.519	599.5
528	.20000	.10000+00	343.00	.2252	.3563	.3563	.9500	.1198-01	.1895-01	1.156	8.025	613.2
528	.20000	.20000	344.00	.1922	.3310	.3310	.9500	.1023-01	.1761-01	.8655	6.134	625.0
528	.20000	.40000	345.00	.1876	.2920	.2920	.9500	.9978-02	.1554-01	.9898	6.816	610.5
528	.20000	.60000	346.00	.1195	.1659	.1659	.9500	.6360-02	.8828-02	.8072	5.690	582.7
528	.20000	.80000	347.00	.5309-01	.6802-01	.6802-01	.9500	.2824-02	.3619-02	.4564	3.222	548.1
528	.30000	.50000-01	348.00	.2045	.3223	.3223	.9500	.1088-01	.1715-01	1.056	7.658	612.6
528	.30000	.20000	349.00	.1852	.3027	.3027	.9500	.9855-02	.1611-01	.9011	6.242	618.2
528	.30000	.40000	350.00	.1852	.2921	.2921	.9500	.9854-02	.1554-01	.9554	6.636	612.7
528	.30000	.60000	351.00	.1700	.2580	.2580	.9500	.9046-02	.1373-01	.9413	6.396	605.6
528	.30000	.90000	352.00	.7575-01	.9934-01	.9934-01	.9500	.4030-02	.5285-02	.6022	4.436	560.3
528	.40000	.10000+00	353.00	.1871	.2730	.2730	.9500	.9956-02	.1453-01	1.123	7.989	596.9
528	.40000	.20000	354.00	.1845	.2742	.2742	.9500	.9815-02	.1459-01	1.064	7.315	601.2
528	.40000	.50000	356.00	.1609	.2452	.2452	.9500	.8558-02	.1305-01	.8826	6.188	606.5
528	.40000	.90000	358.00	.7957-01	.1063	.1063	.9500	.4233-02	.5657-02	.5969	4.407	568.7
528	.50000	.50000-01	359.00	.1642	.2697	.2697	.9500	.8735-02	.1435-01	.7921	5.965	619.0
528	.50000	.70000	360.00	.4845-01	.6303-01	.6303-01	.9500	.2578-02	.3353-02	.3956	3.128	556.2
528	.50000	.90000	361.00	.8415-01	.1122	.1122	.9500	.4477-02	.5970-02	.6353	4.440	567.8
528	.60000	.50000-01	362.00	.1519	.2460	.2460	.9500	.8080-02	.1309-01	.7490	5.549	617.0

IH102 60-0 VERTICAL TAIL (R4WT22)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
528	.60000	.10000+00	363.00	.1540	.2313	.2313	.9500	.8192-02	.1230-01	.8698	6.377	603.5
528	.60000	.20000	364.00	.1369	.1884	.1884	.9500	.7265-02	.1002-01	.9461	6.833	579.8
528	.60000	.40000	365.00	.8691-01	.1139	.1139	.9500	.4624-02	.6061-02	.6919	4.809	560.0
528	.60000	.50000	366.00	.6209-01	.8240-01	.8240-01	.9500	.3303-02	.4384-02	.4754	3.326	565.7
528	.60000	.70000	367.00	.4475-01	.5840-01	.5840-01	.9500	.2381-02	.3107-02	.3615	2.856	567.8
528	.60000	.90000	368.00	.6327-01	.8449-01	.8449-01	.9500	.3366-02	.4495-02	.4755	3.488	568.4
528	.70000	.50000-01	369.00	.1211	.1967	.1967	.9500	.6445-02	.1046-01	.5955	4.652	617.3
528	.70000	.70000	370.00	.2893-01	.3665-01	.3665-01	.9500	.1539-02	.1950-02	.2590	2.101	541.4
528	.70000	.90000	371.00	.2535-01	.3253-01	.3253-01	.9500	.1349-02	.1731-02	.2169	1.662	548.8
528	.80000	.10000+00	373.00	.1444	.2272	.2272	.9500	.7681-02	.1209-01	.7477	5.496	612.3
528	.80000	.40000	374.00	.9336-01	.1248	.1248	.9500	.4967-02	.6639-02	.6998	4.967	568.8
528	.80000	.50000	375.00	.7313-01	.9566-01	.9566-01	.9500	.3891-02	.5089-02	.5862	3.988	559.0
528	.80000	.70000	376.00	.3095-01	.3919-01	.3919-01	.9500	.1646-02	.2085-02	.2778	2.214	540.9
528	.80000	.90000	377.00	.1948-01	.2455-01	.2455-01	.9500	.1036-02	.1306-02	.1781	1.373	537.8
528	.90000	.10000+00	378.00	.1585	.2629	.2629	.9500	.8433-02	.1399-01	.7535	5.214	620.3
528	.90000	.30000	379.00	.1312	.1853	.1853	.9500	.6980-02	.9856-02	.8490	6.066	588.0
528	.90000	.50000	380.00	.6321-01	.8178-01	.8178-01	.9500	.3363-02	.4351-02	.5253	3.640	553.4
528	.90000	.70000	381.00	.7144-01	.9514-01	.9514-01	.9500	.3801-02	.5062-02	.5414	3.870	567.2
528	.90000	.90000	382.00	.4686-01	.6013-01	.6013-01	.9500	.2493-02	.3199-02	.4009	2.990	548.9
528	.95000	.30000	383.00	.1408	.2031	.2031	.9500	.7493-02	.1081-01	.8671	6.020	593.9
528	.95000	.50000	384.00	.1094	.1535	.1535	.9500	.5820-02	.8169-02	.7181	4.973	586.3
528	.95000	.90000	385.00	.5321-01	.6877-01	.6877-01	.9500	.2831-02	.3659-02	.4440	2.984	552.8

IH102 60-0 VERTICAL TAIL (R4WT23)

VERT TAIL

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
525	3.506	3.010	.1033-01	-14.48	33.86	709.7	252.4	.9080	5.759	2344.	.9711-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
525	.5322-01	.9715-02

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
525	.10000+00	.10000+00	340.00	.1626	.2762	.2762	.9500	.8656-02	.1470-01	.7472	5.081	623.3
525	.10000+00	.30000	341.00	.1680	.2776	.2776	.9500	.8941-02	.1477-01	.8037	5.654	619.8
525	.10000+00	.50000	342.00	.1226	.1807	.1807	.9500	.6526-02	.9617-02	.7205	5.293	599.3
525	.20000	.10000+00	343.00	.2460	.4676	.4676	.9500	.1309-01	.2489-01	.9802	6.735	634.8
525	.20000	.20000	344.00	.2259	.4250	.4250	.9500	.1202-01	.2261-01	.9111	6.429	633.9
525	.20000	.40000	345.00	.1899	.3061	.3061	.9500	.1011-01	.1629-01	.9447	6.488	616.2
525	.20000	.60000	346.00	.1126	.1586	.1586	.9500	.5992-02	.8441-02	.7326	5.152	587.4
525	.20000	.80000	347.00	.4050-01	.5256-01	.5256-01	.9500	.2155-02	.2797-02	.3333	2.344	555.0
525	.30000	.50000-01	348.00	.2094	.3988	.3988	.9500	.1115-01	.2122-01	.8330	5.974	634.9
525	.30000	.20000	349.00	.2245	.4000	.4000	.9500	.1195-01	.2129-01	.9660	6.657	628.8
525	.30000	.40000	350.00	.2028	.3420	.3420	.9500	.1079-01	.1820-01	.9411	6.506	622.5
525	.30000	.50000	351.00	.1965	.3225	.3225	.9500	.1046-01	.1716-01	.9497	6.411	618.8
525	.30000	.90000	352.00	.8030-01	.1097	.1097	.9500	.4274-02	.5838-02	.5660	4.134	577.2
525	.40000	.10000+00	353.00	.1961	.3285	.3285	.9500	.1044-01	.1748-01	.9189	6.459	621.6
525	.40000	.20000	354.00	.2294	.3978	.3978	.9500	.1221-01	.2117-01	1.024	6.953	625.8
525	.40000	.50000	356.00	.1791	.2902	.2902	.9500	.9529-02	.1545-01	.8826	6.157	617.0
525	.40000	.90000	358.00	.9076-01	.1265	.1265	.9500	.4830-02	.6733-02	.6064	4.443	584.1
525	.50000	.50000-01	359.00	.1769	.2928	.2928	.9500	.9415-02	.1558-01	.8441	6.354	620.0
525	.50000	.70000	360.00	.4965-01	.6682-01	.6682-01	.9500	.2642-02	.3556-02	.3649	2.863	571.6
525	.50000	.90000	361.00	.8837-01	.1214	.1214	.9500	.4703-02	.6460-02	.6134	4.263	579.2
525	.60000	.50000-01	362.00	.1571	.2495	.2495	.9500	.8358-02	.1328-01	.8003	5.939	613.9

DATE 12 DEC 79

IH102 HEAT TRANSFER TEST AEDC TUNNEL A (V418-67)

(R4WT23)

IH102 60-0 VERTICAL TAIL

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
525	.60000	.10000+00	363.00	.1650	.2526	.2526	.9500	.8778-02	.1344-01	.8980	6.571	607.4
525	.60000	.20000	364.00	.1586	.2314	.2314	.9500	.8442-02	.1231-01	.9528	6.824	596.8
525	.60000	.40000	365.00	.1304	.1924	.1924	.9500	.6937-02	.1024-01	.7635	5.203	599.6
525	.60000	.50000	366.00	.1143	.1666	.1666	.9500	.6080-02	.8864-02	.6869	4.732	596.7
525	.60000	.70000	367.00	.4641-01	.6196-01	.6196-01	.9500	.2470-02	.3297-02	.3491	2.744	568.3
525	.60000	.90000	368.00	.7321-01	.1007	.1007	.9500	.3896-02	.5361-02	.5057	3.688	579.9
525	.70000	.50000-01	369.00	.1308	.2058	.2058	.9500	.6959-02	.1095-01	.6772	5.303	612.4
525	.70000	.70000	370.00	.5931-01	.7923-01	.7923-01	.9500	.3156-02	.4216-02	.4455	3.565	568.5
525	.70000	.90000	371.00	.7995-01	.1109	.1109	.9500	.4255-02	.5899-02	.5415	4.081	582.4
525	.80000	.10000+00	373.00	.1397	.2137	.2137	.9500	.7435-02	.1137-01	.7621	5.615	607.2
525	.80000	.40000	374.00	.1232	.1772	.1772	.9500	.6558-02	.9428-02	.7646	5.362	593.1
525	.80000	.50000	375.00	.1253	.1814	.1814	.9500	.6667-02	.9656-02	.7644	5.108	595.0
525	.80000	.70000	376.00	.8135-01	.1115	.1115	.9500	.4329-02	.5933-02	.5682	4.443	578.4
525	.80000	.90000	377.00	.7422-01	.1025	.1025	.9500	.3950-02	.5452-02	.5085	3.835	580.9
525	.90000	.10000+00	378.00	.1601	.2505	.2505	.9500	.8518-02	.1333-01	.8372	5.819	611.4
525	.90000	.30000	379.00	.1407	.2026	.2026	.9500	.7485-02	.1078-01	.8690	6.193	593.6
525	.90000	.50000	380.00	.7518-01	.1023	.1023	.9500	.4001-02	.5442-02	.5362	3.674	575.7
525	.90000	.70000	381.00	.9156-01	.1262	.1262	.9500	.4873-02	.6715-02	.6301	4.475	580.4
525	.90000	.90000	382.00	.7897-01	.1105	.1105	.9500	.4202-02	.5881-02	.5224	3.826	585.4
525	.90000	.30000	383.00	.1176	.1659	.1659	.9500	.6259-02	.8830-02	.7626	5.310	587.8
525	.95000	.50000	384.00	.8977-01	.1260	.1260	.9500	.4778-02	.6705-02	.5896	4.083	586.3
525	.95000	.90000	385.00	.7552-01	.1026	.1026	.9500	.4019-02	.5460-02	.5403	3.591	575.2

IH102 60-0 VERTICAL TAIL (R4WT24)

VERT TAIL

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
531	1.090	3.010	.1400-01	.4887-05	10.14	691.7	246.0	.2719	1.725	2314.	.2984-02	.1970-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
531	.2899-01	.1746-01

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF F= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
531	.10000+00	.10000+00	340.00	.1249	.1709	.1709	.9500	.3620-02	.4955-02	.4648	3.256	563.3
531	.10000+00	.30000	341.00	.8851-01	.1203	.1203	.9500	.2566-02	.3488-02	.3356	2.431	560.9
531	.10000+00	.50000	342.00	.5496-01	.7323-01	.7323-01	.9500	.1593-02	.2123-02	.2209	1.661	553.0
531	.20000	.10000+00	343.00	.1092	.1504	.1504	.9500	.3165-02	.4361-02	.3992	2.838	565.6
531	.20000	.20000	344.00	.9259-01	.1273	.1273	.9500	.2684-02	.3691-02	.3403	2.484	564.9
531	.20000	.40000	345.00	.1131	.1533	.1533	.9500	.3279-02	.4444-02	.4328	3.056	559.7
531	.20000	.60000	346.00	.5078-01	.6742-01	.6742-01	.9500	.1472-02	.1955-02	.2062	1.477	551.6
531	.30000	.50000-01	348.00	.1257	.1761	.1761	.9500	.3645-02	.5105-02	.4407	3.262	570.8
531	.30000	.20000	349.00	.7374-01	.1007	.1007	.9500	.2139-02	.2920-02	.2761	1.966	562.5
531	.30000	.40000	350.00	.1171	.1593	.1593	.9500	.3396-02	.4619-02	.4435	3.160	561.1
531	.30000	.50000	351.00	.8460-01	.1138	.1138	.9500	.2453-02	.3300-02	.3302	2.299	557.0
531	.30000	.90000	352.00	.2632-02	.3441-02	.3441-02	.9500	.7629-04	.9975-04	.1122-01	.8328-01	544.6
531	.40000	.10000+00	353.00	.8968-01	.1215	.1215	.9500	.2600-02	.3523-02	.3432	2.487	559.7
531	.40000	.20000	354.00	.6981-01	.9455-01	.9455-01	.9500	.2024-02	.2741-02	.2674	1.877	559.5
531	.40000	.50000	356.00	.8732-01	.1179	.1179	.9500	.2532-02	.3417-02	.3379	2.426	558.2
531	.40000	.90000	358.00	.9625-02	.1263-01	.1263-01	.9500	.2790-03	.3661-03	.4057-01	.3029	546.3
531	.50000	.50000-01	359.00	.1249	.1766	.1766	.9500	.3621-02	.5120-02	.4279	3.296	573.5
531	.50000	.70000	360.00	.1871-01	.2446-01	.2446-01	.9500	.5425-03	.7091-03	.7986-01	.6353	544.5
531	.50000	.90000	361.00	2309-01	.3041-01	.3041-01	.9500	.6693-03	.8815-03	.9616-01	.6787	548.0
531	.60000	.50000-01	362.00	.1297	.1844	.1844	.9500	.3759-02	.5345-02	.4380	3.313	575.1
531	.60000	.10000+00	363.00	.1133	.1569	.1569	.9500	.3286-02	.4550-02	.4090	3.053	567.2

IH102 60-0 VERTICAL TAIL

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
531	.60000	.20000	364.00	.7105-01	.9546-01	.9546-01	.9500	.2060-02	.2767-02	.2786	2.036	556.4
531	.60000	.40000	365.00	.4905-01	.6594-01	.6594-01	.9500	.1422-02	.1912-02	.1920	1.337	556.6
531	.60000	.50000	366.00	.4894-01	.6554-01	.6554-01	.9500	.1419-02	.1900-02	.1937	1.362	555.1
531	.60000	.70000	367.00	.2118-01	.2771-01	.2771-01	.9500	.6140-03	.8032-03	.9016-01	.7171	544.8
531	.60000	.90000	368.00	.2403-01	.3168-01	.3168-01	.9500	.6967-03	.9184-03	.9979-01	.7394	548.4
531	.70000	.50000-01	369.00	.1276	.1827	.1827	.9500	.3700-02	.5296-02	.4245	3.383	576.9
531	.70000	.70000	370.00	.1304-01	.1707-01	.1707-01	.9500	.3780-03	.4949-03	.5535-01	.4481	545.2
531	.70000	.90000	371.00	.1702-01	.2246-01	.2246-01	.9500	.4933-03	.6512-03	.7038-01	.5393	549.0
531	.80000	.10000+00	373.00	.1244	.1758	.1758	.9500	.3606-02	.5098-02	.4264	3.194	573.4
531	.80000	.40000	374.00	.1580-01	.2111-01	.2111-01	.9500	.4580-03	.6120-03	.6292-01	.4499	554.3
531	.80000	.50000	375.00	.1332-01	.1767-01	.1767-01	.9500	.3861-03	.5124-03	.5416-01	.3699	551.4
531	.80000	.70000	376.00	.3969-02	.5203-02	.5203-02	.9500	.1151-03	.1508-03	.1678-01	.1334	545.8
531	.90000	.10000+00	378.00	.1350	.1964	.1964	.9500	.3914-02	.5694-02	.4329	3.054	581.1
531	.90000	.30000	379.00	.7320-01	.1000	.1000	.9500	.2122-02	.2900-02	.2737	1.980	562.7
531	.90000	.50000	380.00	.1661-01	.2166-01	.2166-01	.9500	.4816-03	.6280-03	.7141-01	.4973	543.4
531	.90000	.70000	381.00	.2083-01	.2753-01	.2753-01	.9500	.6039-03	.7980-03	.8589-01	.6196	549.5
531	.95000	.30000	383.00	.7702-01	.1061	.1061	.9500	.2233-02	.3076-02	.2817	1.984	565.5
531	.95000	.50000	384.00	.2437-01	.3294-01	.3294-01	.9500	.7065-03	.9549-03	.9394-01	.6595	558.7
531	.95000	.90000	385.00	.5510-02	.7341-02	.7341-02	.9500	.1597-03	.2128-03	.2215-01	.1489	553.0

VERT TAIL

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
522	3.508	3.010	.3200-01	.8936-04	33.88	709.7	252.4	.9085	5.762	2344.	.9716-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO RE^(R) =.0175
522	.5323-01	.9713-02

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
522	.10000+00	.10000+00	340.00	.1408	.2069	.2069	.9500	.7496-02	.1101-01	.8330	5.733	598.5
522	.10000+00	.30000	341.00	.1190	.1775	.1775	.9500	.6333-02	.9448-02	.6818	4.838	602.0
522	.10000+00	.50000	342.00	.8828-01	.1241	.1241	.9500	.4699-02	.6608-02	.5774	4.268	586.8
522	.20000	.10000+00	343.00	.1554	.2280	.2280	.9500	.8271-02	.1214-01	.9218	6.448	598.2
522	.20000	.20000	344.00	.1533	.2327	.2327	.9500	.8159-02	.1238-01	.8484	6.069	605.7
522	.20000	.40000	345.00	.1311	.1920	.1920	.9500	.6977-02	.1022-01	.7798	5.403	597.9
522	.20000	.60000	346.00	.7761-01	.1042	.1042	.9500	.4131-02	.5545-02	.5749	4.077	570.5
522	.20000	.80000	347.00	.3045-01	.3839-01	.3839-01	.9500	.1621-02	.2044-02	.2779	1.972	538.2
522	.30000	.50000-01	348.00	.1441	.2125	.2125	.9500	.7671-02	.1131-01	.8457	6.171	599.4
522	.30000	.20000	349.00	.1374	.2034	.2034	.9500	.7314-02	.1083-01	.8000	5.590	600.3
522	.30000	.40000	350.00	.1344	.1977	.1977	.9500	.7155-02	.1052-01	.7932	5.547	598.8
522	.30000	.50000	351.00	.1252	.1783	.1783	.9500	.6665-02	.9492-02	.7941	5.436	590.5
522	.30000	.90000	352.00	.3358-01	.4267-01	.4267-01	.9500	.1788-02	.2271-02	.2980	2.214	543.0
522	.40000	.10000+00	353.00	.1232	.1705	.1705	.9500	.6558-02	.9074-02	.8392	6.016	581.7
522	.40000	.20000	354.00	.1312	.1831	.1831	.9500	.6984-02	.9747-02	.8740	6.058	584.5
522	.40000	.50000	356.00	.1183	.1709	.1709	.9500	.6295-02	.9097-02	.7252	5.115	594.5
522	.40000	.90000	358.00	.3717-01	.4756-01	.4756-01	.9500	.1979-02	.2532-02	.3215	2.399	547.2
522	.50000	.50000-01	359.00	.1148	.1726	.1726	.9500	.6111-02	.9188-02	.6475	4.913	603.7
522	.50000	.70000	360.00	.2797-01	.3569-01	.3569-01	.9500	.1489-02	.1900-02	.2442	1.942	545.6
522	.50000	.90000	361.00	.3502-01	.4521-01	.4521-01	.9500	.1864-02	.2407-02	.2935	2.067	552.2
522	.60000	.50000-01	362.00	.1120	.1686	.1686	.9500	.5960-02	.8976-02	.6296	4.694	604.0

IH102 60-0 VERTICAL TAIL (R4WT24)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
522	.60000	.10000+00	363.00	.1133	.1625	.1625	.9500	.6033-02	.8650-02	.7074	5.215	592.4
522	.60000	.20000	364.00	.9875-01	.1336	.1336	.9500	.5257-02	.7109-02	.7158	5.185	573.5
522	.60000	.40000	365.00	.1000	.1392	.1392	.9500	.5323-02	.7412-02	.6703	4.604	583.7
522	.60000	.50000	366.00	.7758-01	.1086	.1086	.9500	.4130-02	.5779-02	.5135	3.558	585.3
522	.60000	.70000	367.00	.3427-01	.4395-01	.4395-01	.9500	.1824-02	.2339-02	.2939	2.333	548.6
522	.60000	.90000	368.00	.4641-01	.6036-01	.6036-01	.9500	.2470-02	.3213-02	.3792	2.799	556.1
522	.70000	.50000-01	369.00	.8883-01	.1340	.1340	.9500	.4729-02	.7135-02	.4975	3.911	604.5
522	.70000	.70000	370.00	.3691-01	.4781-01	.4781-01	.9500	.1965-02	.2545-02	.3060	2.466	553.9
522	.70000	.90000	371.00	.4868-01	.6380-01	.6380-01	.9500	.2591-02	.3396-02	.3880	2.957	560.0
522	.80000	.10000+00	373.00	.9831-01	.1436	.1436	.9500	.5233-02	.7647-02	.5884	4.356	597.2
522	.80000	.40000	374.00	.5273-01	.6922-01	.6922-01	.9500	.2807-02	.3685-02	.4181	2.979	560.7
522	.80000	.50000	375.00	.4786-01	.6199-01	.6199-01	.9500	.2548-02	.3300-02	.3867	2.706	554.0
522	.80000	.70000	376.00	.3878-01	.4937-01	.4937-01	.9500	.2064-02	.2628-02	.3414	2.716	544.3
522	.80000	.90000	377.00	.3989-01	.5119-01	.5119-01	.9500	.2123-02	.2725-02	.3411	2.614	549.0
522	.90000	.10000+00	378.00	.1088	.1639	.1639	.9500	.5792-02	.8723-02	.6116	4.266	604.1
522	.90000	.30000	379.00	.8496-01	.1148	.1148	.9500	.4522-02	.6113-02	.6167	4.439	573.3
522	.90000	.50000	380.00	.3888-01	.4939-01	.4939-01	.9500	.2069-02	.2629-02	.3450	2.403	543.0
522	.90000	.70000	381.00	.3741-01	.4825-01	.4825-01	.9500	.1991-02	.2568-02	.3145	2.266	551.7
522	.90000	.90000	382.00	.1922-01	.2436-01	.2436-01	.9500	.1023-02	.1296-02	.1720	1.288	541.5
522	.95000	.30000	383.00	.8802-01	.1199	.1199	.9500	.4685-02	.6380-02	.6260	4.385	576.1
522	.95000	.50000	384.00	.5665-01	.7545-01	.7545-01	.9500	.3015-02	.4017-02	.4293	3.001	567.3
522	.95000	.90000	385.00	.2520-01	.3204-01	.3204-01	.9500	.1341-02	.1706-02	.2228	1.505	543.5

VERT TAIL

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDIT ONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
553	2.006	4.020	-39.96	-.2422-02	33.00	708.7	167.5	.2116	2.394	2550.	.3411-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
553	.3433-01	.1640-01

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
553	.10000+00	.10000+00	340.00	.4636	.6415	.6415	.9500	.1591-01	.2202-01	2.034	14.12	580.9
553	.10000+00	.30000	341.00	.4643	.6552	.6552	.9500	.1594-01	.2249-01	1.938	13.86	587.0
553	.10000+00	.50000	342.00	.2424	.3295	.3295	.9500	.8321-02	.1131-01	1.116	8.298	574.6
553	.20000	.10000+00	343.00	.6829	1.006	1.006	.9500	.2344-01	.3453-01	2.587	18.09	598.3
553	.20000	.20000	344.00	.4665	.6781	.6781	.9500	.1601-01	.2328-01	1.818	13.08	595.1
553	.20000	.40000	345.00	.3337	.4559	.4559	.9500	.1146-01	.1565-01	1.515	10.61	576.4
553	.20000	.60000	346.00	.1860	.2445	.2445	.9500	.6385-02	.8395-02	.9449	6.734	560.7
553	.20000	.80000	347.00	.5463-01	.6992-01	.6992-0.	.9500	.1875-02	.2400-02	.3038	2.146	546.6
553	.30000	.50000-01	348.00	.6207	.9125	.9125	.9500	.2131-01	.3132-01	2.381	17.24	597.9
553	.30000	.20000	349.00	.3999	.5632	.5632	.9500	.1372-01	.1933-01	1.676	11.79	586.6
553	.30000	.40000	350.00	.3101	.4243	.4243	.9500	.1065-01	.1457-01	1.402	9.912	577.0
553	.30000	.50000	351.00	.2887	.3933	.3933	.9500	.9911-02	.1350-01	1.320	9.106	575.4
553	.30000	.80000	352.00	.1238	.1612	.1612	.9500	.4249-02	.5532-02	.6493	4.793	555.9
553	.40000	.10000+00	353.00	.5147	.7457	.7457	.9500	.1767-01	.2560-01	2.021	14.40	594.3
553	.40000	.20000	354.00	.3593	.4924	.4924	.9500	.1233-01	.1690-01	1.616	11.24	577.6
553	.40000	.40000	355.00	.2033-01	.2967-01	.2967-0.	.9500	.6978-03	.1018-02	.7852-01	.5411	596.1
553	.40000	.50000	356.00	.2198	.2975	.2975	.9500	.7546-02	.1021-01	1.024	7.299	573.0
553	.40000	.70000	357.00	.3614-01	.4508-01	.4508-01	.9500	.1240-02	.1547-02	.2216	1.715	530.0
553	.40000	.90000	358.00	.7530-01	.9802-01	.9802-01	.9500	.2585-02	.3365-02	.3952	2.937	555.8
553	.50000	.50000-01	359.00	.3628	.5101	.5101	.9500	.1245-01	.1751-01	1.529	11.70	585.9
553	.50000	.70000	360.00	.2781	.3836	.3836	.9500	.9546-02	.1317-01	1.229	9.606	579.9

IH102 60-0 VERTICAL TAIL (R4WT25)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
553	.50000	.90000	361.00	.3223-01	.4131-01	.4131-01	.9500	.1106-02	.1418-02	.1782	1.258	547.6
553	.60000	.50000-01	362.00	.2961-01	.3789-01	.3789-01	.9500	.1016-02	.1301-02	.1649	1.265	546.5
553	.60000	.10000+00	363.00	.2287	.3052	.3052	.9500	.7850-02	.1048-01	1.110	8.282	567.3
553	.60000	.20000	364.00	.1327	.1736	.1736	.9500	.4555-02	.5959-02	.6848	4.999	558.3
553	.60000	.40000	365.00	.8315-01	.1070	.1070	.9500	.2854-02	.3673-02	.4537	3.170	549.7
553	.60000	.50000	366.00	.5559-01	.7102-01	.7102-01	.9500	.1908-02	.2438-02	.3113	2.200	545.6
553	.60000	.70000	367.00	.2045-01	.2591-01	.2591-01	.9500	.7022-03	.8895-03	.1181	.9414	540.5
553	.60000	.90000	368.00	.2034-01	.2585-01	.2585-01	.9500	.6981-03	.8874-03	.1159	.8616	542.6
553	.70000	.50000-01	369.00	.2335	.3224	.3224	.9500	.8017-02	.1107-01	1.031	8.203	580.1
553	.70000	.70000	370.00	.3355-01	.4266-01	.4266-01	.9500	.1152-02	.1464-02	.1911	1.549	542.8
553	.70000	.90000	371.00	.4090-01	.5231-01	.5231-01	.9500	.1404-02	.1796-02	.2282	1.751	546.2
553	.80000	.10000+00	373.00	.2127	.2855	.2855	.9500	.7300-02	.9799-02	1.014	7.613	569.7
553	.80000	.40000	374.00	.5022-01	.6480-01	.6480-01	.9500	.1724-02	.2225-02	.2715	1.944	551.2
553	.80000	.50000	375.00	.4656-01	.5975-01	.5975-01	.9500	.1598-02	.2051-02	.2565	1.754	548.2
553	.80000	.70000	376.00	.2271-01	.2895-01	.2895-01	.9500	.7795-03	.9939-03	.1281	1.019	544.4
553	.80000	.90000	377.00	.1598-01	.2042-01	.2042-01	.9500	.5485-03	.7011-03	.8931-01	.6855	545.9
553	.90000	.10000+00	378.00	.2546	.3515	.3515	.9500	.8740-02	.1207-01	1.124	7.931	580.1
553	.90000	.30000	379.00	.8346-01	.1080	.1080	.9500	.2865-02	.3706-02	.4474	3.254	552.5
553	.90000	.50000	380.00	.3499-01	.4458-01	.4458-01	.9500	.1201-02	.1530-02	.1979	1.377	543.9
553	.90000	.70000	381.00	.1877-01	.2392-01	.2392-01	.9500	.6445-03	.8209-03	.1062	.7685	543.8
553	.90000	.90000	382.00	.7731-02	.9926-02	.9926-02	.9500	.2654-03	.3407-03	.4252-01	.3172	548.4
553	.95000	.30000	383.00	.1289	.1687	.1687	.9500	.4426-02	.5792-02	.6649	4.699	558.4
553	.95000	.50000	384.00	.5954-01	.7682-01	.7682-01	.9500	.2044-02	.2637-02	.3219	2.269	551.2
553	.95000	.90000	385.00	.2064-01	.2662-01	.2662-01	.9500	.7086-03	.9138-03	.1118	.7523	550.9

IH102 60-0 VERTICAL TAIL (R4W.25)

VERT TAIL

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
550	3.514	4.020	-39.96	.0000	57.91	709.7	167.7	.3714	4.201	2552.	.5978-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
550	.4549-01	.1239-01

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
550	.10000+00	.10000+00	340.00	.5007	.7874	.7874	.9500	.2278-01	.3581-01	2.220	15.18	612.2
550	.10000+00	.30000	341.00	.4671	.7262	.7262	.9500	.2125-01	.3303-01	2.113	14.94	610.2
550	.10000+00	.50000	342.00	.2809	.4033	.4033	.9500	.1278-01	.1835-01	1.494	11.01	592.8
550	.20000	.10000+00	343.00	.6647	1.182	1.182	.9500	.3023-01	.5377-01	2.451	16.89	628.6
550	.20000	.20000	344.00	.5101	.8258	.8258	.9500	.2320-01	.3756-01	2.153	15.32	616.9
550	.20000	.40000	345.00	.3834	.5635	.5635	.9500	.1744-01	.2563-01	1.976	13.41	598.6
550	.20000	.60000	346.00	.2151	.2919	.2919	.9500	.9783-02	.1328-01	1.319	9.335	574.8
550	.20000	.80000	347.00	.9415-01	.1236	.1236	.9500	.4283-02	.5624-02	.6370	4.467	560.9
550	.30000	.50000-01	348.00	.6838	1.243	1.243	.9500	.3110-01	.5653-01	2.453	17.63	630.8
550	.30000	.20000	349.00	.4948	.7733	.7733	.9500	.2251-01	.3517-01	2.217	15.41	611.1
550	.30000	.40000	350.00	.3639	.5305	.5305	.9500	.1655-01	.2413-01	1.870	13.09	596.7
550	.30000	.60000	351.00	.3345	.4826	.4826	.9500	.1522-01	.2195-01	1.760	12.03	594.0
550	.30000	.90000	352.00	.1510	.2021	.2021	.9500	.6866-02	.9191-02	.9634	7.064	569.4
550	.40000	.10000+00	353.00	.5727	.9496	.9496	.9500	.2605-01	.4319-01	2.329	16.38	620.3
550	.40000	.20000	354.00	.4189	.6208	.6208	.9500	.1905-01	.2824-01	2.079	14.29	600.6
550	.40000	.40000	355.00	.1191-01	.1604-01	.1604-01	.9500	.5416-03	.7295-03	.7457-01	.5201	572.0
550	.40000	.50000	356.00	.2700	.3820	.3820	.9500	.1228-01	.1737-01	1.487	10.52	588.6
550	.40000	.70000	357.00	.3146-01	.3932-01	.3932-01	.9500	.1431-02	.1788-02	.2543	1.965	532.0
550	.40000	.90000	358.00	.7438-01	.9856-01	.9856-01	.9500	.3383-02	.4423-02	.4893	3.620	565.0
550	.50000	.50000-01	359.00	.4034	.6315	.6315	.9500	.1835-01	.2873-01	1.802	13.62	611.5
550	.50000	.70000	360.00	.2724	.4000	.4000	.9500	.1239-01	.1820-01	1.378	10.67	598.5

IH102 60-0 VERTICAL TAIL. (R4WT25)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
550	.50000	.90000	361.00	.2486-01	.3225-01	.3225-01	.9500	.1131-02	.1467-02	.1749	1.230	554.9
550	.60000	.50000-01	362.00	.3141-01	.4041-01	.4041-01	.9500	.1429-02	.1838-02	.2277	1.743	550.3
550	.60000	.10000+00	363.00	.2487	.3476	.3476	.9500	.1131-01	.1581-01	1.412	10.45	584.9
550	.60000	.20000	364.00	.1900	.2589	.2589	.9500	.8643-02	.1178-01	1.153	8.341	576.3
550	.60000	.40000	365.00	.1317	.1749	.1749	.9500	.5989-02	.7955-02	.8600	5.959	566.1
550	.60000	.50000	366.00	.9581-01	.1255	.1255	.9500	.4358-02	.5708-02	.6540	4.589	559.6
550	.60000	.70000	367.00	.2621-01	.3347-01	.3347-01	.9500	.1192-02	.1522-02	.1950	1.550	546.1
550	.60000	.90000	368.00	.2341-01	.3000-01	.3000-01	.9500	.1065-02	.1365-02	.1718	1.273	548.3
550	.70000	.50000 01	369.00	.2106	.3079	.3079	.9500	.9578-02	.1401-01	1.075	8.481	597.4
550	.70000	.70000	370.00	.3553-01	.4539-01	.4539-01	.9500	.1616-02	.2065-02	.2638	2.135	546.4
550	.70000	.90000	371.00	.4479-01	.5765-01	.5765-01	.9500	.2038-02	.2622-02	.3243	2.483	550.5
550	.80000	.10000+00	373.00	.1867	.2604	.2604	.9500	.8491-02	.1185-01	1.064	7.926	584.4
550	.80000	.40000	374.00	.6630-01	.8702-01	.8702-01	.9500	.3016-02	.3958-02	.4493	3.202	560.7
550	.80000	.50000	375.00	.5874-01	.7640-01	.7640-01	.9500	.2672-02	.3475-02	.4101	2.794	556.2
550	.80000	.70000	376.00	.3256-01	.4173-01	.4173-01	.9500	.1481-02	.1898-02	.2392	1.899	548.2
550	.80000	.90000	377.00	.2354-01	.3033-01	.3033-01	.9500	.1071-02	.1380-02	.1699	1.300	551.1
550	.90000	.10000+00	378.00	.2272	.3305	.3305	.9500	.1033-01	.1503-01	1.173	8.214	596.2
550	.90000	.30000	379.00	.8226-01	.1080	.1080	.9500	.3742-02	.4913-02	.5566	4.032	560.9
550	.90000	.50000	380.00	.2674-01	.3441-01	.3441-01	.9500	.1216-02	.1565-02	.1936	1.343	550.5
550	.90000	.70000	381.00	.1917-01	.2446-01	.2446-01	.9500	.8722-03	.1113-02	.1432	1.035	545.5
550	.90000	.90000	382.00	.1011-01	.1301-01	.1301-01	.9500	.4598-03	.5917-03	.7316-01	.5451	550.6
550	.95000	.30000	383.00	.1281	.1709	.1709	.9500	.5826-02	.7775-02	.8247	5.799	568.1
550	.95000	.50000	384.00	.5921-01	.7720-01	.7720-01	.9500	.2693-02	.3511-02	.4101	2.881	557.4
550	.95000	.90000	385.00	.1795-01	.2328-01	.2328-01	.9500	.8164-03	.1059-02	.1264	.8488	554.8

VERT TAIL

PARAMETRIC DATA

MACH = 4.000 ALPHA = -30.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
549	3.467	4.020	-29.98	.3163-02	57.99	716.7	169.3	.3719	4.207	2564.	.5928-02	.1363-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
549	.4560-01	.1246-01

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
549	.10000+00	.10000+00	340.00	.3575	.5266	.5266	.9500	.1630-01	.2401-01	1.819	12.48	605.1
549	.10000+00	.30000	341.00	.4059	.6229	.6229	.9500	.1851-01	.2840-01	1.904	13.43	613.8
549	.10000+00	.50000	342.00	.3111	.4497	.4497	.9500	.1419-01	.2050-01	1.650	12.12	600.3
549	.20000	.10000+00	343.00	.3768	.5672	.5672	.9500	.1718-01	.2586-01	1.834	12.35	609.9
549	.20000	.20000	344.00	.3749	.5892	.5892	.9500	.1709-01	.2687-01	1.684	11.97	618.8
549	.20000	.40000	345.00	.3413	.5111	.5111	.9500	.1556-01	.2331-01	1.678	11.67	608.0
549	.20000	.60000	346.00	.2112	.2913	.2913	.9500	.9632-02	.1328-01	1.256	8.838	586.3
549	.20000	.80000	347.00	.1016	.1347	.1347	.9500	.4633-02	.6142-02	.6758	4.715	570.8
549	.30000	.50000-01	348.00	.3657	.5469	.5469	.9500	.1668-01	.2494-01	1.804	13.11	608.5
549	.30000	.20000	349.00	.2829	.4091	.4091	.9500	.1290-01	.1865-01	1.500	10.48	600.4
549	.30000	.40000	350.00	.3175	.4779	.4779	.9500	.1448-01	.2179-01	1.545	10.75	609.9
549	.30000	.50000	351.00	.3255	.4830	.4830	.9500	.1484-01	.2202-01	1.631	11.07	606.8
549	.30000	.90000	352.00	.1482	.1997	.1997	.9500	.6757-02	.9108-02	.9381	6.849	577.6
549	.40000	.10000+00	353.00	.2481	.3539	.3539	.9500	.1131-01	.1614-01	1.355	9.638	596.9
549	.40000	.20000	354.00	.2531	.3604	.3604	.9500	.1154-01	.1643-01	1.389	9.574	596.3
549	.40000	.40000	355.00	.1466-01	.1936-01	.1936-01	.9500	.6686-03	.8828-03	.9874-01	.6897	569.0
549	.40000	.50000	356.00	.2615	.3845	.3845	.9500	.1192-01	.1753-01	1.336	9.375	604.6
549	.40000	.70000	357.00	.2863-01	.3558-01	.3558-01	.9500	.1306-02	.1623-02	.2396	1.851	533.2
549	.40000	.90000	358.00	.1349	.1831	.1831	.9500	.6149-02	.8348-02	.8367	6.142	580.6
549	.50000	.50000-01	359.00	.2053	.3056	.3056	.9500	.9363-02	.1393-01	1.023	7.745	607.4
549	.50000	.70000	360.00	.1785	.2632	.2632	.9500	.8138-02	.1200-01	.9059	6.991	605.4

IH102 60-0 VERTICAL TAIL (R4WT26)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
549	.50000	.90000	361.00	.5111-01	.6819-01	.6819-01	.9500	.2330-02	.3109-02	.3334	2.323	573.6
549	.60000	.50000-01	362.00	.2897-01	.3752-01	.3752-01	.9500	.1321-02	.1711-02	.2078	1.584	559.4
549	.60000	.10000+00	363.00	.1504	.2092	.2092	.9500	.6859-02	.9540-02	.8747	6.458	589.2
549	.60000	.20000	364.00	.1590	.2143	.2143	.9500	.7251-02	.9773-02	1.007	7.277	577.8
549	.60000	.40000	365.00	.1188	.1606	.1606	.9500	.5415-02	.7322-02	.7453	5.131	579.0
549	.60000	.50000	366.00	.7952-01	.1070	.1070	.9500	.3626-02	.4880-02	.5054	3.515	577.3
549	.60000	.70000	367.00	.2987-01	.3885-01	.3885-01	.9500	.1362-02	.1771-02	.2112	1.665	561.6
549	.60000	.90000	368.00	.4229-01	.5580-01	.5580-01	.9500	.1928-02	.2544-02	.2854	2.093	568.7
549	.70000	.50000-01	369.00	.1471	.2176	.2176	.9500	.6706-02	.9922-02	.7415	5.824	606.1
549	.70000	.70000	370.00	.3716-01	.4814-01	.4814-01	.9500	.1695-02	.2195-02	.2663	2.140	559.5
549	.70000	.90000	371.00	.4890-01	.6403-01	.6403-01	.9500	.2230-02	.2919-02	.3383	2.572	565.0
549	.80000	.10000+00	373.00	.1618	.2294	.2294	.9500	.7376-02	.1046-01	.8966	6.646	595.1
549	.80000	.40000	374.00	.1208	.1590	.1590	.9500	.5508-02	.7249-02	.8218	5.837	567.5
549	.80000	.50000	375.00	.1058	.1382	.1382	.9500	.4824-02	.6302-02	.7370	5.002	563.9
549	.80000	.70000	376.00	.4981-01	.6410-01	.6410-01	.9500	.2271-02	.2923-02	.3652	2.889	555.9
549	.80000	.90000	377.00	.4080-01	.5280-01	.5280-01	.9500	.1860-02	.2407-02	.2934	2.237	559.0
549	.90000	.10000+00	378.00	.2093	.3079	.3079	.9500	.9545-02	.1404-01	1.068	7.450	604.7
549	.90000	.30000	379.00	.7880-01	.1047	.1047	.9500	.3593-02	.4774-02	.5204	3.748	571.8
549	.90000	.50000	380.00	.3978-01	.5218-01	.5218-01	.9500	.1814-02	.2379-02	.2734	1.883	565.9
549	.90000	.70000	381.00	.1816-01	.2328-01	.2328-01	.9500	.8282-03	.1062-02	.1349	.9713	553.7
549	.90000	.90000	382.00	.2198-01	.2843-01	.2843-01	.9500	.1002-02	.1296-02	.1583	1.175	558.7
549	.95000	.30000	383.00	.1151	.1543	.1543	.9500	.5246-02	.7036-02	.7390	5.177	575.8
549	.95000	.50000	384.00	.4990-01	.6534-01	.6534-01	.9500	.2275-02	.2979-02	.3450	2.415	565.0
549	.95000	.90000	385.00	.2348-01	.3056-01	.3056-01	.9500	.1071-02	.1393-02	.1658	1.109	561.8

IH102 60-0 VERTICAL TAIL (R4WT27)

VERT TAIL

PARAMETRIC DATA

MACH = 4.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
540	3.514	4.020	-14.45	.0000	57.92	709.7	167.7	.3714	4.202	2552.	.5979-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
540	.4549-01	.1239-01

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
540	.10000+00	.10000+00	340.00	.1625	.2256	.2256	.9500	.7392-02	.1026-01	.9374	6.502	582.8
540	.10000+00	.30000	341.00	.1640	.2379	.2379	.9500	.7459-02	.1082-01	.8519	6.065	595.5
540	.10000+00	.50000	342.00	.1177	.1620	.1620	.9500	.5354-02	.7369-02	.6948	5.154	579.9
540	.20000	.10000+00	343.00	.1743	.2386	.2386	.9500	.7928-02	.1085-01	1.044	7.376	578.0
540	.20000	.20000	344.00	.1557	.2212	.2212	.9500	.7082-02	.1006-01	.8485	6.118	589.9
540	.20000	.40000	345.00	.1438	.1984	.1984	.9500	.6539-02	.9024-02	.8426	5.888	580.8
540	.20000	.60000	346.00	.8474-01	.1110	.1110	.9500	.3855-02	.5050-02	.5782	4.122	558.7
540	.20000	.80000	347.00	.3162-01	.3991-01	.3991-01	.9500	.1438-02	.1816-02	.2455	1.741	539.0
540	.30000	.50000-01	348.00	.1808	.2566	.2566	.9500	.8224-02	.1167-01	.9874	7.240	589.6
540	.30000	.20000	349.00	.1422	.1919	.1919	.9500	.6467-02	.8727-02	.8861	6.277	572.7
540	.30000	.40000	350.00	.1440	.2019	.2019	.9500	.6551-02	.9185-02	.8105	5.704	585.9
540	.30000	.50000	351.00	.1379	.1903	.1903	.9500	.6274-02	.8657-02	.8087	5.562	580.8
540	.30000	.90000	352.00	.4661-01	.6003-01	.6003-01	.9500	.2120-02	.2731-02	.3316	2.491	550.9
540	.40000	.10000+00	353.00	.1554	.2111	.2111	.9500	.7067-02	.9605-02	.9490	6.824	575.4
540	.40000	.20000	354.00	.1170	.1549	.1549	.9500	.5323-02	.7046-02	.7724	5.407	564.6
540	.40000	.50000	356.00	.1168	.1614	.1614	.9500	.5315-02	.7342-02	.6829	4.848	581.2
540	.40000	.90000	358.00	.5267-01	.6851-01	.6851-01	.9500	.2396-02	.3117-02	.3677	2.732	556.2
540	.50000	.50000-01	359.00	.1653	.2460	.2460	.9500	.7520-02	.1119-01	.8134	6.179	601.5
540	.50000	.70000	360.00	.2481-01	.3165-01	.3165-01	.9500	.1129-02	.1440-02	.1852	1.473	545.6
540	.50000	.90000	361.00	.4452-01	.5784-01	.5784-01	.9500	.2025-02	.2631-02	.3119	2.193	555.6
540	.60000	.50000-01	362.00	.1624	.2425	.2425	.9500	.7389-02	.1103-01	.7937	5.923	602.2

IH102 60-0 VERTICAL TAIL

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
540	.60000	.10000+00	363.00	.1574	.2237	.2237	.9500	.7161-02	.1017-01	.8578	6.331	589.9
540	.60000	.20000	364.00	.1222	.1640	.1640	.9500	.5557-02	.7460-02	.7732	5.610	570.5
540	.60000	.40000	365.00	.5488-01	.7145-01	.7145-01	.9500	.2497-02	.3250-02	.3820	2.659	556.7
540	.60000	.50000	366.00	.3525-01	.4556-01	.4556-01	.9500	.1604-02	.2072-02	.2516	1.772	552.8
540	.60000	.70000	367.00	.1049-01	.1325-01	.1325-01	.9500	.4770-03	.6026-03	.8121-01	.6476	539.4
540	.60000	.90000	368.00	.1013-01	.1293-01	.1293-01	.9500	.4608-03	.5881-03	.7554-01	.5604	545.8
540	.70000	.50000-01	369.00	.1411	.2148	.2148	.9500	.6418-02	.9773-02	.6634	5.211	606.3
540	.70000	.70000	370.00	.1322-01	.1676-01	.1676-01	.9500	.6013-03	.7624-03	.1010	.8190	541.7
540	.70000	.90000	371.00	.8910-02	.1136-01	.1136-01	.9500	.4053-03	.5169-03	.6662-01	.5115	545.3
540	.80000	.10000+00	373.00	.1500	.2216	.2216	.9500	.6821-02	.1008-01	.7489	5.538	599.9
540	.80000	.40000	374.00	.7699-01	.1026	.1026	.9500	.3502-02	.4667-02	.4980	3.537	567.5
540	.80000	.50000	375.00	.5910-01	.7734-01	.7734-01	.9500	.2688-02	.3518-02	.4045	2.752	559.2
540	.80000	.70000	376.00	.2443-01	.3120-01	.3120-01	.9500	.1111-02	.1419-02	.1818	1.445	546.1
540	.80000	.90000	377.00	.1249-01	.1590-01	.1590-01	.9500	.5682-03	.7233-03	.9404-01	.7224	544.2
540	.90000	.10000+00	378.00	.1471	.2182	.2182	.9500	.6690-02	.9928-02	.7280	5.085	600.9
540	.90000	.30000	379.00	.9051-01	.1208	.1208	.9500	.4117-02	.5494-02	.5830	4.207	568.1
540	.90000	.50000	380.00	.4794-01	.6154-01	.6154-01	.9500	.2181-02	.2800-02	.3500	2.431	549.2
540	.90000	.70000	381.00	.2481-01	.3175-01	.3175-01	.9500	.1129-02	.1444-02	.1834	1.324	547.2
540	.90000	.90000	382.00	.1624-01	.2093-01	.2093-01	.9500	.7387-03	.9521-03	.1169	.8710	551.4
540	.95000	.30000	383.00	.8382-01	.1123	.1123	.9500	.3813-02	.5108-02	.5337	3.750	569.7
540	.95000	.50000	384.00	.4163-01	.5404-01	.5404-01	.9500	.1894-02	.2458-02	.2928	2.060	555.1
540	.95000	.90000	385.00	.1646-01	.2124-01	.2124-01	.9500	.7487-03	.9661-03	.1180	.7936	552.0

IH102 60-0 VERTICAL TAIL (R4WT28)

VERT TAIL

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
537	3.506	4.020	.0000	-14.33	57.91	710.7	167.9	.3714	4.201	2554.	.5970-02	.1351-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
537	.4550-01	.1240-01

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
537	.10000+00	.10000+00	340.00	.2135	.3018	.3018	.9500	.9713-02	.1373-01	1.180	8.156	589.2
537	.10000+00	.30000	341.00	.1932	.2676	.2676	.9500	.8789-02	.1217-01	1.123	8.048	582.9
537	.10000+00	.50000	342.00	.1035	.1374	.1374	.9500	.4710-02	.6250-02	.6792	5.072	566.5
537	.20000	.10000+00	343.00	.1956	.2785	.2785	.9500	.8899-02	.1267-01	1.062	7.456	591.3
537	.20000	.20000	344.00	.2567	.3761	.3761	.9500	.1168-01	.1711-01	1.308	9.391	598.7
537	.20000	.40000	345.00	.2141	.3025	.3025	.9500	.9743-02	.1376-01	1.185	8.249	589.0
537	.20000	.60000	346.00	.1139	.1499	.1499	.9500	.5180-02	.6820-02	.7655	5.449	562.9
537	.20000	.80000	347.00	.2677-01	.3348-01	.3348-01	.9500	.1218-02	.1523-02	.2159	1.535	533.4
537	.30000	.50000-01	348.00	.1648	.2335	.2335	.9500	.7497-02	.1062-01	.9052	6.636	589.9
537	.30000	.20000	349.00	.2223	.3205	.3205	.9500	.1012-01	.1458-01	1.173	8.223	594.7
537	.30000	.40000	350.00	.2040	.2912	.2912	.9500	.9284-02	.1325-01	1.102	7.736	591.9
537	.30000	.50000	351.00	.2029	.2858	.2858	.9500	.9232-02	.1301-01	1.130	7.747	588.2
537	.30000	.90000	352.00	.6304-01	.8057-01	.8057-01	.9500	.2868-02	.3666-02	.4686	3.474	547.3
537	.40000	.10000+00	353.00	.1999	.2771	.2771	.9500	.9095-02	.1261-01	1.160	8.306	583.2
537	.40000	.20000	354.00	.2242	.3241	.3241	.9500	.1020-01	.1475-01	1.175	8.102	595.4
537	.40000	.50000	356.00	.1636	.2270	.2270	.9500	.7442-02	.1033-01	.9458	6.707	583.6
537	.40000	.90000	358.00	.7371-01	.9552-01	.9552-01	.9500	.3354-02	.4346-02	.5219	3.880	555.1
537	.50000	.50000-01	359.00	.1593	.2305	.2305	.9500	.7249-02	.1049-01	.8339	6.353	595.6
537	.50000	.70000	360.00	.4173-01	.5293-01	.5293-01	.9500	.1899-02	.2408-02	.3188	2.538	542.8
537	.50000	.90000	361.00	.7168-01	.9300-01	.9300-01	.9500	.3261-02	.4231-02	.5054	3.554	555.7
537	.60000	.50000-01	362.00	.1607	.2330	.2330	.9500	.7312-02	.1060-01	.8378	6.271	596.1

IH102 60-0 VERTICAL TAIL (R4WT28)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
537	.60000	.10000+00	363.00	.1594	.2242	.2242	.9500	.7252-02	.1020-01	.8911	6.584	587.8
537	.60000	.20000	364.00	.1076	.1469	.1469	.9500	.4895-02	.6682-02	.6506	4.704	577.8
537	.60000	.40000	365.00	.7041-01	.9570-01	.9570-01	.9500	.3204-02	.4354-02	.4307	2.969	576.2
537	.60000	.50000	366.00	.7411-01	.1000	.1000	.9500	.3372-02	.4551-02	.4625	3.223	573.5
537	.60000	.70000	367.00	.3599-01	.4567-01	.4567-01	.9500	.1637-02	.2078-02	.2745	2.185	543.0
537	.60000	.90000	368.00	.5665-01	.7337-01	.7337-01	.9500	.2577-02	.3338-02	.4018	2.967	554.8
537	.70000	.50000-01	369.00	.1477	.2156	.2156	.9500	.6719-02	.9811-02	.7576	5.975	597.9
537	.70000	.70000	370.00	.2905-01	.3691-01	.3691-01	.9500	.1322-02	.1679-02	.2207	1.788	543.7
537	.70000	.90000	371.00	.3213-01	.4128-01	.4128-01	.9500	.1462-02	.1878-02	.2343	1.794	550.4
537	.80000	.10000+00	373.00	.1487	.2156	.2156	.9500	.6765-02	.9807-02	.7749	5.741	596.1
537	.80000	.40000	374.00	.4996-01	.6737-01	.6737-01	.9500	.2273-02	.3065-02	.3126	2.214	573.2
537	.80000	.50000	375.00	.5671-01	.7517-01	.7517-01	.9500	.2580-02	.3420-02	.3732	2.530	566.0
537	.80000	.70000	376.00	.4836-01	.6235-01	.6235-01	.9500	.2201-02	.2837-02	.3486	2.762	552.2
537	.80000	.90000	377.00	.4614-01	.5958-01	.5958-01	.9500	.2100-02	.2711-02	.3308	2.530	553.1
537	.90000	.10000+00	378.00	.1870	.2726	.2726	.9500	.8508-02	.1240-01	.9630	6.739	597.5
537	.90000	.30000	379.00	.1722	.2369	.2369	.9500	.7837-02	.1078-01	1.020	7.319	580.5
537	.90000	.50000	380.00	.7110-01	.9067-01	.9067-01	.9500	.3235-02	.4125-02	.5326	3.705	546.0
537	.90000	.70000	381.00	.9203-01	.1202	.1202	.9500	.4187-02	.5470-02	.6345	4.555	559.1
537	.90000	.90000	382.00	.7770-01	.1031	.1031	.9500	.3535-02	.4692-02	.5097	3.768	566.5
537	.95000	.30000	383.00	.1290	.1731	.1731	.9500	.5871-02	.7876-02	.8193	5.753	571.1
537	.95000	.50000	384.00	.1030	.1374	.1374	.9500	.4685-02	.6253-02	.6642	4.639	568.9
537	.95000	.90000	385.00	.6490-01	.8469-01	.8469-01	.9500	.2953-02	.3853-02	.4489	3.008	558.6

IH102 60-0 VERTICAL TAIL (R4WT29)

VERT TAIL

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
534	3.517	4.020	.2000-01	.1396-04	57.96	709.7	167.7	.3717	4.205	2552.	.5983-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
534	.4551-01	.1239-01

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
534	.10000+00	.10000+00	340.00	.1121	.1522	.1522	.9500	.5101-02	.6928-02	.6863	4.778	575.1
534	.10000+00	.30000	341.00	.7978-01	.1090	.1090	.9500	.3630-02	.4960-02	.4806	3.453	577.3
534	.10000+00	.50000	342.00	.6476-01	.8612-01	.8612-01	.9500	.2947-02	.3919-02	.4217	3.149	566.6
534	.20000	.10000+00	343.00	.9566-01	.1288	.1288	.9500	.4353-02	.5862-02	.6000	4.252	571.8
534	.20000	.20000	344.00	.7071-01	.9466-01	.9466-01	.9500	.3218-02	.4308-02	.4512	3.286	569.4
534	.20000	.40000	345.00	.1098	.1506	.1506	.9500	.4996-02	.6854-02	.6541	4.575	578.8
534	.20000	.60000	346.00	.5913-01	.7788-01	.7788-01	.9500	.2691-02	.3544-02	.3966	2.824	562.3
534	.20000	.80000	347.00	.1413-01	.1798-01	.1798-01	.9500	.6431-03	.8183-03	.1066	.7538	543.9
534	.30000	.50000-01	348.00	.9952-01	.1375	.1375	.9500	.4529-02	.6255-02	.5822	4.287	581.1
534	.30000	.20000	349.00	.5969-01	.7882-01	.7882-01	.9500	.2716-02	.3587-02	.3972	2.827	563.5
534	.30000	.40000	350.00	.9375-01	.1288	.1288	.9500	.4266-02	.5859-02	.5567	3.931	579.2
534	.30000	.50000	351.00	.8772-01	.1185	.1185	.9500	.3992-02	.5394-02	.5450	3.762	573.2
534	.30000	.90000	352.00	.9639-02	.1232-01	.1232-01	.9500	.4386-03	.5606-03	.7156-01	.5308	546.5
534	.40000	.10000+00	353.00	.8118-01	.1090	.1090	.9500	.3694-02	.4962-02	.5129	3.696	570.8
534	.40000	.20000	354.00	.6214-01	.8234-01	.8234-01	.9500	.2828-02	.3747-02	.4090	2.862	565.0
534	.40000	.50000	356.00	.6540-01	.8797-01	.8797-01	.9500	.2976-02	.4003-02	.4116	2.936	571.4
534	.40000	.90000	358.00	.1924-01	.2485-01	.2485-01	.9500	.8756-03	.1131-02	.1377	1.025	552.5
534	.50000	.50000-01	359.00	.9783-01	.1392	.1392	.9500	.4452-02	.6336-02	.5312	4.057	590.3
534	.50000	.70000	360.00	.1982-01	.2553-01	.2553-01	.9500	.9021-03	.1152-02	.1432	1.136	550.9
534	.50000	.90000	361.00	.2760-01	.3597-01	.3597-01	.9500	.1256-02	.1637-02	.1914	1.344	557.3
534	.60000	.50000-01	362.00	.9881-01	.1414	.1414	.9500	.4496-02	.6435-02	.5295	3.972	591.9

IH102 60-0 VERTICAL TAIL (R4WT29)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
534	.60000	.10000+00	363.00	.9303-01	.1290	.1290	.9500	.4233-02	.5872-02	.5382	3.987	582.5
534	.60000	.20000	364.00	.6040-01	.8067-01	.8067-01	.9500	.2748-02	.3671-02	.3880	2.818	568.5
534	.60000	.40000	365.00	.2178-01	.2840-01	.2840-01	.9500	.9910-03	.1293-02	.1507	1.049	557.6
534	.60000	.50000	366.00	.2347-01	.3058-01	.3058-01	.9500	.1068-02	.1392-02	.1629	1.144	557.2
534	.60000	.70000	367.00	.1807-01	.2326-01	.2326-01	.9500	.8225-03	.1058-02	.1309	1.038	550.5
534	.60000	.90000	368.00	.2290-01	.2982-01	.2982-01	.9500	.1042-02	.1357-02	.1594	1.176	556.8
534	.70000	.50000-01	369.00	.8830-01	.1276	.1276	.9500	.4018-02	.5807-02	.4628	3.656	594.5
534	.70000	.70000	370.00	.9465-02	.1206-01	.1206-01	.9500	.4307-03	.5488-03	.7103-01	.5752	544.8
534	.70000	.90000	371.00	.9204-02	.1185-01	.1185-01	.9500	.4188-03	.5392-03	.6657-01	.5097	550.7
534	.80000	.10000+00	373.00	.9013-01	.1287	.1287	.9500	.4101-02	.5856-02	.4857	3.607	591.2
534	.80000	.40000	374.00	.3265-01	.4332-01	.4332-01	.9500	.1486-02	.1971-02	.2140	1.521	565.7
534	.80000	.50000	375.00	.2556-01	.3345-01	.3345-01	.9500	.1163-02	.1522-02	.1749	1.190	559.3
534	.80000	.70000	376.00	.9750-02	.1251-01	.1251-01	.9500	.4437-03	.5695-03	.7127-01	.5656	549.0
534	.80000	.90000	377.00	.1556-02	.1989-02	.1989-02	.9500	.7080-04	.9049-04	.1155-01	.8858-01	546.6
534	.90000	.10000+00	378.00	.1015	.1466	.1466	.9500	.4621-02	.6670-02	.5335	3.740	594.2
534	.90000	.30000	379.00	.6316-01	.8460-01	.8460-01	.9500	.2874-02	.3850-02	.4025	2.902	569.6
534	.90000	.50000	380.00	.2459-01	.3168-01	.3168-01	.9500	.1119-02	.1442-02	.1774	1.231	551.1
534	.90000	.70000	381.00	.1567-01	.2017-01	.2017-01	.9500	.7131-03	.9181-03	.1133	.8168	550.8
534	.90000	.90000	382.00	.2568-02	.3320-02	.3320-02	.9500	.1169-03	.1511-03	.1831-01	.1363	553.0
534	.95000	.30000	383.00	.5662-01	.7574-01	.7574-01	.9500	.2577-02	.3447-02	.3623	2.546	569.1
534	.95000	.50000	384.00	.2545-01	.3330-01	.3330-01	.9500	.1158-02	.1515-02	.1744	1.225	559.1
534	.95000	.90000	385.00	.5564-02	.7218-02	.7218-02	.9500	.2532-03	.3285-03	.3919-01	.2631	554.9

IH102 60-OTS VERTICAL TAIL (R4WT30)

VERT TAIL

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
489	3.533	3.010	-5.022	-11.00	34.12	709.7	252.4	.9151	5.804	2344.	.9787-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
489	.5343-01	.9677-02

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
489	.10000+00	.10000+00	340.00	.1474	.2633	.2633	.9500	.7876-02	.1407-01	.6350	4.306	629.1
489	.10000+00	.30000	341.00	.1583	.2790	.2790	.9500	.8455-02	.1491-01	.6931	4.857	627.7
489	.10000+00	.50000	342.00	.1292	.2054	.2054	.9500	.6900-02	.1097-01	.6598	4.812	614.1
489	.20000	.10000+00	343.00	.2187	.3577	.3577	.9500	.1168-01	.1911-01	1.067	7.388	618.4
489	.20000	.20000	344.00	.2057	.3881	.3881	.9500	.1099-01	.2074-01	.8293	5.851	634.2
489	.20000	.40000	345.00	.1879	.3172	.3172	.9500	.1004-01	.1694-01	.8735	5.980	622.6
489	.20000	.60000	346.00	.1251	.1824	.1824	.9500	.6686-02	.9745-02	.7558	5.291	596.6
489	.20000	.80000	347.00	.5998-01	.7948-01	.7948-01	.9500	.3205-02	.4246-02	.4636	3.244	565.0
489	.30000	.50000-01	348.00	.1885	.3398	.3398	.9500	.1007-01	.1816-01	.8029	5.772	630.0
489	.30000	.20000	349.00	.2186	.4116	.4116	.9500	.1168-01	.2199-01	.8839	6.076	634.0
489	.30000	.40000	350.00	.1968	.3361	.3361	.9500	.1051-01	.1795-01	.9002	6.218	624.0
489	.30000	.50000	351.00	.1905	.3173	.3173	.9500	.1018-01	.1695-01	.9041	6.097	620.9
489	.30000	.90000	352.00	.8861-01	.1225	.1225	.9500	.4734-02	.6544-02	.6074	4.427	581.4
489	.40000	.10000+00	353.00	.1967	.3307	.3307	.9500	.1051-01	.1767-01	.9197	6.463	622.1
489	.40000	.20000	354.00	.2039	.3621	.3621	.9500	.1089-01	.1934-01	.8851	6.004	628.4
489	.40000	.50000	356.00	.1696	.2673	.2673	.9500	.9064-02	.1428-01	.8803	6.155	612.5
489	.40000	.90000	358.00	.8481-01	.1163	.1163	.9500	.4531-02	.6214-02	.5938	4.363	578.6
489	.50000	.50000-01	359.00	.1527	.2504	.2504	.9500	.8158-02	.1338-01	.7417	5.587	618.8
489	.50000	.70000	360.00	.4661-01	.6177-01	.6177-01	.9500	.2490-02	.3300-02	.3600	2.834	565.1
489	.50000	.90000	361.00	.8196-01	.1130	.1130	.9500	.4379-02	.6038-02	.5654	3.927	580.5
489	.60000	.50000-01	362.00	.1475	.2426	.2426	.9500	.7882-02	.1296-01	.7140	5.284	619.1

IH102 60-OTS VERTICAL TAIL (R4WT30)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
489	.60000	.10000+00	363.00	.1503	.2340	.2340	.9500	.8029-02	.1250-01	.7964	5.819	610.5
489	.60000	.20000	364.00	.1442	.2088	.2088	.9500	.7706-02	.1115-01	.8844	6.339	594.9
489	.60000	.40000	365.00	.1681	.2467	.2467	.9500	.8980-02	.1318-01	.9998	6.817	598.3
489	.60000	.50000	366.00	.1345	.1992	.1992	.9500	.7187-02	.1064-01	.7857	5.403	600.4
489	.60000	.70000	367.00	.4936-01	.6603-01	.6603-01	.9500	.2637-02	.3528-02	.3706	2.912	569.1
489	.60000	.90000	368.00	.7248-01	.1006	.1006	.9500	.3872-02	.5375-02	.4915	3.580	582.8
489	.70000	.50000-01	369.00	.1362	.2269	.2269	.9500	.7274-02	.1212-01	.6452	5.031	621.0
489	.70000	.70000	370.00	.4496-01	.5984-01	.5984-01	.9500	.2402-02	.3197-02	.3428	2.745	567.0
489	.70000	.90000	371.00	.6113-01	.8354-01	.8354-01	.9500	.3266-02	.4463-02	.4320	3.264	577.4
489	.80000	.10000+00	373.00	.1394	.2239	.2239	.9500	.7448-02	.1196-01	.7003	5.139	615.7
489	.80000	.40000	374.00	.1008	.1430	.1430	.9500	.5386-02	.7639-02	.6479	4.552	589.4
489	.80000	.50000	375.00	.9904-01	.1387	.1387	.9500	.5291-02	.7411-02	.6565	4.408	585.6
489	.80000	.70000	376.00	.7158-01	.9743-01	.9743-01	.9500	.3824-02	.5205-02	.5115	4.005	575.9
489	.80000	.90000	377.00	.7749-01	.1087	.1087	.9500	.4140-02	.5805-02	.5123	3.854	585.9
489	.90000	.10000+00	378.00	.1584	.2645	.2645	.9500	.8462-02	.1413-01	.7486	5.178	621.2
489	.90000	.30000	379.00	.1328	.1940	.1940	.9500	.7097-02	.1037-01	.7985	5.680	597.1
489	.90000	.50000	380.00	.7347-01	.9842-01	.9842-01	.9500	.3925-02	.5258-02	.5493	3.775	569.7
489	.90000	.70000	381.00	.7685-01	.1049	.1049	.9500	.4106-02	.5605-02	.5448	3.876	577.0
489	.90000	.90000	382.00	.6584-01	.9078-01	.9078-01	.9500	.3518-02	.4850-02	.4543	3.335	580.5
489	.95000	.30000	383.00	.1159	.1661	.1661	.9500	.6192-02	.8874-02	.7270	5.051	592.3
489	.95000	.50000	384.00	.9485-01	.1315	.1315	.9500	.5068-02	.7025-02	.6454	4.478	582.3
489	.95000	.90000	385.00	.7006-01	.9405-01	.9405-01	.9500	.3743-02	.5025-02	.5208	3.470	570.5

IH102 60-0TS VERTICAL TAIL (R4WT31)

VERT TAIL

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPOBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
500	1.041	3.010	-4.952	-5.935	9.708	692.7	246.3	.2603	1.651	2316.	.2853-02	.1972-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
500	.2837-01	.1786-01

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
500	.10000+00	.10000+00	340.00	.2238	.3082	.3082	.9500	.6350-02	.8745-02	.6032	5.618	566.2
500	.10000+00	.30000	341.00	.1184	.1605	.1605	.9500	.3359-02	.4553-02	.4438	3.215	560.6
500	.10000+00	.50000	342.00	.1003	.1330	.1330	.9500	.2847-02	.3774-02	.4013	3.019	551.7
500	.20000	.10000+00	343.00	.1950	.2655	.2655	.9500	.5532-02	.7533-02	.7214	5.137	562.3
500	.20000	.20000	344.00	.1122	.1509	.1509	.9500	.3184-02	.4281-02	.4304	3.154	557.5
500	.20000	.40000	345.00	.9892-01	.1313	.1313	.9500	.2807-02	.3725-02	.3942	2.794	552.2
500	.20000	.60000	346.00	.6325-01	.8201-01	.8201-01	.9500	.1795-02	.2327-02	.2717	1.956	541.2
500	.20000	.80000	347.00	.2422-01	.3082-01	.3082-01	.9500	.6871-03	.8745-03	.1111	.7907	531.0
500	.30000	.50000-01	348.00	.2020	.2796	.2796	.9500	.5732-02	.7933-02	.7152	5.301	567.9
500	.30000	.20000	349.00	.1115	.1491	.1491	.9500	.3163-02	.4229-02	.4347	3.107	555.2
500	.30000	.40000	350.00	.8010-01	.1055	.1055	.9500	.2273-02	.2994-02	.3266	2.341	549.0
500	.30000	.50000	351.00	.7859-01	.1027	.1027	.9500	.2230-02	.2914-02	.3289	2.303	545.2
500	.30000	.90000	352.00	.1775-01	.2257-01	.2257-01	.9500	.5037-03	.6402-03	.8177-01	.6115	530.3
500	.40000	.10000+00	353.00	.1717	.2295	.2295	.9500	.4873-02	.6511-02	.6704	4.870	555.1
500	.40000	.20000	354.00	.1284	.1712	.1712	.9500	.3643-02	.4856-02	.5050	3.554	554.1
500	.40000	.50000	356.00	.5112-01	.6682-01	.6682-01	.9500	.1450-02	.1896-02	.2137	1.545	545.3
500	.40000	.90000	358.00	.1853-01	.2361-01	.2361-01	.9500	.5257-03	.6700-03	.8458-01	.6362	531.8
500	.50000	.50000-01	359.00	.1813	.2528	.2528	.9500	.5144-02	.7173-02	.6296	4.857	570.3
500	.50000	.70000	360.00	.1333-01	.1697-01	.1697-01	.9500	.3783-03	.4814-03	.6118-01	.4900	530.9
500	.50000	.90000	361.00	.1585-01	.2026-01	.2026-01	.9500	.4497-03	.5748-03	.7153-01	.5086	533.6
500	.60000	.50000-01	362.00	.1855	.2608	.2608	.9500	.5263-02	.7400-02	.6313	4.780	572.7

IH102 60-OTS VERTICAL TAIL (R4WT31)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
500	.60000	.10000+00	363.00	.1822	.2495	.2495	.9500	.5171-02	.7081-02	.6639	4.963	564.3
500	.60000	.20000	364.00	.1241	.1648	.1648	.9500	.3521-02	.4675-02	.4942	3.619	552.3
500	.60000	.40000	365.00	.4496-01	.5897-01	.5897-01	.9500	.1276-02	.1673-02	.1860	1.301	546.9
500	.60000	.50000	366.00	.3496-01	.4560-01	.4560-01	.9500	.9919-03	.1294-02	.1472	1.041	544.2
500	.60000	.70000	367.00	.1675-01	.2140-01	.2140-01	.9500	.4753-03	.6072-03	.7583-01	.6067	533.1
500	.60000	.90000	368.00	.1694-01	.2173-01	.2173-01	.9500	.4805-03	.6165-03	.7546-01	.5627	535.6
500	.70000	.50000-01	369.00	.1717	.2449	.2449	.9500	.4871-02	.6948-02	.5645	4.498	576.8
500	.70000	.70000	370.00	.1730-01	.2219-01	.2219-01	.9500	.4909-03	.6297-03	.7711-01	.6274	535.6
500	.70000	.90000	371.00	.1642-01	.2113-01	.2113-01	.9500	.4660-03	.5996-03	.7241-01	.5582	537.3
500	.80000	.10000+00	373.00	.1705	.2395	.2395	.9500	.4837-02	.6795-02	.5814	4.358	572.5
500	.80000	.40000	374.00	.7995-01	.1054	.1054	.9500	.2268-02	.2991-02	.3252	2.331	549.3
500	.80000	.50000	375.00	.6084-01	.7958-01	.7958-01	.9500	.1726-02	.2258-02	.2538	1.738	545.6
500	.80000	.70000	376.00	.2850-01	.3680-01	.3680-01	.9500	.8086-03	.1044-02	.1241	.9898	539.2
500	.80000	.90000	377.00	.1884-01	.2426-01	.2426-01	.9500	.5346-03	.6883-03	.8289-01	.6389	537.6
500	.90000	.10000+00	378.00	.1763	.2545	.2545	.9500	.5002-02	.7220-02	.5638	3.980	579.9
500	.90000	.30000	379.00	.1283	.1725	.1725	.9500	.3641-02	.4895-02	.4920	3.569	557.5
500	.90000	.50000	380.00	.2254-01	.2866-01	.2866-01	.9500	.6396-03	.8132-03	.1038	.7275	530.4
500	.90000	.70000	381.00	.5341-01	.6953-01	.6953-01	.9500	.1516-02	.1973-02	.2264	1.639	543.3
500	.90000	.90000	382.00	.5247-01	.6880-01	.6880-01	.9500	.1489-02	.1952-02	.2172	1.622	546.7
500	.95000	.30000	383.00	.1142	.1542	.1542	.9500	.3240-02	.4376-02	.4326	3.056	559.2
500	.95000	.50000	384.00	.6523-01	.8655-01	.8655-01	.9500	.1851-02	.2456-02	.2603	1.834	552.0
500	.95000	.90000	385.00	.4010-01	.5249-01	.5249-01	.9500	.1138-02	.1489-02	.1669	1.126	545.9

VERT TAIL

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
482	3.539	3.010	-5.006	-5.979	34.11	708.7	252.0	.9147	5.801	2342.	.9796-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
482	.5340-01	.9671-02

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
482	.10000+00	.10000+00	340.00	.1538	.2575	.2575	.9500	.8211-02	.1375-01	.7222	4.917	620.7
482	.10000+00	.30000	341.00	.1495	.2553	.2553	.9500	.7981-02	.1363-01	.6822	4.792	623.2
482	.10000+00	.50000	342.00	.1172	.1810	.1810	.9500	.6257-02	.9665-02	.6288	4.600	608.2
482	.20000	.10000+00	343.00	.1780	.2802	.2802	.9500	.9504-02	.1496-01	.9231	6.415	611.5
482	.20000	.20000	344.00	.1597	.2668	.2668	.9500	.8527-02	.1424-01	.7527	5.347	620.4
482	.20000	.40000	345.00	.1685	.2767	.2767	.9500	.8998-02	.1477-01	.8155	5.595	618.0
482	.20000	.60000	346.00	.1108	.1600	.1600	.9500	.5917-02	.8546-02	.6814	4.777	593.5
482	.20000	.80000	347.00	.5348-01	.7066-01	.7066-01	.9500	.2855-02	.3773-02	.4160	2.914	563.0
482	.30000	.50000-01	348.00	.1655	.2735	.2735	.9500	.8836-02	.1460-01	.7928	5.730	618.9
482	.30000	.20000	349.00	.1777	.3092	.3092	.9500	.9489-02	.1651-01	.7907	5.458	625.3
482	.30000	.40000	350.00	.1807	.2968	.2968	.9500	.9649-02	.1585-01	.8740	6.055	618.1
482	.30000	.50000	351.00	.1733	.2731	.2731	.9500	.9253-02	.1458-01	.8971	6.077	611.7
482	.30000	.90000	352.00	.6960-01	.9363-01	.9363-01	.9500	.3717-02	.4999-02	.5132	3.761	570.6
482	.40000	.10000+00	353.00	.1863	.3271	.3271	.9500	.9949-02	.1746-01	.8191	5.744	626.3
482	.40000	.20000	354.00	.2032	.3830	.3830	.9500	.1085-01	.2045-01	.8187	5.540	633.2
482	.40000	.50000	356.00	.1511	.2351	.2351	.9500	.8070-02	.1255-01	.8006	5.605	609.5
482	.40000	.90000	358.00	.6570-01	.8893-01	.8893-01	.9500	.3508-02	.4749-02	.4759	3.506	573.0
482	.50000	.50000-01	359.00	.1707	.3304	.3304	.9500	.9118-02	.1764-01	.6687	4.996	635.3
482	.50000	.70000	360.00	.3915-01	.5140-01	.5140-01	.9500	.2091-02	.2745-02	.3109	2.454	560.0
482	.50000	.90000	361.00	.6254-01	.8453-01	.8453-01	.9500	.3340-02	.4514-02	.4549	3.172	572.5
482	.60000	.50000-01	362.00	.1821	.3380	.3380	.9500	.9724-02	.1805-01	.7471	5.495	631.8

IH102 60-OTS VERTICAL TAIL (R4WT31)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
482	.60000	.10000+00	363.00	.2015	.3727	.3727	.9500	.1076-01	.1990-01	.8298	6.001	631.5
482	.60000	.20000	364.00	.1701	.3025	.3025	.9500	.9085-02	.1615-01	.7358	5.191	627.7
482	.60000	.40000	365.00	.1546	.2462	.2462	.9500	.8256-02	.1315-01	.7863	5.322	613.4
482	.60000	.50000	366.00	.1162	.1738	.1738	.9500	.6203-02	.9282-02	.6627	4.554	601.8
482	.60000	.70000	367.00	.4088-01	.5391-01	.5391-01	.9500	.2183-02	.2879-02	.3200	2.523	562.1
482	.60000	.90000	368.00	.5543-01	.7520-01	.7520-01	.9500	.2960-02	.4016-02	.3989	2.918	573.9
482	.70000	.50000-01	369.00	.1333	.2344	.2344	.9500	.7117-02	.1252-01	.5845	4.543	626.5
482	.70000	.70000	370.00	.4630-01	.6132-01	.6132-01	.9500	.2472-02	.3274-02	.3576	2.868	564.0
482	.70000	.90000	371.00	.5064-01	.6844-01	.6844-01	.9500	.2704-02	.3655-02	.3684	2.790	572.4
482	.80000	.10000+00	373.00	.1547	.2643	.2643	.9500	.8260-02	.1411-01	.7058	5.160	623.2
482	.80000	.40000	374.00	.1408	.2303	.2303	.9500	.7517-02	.1230-01	.6851	4.747	617.5
482	.80000	.50000	375.00	.1285	.1959	.1959	.9500	.6859-02	.1046-01	.7061	4.694	605.7
482	.80000	.70000	376.00	.6813-01	.9286-01	.9286-01	.9500	.3638-02	.4959-02	.4840	3.790	575.6
482	.80000	.90000	377.00	.5632-01	.7667-01	.7667-01	.9500	.3007-02	.4094-02	.4014	3.036	575.2
482	.90000	.10000+00	378.00	.1745	.3156	.3156	.9500	.9318-02	.1685-01	.7384	5.087	629.4
482	.90000	.30000	379.00	.1827	.3173	.3173	.9500	.9756-02	.1694-01	.8151	5.719	625.1
482	.90000	.50000	380.00	.5382-01	.7086-01	.7086-01	.9500	.2874-02	.3784-02	.4234	2.922	561.3
482	.90000	.70000	381.00	.8969-01	.1247	.1247	.9500	.4789-02	.6660-02	.6042	4.287	582.5
482	.90000	.90000	382.00	.6650-01	.9305-01	.9305-01	.9500	.3551-02	.4969-02	.4409	3.230	584.5
482	.95000	.30000	383.00	.1665	.2712	.2712	.9500	.8891-02	.1448-01	.8159	5.601	616.9
482	.95000	.50000	384.00	.1085	.1642	.1642	.9500	.5792-02	.8767-02	.6048	4.151	604.2
482	.95000	.90000	385.00	.6183-01	.8374-01	.8374-01	.9500	.3302-02	.4472-02	.4472	2.975	573.2

VERT TAIL

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPOBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
497	1.030	3.010	-4.938	-.1722-02	9.684	696.7	247.7	.2597	1.647	2323.	.2829-02	.1983-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
497	.2837-01	.1795-01

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
497	.10000+00	.10000+00	340.00	.1489	.2023	.2023	.9500	.4224-02	.5740-02	.5573	3.901	564.7
497	.10000+00	.30000	341.00	.1357	.1846	.1846	.9500	.3851-02	.5235-02	.5072	3.666	565.0
497	.10000+00	.50000	342.00	.8139-01	.1072	.1072	.9500	.2309-02	.3040-02	.3343	2.515	551.9
497	.20000	.10000+00	343.00	.1475	.1984	.1984	.9500	.4183-02	.5627-02	.5681	4.048	560.9
497	.20000	.20000	344.00	.1674	.2288	.2288	.9500	.4749-02	.6491-02	.6166	4.497	566.8
497	.20000	.40000	345.00	.1217	.1615	.1615	.9500	.3451-02	.4582-02	.4874	3.449	555.5
497	.20000	.60000	346.00	.6488-01	.8388-01	.8388-01	.9500	.1841-02	.2379-02	.2831	2.035	542.9
497	.20000	.80000	347.00	.8065-02	.1025-01	.1025-01	.9500	.2288-03	.2907-03	.3742-01	.2661	533.1
497	.30000	.50000-01	348.00	.1464	.1994	.1994	.9500	.4153-02	.5656-02	.5444	4.039	565.6
497	.30000	.20000	349.00	.1587	.2152	.2152	.9500	.4502-02	.6104-02	.5974	4.250	564.0
497	.30000	.40000	350.00	.1308	.1730	.1730	.9500	.3712-02	.4908-02	.5304	3.793	553.8
497	.30000	.50000	351.00	.9837-01	.1285	.1285	.9500	.2790-02	.3645-02	.4148	2.900	548.0
497	.30000	.90000	352.00	.6639-02	.8439-02	.8439-02	.9500	.1883-03	.2394-03	.3075-01	.2296	533.4
497	.40000	.10000+00	353.00	.1296	.1724	.1724	.9500	.3676-02	.4890-02	.5155	3.742	556.4
497	.40000	.20000	354.00	.1212	.1622	.1622	.9500	.3440-02	.4601-02	.4746	3.332	558.7
497	.40000	.50000	356.00	.1068	.1412	.1412	.9500	.3029-02	.4004-02	.4329	3.116	553.7
497	.40000	.90000	358.00	.1955-01	.2495-01	.2495-01	.9500	.5545-03	.7079-03	.8913-01	.6691	535.9
497	.50000	.50000-01	359.00	.1407	.1948	.1948	.9500	.3992-02	.5527-02	.5006	3.860	571.3
497	.50000	.70000	360.00	.2313-01	.2947-01	.2947-01	.9500	.6562-03	.8360-03	.1063	.8498	534.7
497	.50000	.90000	361.00	.2404-01	.3081-01	.3081-01	.9500	.6821-03	.8741-03	.1081	.7671	538.1
497	.60000	.50000-01	362.00	.1413	.1974	.1974	.9500	.4010-02	.5599-02	.4921	3.724	573.9

IH102 60-OTS VERTICAL TAIL. (R4WT32)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
497	.60000	.10000+00	363.00	.1241	.1689	.1689	.9500	.3521-02	.4790-02	.4628	3.458	565.2
497	.60000	.20000	364.00	.8129-01	.1074	.1074	.9500	.2306-02	.3047-02	.3303	2.417	553.4
497	.60000	.40000	365.00	.8460-01	.1122	.1122	.9500	.2400-02	.3182-02	.3400	2.369	555.0
497	.60000	.50000	366.00	.7599-01	.1003	.1003	.9500	.2156-02	.2846-02	.3094	2.178	553.1
497	.60000	.70000	367.00	.2926-01	.3739-01	.3739-01	.9500	.8300-03	.1061-02	.1329	1.061	536.6
497	.60000	.90000	368.00	.3090-01	.3972-01	.3972-01	.9500	.8765-03	.1127-02	.1374	1.022	539.9
497	.70000	.50000-01	369.00	.1345	.1912	.1912	.9500	.3815-02	.5425-02	.4478	3.564	579.3
497	.70000	.70000	370.00	.1953-01	.2501-01	.2501-01	.9500	.5539-03	.7094-03	.8805-01	.7156	537.7
497	.70000	.90000	371.00	.2015-01	.2591-01	.2591-01	.9500	.5716-03	.7351-03	.8954-01	.6893	540.0
497	.80000	.10000+00	373.00	.1294	.1823	.1823	.9500	.3670-02	.5172-02	.4400	3.291	576.8
497	.80000	.40000	374.00	.2498-01	.3312-01	.3312-01	.9500	.7086-03	.9395-03	.1004	.7178	554.9
497	.80000	.50000	375.00	.2618-01	.3436-01	.3436-01	.9500	.7426-03	.9746-03	.1087	.7425	550.3
497	.80000	.70000	376.00	.1940-01	.2502-01	.2502-01	.9500	.5504-03	.7098-03	.8536-01	.6800	541.6
497	.80000	.90000	377.00	.1146-01	.1476-01	.1476-01	.9500	.3252-03	.4187-03	.5072-01	.3903	540.7
497	.90000	.10000+00	378.00	.1470	.2131	.2131	.9500	.4169-02	.6045-02	.4678	3.295	584.4
497	.90000	.30000	379.00	.7250-01	.9828-01	.9828-01	.9500	.2057-02	.2788-02	.2731	1.975	563.9
497	.90000	.50000	380.00	.3211-01	.4076-01	.4076-01	.9500	.9108-03	.1156-02	.1494	1.046	532.6
497	.90000	.70000	381.00	.2058-01	.2687-01	.2687-01	.9500	.5838-03	.7623-03	.8682-01	.6267	548.0
497	.90000	.90000	382.00	.1337-01	.1740-01	.1740-01	.9500	.3793-03	.4935-03	.5707-01	.4262	546.2
497	.95000	.30000	383.00	.7740-01	.1056	.1056	.9500	.2196-02	.2996-02	.2863	2.015	566.3
497	.95000	.50000	384.00	.2300-01	.3074-01	.3074-01	.9500	.6524-03	.8719-03	.9028-01	.6339	558.3
497	.95000	.90000	385.00	.8221-02	.1075-01	.1075-01	.9500	.2332-03	.3050-03	.3451-01	.2324	548.7

IH102 60-OTS VERTICAL TAIL (R4WT32)

VERT TAIL

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
471	3.510	3.010	-4.930	.0000	33.90	709.7	252.4	.9090	5.765	2344.	.9722-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
471	.5325-01	.9710-02

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
471	.10000+00	.10000+00	340.00	.1489	.2325	.2325	.9500	.7931-02	.1238-01	.7831	5.357	610.9
471	.10000+00	.30000	341.00	.1369	.2237	.2237	.9500	.7291-02	.1191-01	.6668	4.694	618.2
471	.10000+00	.50000	342.00	.1054	.1578	.1578	.9500	.5610-02	.8404-02	.5987	4.390	602.9
471	.20000	.10000+00	343.00	.1856	.2957	.2957	.9500	.9884-02	.1575-01	.9420	6.537	614.4
471	.20000	.20000	344.00	.1621	.2710	.2710	.9500	.8629-02	.1443-01	.7617	5.407	621.4
471	.20000	.40000	345.00	.1466	.2303	.2303	.9500	.7808-02	.1226-01	.7628	5.249	612.0
471	.20000	.60000	346.00	.8642-01	.1211	.1211	.9500	.4601-02	.6448-02	.5701	4.013	585.8
471	.20000	.80000	347.00	.3803-01	.4958-01	.4958-01	.9500	.2025-02	.2640-02	.3082	2.165	557.5
471	.30000	.50000-01	348.00	.1576	.2469	.2469	.9500	.8392-02	.1315-01	.8232	5.971	611.6
471	.30000	.20000	349.00	.1528	.2442	.2442	.9500	.8139-02	.1300-01	.7721	5.357	614.8
471	.30000	.40000	350.00	.1482	.2364	.2364	.9500	.7894-02	.1259-01	.7510	5.212	614.5
471	.30000	.50000	351.00	.1409	.2151	.2151	.9500	.7505-02	.1145-01	.7725	5.246	606.7
471	.30000	.90000	352.00	.4538-01	.5969-01	.5969-01	.9500	.2416-02	.3178-02	.3576	2.632	561.7
471	.40000	.10000+00	353.00	.1381	.2011	.2011	.9500	.7351-02	.1071-01	.8321	5.921	596.5
471	.40000	.20000	354.00	.1387	.2054	.2054	.9500	.7386-02	.1094-01	.8075	5.553	600.3
471	.40000	.50000	356.00	.1407	.2206	.2206	.9500	.7492-02	.1174-01	.7343	5.136	611.7
471	.40000	.90000	358.00	.4659-01	.6174-01	.6174-01	.9500	.2481-02	.3288-02	.3588	2.654	565.1
471	.50000	.50000-01	359.00	.1201	.1909	.1909	.9500	.6395-02	.1017-01	.6115	4.617	614.0
471	.50000	.70000	360.00	.3507-01	.4602-01	.4602-01	.9500	.1867-02	.2450-02	.2785	2.198	560.5
471	.50000	.90000	361.00	.5449-01	.7302-01	.7302-01	.9500	.2901-02	.3888-02	.4057	2.832	569.9
471	.60000	.50000-01	362.00	.1235	.1970	.1970	.9500	.6578-02	.1049-01	.6263	4.646	614.5

IH102 60-OTS VERTICAL TAIL (R4WT32)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
471	.60000	.10000+00	363.00	.1261	.1905	.1905	.9500	.6715-02	.1014-01	.7049	5.165	604.7
471	.60000	.20000	364.00	.1213	.1709	.1709	.9500	.6457-02	.9102-02	.7883	5.671	587.6
471	.60000	.40000	365.00	.1097	.1602	.1602	.9500	.5842-02	.8531-02	.6576	4.487	597.1
471	.60000	.50000	366.00	.9398-01	.1380	.1380	.9500	.5004-02	.7346-02	.5570	3.834	598.4
471	.60000	.70000	367.00	.3764-01	.4955-01	.4955-01	.9500	.2004-02	.2638-02	.2958	2.333	562.1
471	.60000	.90000	368.00	.5297-01	.7115-01	.7115-01	.9500	.2820-02	.3789-02	.3916	2.869	570.8
471	.70000	.50000-01	369.00	.9656-01	.1553	.1553	.9500	.5142-02	.8268-02	.4825	3.772	615.8
471	.70000	.70000	370.00	.4651-01	.6182-01	.6182-01	.9500	.2476-02	.3292-02	.3547	2.842	566.4
471	.70000	.90000	371.00	.6329-01	.8575-01	.8575-01	.9500	.3370-02	.4566-02	.4566	3.455	574.2
471	.80000	.10000+00	373.00	.1069	.1638	.1638	.9500	.5692-02	.8722-02	.5812	4.282	607.6
471	.80000	.40000	374.00	.8757-01	.1196	.1196	.9500	.4663-02	.6367-02	.6180	4.368	577.1
471	.80000	.50000	375.00	.7916-01	.1075	.1075	.9500	.4215-02	.5722-02	.5679	3.833	574.9
471	.80000	.70000	376.00	.5554-01	.7346-01	.7346-01	.9500	.2958-02	.3911-02	.4304	3.390	564.2
471	.80000	.90000	377.00	.5846-01	.7773-01	.7773-01	.9500	.3113-02	.4139-02	.4455	3.384	566.6
471	.90000	.10000+00	378.00	.1124	.1790	.1790	.9500	.5987-02	.9532-02	.5713	3.965	614.2
471	.90000	.30000	379.00	.9041-01	.1250	.1250	.9500	.4814-02	.6655-02	.6176	4.427	581.4
471	.90000	.50000	380.00	.4502-01	.5895-01	.5895-01	.9500	.2397-02	.3139-02	.3600	2.487	559.5
471	.90000	.70000	381.00	.3401-01	.4388-01	.4388-01	.9500	.1811-02	.2336-02	.2857	2.059	551.9
471	.90000	.90000	382.00	.4098-01	.5372-01	.5372-01	.9500	.2182-02	.2860-02	.3264	2.421	560.1
471	.95000	.30000	383.00	.8436-01	.1168	.1168	.9500	.4492-02	.6218-02	.5741	4.010	581.9
471	.95000	.50000	384.00	.4733-01	.6256-01	.6256-01	.9500	.2520-02	.3331-02	.3673	2.572	563.9
471	.95000	.90000	385.00	.3611-01	.4673-01	.4673-01	.9500	.1923-02	.2488-02	.3003	2.017	553.5

IH102 60-OTS VERTICAL TAIL (R4WT33)

VERT TAIL

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .000) SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
488	3.526	3.010	-.2713-01	-10.97	34.05	709.7	252.4	.9132	5.792	2344.	.9766-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
488	.5337-01	.9687-02

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
488	.10000+00	.10000+00	340.00	.1383	.2282	.2282	.9500	.7380-02	.1218-01	.6648	4.529	619.6
488	.10000+00	.30000	341.00	.1480	.2452	.2452	.9500	.7898-02	.1308-01	.7070	4.973	620.2
488	.10000+00	.50000	342.00	.1127	.1686	.1686	.9500	.6014-02	.8997-02	.6437	4.721	602.6
488	.20000	.10000+00	343.00	.2112	.3379	.3379	.9500	.1127-01	.1803-01	1.067	7.400	615.0
488	.20000	.20000	344.00	.1978	.3562	.3562	.9500	.1056-01	.1901-01	.8426	5.957	629.9
488	.20000	.40000	345.00	.1689	.2679	.2679	.9500	.9013-02	.1430-01	.8653	5.950	613.7
488	.20000	.60000	346.00	.1025	.1440	.1440	.9500	.5468-02	.7683-02	.6731	4.735	586.6
488	.20000	.80000	347.00	.3718-01	.4809-01	.4809-01	.9500	.1984-02	.2567-02	.3103	2.184	553.3
488	.30000	.50000-01	348.00	.1879	.3188	.3188	.9500	.1003-01	.1702-01	.8659	6.245	623.3
488	.30000	.20000	349.00	.2033	.3562	.3562	.9500	.1085-01	.1901-01	.8970	6.187	627.0
488	.30000	.40000	350.00	.1779	.2896	.2896	.9500	.9494-02	.1545-01	.8735	6.052	617.7
488	.30000	.50000	351.00	.1718	.2743	.2743	.9500	.9168-02	.1464-01	.8704	5.887	614.7
488	.30000	.90000	352.00	.6503-01	.8776-01	.8776-01	.9500	.3470-02	.4684-02	.4753	3.479	572.7
488	.40000	.10000+00	353.00	.1785	.2856	.2856	.9500	.9528-02	.1524-01	.9019	6.359	615.0
488	.40000	.20000	354.00	.1908	.3205	.3205	.9500	.1019-01	.1710-01	.8933	6.079	622.0
488	.40000	.50000	356.00	.1562	.2399	.2399	.9500	.8335-02	.1281-01	.8471	5.935	608.0
488	.40000	.90000	358.00	.6764-01	.9163-01	.9163-01	.9500	.3610-02	.4890-02	.4893	3.603	574.1
488	.50000	.50000-01	359.00	.1500	.2407	.2407	.9500	.8004-02	.1285-01	.7532	5.683	615.6
488	.50000	.70000	360.00	.4060-01	.5354-01	.5354-01	.9500	.2167-02	.2857-02	.3182	2.508	562.8
488	.50000	.90000	361.00	.7037-01	.9583-01	.9583-01	.9500	.3755-02	.5114-02	.5015	3.490	576.1
488	.60000	.50000-01	362.00	.1380	.2169	.2169	.9500	.7364-02	.1157-01	.7184	5.335	612.1

IH102 60-OTS VERTICAL TAIL (R4WT33)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
488	.60000	.10000+00	363.00	.1403	.2111	.2111	.9500	.7488-02	.1127-01	.7919	5.805	603.9
488	.60000	.20000	364.00	.1275	.1810	.1810	.9500	.6804-02	.9658-02	.8170	5.872	589.6
488	.60000	.40000	365.00	.1237	.1751	.1751	.9500	.6600-02	.9346-02	.7971	5.460	588.9
488	.60000	.50000	366.00	.1087	.1560	.1560	.9500	.5801-02	.8328-02	.6783	4.682	592.7
488	.60000	.70000	367.00	.4115-01	.5445-01	.5445-01	.9500	.2196-02	.2906-02	.3190	2.512	564.4
488	.60000	.90000	368.00	.6630-01	.9084-01	.9084-01	.9500	.3538-02	.4848-02	.4646	3.392	578.3
488	.70000	.50000-01	369.00	.1224	.1927	.1927	.9500	.6535-02	.1028-01	.6361	4.981	612.3
488	.70000	.70000	370.00	.5331-01	.7118-01	.7118-01	.9500	.2845-02	.3799-02	.4021	3.218	568.3
488	.70000	.90000	371.00	.6571-01	.9011-01	.9011-01	.9500	.3507-02	.4809-02	.4596	3.470	578.6
488	.80000	.10000+00	373.00	.1321	.2022	.2022	.9500	.7053-02	.1079-01	.7225	5.323	607.2
488	.80000	.40000	374.00	.1129	.1590	.1590	.9500	.6026-02	.8486-02	.7374	5.186	587.3
488	.80000	.50000	375.00	.1210	.1712	.1712	.9500	.6456-02	.9137-02	.7808	5.234	588.7
488	.80000	.70000	376.00	.7483-01	.1019	.1019	.9500	.3994-02	.5439-02	.5331	4.174	576.2
488	.80000	.90000	377.00	.7961-01	.1112	.1112	.9500	.4249-02	.5936-02	.5306	3.994	584.8
488	.90000	.10000+00	378.00	.1500	.2356	.2356	.9500	.8005-02	.1257-01	.7817	5.431	612.0
488	.90000	.30000	379.00	.1229	.1747	.1747	.9500	.6557-02	.9325-02	.7839	5.596	590.1
488	.90000	.50000	380.00	.6389-01	.8528-01	.8528-01	.9500	.3410-02	.4551-02	.4825	3.319	568.2
488	.90000	.70000	381.00	.7237-01	.9816-01	.9816-01	.9500	.3862-02	.5239-02	.5216	3.715	574.6
488	.90000	.90000	382.00	.6657-01	.9213-01	.9213-01	.9500	.3553-02	.4917-02	.4544	3.334	581.8
488	.95000	.30000	383.00	.1033	.1444	.1444	.9500	.5515-02	.7705-02	.6886	4.802	584.8
488	.95000	.50000	384.00	.7364-01	.1003	.1003	.9500	.3930-02	.5354-02	.5244	3.649	576.3
488	.95000	.90000	385.00	.6063-01	.8043-01	.8043-01	.9500	.3236-02	.4293-02	.4663	3.114	565.6

VERT TAIL

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
492	3.510	3.010	-.6249-02	-5.946	33.90	709.7	252.4	.9090	5.765	2344.	.9722-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
492	.5325-01	.9710-02

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
492	.10000+00	.10000+00	340.00	.2115	.3193	.3193	.9500	.1126-01	.1700-01	1.183	8.121	604.6
492	.10000+00	.30000	341.00	.1478	.2221	.2221	.9500	.7871-02	.1183-01	.8348	5.920	603.6
492	.10000+00	.50000	342.00	.1181	.1690	.1690	.9500	.6288-02	.9000-02	.7405	5.460	591.9
492	.20000	.10000+00	343.00	.1406	.2132	.2132	.9500	.7485-02	.1135-01	.7800	5.437	605.5
492	.20000	.20000	344.00	.1275	.1938	.1938	.9500	.6788-02	.1032-01	.7038	5.034	606.0
492	.20000	.40000	345.00	.1542	.2308	.2308	.9500	.8213-02	.1229-01	.8788	6.075	602.7
492	.20000	.60000	346.00	.1051	.1433	.1433	.9500	.5597-02	.7632-02	.7448	5.266	576.6
492	.20000	.80000	347.00	.4184-01	.5306-01	.5306-01	.9500	.2228-02	.2825-02	.3737	2.646	541.9
492	.30000	.50000-01	348.00	.1308	.2059	.2059	.9500	.6967-02	.1096-01	.6780	4.916	612.3
492	.30000	.20000	349.00	.1129	.1673	.1673	.9500	.6013-02	.8906-02	.6568	4.589	600.4
492	.30000	.40000	350.00	.1559	.2341	.2341	.9500	.8303-02	.1247-01	.8822	6.156	603.4
492	.30000	.50000	351.00	.1548	.2262	.2262	.9500	.8242-02	.1205-01	.9261	6.318	597.3
492	.30000	.90000	352.00	.6250-01	.8091-01	.8091-01	.9500	.3328-02	.4308-02	.5188	3.834	553.8
492	.40000	.10000+00	353.00	.1394	.2039	.2039	.9500	.7420-02	.1086-01	.8314	5.913	597.6
492	.40000	.20000	354.00	.1574	.2415	.2415	.9500	.8381-02	.1286-01	.8543	5.854	607.7
492	.40000	.50000	356.00	.1535	.2251	.2251	.9500	.8171-02	.1198-01	.9114	6.417	598.1
492	.40000	.90000	358.00	.6394-01	.8351-01	.8351-01	.9500	.3404-02	.4447-02	.5154	3.825	558.3
492	.50000	.50000-01	359.00	.1348	.2196	.2196	.9500	.7180-02	.1169-01	.6601	4.974	617.7
492	.50000	.70000	360.00	.3719-01	.4746-01	.4746-01	.9500	.1980-02	.2527-02	.3247	2.581	545.7
492	.50000	.90000	361.00	.6077-01	.7941-01	.7941-01	.9500	.3236-02	.4228-02	.4893	3.435	558.5
492	.60000	.50000-01	362.00	.1549	.2478	.2478	.9500	.8250-02	.1319-01	.7813	5.795	615.0

IH102 60-0TS VERTICAL TAIL (R4WT36)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
492	.60000	.10000+00	363.00	.1926	.3010	.3010	.9500	.1025-01	.1603-01	1.010	7.374	611.2
492	.60000	.20000	364.00	.2385	.3678	.3678	.9500	.1270-01	.1958-01	1.28.	9.123	608.7
492	.60000	.40000	365.00	.1583	.2319	.2319	.9500	.8428-02	.1235-01	.9418	6.423	597.9
492	.60000	.50000	366.00	.1063	.1503	.1503	.9500	.5662-02	.8006-02	.6865	4.748	588.4
492	.60000	.70000	367.00	.3679-01	.4722-01	.4722-01	.9500	.1959-02	.2514-02	.3146	2.497	549.1
492	.60000	.90000	368.00	.5149-01	.6763-01	.6763-01	.9500	.2741-02	.3601-02	.4075	3.001	561.0
492	.70000	.50000-01	369.00	.1209	.1943	.1943	.9500	.6438-02	.1035-01	.6048	4.728	615.7
492	.70000	.70000	370.00	.4242-01	.5499-01	.5499-01	.9500	.2259-02	.2928-02	.3509	2.828	554.4
492	.70000	.90000	371.00	.5404-01	.7117-01	.7117-01	.9500	.2877-02	.3790-02	.4243	3.230	562.2
492	.80000	.10000+00	373.00	.1643	.2528	.2528	.9500	.8751-02	.1346-01	.8875	6.536	608.3
492	.80000	.40000	374.00	.1862	.2744	.2744	.9500	.9914-02	.1461-01	1.094	7.652	599.3
492	.80000	.50000	375.00	.1479	.2090	.2090	.9500	.7878-02	.1113-01	.9564	6.412	588.3
492	.80000	.70000	376.00	.7208-01	.9452-01	.9452-01	.9500	.3838-02	.5033-02	.5736	4.527	560.2
492	.80000	.90000	377.00	.6916-01	.9184-01	.9184-01	.9500	.3682-02	.4890-02	.5290	4.019	566.0
492	.90000	.10000+00	378.00	.1068	.1743	.1743	.9500	.5686-02	.9279-02	.5210	3.609	618.0
492	.90000	.30000	379.00	.1915	.2899	.2899	.9500	.1019-01	.1544-01	1.065	7.550	605.2
492	.90000	.50000	380.00	.5417-01	.6929-01	.6929-01	.9500	.2884-02	.3689-02	.4689	3.260	547.1
492	.90000	.70000	381.00	.9159-01	.1242	.1242	.9500	.4877-02	.6613-02	.6593	4.697	574.5
492	.90000	.90000	382.00	.7303-01	.9832-01	.9832-01	.9500	.3889-02	.5235-02	.5364	3.955	571.7
492	.95000	.30000	383.00	.1583	.2349	.2349	.9500	.8431-02	.1251-01	.9179	6.351	600.8
492	.95000	.50000	384.00	.1278	.1854	.1854	.9500	.6807-02	.9870-02	.7785	5.367	595.3
492	.95000	.90000	385.00	.6282-01	.8319-01	.8319-01	.9500	.3345-02	.4429-02	.4849	3.240	564.7

IH102 60-OTS VERTICAL TAIL (R4WT38)

VERT TAIL

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDIT ONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
493	3.509	3.010	-.5104-02	-2.922	33.88	709.7	252.4	.9087	5.763	2344.	.9718-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
493	.5324-01	.9711-02

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
493	.10000+00	.10000+00	340.00	.1983	.2889	.2889	.9500	.1056-01	.1538-01	1.195	8.231	596.5
493	.10000+00	.30000	341.00	.1776	.2609	.2609	.9500	.9455-02	.1389-01	1.051	7.467	598.6
493	.10000+00	.50000	342.00	.1103	.1555	.1555	.9500	.5872-02	.8280-02	.7161	5.292	587.7
493	.20000	.10000+00	343.00	.2009	.3152	.3152	.9500	.1069-01	.1678-01	1.046	7.266	611.9
493	.20000	.20000	344.00	.2315	.3474	.3474	.9500	.1232-01	.1850-01	1.311	9.388	603.3
493	.20000	.40000	345.00	.1637	.2346	.2346	.9500	.8714-02	.1249-01	1.023	7.107	592.3
493	.20000	.60000	346.00	.9036-01	.1223	.1223	.9500	.4810-02	.6513-02	.6531	4.624	573.9
493	.20000	.80000	347.00	.2350-01	.3051-01	.3051-01	.9500	.1251-02	.1624-02	.1931	1.358	555.3
493	.30000	.50000-01	348.00	.1472	.2390	.2390	.9500	.7838-02	.1272-01	.7243	5.239	617.3
493	.30000	.20000	349.00	.2169	.3313	.3313	.9500	.1155-01	.1764-01	1.187	8.266	606.9
493	.30000	.40000	350.00	.1548	.2251	.2251	.9500	.8242-02	.1199-01	.9365	6.558	596.1
493	.30000	.50000	351.00	.1391	.1983	.1983	.9500	.7408-02	.1056-01	.8812	6.031	590.7
493	.30000	.90000	352.00	.3340-01	.4371-01	.4371-01	.9500	.1778-02	.2327-02	.2674	1.971	559.3
493	.40000	.10000+00	353.00	.1646	.2441	.2441	.9500	.8763-02	.1299-01	.9552	6.783	600.7
493	.40000	.20000	354.00	.2333	.3503	.3503	.9500	.1242-01	.1865-01	1.320	9.063	603.4
493	.40000	.50000	356.00	.1337	.1908	.1908	.9500	.7117-02	.1016-01	.8433	5.958	591.2
493	.40000	.90000	358.00	.4010-01	.5278-01	.5278-01	.9500	.2135-02	.2810-02	.3153	2.336	562.0
493	.50000	.50000-01	359.00	.1017	.1643	.1643	.9500	.5414-02	.8745-02	.5043	3.803	616.5
493	.50000	.70000	360.00	.2929-01	.3781-01	.3781-01	.9500	.1559-02	.2013-02	.2457	1.947	552.1
493	.50000	.90000	361.00	.4404-01	.5824-01	.5824-01	.9500	.2345-02	.3101-02	.3413	2.390	564.1
493	.60000	.50000-01	362.00	.9672-01	.1552	.1552	.9500	.5149-02	.8262-02	.4850	3.596	615.5

IH102 60-OTS VERTICAL TAIL (R4WT38)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
493	.60000	.10000+00	363.00	.1184	.1794	.1794	.9500	.6303-02	.9552-02	.6574	4.815	605.4
493	.60000	.20000	364.00	.1342	.1920	.1920	.9500	.7142-02	.1022-01	.8408	6.036	591.9
493	.60000	.40000	365.00	.1797	.2558	.2558	.9500	.9568-02	.1362-01	1.141	7.811	590.4
493	.60000	.50000	366.00	.1364	.1891	.1891	.9500	.7263-02	.1007-01	.9250	6.418	582.3
493	.60000	.70000	367.00	.3755-01	.4869-01	.4869-01	.9500	.1999-02	.2592-02	.3102	2.455	554.5
493	.60000	.90000	368.00	.4720-01	.6280-01	.6280-01	.9500	.2513-02	.3343-02	.3589	2.635	566.8
493	.70000	.50000-01	369.00	.6031-01	.9810-01	.9810-01	.9500	.3211-02	.5223-02	.2958	2.310	617.6
493	.70000	.70000	370.00	.4270-01	.5601-01	.5601-01	.9500	.2273-02	.2982-02	.3393	2.726	560.4
493	.70000	.90000	371.00	.6194-01	.8271-01	.8271-01	.9500	.3297-02	.4403-02	.4659	3.536	568.4
493	.80000	.10000+00	373.00	.1054	.1606	.1606	.9500	.5612-02	.8549-02	.5797	4.273	606.4
493	.80000	.40000	374.00	.1135	.1599	.1599	.9500	.6041-02	.8513-02	.7384	5.193	587.4
493	.80000	.50000	375.00	.1038	.1454	.1454	.9500	.5525-02	.7743-02	.6843	4.594	585.8
493	.80000	.70000	376.00	.6601-01	.8764-01	.8764-01	.9500	.3514-02	.4666-02	.5053	3.977	565.9
493	.80000	.90000	377.00	.6693-01	.9002-01	.9002-01	.9500	.3563-02	.4792-02	.4928	3.734	571.4
493	.90000	.10000+00	378.00	.5223-01	.8962-01	.8962-01	.9500	.2781-02	.4771-02	.2365	1.633	624.6
493	.90000	.30000	379.00	.8857-01	.1295	.1295	.9500	.4715-02	.6896-02	.5291	3.763	597.5
493	.90000	.50000	380.00	.3878-01	.5007-01	.5007-01	.9500	.2064-02	.2666-02	.3247	2.251	552.4
493	.90000	.70000	381.00	.4607-01	.6300-01	.6300-01	.9500	.2452-02	.3354-02	.3237	2.303	577.7
493	.90000	.90000	382.00	.4052-01	.5541-01	.5541-01	.9500	.2157-02	.2950-02	.2849	2.094	577.6
493	.95000	.30000	383.00	.7003-01	.1040	.1040	.9500	.3728-02	.5536-02	.4052	2.803	601.0
493	.95000	.50000	384.00	.3754-01	.5327-01	.5327-01	.9500	.1999-02	.2836-02	.2401	1.660	589.5
493	.95000	.90000	385.00	.2949-01	.3971-01	.3971-01	.9500	.1570-02	.2114-02	.2166	1.442	571.7

VERT TAIL

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
494	1.072	3.010	.3200-01	.1117-04	10.04	694.7	247.0	.2692	1.707	2319.	.2941-02	.1978-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
494	.2886-01	.1760-01

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
494	.10000+00	.10000+00	340.00	.1359	.1861	.1861	.9500	.3923-02	.5372-02	.5053	3.535	565.9
494	.10000+00	.30000	341.00	.9658-01	.1310	.1310	.9500	.2788-02	.3782-02	.3683	2.666	562.5
494	.10000+00	.50000	342.00	.6114-01	.8084-01	.8084-01	.9500	.1765-02	.2333-02	.2516	1.892	552.1
494	.20000	.10000+00	343.00	.1434	.1960	.1960	.9500	.4140-02	.5658-02	.5362	3.812	565.2
494	.20000	.20000	344.00	.1430	.1953	.1953	.9500	.4129-02	.5637-02	.5361	3.914	564.8
494	.20000	.40000	345.00	.1006	.1338	.1338	.9500	.2903-02	.3862-02	.4062	2.876	554.8
494	.20000	.60000	346.00	.5301-01	.6913-01	.6913-01	.9500	.1530-02	.1995-02	.2280	1.637	545.7
494	.20000	.80000	347.00	.1013-01	.1297-01	.1297-01	.9500	.2924-03	.3744-03	.4638-01	.3294	536.0
494	.30000	.50000-01	348.00	.1339	.1846	.1846	.9500	.3865-02	.5327-02	.4892	3.625	568.1
494	.30000	.20000	349.00	.1279	.1731	.1731	.9500	.3692-02	.4997-02	.4909	3.497	561.7
494	.30000	.40000	350.00	.9935-01	.1323	.1323	.9500	.2868-02	.3820-02	.3995	2.855	555.3
494	.30000	.50000	351.00	.7622-01	.1003	.1003	.9500	.2200-02	.2894-02	.3186	2.225	549.9
494	.30000	.90000	352.00	.9012-02	.1152-01	.1152-01	.9500	.2601-03	.3326-03	.4149-01	.3095	535.2
494	.40000	.10000+00	353.00	.1088	.1454	.1454	.9500	.3140-02	.4196-02	.4334	3.145	556.7
494	.40000	.20000	354.00	.1015	.1351	.1351	.9500	.2929-02	.3899-02	.4090	2.877	555.0
494	.40000	.50000	356.00	.9075-01	.1206	.1206	.9500	.2620-02	.3480-02	.3681	2.649	554.2
494	.40000	.90000	358.00	.1885-01	.2419-01	.2419-01	.9500	.5442-03	.6983-03	.8562-01	.6423	537.3
494	.50000	.50000-01	359.00	.1284	.1799	.1799	.9500	.3706-02	.5193-02	.4495	3.462	573.4
494	.50000	.70000	360.00	.2225-01	.2852-01	.2852-01	.9500	.6423-03	.8232-03	.1015	.8106	536.6
494	.50000	.90000	361.00	.2522-01	.3246-01	.3246-01	.9500	.7280-03	.9370-03	.1134	.8038	539.0
494	.60000	.50000-01	362.00	.1365	.1920	.1920	.9500	.3941-02	.5541-02	.4742	3.588	574.4

IH102 60-OTS VERTICAL TAIL (R4WT39)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
494	.60000	.10000+00	363.00	.1214	.1660	.1660	.9500	.3503-02	.4792-02	.4523	3.379	565.5
494	.60000	.20000	364.00	.7105-01	.9349-01	.9349-01	.9500	.2051-02	.2699-02	.2968	2.175	550.0
494	.60000	.40000	365.00	.4331-01	.5642-01	.5642-01	.9500	.1250-02	.1629-02	.1868	1.308	545.2
494	.60000	.50000	366.00	.4755-01	.6211-01	.6211-01	.9500	.1372-02	.1793-02	.2034	1.437	546.5
494	.60000	.70000	367.00	.2542-01	.3260-01	.3260-01	.9500	.7337-03	.9409-03	.1158	.9244	536.9
494	.60000	.90000	368.00	.2751-01	.3541-01	.3541-01	.9500	.7940-03	.1022-02	.1236	.9201	539.0
494	.70000	.50000-01	369.00	.1290	.1824	.1824	.9500	.3723-02	.5265-02	.4416	3.521	576.1
494	.70000	.70000	370.00	.1083-01	.1378-01	.1378-01	.9500	.3125-03	.3977-03	.5067-01	.4129	532.5
494	.70000	.90000	371.00	.9805-02	.1253-01	.1253-01	.9500	.2830-03	.3618-03	.4515-01	.3484	535.1
494	.80000	.10000+00	373.00	.1360	.1889	.1889	.9500	.3926-02	.5454-02	.4867	3.652	570.7
494	.80000	.40000	374.00	.4854-01	.6339-01	.6339-01	.9500	.1401-02	.1830-02	.2078	1.492	546.3
494	.80000	.50000	375.00	.3663-01	.4745-01	.4745-01	.9500	.1057-02	.1370-02	.1612	1.106	542.3
494	.80000	.70000	376.00	.1628-01	.2086-01	.2086-01	.9500	.4699-03	.6021-03	.7438-01	.5941	536.4
494	.80000	.90000	377.00	.1174-01	.1503-01	.1503-01	.9500	.3389-03	.4339-03	.5372-01	.4144	536.1
494	.90000	.10000+00	378.00	.1538	.2182	.2182	.9500	.4439-02	.6298-02	.5223	3.692	577.0
494	.90000	.30000	379.00	.9570-01	.1274	.1274	.9500	.2762-02	.3678-02	.3853	2.798	555.2
494	.90000	.50000	380.00	.2668-01	.3414-01	.3414-01	.9500	.7701-03	.9854-03	.1224	.8559	535.7
494	.90000	.70000	381.00	.3163-01	.4077-01	.4077-01	.9500	.9129-03	.1177-02	.1414	1.025	539.7
494	.90000	.90000	382.00	.1377-01	.1775-01	.1775-01	.9500	.3976-03	.5125-03	.6160-01	.4615	539.7
494	.95000	.30000	383.00	.9642-01	.1291	.1291	.9500	.2783-02	.3726-02	.3821	2.702	557.4
494	.95000	.50000	384.00	.5139-01	.6763-01	.6763-01	.9500	.1483-02	.1952-02	.2146	1.513	550.0
494	.95000	.90000	385.00	.2041-01	.2645-01	.2645-01	.9500	.5892-03	.7635-03	.8966-01	.6057	542.5

VERT TAIL

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
465	3.496	3.010	-.2200-01	.0000	33.76	709.7	252.4	.9053	5.742	2344.	.9682-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
465	.5314-01	.9729-02

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
465	.10000+00	.10000+00	340.00	.1430	.2121	.2121	.9500	.7597-02	.1127-01	.8271	5.686	600.8
465	.10000+00	.30000	341.00	.1195	.1799	.1799	.9500	.6349-02	.9560-02	.6706	4.754	604.0
465	.10000+00	.50000	342.00	.9356-01	.1323	.1323	.9500	.4971-02	.7031-02	.6023	4.448	588.5
465	.20000	.10000+00	343.00	.1644	.2454	.2454	.9500	.8737-02	.1304-01	.9397	6.561	602.1
465	.20000	.20000	344.00	.1513	.2217	.2217	.9500	.8041-02	.1178-01	.8989	6.455	597.9
465	.20000	.40000	345.00	.1301	.1907	.1907	.9500	.6916-02	.1013-01	.7731	5.357	597.9
465	.20000	.60000	346.00	.8237-01	.1113	.1113	.9500	.4377-02	.5913-02	.5979	4.235	573.1
465	.20000	.80000	347.00	.1931-01	.2471-01	.2471-01	.9500	.1026-02	.1313-02	.1667	1.177	547.2
465	.30000	.50000-01	348.00	.1517	.2273	.2273	.9500	.8062-02	.1208-01	.8601	6.265	603.0
465	.30000	.20000	349.00	.1453	.2184	.2184	.9500	.7722-02	.1161-01	.8188	5.712	603.6
465	.30000	.40000	350.00	.1372	.2020	.2020	.9500	.7288-02	.1073-01	.8056	5.633	599.1
465	.30000	.50000	351.00	.1245	.1789	.1789	.9500	.6615-02	.9506-02	.7718	5.277	593.0
465	.30000	.90000	352.00	.2938-01	.3772-01	.3772-01	.9500	.1561-02	.2004-02	.2507	1.857	549.1
465	.40000	.10000+00	353.00	.1292	.1797	.1797	.9500	.6868-02	.9547-02	.8684	6.220	583.2
465	.40000	.20000	354.00	.1355	.1910	.1910	.9500	.7202-02	.1015-01	.8805	6.094	587.4
465	.40000	.50000	356.00	.1201	.1748	.1748	.9500	.6380-02	.9290-02	.7229	5.094	596.4
465	.40000	.90000	358.00	.3469-01	.4465-01	.4465-01	.9500	.1843-02	.2373-02	.2932	2.184	550.6
465	.50000	.50000-01	359.00	.1206	.1822	.1822	.9500	.6409-02	.9681-02	.6727	5.102	604.7
465	.50000	.70000	360.00	.3259-01	.4160-01	.4160-01	.9500	.1732-02	.2210-02	.2837	2.256	545.8
465	.50000	.90000	361.00	.4333-01	.5612-01	.5612-01	.9500	.2302-02	.2982-02	.3583	2.521	554.0
465	.60000	.50000-01	362.00	.1175	.1765	.1765	.9500	.6243-02	.9381-02	.6621	4.937	603.6

IH102 60-0TS VERTICAL TAIL (R4WT39)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
465	.60000	.10000+00	363.00	.1190	.1708	.1708	.9500	.6324-02	.9078-02	.7398	5.453	592.7
465	.60000	.20000	364.00	.9949-01	.1342	.1342	.9500	.5287-02	.7131-02	.7254	5.258	572.5
465	.60000	.40000	365.00	.8809-01	.1183	.1183	.9500	.4681-02	.6288-02	.6498	4.491	570.9
465	.60000	.50000	366.00	.7274-01	.1004	.1004	.9500	.3866-02	.5336-02	.4977	3.456	580.9
465	.60000	.70000	367.00	.3395-01	.4358-01	.4358-01	.9500	.1804-02	.2316-02	.2897	2.299	549.1
465	.60000	.90000	368.00	.4715-01	.6150-01	.6150-01	.9500	.2505-02	.3268-02	.3809	2.809	557.6
465	.70000	.50000-01	369.00	.9826-01	.1489	.1489	.9500	.5221-02	.7913-02	.5446	4.280	605.4
465	.70000	.70000	370.00	.3126-01	.4028-01	.4028-01	.9500	.1661-02	.2140-02	.2631	2.123	551.3
465	.70000	.90000	371.00	.4447-01	.5815-01	.5815-01	.9500	.2363-02	.3090-02	.3565	2.718	558.8
465	.80000	.10000+00	373.00	.1118	.1651	.1651	.9500	.5943-02	.8774-02	.6535	4.833	599.7
465	.80000	.40000	374.00	.6167-01	.8104-01	.8104-01	.9500	.3277-02	.4306-02	.4866	3.467	561.2
465	.80000	.50000	375.00	.4448-01	.5752-01	.5752-01	.9500	.2364-02	.3057-02	.3699	2.524	553.2
465	.80000	.70000	376.00	.2125-01	.2694-01	.2694-01	.9500	.1129-02	.1431-02	.1896	1.510	541.7
465	.80000	.90000	377.00	.1129-01	.1438-01	.1438-01	.9500	.5998-03	.7639-03	.9910-01	.7611	544.5
465	.90000	.10000+00	378.00	.1228	.1877	.1877	.9500	.6526-02	.9976-02	.6696	4.663	607.1
465	.90000	.30000	379.00	.9699-01	.1316	.1316	.9500	.5154-02	.6993-02	.6956	5.003	574.7
465	.90000	.50000	380.00	.4024-01	.5129-01	.5129-01	.9500	.2138-02	.2725-02	.3521	2.450	545.0
465	.90000	.70000	381.00	.3356-01	.4246-01	.4246-01	.9500	.1783-02	.2256-02	.3019	2.188	540.4
465	.90000	.90000	382.00	.1941-01	.2453-01	.2453-01	.9500	.1031-02	.1303-02	.1754	1.314	539.6
465	.95000	.30000	383.00	.8796-01	.1192	.1192	.9500	.4674-02	.6333-02	.6334	4.440	574.2
465	.95000	.50000	384.00	.5146-01	.6712-01	.6712-01	.9500	.2734-02	.3567-02	.4157	2.920	557.6
465	.95000	.90000	385.00	.3163-01	.4036-01	.4036-01	.9500	.1681-02	.2145-02	.2759	1.861	545.6

IH102 60-OTS VERTICAL TAIL (R4WT40)

VERT TAIL

PARAMETRIC DATA

MACH = 3.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
468	3.510	3.010	5.064	.0000	33.90	709.7	252.4	.9090	5.765	2344.	.9722-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
468	.5325-01	.9710-02

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
468	.10000+00	.10000+00	340.00	.1288	.1911	.1911	.9500	.6857-02	.1018-01	.7457	5.127	600.9
468	.10000+00	.30000	341.00	.1043	.1575	.1575	.9500	.5552-02	.8387-02	.5829	4.131	604.7
468	.10000+00	.50000	342.00	.8302-01	.1178	.1178	.9500	.4421-02	.6272-02	.5314	3.923	589.5
468	.20000	.10000+00	343.00	.1252	.1823	.1823	.9500	.6667-02	.9704-02	.7557	5.291	596.3
468	.20000	.20000	344.00	.1213	.1780	.1780	.9500	.6458-02	.9479-02	.7191	5.163	598.3
468	.20000	.40000	345.00	.1269	.1850	.1850	.9500	.6756-02	.9852-02	.7628	5.289	596.8
468	.20000	.60000	346.00	.6979-01	.9409-01	.9409-01	.9500	.3716-02	.5010-02	.5106	3.618	572.3
468	.20000	.80000	347.00	.1011-01	.1301-01	.1301-01	.9500	.5383-03	.6929-03	.8563-01	.6036	550.6
468	.30000	.50000-01	348.00	.1173	.1732	.1732	.9500	.6247-02	.9225-02	.6865	5.009	599.8
468	.30000	.20000	349.00	.1254	.1837	.1837	.9500	.6680-02	.9780-02	.7478	5.232	597.7
468	.30000	.40000	350.00	.1273	.1869	.1869	.9500	.6778-02	.9952-02	.7541	5.274	598.4
468	.30000	.50000	351.00	.1160	.1658	.1658	.9500	.6177-02	.8827-02	.7301	4.995	591.5
468	.30000	.90000	352.00	.1321-01	.1705-01	.1705-01	.9500	.7032-03	.9076-03	.1108	.8194	552.1
468	.40000	.10000+00	353.00	.9854-01	.1380	.1380	.9500	.5247-02	.7349-02	.6508	4.656	585.6
468	.40000	.20000	354.00	.9157-01	.1269	.1269	.9500	.4876-02	.6756-02	.6219	4.315	582.1
468	.40000	.50000	356.00	.9931-01	.1423	.1423	.9500	.5288-02	.7575-02	.6214	4.388	592.2
468	.40000	.90000	358.00	.2226-01	.2884-01	.2884-01	.9500	.1185-02	.1535-02	.1846	1.373	554.0
468	.50000	.50000-01	359.00	.1001	.1507	.1507	.9500	.5329-02	.8023-02	.5633	4.274	604.0
468	.50000	.70000	360.00	.2262-01	.2912-01	.2912-01	.9500	.1205-02	.1550-02	.1917	1.521	550.5
468	.50000	.90000	361.00	.2740-01	.3561-01	.3561-01	.9500	.1459-02	.1896-02	.2243	1.577	555.9
468	.60000	.50000-01	362.00	.9774-01	.1475	.1475	.9500	.5204-02	.7856-02	.5471	4.078	604.6

IH102 60-OTS VERTICAL TAIL (R4WT40)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
468	.60000	.10000+00	363.00	.9303-01	.1345	.1345	.9500	.4954-02	.7161-02	.5703	4.199	594.6
468	.60000	.20000	364.00	.7260-01	.9964-01	.9964-01	.9500	.3866-02	.5305-02	.5056	3.653	578.9
468	.60000	.40000	365.00	.5907-01	.8052-01	.8052-01	.9500	.3145-02	.4287-02	.4190	2.888	576.5
468	.60000	.50000	366.00	.5963-01	.8205-01	.8205-01	.9500	.3175-02	.4369-02	.4125	2.865	579.8
468	.60000	.70000	367.00	.3379-01	.4365-01	.4365-01	.9500	.1799-02	.2324-02	.2826	2.239	552.6
468	.60000	.90000	368.00	.4020-01	.5271-01	.5271-01	.9500	.2141-02	.2807-02	.3202	2.359	560.1
468	.70000	.50000-01	369.00	.8877-01	.1345	.1345	.9500	.4727-02	.7161-02	.4934	3.877	605.3
468	.70000	.70000	370.00	.2609-01	.3370-01	.3370-01	.9500	.1389-02	.1794-02	.2184	1.762	552.5
468	.70000	.90000	371.00	.3393-01	.4441-01	.4441-01	.9500	.1807-02	.2365-02	.2716	2.070	559.3
468	.80000	.10000+00	373.00	.1043	.1537	.1537	.9500	.5556-02	.8187-02	.6134	4.537	599.3
468	.80000	.40000	374.00	.3847-01	.5143-01	.5143-01	.9500	.2049-02	.2738-02	.2885	2.048	568.8
468	.80000	.50000	375.00	.2949-01	.3883-01	.3883-01	.9500	.1570-02	.2067-02	.2318	1.574	562.1
468	.80000	.70000	376.00	.1672-01	.2141-01	.2141-01	.9500	.8902-03	.1140-02	.1441	1.145	547.7
468	.80000	.90000	377.00	.8229-02	.1053-01	.1053-01	.9500	.4381-03	.5610-03	.7101-01	.5446	547.6
468	.90000	.10000+00	378.00	.1031	.1572	.1572	.9500	.5489-02	.8370-02	.5657	3.941	606.6
468	.90000	.30000	379.00	.6962-01	.9582-01	.9582-01	.9500	.3707-02	.5102-02	.4811	3.451	579.9
468	.90000	.50000	380.00	.2526-01	.3251-01	.3251-01	.9500	.1345-02	.1731-02	.2138	1.484	550.7
468	.90000	.70000	381.00	.2478-01	.3178-01	.3178-01	.9500	.1320-02	.1692-02	.2125	1.533	548.6
468	.90000	.90000	382.00	.1007-01	.1291-01	.1291-01	.9500	.5362-03	.6875-03	.8644-01	.6448	548.5
468	.95000	.30000	383.00	.6601-01	.9042-01	.9042-01	.9500	.3515-02	.4815-02	.4619	3.232	578.3
468	.95000	.50000	384.00	.3400-01	.4493-01	.4493-01	.9500	.1810-02	.2392-02	.2641	1.849	563.8
468	.95000	.90000	385.00	.1825-01	.2357-01	.2357-01	.9500	.9720-03	.1255-02	.1529	1.028	552.4

VERT TAIL

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
508	3.507	4.020	-4.952	-10.93	57.69	708.7	167.5	.3700	4.185	2550.	.5963-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
508	.4539-01	.1240-01

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
508	.10000+00	.10000+00	340.00	.1860	.2729	.2729	.9500	.8441-02	.1239-01	.9391	6.467	597.4
508	.10000+00	.30000	341.00	.1573	.2276	.2276	.9500	.7139-02	.1033-01	.8188	5.834	594.0
508	.10000+00	.50000	342.00	.1346	.1865	.1865	.9500	.6108-02	.8463-02	.7778	5.765	581.3
508	.20000	.10000+00	343.00	.1849	.2687	.2687	.9500	.8392-02	.1220-01	.9535	6.680	595.1
508	.20000	.20000	344.00	.1850	.2790	.2790	.9500	.8396-02	.1266-01	.8827	6.321	603.5
508	.20000	.40000	345.00	.1991	.2913	.2913	.9500	.9037-02	.1322-01	1.012	7.014	596.7
508	.20000	.60000	346.00	.1241	.1667	.1667	.9500	.5631-02	.7568-02	.7794	5.528	570.3
508	.20000	.80000	347.00	.3562-01	.4500-01	.4500-01	.9500	.1617-02	.2042-02	.2750	1.950	538.6
508	.30000	.50000-01	348.00	.1593	.2299	.2299	.9500	.7231-02	.1043-01	.8351	6.113	593.2
508	.30000	.20000	349.00	.1849	.2743	.2743	.9500	.8390-02	.1245-01	.9117	6.372	600.0
508	.30000	.40000	350.00	.1880	.2736	.2736	.9500	.8534-02	.1242-01	.9668	6.772	595.4
508	.30000	.50000	351.00	.1806	.2577	.2577	.9500	.8196-02	.1170-01	.9704	6.643	590.3
508	.30000	.90000	352.00	.6572-01	.8469-01	.8469-01	.9500	.2983-02	.3844-02	.4718	3.492	550.5
508	.40000	.10000+00	353.00	.1677	.2321	.2321	.9500	.7610-02	.1054-01	.9710	6.962	581.1
508	.40000	.20000	354.00	.2070	.3065	.3065	.9500	.9396-02	.1391-01	1.026	7.058	599.5
508	.40000	.50000	356.00	.1637	.2329	.2329	.9500	.7431-02	.1057-01	.8867	6.270	589.4
508	.40000	.90000	358.00	.6452-01	.8396-01	.8396-01	.9500	.2928-02	.3810-02	.4483	3.332	555.6
508	.50000	.50000-01	359.00	.1740	.2583	.2583	.9500	.7897-02	.1172-01	.8572	6.516	600.1
508	.50000	.70000	360.00	.4029-01	.5147-01	.5147-01	.9500	.1828-02	.2336-02	.2981	2.370	545.6
508	.50000	.90000	361.00	.6842-01	.8956-01	.8956-01	.9500	.3106-02	.4065-02	.4663	3.274	558.5
508	.60000	.50000-01	362.00	.1656	.2425	.2425	.9500	.7514-02	.1100-01	.8394	6.281	597.0

IH102 60-OTS VERTICAL TAIL (R4WT41)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
508	.60000	.10000+00	363.00	.1777	.2520	.2520	.9500	.8066-02	.1144-01	.9697	7.162	588.4
508	.60000	.20000	364.00	.1839	.2589	.2589	.9500	.8348-02	.1175-01	1.022	7.355	586.3
508	.60000	.40000	365.00	.1697	.2396	.2396	.9500	.7702-02	.1087-01	.9357	6.415	587.2
508	.60000	.50000	366.00	.1261	.1733	.1733	.9500	.5722-02	.7864-02	.7443	5.174	578.6
508	.60000	.70000	367.00	.3921-01	.5009-01	.5009-01	.9500	.1780-02	.2273-02	.2904	2.309	545.5
508	.60000	.90000	368.00	.4723-01	.6136-01	.6136-01	.9500	.2144-02	.2785-02	.3299	2.436	554.8
508	.70000	.50000-01	369.00	.1507	.2238	.2238	.9500	.6839-02	.1016-01	.7418	5.844	600.2
508	.70000	.70000	370.00	.4666-01	.6000-01	.6000-01	.9500	.2118-02	.2723-02	.3376	2.727	549.3
508	.70000	.90000	371.00	.5212-01	.6787-01	.6787-01	.9500	.2365-02	.3080-02	.3611	2.757	556.0
508	.80000	.10000+00	373.00	.1845	.2701	.2701	.9500	.8376-02	.1226-01	.9368	6.938	596.8
508	.80000	.40000	374.00	.1911	.2759	.2759	.9500	.8672-02	.1252-01	.9999	7.011	593.4
508	.80000	.50000	375.00	.1612	.2243	.2243	.9500	.7317-02	.1018-01	.9217	6.197	582.7
508	.80000	.70000	376.00	.7088-01	.9277-01	.9277-01	.9500	.3217-02	.4211-02	.4830	3.815	558.5
508	.80000	.90000	377.00	.5320-01	.6956-01	.6956-01	.9500	.2415-02	.3157-02	.3638	2.775	558.0
508	.90000	.10000+00	378.00	.1660	.2463	.2463	.9500	.7536-02	.1118-01	.8194	5.727	599.9
508	.90000	.30000	379.00	.1867	.2646	.2646	.9500	.8472-02	.1201-01	1.019	7.279	588.4
508	.90000	.50000	380.00	.5568-01	.7118-01	.7118-01	.9500	.2527-02	.3231-02	.4113	2.861	545.9
508	.90000	.70000	381.00	.1043	.1389	.1389	.9500	.4734-02	.6303-02	.6738	4.820	566.3
508	.90000	.90000	382.00	.7075-01	.9465-01	.9465-01	.9500	.3211-02	.4296-02	.4507	3.328	568.3
508	.95000	.30000	383.00	.1676	.2331	.2331	.9500	.7609-02	.1058-01	.9595	6.699	582.6
508	.95000	.50000	384.00	.1372	.1929	.1929	.9500	.6228-02	.8753-02	.7649	5.298	585.8
508	.95000	.90000	385.00	.6251-01	.8249-01	.8249-01	.9500	.2837-02	.3744-02	.4150	2.776	562.4

VERT TAIL

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
519	1.026	4.020	-4.937	-5.893	16.97	711.7	168.2	.1089	1.231	2556.	.1747-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
519	.2464-01	.2293-01

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
519	.10000+00	.10000+00	340.00	.2338	.3047	.3047	.9500	.5759-02	.7507-02	.8804	6.180	558.8
519	.10000+00	.30000	341.00	.1302	.1689	.1689	.9500	.3207-02	.4160-02	.4984	3.618	556.3
519	.10000+00	.50000	342.00	.9164-01	.1173	.1173	.9500	.2258-02	.2891-02	.3667	2.762	549.2
519	.20000	.10000+00	343.00	.1864	.2416	.2416	.9500	.4594-02	.5953-02	.7158	5.114	555.8
519	.20000	.20000	344.00	.1159	.1494	.1494	.9500	.2855-02	.3681-02	.4530	3.326	553.0
519	.20000	.40000	345.00	.1037	.1342	.1342	.9500	.2555-02	.3306-02	.4001	2.832	555.1
519	.20000	.60000	346.00	.6200-01	.7915-01	.7915-01	.9500	.1528-02	.1950-02	.2509	1.800	547.5
519	.20000	.80000	347.00	.1239-01	.1564-01	.1564-01	.9500	.3053-03	.3853-03	.5226-01	.3703	540.5
519	.30000	.50000-01	348.00	.1773	.2339	.2339	.9500	.4368-02	.5763-02	.6423	4.768	564.6
519	.30000	.20000	349.00	.1082	.1389	.1389	.9500	.2666-02	.3422-02	.4294	3.076	550.6
519	.30000	.40000	350.00	.8538-01	.1111	.1111	.9500	.2104-02	.2738-02	.3232	2.306	558.0
519	.30000	.50000	351.00	.7390-01	.9577-01	.9577-01	.9500	.1821-02	.2360-02	.2837	1.976	555.9
519	.30000	.90000	352.00	.1099-01	.1389-01	.1389-01	.9500	.2707-03	.3423-03	.4602-01	.3421	541.7
519	.40000	.10000+00	353.00	.1203	.1556	.1556	.9500	.2965-02	.3834-02	.4655	3.382	554.7
519	.40000	.20000	354.00	.1034	.1327	.1327	.9500	.2546-02	.3269-02	.4098	2.889	550.7
519	.40000	.50000	356.00	.5629-01	.7298-01	.7298-01	.9500	.1387-02	.1798-02	.2157	1.551	556.1
519	.40000	.90000	358.00	.1075-01	.1365-01	.1365-01	.9500	.2648-03	.3362-03	.4433-01	.3314	544.2
519	.50000	.50000-01	359.00	.1632	.2214	.2214	.9500	.4021-02	.5455-02	.5445	4.188	576.3
519	.50000	.70000	360.00	.1292-01	.1641-01	.1641-01	.9500	.3182-03	.4043-03	.5319-01	.4231	544.5
519	.50000	.90000	361.00	.1933-01	.2466-01	.2466-01	.9500	.4764-03	.6077-03	.7844-01	.5540	547.0
519	.60000	.50000-01	362.00	.1774	.2432	.2432	.9500	.4370-02	.5992-02	.5743	4.332	580.3

IH102 60-OTS VERTICAL TAIL (R4WT42)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
519	.60000	.10000+00	363.00	.1612	.2159	.2159	.9500	.3973-02	.5319-02	.5583	4.159	571.1
519	.60000	.20000	364.00	.9579-01	.1245	.1245	.9500	.2360-02	.3067-02	.3645	2.663	557.2
519	.60000	.40000	365.00	.6474-01	.8363-01	.8363-01	.9500	.1595-02	.2061-02	.2512	1.751	554.2
519	.60000	.50000	366.00	.6487-01	.8390-01	.8390-01	.9500	.1598-02	.2067-02	.2509	1.765	554.7
519	.60000	.70000	367.00	.2236-01	.2843-01	.2843-01	.9500	.5510-03	.7006-03	.9184-01	.7304	545.0
519	.60000	.90000	368.00	.2130-01	.2719-01	.2719-01	.9500	.5248-03	.6699-03	.8623-01	.6393	547.4
519	.70000	.50000-01	369.00	.1605	.2235	.2235	.9500	.3955-02	.5508-02	.4993	3.962	585.4
519	.70000	.70000	370.00	.1961-01	.2492-01	.2492-01	.9500	.4832-03	.6139-03	.8072-01	.6538	544.6
519	.70000	.90000	371.00	.1632-01	.2079-01	.2079-01	.9500	.4020-03	.5122-03	.6650-01	.5103	546.3
519	.80000	.10000+00	373.00	.1565	.2143	.2143	.9500	.3855-02	.5279-02	.5087	3.799	579.7
519	.80000	.40000	374.00	.2940-01	.3798-01	.3798-01	.9500	.7244-03	.9358-03	.1141	.8160	554.1
519	.80000	.50000	375.00	.2758-01	.3544-01	.3544-01	.9500	.6796-03	.8733-03	.1090	.7447	551.2
519	.80000	.70000	376.00	.2338-01	.2983-01	.2983-01	.9500	.5761-03	.7349-03	.9486-01	.7536	547.0
519	.80000	.90000	377.00	.2067-01	.2625-01	.2625-01	.9500	.5092-03	.6467-03	.8523-01	.6546	544.3
519	.90000	.10000+00	378.00	.1769	.2469	.2469	.9500	.4359-02	.6083-02	.5473	3.852	586.1
519	.90000	.30000	379.00	.9955-01	.1302	.1302	.9500	.2453-02	.3207-02	.3711	2.689	560.4
519	.90000	.50000	380.00	.1263-01	.1600-01	.1600-01	.9500	.3111-03	.3942-03	.5256-01	.3662	542.7
519	.90000	.70000	381.00	.2440-01	.3121-01	.3121-01	.9500	.6013-03	.7691-03	.9807-01	.7078	548.6
519	.90000	.90000	382.00	.2412-01	.3107-01	.3107-01	.9500	.5943-03	.7655-03	.9458-01	.7041	552.5
519	.95000	.30000	383.00	.9727-01	.1278	.1278	.9500	.2397-02	.3150-02	.3566	2.514	562.9
519	.95000	.50000	384.00	.3276-01	.4240-01	.4240-01	.9500	.8073-03	.1045-02	.1264	.8890	555.1
519	.95000	.90000	385.00	.1620-01	.2080-01	.2080-01	.9500	.3993-03	.5124-03	.6435-01	.4330	550.5

VERT TAIL

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
459	3.524	4.020	-4.973	-5.965	57.96	708.7	167.5	.3717	4.205	2550.	.5991-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
459	.4549-01	.1237-01

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
459	.10000+00	.10000+00	340.00	.2278	.3279	.3279	.9500	.1036-01	.1492-01	1.204	8.310	592.5
459	.10000+00	.30000	341.00	.1511	.2172	.2172	.9500	.6876-02	.9881-02	.8011	5.712	592.2
459	.10000+00	.50000	342.00	.1243	.1704	.1704	.9500	.5654-02	.7750-02	.7409	5.502	577.6
459	.20000	.10000+00	343.00	.1829	.2634	.2634	.9500	.8322-02	.1198-01	.9649	6.768	592.7
459	.20000	.20000	344.00	.1809	.2638	.2638	.9500	.8230-02	.1200-01	.9283	6.673	595.9
459	.20000	.40000	345.00	.1834	.2610	.2610	.9500	.8343-02	.1187-01	.9939	6.915	589.5
459	.20000	.60000	346.00	.1123	.1494	.1494	.9500	.5111-02	.6799-02	.7293	5.184	566.0
459	.20000	.80000	347.00	.3448-01	.4358-01	.4358-01	.9500	.1569-02	.1983-02	.2662	1.888	539.0
459	.30000	.50000-01	348.00	.1560	.2228	.2228	.9500	.7095-02	.1014-01	.8380	6.141	590.6
459	.30000	.20000	349.00	.1977	.2844	.2844	.9500	.8995-02	.1294-01	1.046	7.335	592.4
459	.30000	.40000	350.00	.1627	.2332	.2332	.9500	.7401-02	.1061-01	.8673	6.087	591.5
459	.30000	.50000	351.00	.1537	.2153	.2153	.9500	.6992-02	.9796-02	.8656	5.941	584.9
459	.30000	.90000	352.00	.3243-01	.4109-01	.4109-01	.9500	.1475-02	.1869-02	.2481	1.846	540.5
459	.40000	.10000+00	353.00	.1462	.1983	.1983	.9500	.6651-02	.9019-02	.8977	6.460	573.7
459	.40000	.20000	354.00	.1950	.2717	.2717	.9500	.8869-02	.1236-01	1.112	7.713	583.3
459	.40000	.50000	356.00	.1401	.1954	.1954	.9500	.6374-02	.8888-02	.7987	5.665	583.4
459	.40000	.90000	358.00	.5224-01	.6718-01	.6718-01	.9500	.2377-02	.3056-02	.3787	2.823	549.3
459	.50000	.50000-01	359.00	.1464	.2125	.2125	.9500	.6660-02	.9667-02	.7588	5.783	594.7
459	.50000	.70000	360.00	.3283-01	.4173-01	.4173-01	.9500	.1494-02	.1898-02	.2482	1.976	542.5
459	.50000	.90000	361.00	.4908-01	.6346-01	.6346-01	.9500	.2233-02	.2887-02	.3492	2.460	552.3
459	.60000	.50000-01	362.00	.1399	.2023	.2023	.9500	.6366-02	.9203-02	.7318	5.484	593.7

IH102 60-0TS VERTICAL TAIL (R4WT42)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
459	.60000	.10000+00	363.00	.1420	.1975	.1975	.9500	.6458-02	.8984-02	.8137	6.027	582.7
459	.60000	.20000	364.00	.1396	.1866	.1866	.9500	.6350-02	.8490-02	.8928	6.485	568.1
459	.60000	.40000	365.00	.1631	.2255	.2255	.9500	.7420-02	.1026-01	.9502	6.536	580.6
459	.60000	.50000	366.00	.1255	.1702	.1702	.9500	.5708-02	.7741-02	.7700	5.365	573.8
459	.60000	.70000	367.00	.3696-01	.4711-01	.4711-01	.9500	.1682-02	.2143-02	.2766	2.200	544.2
459	.60000	.90000	368.00	.4612-01	.5984-01	.5984-01	.9500	.2098-02	.2723-02	.3241	2.395	554.2
459	.70000	.50000-01	369.00	.1145	.1677	.1677	.9500	.5207-02	.7627-02	.5814	4.587	597.0
459	.70000	.70000	370.00	.4497-01	.5765-01	.5765-01	.9500	.2046-02	.2623-02	.3295	2.665	547.6
459	.70000	.90000	371.00	.4585-01	.5966-01	.5966-01	.9500	.2086-02	.2714-02	.3194	2.439	555.6
459	.80000	.10000+00	373.00	.1164	.1660	.1660	.9500	.5294-02	.7552-02	.6272	4.660	590.2
459	.80000	.40000	374.00	.1220	.1643	.1643	.9500	.5549-02	.7475-02	.7631	5.410	571.2
459	.80000	.50000	375.00	.1211	.1625	.1625	.9500	.5509-02	.7394-02	.7660	5.184	569.6
459	.80000	.70000	376.00	.6573-01	.8519-01	.8519-01	.9500	.2990-02	.3875-02	.4638	3.672	553.6
459	.80000	.90000	377.00	.5861-01	.7604-01	.7604-01	.9500	.2666-02	.3459-02	.4121	3.150	554.1
459	.90000	.10000+00	378.00	.1214	.1793	.1793	.9500	.5522-02	.8156-02	.6058	4.236	599.0
459	.90000	.30000	379.00	.8895-01	.1189	.1189	.9500	.4047-02	.5408-02	.5696	4.111	567.9
459	.90000	.50000	380.00	.4408-01	.5596-01	.5596-01	.9500	.2006-02	.2546-02	.3348	2.333	541.7
459	.90000	.70000	381.00	.6980-01	.8995-01	.8995-01	.9500	.3176-02	.4092-02	.5024	3.622	550.5
459	.90000	.90000	382.00	.7025-01	.9295-01	.9295-01	.9500	.3196-02	.4229-02	.4638	3.433	563.6
459	.95000	.30000	383.00	.8276-01	.1111	.1111	.9500	.3765-02	.5053-02	.5233	3.677	569.7
459	.95000	.50000	384.00	.4931-01	.6422-01	.6422-01	.9500	.2243-02	.2921-02	.3423	2.407	556.1
459	.95000	.90000	385.00	.4461-01	.5824-01	.5824-01	.9500	.2029-02	.2650-02	.3072	2.060	557.3

VERT TAIL

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
514	1.023	4.020	-4.918	-.1715-02	16.93	711.7	168.2	.1086	1.228	2556.	.1743-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
514	.2461-01	.2296-01

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
514	.10000+00	.10000+00	340.00	.1245	.1642	.1642	.9500	.3064-02	.4041-02	.4510	3.157	564.5
514	.10000+00	.30000	341.00	.3808-01	.5013-01	.5013-01	.9500	.9370-03	.1234-02	.1387	1.003	563.7
514	.10000+00	.50000	342.00	.2645-01	.3413-01	.3413-01	.9500	.6509-03	.8398-03	.1030	.7740	553.5
514	.20000	.10000+00	343.00	.1284	.1707	.1707	.9500	.3160-02	.4201-02	.4540	3.224	568.0
514	.20000	.20000	344.00	.3210-01	.4240-01	.4240-01	.9500	.7900-03	.1043-02	.1158	.8449	565.1
514	.20000	.40000	345.00	.9134-01	.1193	.1193	.9500	.2248-02	.2936-02	.3411	2.408	559.9
514	.20000	.60000	346.00	.4333-01	.5522-01	.5522-01	.9500	.1066-02	.1359-02	.1762	1.265	546.4
514	.20000	.80000	347.00	.2713-02	.3377-02	.3377-02	.9500	.6676-04	.8309-04	.1209-01	.8608-01	530.6
514	.30000	.50000-01	348.00	.1513	.2048	.2048	.9500	.3723-02	.5039-02	.5073	3.746	575.4
514	.30000	.20000	349.00	.2341-01	.3067-01	.3067-01	.9500	.5761-03	.7548-03	.8658-01	.6168	561.4
514	.30000	.40000	350.00	.1008	.1324	.1324	.9500	.2481-02	.3257-02	.3707	2.640	562.3
514	.30000	.50000	351.00	.9687-01	.1261	.1261	.9500	.2384-02	.3104-02	.3656	2.543	558.3
514	.30000	.90000	352.00	.6914-02	.8620-02	.8620-02	.9500	.1701-03	.2121-03	.3058-01	.2285	531.9
514	.40000	.10000+00	353.00	.1116	.1465	.1465	.9500	.2746-02	.3606-02	.4096	2.964	562.5
514	.40000	.20000	354.00	.3302-01	.4304-01	.4304-01	.9500	.8126-03	.1059-02	.1242	.8718	558.8
514	.40000	.50000	356.00	.7767-01	.1009	.1009	.9500	.1911-02	.2483-02	.2955	2.123	557.1
514	.40000	.90000	358.00	.1452-01	.1817-01	.1817-01	.9500	.3573-03	.4471-03	.6330-01	.4755	534.5
514	.50000	.50000-01	359.00	.1413	.1929	.1929	.9500	.3477-02	.4746-02	.4628	3.555	578.6
514	.50000	.70000	360.00	.2648-01	.3313-01	.3313-01	.9500	.6515-03	.8152-03	.1155	.9234	534.4
514	.50000	.90000	361.00	.2783-01	.3493-01	.3493-01	.9500	.6848-03	.8596-03	.1198	.8505	536.7
514	.60000	.50000-01	362.00	.1578	.2148	.2148	.9500	.3884-02	.5287-02	.5208	3.934	577.6

(R4WT43)

IH102 60-OTS VERTICAL TAI.

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	Tw DEG. R
514	.60000	.10000+00	363.00	.1457	.1936	1936	.9500	.3584-02	.4765-02	.5148	3.841	568.0
514	.60000	.20000	364.00	.6755-01	.8732-01	8732-01	.9500	.1662-02	.2149-02	.2613	1.911	554.5
514	.60000	.50000	366.00	.8045-02	.1018-01	1018-01	.9500	.1980-03	.2506-03	.3355-01	.2375	542.2
514	.60000	.70000	367.00	.1939-01	.2421-01	2421-01	.9500	.4772-03	.5957-03	.8538-01	.6832	532.8
514	.60000	.90000	368.00	.2570-01	.3225-01	3225-01	.9500	.6325-03	.7937-03	.1108	.8260	536.5
514	.70000	.50000-01	369.00	.1484	.2021	2021	.9500	.3651-02	.4973-02	.4885	3.891	577.9
514	.70000	.70000	370.00	.3406-02	.4238-02	4238-02	.9500	.8381-04	.1043-03	.1518-01	.1238	530.5
514	.70000	.90000	371.00	.7354-02	.9198-02	9198-02	.9500	.1810-03	.2264-03	.3211-01	.2479	534.2
514	.80000	.10000+00	373.00	.1552	.2074	2074	.9500	.3819-02	.5103-02	.5402	4.054	570.2
514	.80000	.40000	374.00	.2335-01	.2982-01	.2982-01	.9500	.5745-03	.7339-03	.9413-01	.6752	547.8
514	.80000	.50000	375.00	.2210-01	.2803-01	.2803-01	.9500	.5439-03	.6898-03	.9155-01	.6278	543.4
514	.80000	.70000	376.00	.6208-02	.7774-02	.7774-02	.9500	.1528-03	.1913-03	.2699-01	.2157	535.0
514	.90000	.10000+00	378.00	.1840	.2484	.2484	.9500	.4527-02	.6113-02	.6211	4.396	574.5
514	.90000	.30000	379.00	.9095-01	.1170	.1170	.9500	.2238-02	.2879-02	.3579	2.604	551.8
514	.90000	.50000	380.00	.2331-01	.2914-01	.2914-01	.9500	.5737-03	.7171-03	.1021	.7147	533.7
514	.90000	.70000	381.00	.2421-01	.3045-01	.3045-01	.9500	.5957-03	.7493-03	.1034	.7505	538.0
514	.90000	.90000	382.00	.3383-02	.4264-02	.4264-02	.9500	.8325-04	.1049-03	.1433-01	.1074	539.5
514	.95000	.30000	383.00	.9570-01	.1232	.1232	.9500	.2355-02	.3033-02	.3751	2.659	552.4
514	.95000	.50000	384.00	.3415-01	.4352-01	.4352-01	.9500	.8404-03	.1071-02	.1389	.9810	546.4
514	.95000	.90000	385.00	.1155-01	.1460-01	.1460-01	.9500	.2842-03	.3593-03	.4842-01	.3273	541.3

IH102 60-0TS VERTICAL TAI. (R4WT43)

VERT TAIL

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
450	3.529	4.020	-5.036	-.3511-02	58.03	708.7	167.5	.3722	4.210	2550.	.5999-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
450	.4552-01	.1237-01

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
450	.10000+00	.10000+00	340.00	.1256	.1756	.1756	.9500	.5717-02	.7993-02	.7114	4.931	584.2
450	.10000+00	.30000	341.00	.1069	.1525	.1525	.9500	.4866-02	.6941-02	.5768	4.117	590.1
450	.10000+00	.50000	342.00	.8667-01	.1184	.1184	.9500	.3945-02	.5388-02	.5222	3.880	576.3
450	.20000	.10000+00	343.00	.1267	.1753	.1753	.9500	.5770-02	.7980-02	.7382	5.209	580.7
450	.20000	.20000	344.00	.1074	.1495	.1495	.9500	.4889-02	.6807-02	.6146	4.446	583.0
450	.20000	.40000	345.00	.1391	.1963	.1963	.9500	.6331-02	.8935-02	.7698	5.363	587.1
450	.20000	.60000	346.00	.7939-01	.1055	.1055	.9500	.3614-02	.4803-02	.5173	3.678	565.5
450	.20000	.80000	347.00	.1640-01	.2084-01	.2084-01	.9500	.7468-03	.9487-03	.1243	.8799	542.2
450	.30000	.50000-01	348.00	.1205	.1690	.1690	.9500	.5484-02	.7694-02	.6765	4.971	585.3
450	.30000	.20000	349.00	.9773-01	.1338	.1338	.9500	.4449-02	.6090-02	.5849	4.134	577.2
450	.30000	.40000	350.00	.1319	.1863	.1863	.9500	.6007-02	.8479-02	.7299	5.134	587.2
450	.30000	.50000	351.00	.1275	.1765	.1765	.9500	.5802-02	.8036-02	.7396	5.086	581.2
450	.30000	.90000	352.00	.1814-01	.2308-01	.2308-01	.9500	.8259-03	.1051-02	.1367	1.016	543.1
450	.40000	.10000+00	353.00	.9847-01	.1324	.1324	.9500	.4483-02	.6027-02	.6199	4.468	570.4
450	.40000	.20000	354.00	.8581-01	.1147	.1147	.9500	.3907-02	.5219-02	.5503	3.846	567.8
450	.40000	.50000	356.00	.1044	.1439	.1439	.9500	.4753-02	.6549-02	.6143	4.365	579.4
450	.40000	.90000	358.00	.3053-01	.3933-01	.3933-01	.9500	.1390-02	.1791-02	.2199	1.639	550.4
450	.50000	.50000-01	359.00	.1134	.1628	.1628	.9500	.5161-02	.7412-02	.6020	4.594	592.0
450	.50000	.70000	360.00	.2747-01	.3518-01	.3518-01	.9500	.1251-02	.1602-02	.2022	1.606	547.0
450	.50000	.90000	351.00	.3372-01	.4377-01	.4377-01	.9500	.1535-02	.1993-02	.2367	1.665	554.5
450	.80000	.50000-01	362.00	.1125	.1821	.1621	.9500	.5124-02	.7379-02	.5939	4.453	592.8

IH102 60-OTS VERTICAL TAIL (R4WT43)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
450	.60000	.10000+00	363.00	.1076	.1495	.1495	.9500	.4898-02	.6807-02	.6189	4.585	582.3
450	.60000	.20000	364.00	.7739-01	.1029	.1029	.9500	.3523-02	.4684-02	.5036	3.663	565.7
450	.60000	.40000	365.00	.5215-01	.6900-01	.6900-01	.9500	.2374-02	.3141-02	.3443	2.389	563.6
450	.60000	.50000	366.00	.4844-01	.6427-01	.6427-01	.9500	.2205-02	.2926-02	.3173	2.220	564.8
450	.60000	.70000	367.00	.2461-01	.3157-01	.3157-01	.9500	.1121-02	.1437-02	.1802	1.431	547.9
450	.60000	.90000	368.00	.3408-01	.4445-01	.4445-01	.9500	.1551-02	.2023-02	.2356	1.738	556.8
450	.70000	.50000-01	369.00	.9725-01	.1421	.1421	.9500	.4427-02	.6469-02	.4970	3.922	596.4
450	.70000	.70000	370.00	.2463-01	.3159-01	.3159-01	.9500	.1121-02	.1438-02	.1803	1.458	547.9
450	.70000	.90000	371.00	.3091-01	.4036-01	.4036-01	.9500	.1407-02	.1837-02	.2130	1.625	557.3
450	.80000	.10000+00	373.00	.1044	.1491	.1491	.9500	.4754-02	.6788-02	.5622	4.177	590.4
450	.80000	.40000	374.00	.4270-01	.5599-01	.5599-01	.9500	.1944-02	.2549-02	.2901	2.069	559.4
450	.80000	.50000	375.00	.3250-01	.4214-01	.4214-01	.9500	.1479-02	.1919-02	.2290	1.562	553.9
450	.80000	.70000	376.00	.1338-01	.1708-01	.1708-01	.9500	.6089-03	.7776-03	.9949-01	.7911	545.3
450	.80000	.90000	377.00	.5660-02	.7222-02	.7222-02	.9500	.2576-03	.3287-03	.4220-01	.3241	544.9
450	.90000	.10000+00	378.00	.1135	.1671	.1671	.9500	.5168-02	.7605-02	.5713	3.996	598.1
450	.90000	.30000	379.00	.7633-01	.1025	.1025	.9500	.3475-02	.4664-02	.4828	3.481	569.7
450	.90000	.50000	380.00	.3262-01	.4164-01	.4164-01	.9500	.1485-02	.1895-02	.2430	1.691	545.0
450	.90000	.70000	381.00	.2109-01	.2695-01	.2695-01	.9500	.9602-03	.1227-02	.1565	1.131	545.7
450	.90000	.90000	382.00	.7159-02	.9182-02	.9182-02	.9500	.3259-03	.4180-03	.5242-01	.3911	547.8
450	.95000	.30000	383.00	.7089-01	.9531-01	.9531-01	.9500	.3227-02	.4339-02	.4462	3.134	570.4
450	.95000	.50000	384.00	.3443-01	.4499-01	.4499-01	.9500	.1567-02	.2048-02	.2366	1.662	557.7
450	.95000	.90000	385.00	.9413-02	.1216-01	.1216-01	.9500	.4285-03	.5534-03	.6729-01	.4526	551.6

VERT TAIL

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
507	3.516	4.020	-.3894-02	-11.02	57.82	708.7	167.5	.3708	4.195	2550.	.5977-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
507	.4544-01	.1239-01

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
507	.10000+00	.10000+00	340.00	.1792	.2494	.2494	.9500	.8143-02	.1133-01	1.025	7.110	582.8
507	.10000+00	.30000	341.00	.1346	.1874	.1874	.9500	.6115-02	.8517-02	.7682	5.503	583.0
507	.10000+00	.50000	342.00	.8734-01	.1164	.1164	.9500	.3969-02	.5289-02	.5634	4.206	586.7
507	.20000	.10000+00	343.00	.1778	.2469	.2469	.9500	.8081-02	.1122-01	1.024	7.218	582.0
507	.20000	.20000	344.00	.1947	.2793	.2793	.9500	.8848-02	.1269-01	1.036	7.460	591.6
507	.20000	.40000	345.00	.1804	.2538	.2538	.9500	.8196-02	.1153-01	1.004	6.995	586.2
507	.20000	.60000	346.00	.1040	.1370	.1370	.9500	.4725-02	.6226-02	.6945	4.947	561.7
507	.20000	.80000	347.00	.2535-01	.3177-01	.3177-01	.9500	.1152-02	.1444-02	.2018	1.435	533.5
507	.30000	.50000-01	348.00	.1411	.2010	.2010	.9500	.6412-02	.9133-02	.7626	5.591	589.7
507	.30000	.20000	349.00	.1795	.2586	.2586	.9500	.8157-02	.1175-01	.9451	6.629	592.8
507	.30000	.40000	350.00	.1692	.2399	.2399	.9500	.7687-02	.1090-01	.9245	6.498	588.4
507	.30000	.50000	351.00	.1676	.2344	.2344	.9500	.7617-02	.1065-01	.9468	6.501	584.4
507	.30000	.90000	352.00	.3519-01	.4478-01	.4478-01	.9500	.1599-02	.2035-02	.2646	1.966	543.2
507	.40000	.10000+00	353.00	.1597	.2186	.2186	.9500	.7259-02	.9933-02	.9554	6.864	577.1
507	.40000	.20000	354.00	.1901	.2726	.2726	.9500	.8637-02	.1239-01	1.011	6.980	591.7
507	.40000	.50000	356.00	.1546	.2182	.2182	.9500	.7024-02	.9915-02	.8536	6.042	587.2
507	.40000	.90000	358.00	.5201-01	.6725-01	.6725-01	.9500	.2363-02	.3056-02	.3696	2.752	552.3
507	.50000	.50000-01	359.00	.1247	.1807	.1807	.9500	.5665-02	.8212-02	.6470	4.932	594.5
507	.50000	.70000	360.00	.3255-01	.4156-01	.4156-01	.9500	.1479-02	.1888-02	.2419	1.924	545.1
507	.50000	.90000	361.00	.5029-01	.6538-01	.6538-01	.9500	.2285-02	.2971-02	.3507	2.466	555.2
507	.60000	.50000-01	362.00	.1274	.1835	.1835	.9500	.5789-02	.8338-02	.6710	5.031	592.8

IH102 60-OTS VERTICAL TAIL

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R -FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
507	.60000	.10000+00	363.00	.1379	.1925	.1925	.9500	.6264-02	.8747-02	.7820	5.790	583.8
507	.60000	.20000	364.00	.1587	.2191	.2191	.9500	.7213-02	.9958-02	.9272	6.695	580.1
507	.60000	.40000	365.00	.1503	.2089	.2089	.9500	.6831-02	.9493-02	.8633	5.934	582.3
507	.60000	.50000	366.00	.1077	.1471	.1471	.9500	.4894-02	.6684-02	.6474	4.505	576.4
507	.60000	.70000	367.00	.3064-01	.3919-01	.3919-01	.9500	.1392-02	.1781-02	.2263	1.799	546.1
507	.60000	.90000	368.00	.3773-01	.4908-01	.4908-01	.9500	.1714-02	.2230-02	.2627	1.939	555.5
507	.70000	.50000-01	369.00	.1110	.1611	.1611	.9500	.5043-02	.7322-02	.5743	4.536	594.8
507	.70000	.70000	370.00	.3800-01	.4896-01	.4896-01	.9500	.1727-02	.2225-02	.2734	2.207	550.4
507	.70000	.90000	371.00	.4195-01	.5479-01	.5479-01	.9500	.1906-02	.2490-02	.2881	2.199	557.5
507	.80000	.10000+00	373.00	.1242	.1771	.1771	.9500	.5645-02	.8048-02	.6700	4.979	590.0
507	.80000	.40000	374.00	.1115	.1522	.1522	.9500	.5069-02	.6918-02	.6719	4.752	576.1
507	.80000	.50000	375.00	.1026	.1388	.1388	.9500	.4663-02	.6308-02	.6335	4.280	572.8
507	.80000	.70000	376.00	.5806-01	.7564-01	.7564-01	.9500	.2638-02	.3437-02	.4022	3.181	556.2
507	.80000	.90000	377.00	.4576-01	.5972-01	.5972-01	.9500	.2079-02	.2713-02	.3152	2.405	557.1
507	.90000	.10000+00	378.00	.1292	.1883	.1883	.9500	.5870-02	.8557-02	.6623	4.638	595.8
507	.90000	.30000	379.00	.9767-01	.1318	.1318	.9500	.4438-02	.5988-02	.6075	4.376	571.8
507	.90000	.50000	380.00	.5258-01	.6714-01	.6714-01	.9500	.2389-02	.3051-02	.3904	2.717	545.3
507	.90000	.70000	381.00	.4960-01	.6505-01	.6505-01	.9500	.2254-02	.2956-02	.3361	2.412	559.5
507	.90000	.90000	382.00	.5482-01	.7295-01	.7295-01	.9500	.2491-02	.3315-02	.3553	2.627	566.1
507	.95000	.30000	383.00	.7948-01	.1074	.1074	.9500	.3611-02	.4882-02	.4917	3.450	572.5
507	.95000	.50000	384.00	.4307-01	.5740-01	.5740-01	.9500	.1957-02	.2608-02	.2777	1.942	566.8
507	.95000	.90000	385.00	.3020-01	.3951-01	.3951-01	.9500	.1372-02	.1795-02	.2063	1.383	558.3

VERT TAIL

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST COND"TIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
506	3.488	4.020	-.2068-02	-5.902	57.74	711.7	168.2	.3703	4.188	2556.	.5943-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
506	.4544-01	.1243-01

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/"3	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
506	.10000+00	.10000+00	340.00	.1771	.2413	.2413	.9500	.8047-02	.1097-01	1.076	7.480	578.0
506	.10000+00	.30000	341.00	.1227	.1643	.1643	.9500	.5578-02	.7467-02	.7845	5.653	571.0
506	.10000+00	.50000	342.00	.9567-01	.1257	.1257	.9500	.4347-02	.5713-02	.6472	4.841	562.8
506	.20000	.10000+00	343.00	.1481	.2019	.2019	.9500	.6728-02	.9175-02	.8976	6.341	578.2
506	.20000	.20000	344.00	.1339	.1795	.1795	.9500	.6084-02	.8158-02	.8513	6.194	571.7
506	.20000	.40000	345.00	.1544	.2085	.2085	.9500	.7017-02	.9476-02	.9620	6.744	574.6
506	.20000	.60000	346.00	.9833-01	.1272	.1272	.9500	.4468-02	.5779-02	.7009	5.010	554.8
506	.20000	.80000	347.00	.2455-01	.3052-01	.3052-01	.9500	.1116-02	.1387-02	.2030	1.447	529.7
506	.30000	.50000-01	348.00	.1303	.1814	.1814	.9500	.5923-02	.8241-02	.7493	5.506	585.2
506	.30000	.20000	349.00	.9625-01	.1254	.1254	.9500	.4374-02	.5698-02	.6694	4.776	558.6
506	.30000	.40000	350.00	.1233	.1643	.1643	.9500	.5604-02	.7464-02	.8005	5.681	568.8
506	.30000	.50000	351.00	.1126	.1492	.1492	.9500	.5115-02	.6780-02	.7410	5.132	566.8
506	.30000	.90000	352.00	.2521-01	.3154-01	.3154-01	.9500	.1146-02	.1433-02	.2032	1.517	534.3
506	.40000	.10000+00	353.00	.1200	.1590	.1590	.9500	.5451-02	.7225-02	.7898	5.703	566.8
506	.40000	.20000	354.00	.1063	.1382	.1382	.9500	.4829-02	.6279-02	.7441	5.227	557.6
506	.40000	.50000	356.00	.1203	.1598	.1598	.9500	.5467-02	.7261-02	.7875	5.629	567.6
506	.40000	.90000	358.00	.3233-01	.4081-01	.4081-01	.9500	.1469-02	.1854-02	.2515	1.884	540.4
506	.50000	.50000-01	359.00	.1282	.1810	.1810	.9500	.5824-02	.8226-02	.7098	5.423	589.8
506	.50000	.70000	360.00	.3399-01	.4257-01	.4257-01	.9500	.1545-02	.1934-02	.2728	2.180	535.1
506	.50000	.90000	361.00	.4321-01	.5475-01	.5475-01	.9500	.1963-02	.2488-02	.3315	2.346	542.9
506	.60000	.50000-01	362.00	.1264	.1776	.1776	.9500	.5742-02	.8069-02	.7083	5.323	588.3

DATE 12 DEC 79

IH102 HEAT TRANSFER TEST AEDC TUNNEL A (V41B-67)

(R4WT46)

IH102 60-OTS VERTICAL TAIL

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
506	.60000	.10000+00	363.00	.1277	.1735	.1735	.9500	.5802-02	.7884-02	.7817	5.807	576.9
506	.60000	.20000	364.00	.9686-01	.1262	.1262	.9500	.4401-02	.5735-02	.6733	4.914	558.7
506	.60000	.40000	365.00	.8803-01	.1141	.1141	.9500	.4000-02	.5184-02	.6231	4.339	555.9
506	.60000	.50000	366.00	.8794-01	.1145	.1145	.9500	.3996-02	.5203-02	.6132	4.306	558.2
506	.60000	.70000	367.00	.3755-01	.4715-01	.4715-01	.9500	.1706-02	.2143-02	.2983	2.382	536.9
506	.60000	.90000	368.00	.4574-01	.5812-01	.5812-01	.9500	.2078-02	.2641-02	.3470	2.576	544.7
506	.70000	.50000-01	369.00	.1059	.1498	.1498	.9500	.4812-02	.6807-02	.5844	4.627	590.2
506	.70000	.70000	370.00	.4061-01	.5131-01	.5131-01	.9500	.1845-02	.2331-02	.3148	2.554	541.0
506	.70000	.90000	371.00	.5200-01	.6628-01	.6628-01	.9500	.2363-02	.3012-02	.3901	2.993	546.6
506	.80000	.10000+00	373.00	.1230	.1707	.1707	.9500	.5590-02	.7757-02	.7118	5.304	584.3
506	.80000	.40000	374.00	.5821-01	.7532-01	.7532-01	.9500	.2645-02	.3423-02	.4142	2.960	555.1
506	.80000	.50000	375.00	.4882-01	.6249-01	.6249-01	.9500	.2218-02	.2840-02	.3606	2.466	549.1
506	.80000	.70000	376.00	.3188-01	.4019-01	.4019-01	.9500	.1449-02	.1826-02	.2494	1.989	539.5
506	.80000	.90000	377.00	.3260-01	.4132-01	.4132-01	.9500	.1482-02	.1877-02	.2500	1.922	542.9
506	.90000	.10000+00	378.00	.1196	.1705	.1705	.9500	.5433-02	.7748-02	.6469	4.538	592.6
506	.90000	.30000	379.00	.9319-01	.1233	.1233	.9500	.4235-02	.5602-02	.6172	4.459	565.9
506	.90000	.50000	380.00	.3651-01	.4572-01	.4572-01	.9500	.1659-02	.2078-02	.2931	2.050	535.0
506	.90000	.70000	381.00	.3265-01	.4194-01	.4194-01	.9500	.1484-02	.1906-02	.2383	1.718	551.0
506	.90000	.90000	382.00	.3070-01	.3979-01	.3979-01	.9500	.1395-02	.1808-02	.2172	1.614	555.9
506	.95000	.30000	383.00	.8011-01	.1065	.1065	.9500	.3640-02	.4839-02	.5227	3.676	568.1
506	.95000	.50000	384.00	.4007-01	.5246-01	.5246-01	.9500	.1821-02	.2384-02	.2743	1.924	561.0
506	.95000	.90000	385.00	.2651-01	.3413-01	.3413-01	.9500	.1205-02	.1551-02	.1920	1.290	552.3

IH102 60-OTS VERTICAL TAIL (R4WT49)

VERT TAIL

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
505	3.493	4.020	-.2031-02	-2.906	57.82	711.7	168.2	.3708	4.195	2556.	.5951-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
505	.4547-01	.1242-01

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
505	.10000+00	.10000+00	340.00	.1376	.1852	.1852	.9500	.6256-02	.8420-02	.8665	6.039	573.2
505	.10000+00	.30000	341.00	.1155	.1548	.1548	.9500	.5251-02	.7041-02	.7348	5.293	571.7
505	.10000+00	.50000	342.00	.8521-01	.1125	.1125	.9500	.3875-02	.5115-02	.5687	4.250	564.9
505	.20000	.10000+00	343.00	.1491	.2047	.2047	.9500	.6781-02	.9309-02	.8884	6.268	580.7
505	.20000	.20000	344.00	.1423	.1950	.1950	.9500	.6470-02	.8867-02	.8516	6.170	580.0
505	.20000	.40000	345.00	.1389	.1892	.1892	.9500	.6316-02	.8602-02	.8458	5.919	577.8
505	.20000	.60000	346.00	.7570-01	.9888-01	.9888-01	.9500	.3442-02	.4496-02	.5225	3.725	559.9
505	.20000	.80000	347.00	.2185-01	.2756-01	.2756-01	.9500	.9935-03	.1253-02	.1706	1.209	539.9
505	.30000	.50000-01	348.00	.1259	.1767	.1767	.9500	.5727-02	.8033-02	.7100	5.211	587.7
505	.30000	.20000	349.00	.1045	.1380	.1380	.9500	.4754-02	.6275-02	.6980	4.964	564.9
505	.30000	.40000	350.00	.1521	.2094	.2094	.9500	.6919-02	.9520-02	.9009	6.354	581.5
505	.30000	.50000	351.00	.1385	.1882	.1882	.9500	.6299-02	.8559-02	.8489	5.850	576.9
505	.30000	.90000	352.00	.2154-01	.2735-01	.2735-01	.9500	.9796-03	.1244-02	.1641	1.219	544.1
505	.40000	.10000+00	353.00	.1157	.1552	.1552	.9500	.5260-02	.7058-02	.7345	5.290	572.0
505	.40000	.20000	354.00	.9802-01	.1284	.1284	.9500	.4457-02	.5841-02	.6695	4.693	561.5
505	.40000	.50000	356.00	.1262	.1714	.1714	.9500	.5741-02	.7795-02	.7752	5.517	576.6
505	.40000	.90000	358.00	.2025-01	.3618-01	.3618-01	.9500	.1284-02	.1645-02	.2083	1.553	549.5
505	.50000	.50000-01	359.00	.1252	.1797	.1797	.9500	.5692-02	.8172-02	.6673	5.086	594.4
505	.50000	.70000	360.00	.3062-01	.3915-01	.3915-01	.9500	.1392-02	.1780-02	.2272	1.804	548.5
505	.50000	.90000	361.00	.3865-01	.4989-01	.4989-01	.9500	.1757-02	.2269-02	.2774	1.953	553.8
505	.60000	.50000-01	362.00	.1187	.1692	.1692	.9500	.5396-02	.7696-02	.6426	4.819	592.6

IH102 60-OTS VERTICAL TAIL

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
505	.60000	.10000+00	363.00	.1157	.1596	.1596	.9500	.5261-02	.7259-02	.6803	5.040	582.4
505	.60000	.20000	354.00	.8361-01	.1107	.1107	.9500	.3802-02	.5032-02	.5534	4.024	566.1
505	.60000	.40000	365.00	.5126-01	.6638-01	.6638-01	.9500	.2331-02	.3019-02	.3642	2.537	555.4
505	.60000	.50000	366.00	.5484-01	.7125-01	.7125-01	.9500	.2494-02	.3240-02	.3852	2.706	557.2
505	.60000	.70000	367.00	.2940-01	.3762-01	.3762-01	.9500	.1337-02	.1711-02	.2177	1.728	548.8
505	.60000	.90000	368.00	.3957-01	.5119-01	.5119-01	.9500	.1799-02	.2328-02	.2821	2.083	554.9
505	.70000	.50000-01	369.00	.9571-01	.1376	.1376	.9500	.4352-02	.6258-02	.5084	4.015	594.9
505	.70000	.70000	370.00	.1876-01	.2398-01	.2398-01	.9500	.8529-03	.1090-02	.1394	1.127	548.2
505	.70000	.90000	371.00	.2570-01	.3321-01	.3321-01	.9500	.1169-02	.1510-02	.1839	1.406	554.3
505	.80000	.10000+00	373.00	.1047	.1469	.1469	.9500	.4761-02	.6680-02	.5696	4.386	587.8
505	.80000	.40000	374.00	.4867-01	.6382-01	.6382-01	.9500	.2213-02	.2902-02	.3316	2.362	561.8
505	.80000	.50000	375.00	.3831-01	.4988-01	.4988-01	.9500	.1742-02	.2268-02	.2671	1.818	558.3
505	.80000	.70000	376.00	.2343-01	.3007-01	.3007-01	.9500	.1065-02	.1367-02	.1716	1.361	550.6
505	.80000	.90000	377.00	.2244-01	.2894-01	.2894-01	.9500	.1020-02	.1316-02	.1616	1.235	553.3
505	.90000	.10000+00	378.00	.9796-01	.1434	.1434	.9500	.4455-02	.6520-02	.5004	3.498	599.3
505	.90000	.30000	379.00	.7518-01	.1010	.1010	.9500	.3419-02	.4593-02	.4758	3.426	572.5
505	.90000	.50000	380.00	.3589-01	.4580-01	.4580-01	.9500	.1632-02	.2083-02	.2683	1.865	547.2
505	.90000	.70000	381.00	.1975-01	.2580-01	.2580-01	.9500	.8980-03	.1173-02	.1362	.9772	560.0
505	.90000	.90000	382.00	.1608-01	.2114-01	.2114-01	.9500	.7314-03	.9612-03	.1089	.8063	562.8
505	.95000	.30000	383.00	.7077-01	.9599-01	.9599-01	.9500	.3218-02	.4365-02	.4358	3.052	576.3
505	.95000	.50000	384.00	.2899-01	.3860-01	.3860-01	.9500	.1318-02	.1755-02	.1885	1.317	568.7
505	.95000	.90000	385.00	.1817-01	.2379-01	.2379-01	.9500	.8264-03	.1082-02	.1246	.8338	560.9

VERT TAIL

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
512	1.023	4.020	-.4000-02	.1396-05	16.93	711.7	168.2	.1086	1.228	2556.	.1743-02	.1353-08

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
512	.2461-01	.2296-01

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
512	.10000+00	.10000+00	340.00	.1384	.1774	.1774	.9500	.3405-02	.4366-02	.5505	3.882	550.0
512	.10000+00	.30000	341.00	.7392-01	.9413-01	.9413-01	.9500	.1819-02	.2316-02	.3015	2.200	545.9
512	.10000+00	.50000	342.00	.5811-01	.7347-01	.7347-01	.9500	.1430-02	.1808-02	.2433	1.840	541.5
512	.20000	.10000+00	343.00	.1248	.1604	.1604	.9500	.3071-02	.3948-02	.4917	3.520	551.5
512	.20000	.20000	344.00	.4767-01	.6071-01	.6071-01	.9500	.1173-02	.1494-02	.1943	1.432	546.0
512	.20000	.40000	345.00	.9614-01	.1230	.1230	.9500	.2366-02	.3027-02	.3854	2.737	548.8
512	.20000	.60000	346.00	.5443-01	.6888-01	.6888-01	.9500	.1339-02	.1695-02	.2271	1.634	542.1
512	.20000	.80000	347.00	.4887-02	.6110-02	.6110-02	.9500	.1203-03	.1504-03	.2137-01	.1519	534.0
512	.30000	.50000-01	348.00	.1601	.2098	.2098	.9500	.3941-02	.5163-02	.5925	4.406	561.3
512	.30000	.20000	349.00	.5025-01	.6405-01	.6405-01	.9500	.1237-02	.1576-02	.2042	1.466	546.5
512	.30000	.40000	350.00	.7429-01	.9527-01	.9527-01	.9500	.1828-02	.2345-02	.2954	2.117	550.1
512	.30000	.50000	351.00	.9944-01	.1276	.1276	.9500	.2447-02	.3140-02	.3946	2.756	550.4
512	.30000	.90000	352.00	.1103-01	.1385-01	.1385-01	.9500	.2714-03	.3407-03	.4743-01	.3535	536.9
512	.40000	.10000+00	353.00	.1263	.1630	.1630	.9500	.3108-02	.4012-02	.4912	3.570	553.7
512	.40000	.20000	354.00	.6875-01	.8798-01	.8798-01	.9500	.1692-02	.2165-02	.2754	1.943	548.9
512	.40000	.50000	356.00	.3498-01	.4466-01	.4466-01	.9500	.8609-03	.1099-02	.1414	1.021	547.5
512	.40000	.90000	358.00	.1704-01	.2148-01	.2148-01	.9500	.4193-03	.5285-03	.7226-01	.5415	539.3
512	.50000	.50000-01	359.00	.1476	.1979	.1979	.9500	.3632-02	.4869-02	.5085	3.920	571.7
512	.50000	.90000	361.00	.4281-02	.5390-02	.5390-02	.9500	.1053-03	.1326-03	.1821-01	.1291	538.8
512	.60000	.50000-01	362.00	.1421	.1912	.1912	.9500	.3497-02	.4706-02	.4844	3.667	573.2
512	.60000	.10000+00	363.00	.1311	.1727	.1727	.9500	.3226-02	.4251-02	.4763	3.561	564.0

IH102 60-OTS VERTICAL TAIL (R4WT50)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
512	.60000	.20000	364.00	.7694-01	.9866-01	.9816-01	.9500	.1893-02	.2428-02	.3061	2.244	550.0
512	.60000	.40000	365.00	.1091-01	.1381-01	.1381-01	.9500	.2685-03	.3400-03	.4547-01	.3188	542.3
512	.70000	.50000-01	369.00	.1177	.1594	.1594	.9500	.2897-02	.3923-02	.3944	3.145	575.5
512	.80000	.10000+00	373.00	.1274	.1704	.1704	.9500	.3135-02	.4194-02	.4418	3.315	570.7
512	.80000	.40000	374.00	.3987-01	.5082-01	.5082-01	.9500	.9811-03	.1251-02	.1621	1.163	546.5
512	.80000	.50000	375.00	.2959-01	.3755-01	.3755-01	.9500	.7282-03	.9239-03	.1223	.8386	543.7
512	.80000	.70000	376.00	.9129-02	.1150-01	.1150-01	.9500	.2246-03	.2829-03	.3881-01	.3096	538.9
512	.90000	.10000+00	378.00	.1382	.1881	.1881	.9500	.3401-02	.4629-02	.4561	3.223	577.6
512	.90000	.30000	379.00	.8674-01	.1121	.1121	.9500	.2134-02	.2758-02	.3359	2.441	554.3
512	.90000	.50000	380.00	.2797-01	.3518-01	.3518-01	.9500	.6884-03	.8657-03	.1196	.8352	537.9
512	.90000	.70000	381.00	.2310-01	.2925-01	.2925-01	.9500	.5686-03	.7198-03	.9628-01	.6970	542.3
512	.90000	.90000	382.00	.4908-02	.6226-02	.6226-02	.9500	.1208-03	.1532-03	.2031-01	.1519	543.5
512	.95000	.30000	383.00	.8138-01	.1057	.1057	.9500	.2003-02	.2601-02	.3099	2.192	556.9
512	.95000	.50000	384.00	.3097-01	.3972-01	.3972-01	.9500	.7622-03	.9773-03	.1232	.8686	550.0
512	.95000	.90000	385.00	.7356-02	.9362-02	.9362-02	.9500	.1810-03	.2304-03	.3007-01	.2028	545.6

VERT TAIL

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
444	3.514	4.020	.2000-02	.0000	57.91	709.7	167.7	.3714	4.201	2552.	.5978-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
444	.4549-01	.1239-01

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
444	.10000+00	.10000+00	340.00	.1060	.1439	.1439	.9500	.4821-02	.6544-02	.6496	4.524	574.9
444	.10000+00	.30000	341.00	.8988-01	.1238	.1238	.9500	.4089-02	.5631-02	.5297	3.800	580.1
444	.10000+00	.50000	342.00	.7193-01	.9610-01	.9610-01	.9500	.3272-02	.4371-02	.4617	3.444	568.6
444	.20000	.10000+00	343.00	.1208	.1627	.1627	.9500	.5494-02	.7403-02	.7563	5.360	572.0
444	.20000	.20000	344.00	.9639-01	.1306	.1306	.9500	.4385-02	.5941-02	.5940	4.316	574.2
444	.20000	.40000	345.00	.1151	.1580	.1580	.9500	.5236-02	.7188-02	.6839	4.783	579.0
444	.20000	.60000	346.00	.6985-01	.9203-01	.9203-01	.9500	.3177-02	.4186-02	.4678	3.331	562.4
444	.20000	.80000	347.00	.1354-01	.1720-01	.1720-01	.9500	.6159-03	.7826-03	.1026	.7261	543.1
444	.30000	.50000-01	348.00	.1162	.1603	.1603	.9500	.5286-02	.7290-02	.6823	5.026	580.6
444	.30000	.20000	349.00	.8953-01	.1196	.1196	.9500	.4072-02	.5441-02	.5744	4.078	568.6
444	.30000	.40000	350.00	.1147	.1585	.1585	.9500	.5217-02	.7208-02	.6701	4.727	581.2
444	.30000	.50000	351.00	.1126	.1539	.1539	.9500	.5123-02	.7001-02	.6776	4.668	577.4
444	.30000	.90000	352.00	.1476-01	.1880-01	.1880-01	.9500	.6713-03	.8554-03	.1107	.8214	544.8
444	.40000	.10000+00	353.00	.9703-01	.1296	.1296	.9500	.4413-02	.5895-02	.6231	4.496	568.5
444	.40000	.20000	354.00	.7762-01	.1025	.1025	.9500	.3531-02	.4661-02	.5165	3.617	563.4
444	.40000	.50000	356.00	.8819-01	.1208	.1208	.9500	.4012-02	.5493-02	.5278	3.753	578.1
444	.40000	.90000	358.00	.2304-01	.2961-01	.2961-01	.9500	.1048-02	.1347-02	.1677	1.250	549.7
444	.50000	.50000-01	359.00	.1077	.1525	.1525	.9500	.4900-02	.6936-02	.5923	4.527	588.8
444	.50000	.70000	360.00	.2478-01	.3182-01	.3182-01	.9500	.1127-02	.1448-02	.1807	1.434	549.4
444	.50000	.90000	361.00	.3207-01	.4158-01	.4158-01	.9500	.1459-02	.1891-02	.2265	1.593	554.5
444	.60000	.50000-01	362.00	.1024	.1447	.1447	.9500	.4656-02	.6582-02	.5646	4.243	588.4

IH102 60-OTS VERTICAL TAIL (R4WT50)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
444	.60000	.10000+00	363.00	.9431-01	.1292	.1292	.9500	.4290-02	.5879-02	.5632	4.181	578.4
444	.60000	.20000	364.00	.5870-01	.7718-01	.7718-01	.9500	.2670-02	.3511-02	.3957	2.884	561.5
444	.60000	.40000	365.00	.3524-01	.4579-01	.4579-01	.9500	.1603-02	.2083-02	.2471	1.721	555.6
444	.60000	.50000	366.00	.3532-01	.4635-01	.4635-01	.9500	.1606-02	.2108-02	.2394	1.679	560.7
444	.60000	.70000	367.00	.2339-01	.3001-01	.3001-01	.9500	.1064-02	.1365-02	.1709	1.357	549.0
444	.60000	.90000	368.00	.3063-01	.3988-01	.3988-01	.9500	.1393-02	.1814-02	.2130	1.572	556.8
444	.70000	.50000-01	369.00	.8359-01	.1189	.1189	.9500	.3802-02	.5408-02	.4544	3.598	590.2
444	.70000	.70000	370.00	.1707-01	.2174-01	.2174-01	.9500	.7765-03	.9890-03	.1282	1.038	544.6
444	.70000	.90000	371.00	.2371-01	.3071-01	.3071-01	.9500	.1079-02	.1397-02	.1680	1.284	554.0
444	.80000	.10000+00	373.00	.9293-01	.1304	.1304	.9500	.4227-02	.5931-02	.5221	3.887	586.2
444	.80000	.40000	374.00	.3900-01	.5081-01	.5081-01	.9500	.1774-02	.2311-02	.2709	1.934	557.0
444	.80000	.50000	375.00	.2841-01	.3670-01	.3670-01	.9500	.1292-02	.1670-02	.2029	1.385	552.6
444	.80000	.70000	376.00	.1188-01	.1515-01	.1515-01	.9500	.5405-03	.6890-03	.8899-01	.7077	545.0
444	.80000	.90000	377.00	.6286-02	.8002-02	.8002-02	.9500	.2859-03	.3640-03	.4730-01	.3634	544.2
444	.90000	.10000+00	378.00	.1002	.1439	.1439	.9500	.4560-02	.6543-02	.5337	3.743	592.6
444	.90000	.30000	379.00	.6388-01	.8490-01	.8490-01	.9500	.2906-02	.3862-02	.4165	3.008	566.4
444	.90000	.50000	380.00	.2814-01	.3596-01	.3596-01	.9500	.1280-02	.1635-02	.2088	1.452	546.5
444	.90000	.70000	381.00	.1848-01	.2360-01	.2360-01	.9500	.8408-03	.1073-02	.1377	.9950	545.9
444	.90000	.90000	382.00	.6350-02	.8128-02	.8128-02	.9500	.2889-03	.3697-03	.4686-01	.3497	547.4
444	.95000	.30000	383.00	.5918-01	.7880-01	.7880-01	.9500	.2692-02	.3584-02	.3837	2.699	567.1
444	.95000	.50000	384 00	.2897-01	.3767-01	.3767-01	.9500	.1318-02	.1713-02	.2025	1.423	556.0
444	.95000	.90000	385.00	.9068-02	.1168-01	.1168-01	.9500	.4125-03	.5315-03	.6536-01	.4397	551.2

IH102 60-0TS VERTICAL TAIL (R4WT51)

VERT TAIL

PARAMETRIC DATA

MACH = 4.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
447	3.517	4.020	5.042	-.5273-02	57.96	709.7	167.7	.3717	4.205	2552.	.5983-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
447	.4550-01	.1239-01

TEST DATA

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
447	.10000+00	.10000+00	340.00	.9881-01	.1318	.1318	.9500	.4496-02	.5999-02	.6369	4.450	568.0
447	.10000+00	.30000	341.00	.8132-01	.1094	.1094	.9500	.3700-02	.4979-02	.5113	3.684	571.5
447	.10000+00	.50000	342.00	.5698-01	.7424-01	.7424-01	.9500	.2593-02	.3378-02	.3958	2.969	557.0
447	.20000	.10000+00	343.00	.8651-01	.1149	.1149	.9500	.3937-02	.5228-02	.5655	4.020	566.0
447	.20000	.20000	344.00	.6678-01	.8766-01	.8766-01	.9500	.3039-02	.3989-02	.4527	3.312	560.7
447	.20000	.40000	345.00	.9018-01	.1193	.1193	.9500	.4104-02	.5429-02	.5965	4.203	564.3
447	.20000	.60000	346.00	.4214-01	.5387-01	.5387-01	.9500	.1918-02	.2451-02	.3127	2.244	546.6
447	.30000	.50000-01	348.00	.9882-01	.1345	.1345	.9500	.4497-02	.6119-02	.6018	4.443	575.8
447	.30000	.20000	349.00	.6832-01	.8925-01	.8925-01	.9500	.3109-02	.4061-02	.4704	3.356	558.4
447	.30000	.40000	350.00	.8354-01	.1115	.1115	.9500	.3801-02	.5074-02	.5377	3.818	568.2
447	.30000	.50000	351.00	.7163-01	.9817-01	.9817-01	.9500	.3396-02	.4467-02	.5026	3.490	561.7
447	.30000	.90000	352.00	.3053-02	.3866-02	.3866-02	.9500	.1389-03	.1759-03	.2346-01	.1745	540.8
447	.40000	.10000+00	353.00	.8388-01	.1111	.1111	.9500	.3817-02	.5055-02	.5530	3.997	564.8
447	.40000	.20000	354.00	.6321-01	.8239-01	.8239-01	.9500	.2876-02	.3749-02	.4382	3.079	557.3
447	.40000	.50000	356.00	.6425-01	.8489-01	.8489-01	.9500	.2924-02	.3863-02	.4268	3.056	563.7
447	.40000	.90000	358.00	.1180-01	.1508-01	.1508-01	.9500	.5371-03	.6862-03	.8775-01	.6553	546.3
447	.50000	.50000-01	359.00	.1013	.1417	.1417	.9500	.4609-02	.6448-02	.5735	4.392	585.2
447	.50000	.70000	360.00	.1717-01	.2174-01	.2174-01	.9500	.7812-03	.9892-03	.1318	1.051	540.9
447	.50000	.90000	361.00	.1697-01	.2182-01	.2182-01	.9500	.7722-03	.9929-03	.1233	.8692	550.0
447	.60000	.50000-01	362.00	.9931-01	.1393	.1393	.9500	.4519-02	.6340-02	.5584	4.200	586.1
447	.60000	.10000+00	363.00	.9268-01	.1265	.1265	.9500	.4217-02	.5757-02	.5596	4.157	577.0

IH102 60-OTS VERTICAL TAIL (R4WT51)

RUN NUMBER	ZV/BV	XV/CV	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
447	.60000	.20000	364.00	.6216-01	.8193-01	.8193-01	.9500	.2829-02	.3728-02	.4160	3.030	562.6
447	.60000	.40000	365.00	.1934-01	.2490-01	.2490-01	.9500	.8800-03	.1133-02	.1399	.9766	550.7
447	.60000	.50000	366.00	.1292-01	.1647-01	.1647-01	.9500	.5879-03	.7495-03	.9676-01	.6839	545.1
447	.60000	.70000	367.00	.8575-02	.1077-01	.1077-01	.9500	.3902-03	.4900-03	.6796-01	.5431	535.5
447	.60000	.90000	368.00	.3924-02	.5014-02	.5014-02	.9500	.1785-03	.2281-03	.2914-01	.2161	546.5
447	.70000	.50000-01	369.00	.8331-01	.1178	.1178	.9500	.3791-02	.5358-02	.4598	3.643	588.4
447	.70000	.70000	370.00	.7386-02	.9299-02	.9299-02	.9500	.3361-03	.4231-03	.5796-01	.4712	537.2
447	.80000	.10000+00	373.00	.8218-01	.1138	.1138	.9500	.3740-02	.5180-02	.4773	3.561	582.0
447	.80000	.40000	374.00	.2934-01	.3830-01	.3830-01	.9500	.1335-02	.1743-02	.2026	1.446	557.9
447	.80000	.50000	375.00	.2296-01	.2970-01	.2970-01	.9500	.1045-02	.1351-02	.1636	1.116	553.1
447	.80000	.70000	376.00	.1180-01	.1502-01	.1502-01	.9500	.5369-03	.6833-03	.8896-01	.7079	544.0
447	.80000	.90000	377.00	.3153-02	.4006-02	.4006-02	.9500	.1435-03	.1823-03	.2392-01	.1838	543.0
447	.90000	.10000+00	378.00	.8821-01	.1244	.1244	.9500	.4014-02	.5660-02	.4899	3.445	587.6
447	.90000	.30000	379.00	.4719-01	.6224-01	.6224-01	.9500	.2147-02	.2832-02	.3152	2.280	562.9
447	.90000	.50000	380.00	.1754-01	.2217-01	.2217-01	.9500	.7983-03	.1009-02	.1358	.9476	539.6
447	.90000	.70000	381.00	.1688-01	.2155-01	.2155-01	.9500	.7681-03	.9808-03	.1256	.9078	546.1
447	.90000	.90000	382.00	.5066-02	.6498-02	.6498-02	.9500	.2305-03	.2957-03	.3712-01	.2769	548.6
447	.95000	.30000	383.00	.4339-01	.5725-01	.5725-01	.9500	.1975-02	.2605-02	.2895	2.041	563.1
447	.95000	.50000	384.00	.1872-01	.2421-01	.2421-01	.9500	.8518-03	.1102-02	.1333	.9381	553.2
447	.95000	.90000	385.00	.3674-02	.4736-02	.4736-02	.9500	.1672-03	.2155-03	.2645-01	.1779	551.5

WINDOWS

PARAMETRIC DATA

MACH = 3.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
548	3.516	3.010	-40.08	-.2464-02	33.95	709.7	252.4	.9105	5.775	2344.	.9738-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
548	.5329-01	.9702-02

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
548	1.0000	191.00	.36248	.5315	.5315	.9500	.1932-01	.2833-01	2.155	15.08	598.1
548	1.0000	192.00	.23571	.3359	.3359	.9500	.1256-01	.1790-01	1.494	10.49	590.7
548	1.0000	193.00	.28823	.4111	.4111	.9500	.1536-01	.2191-01	1.824	13.23	590.9
548	1.0000	194.00	.29094	.4206	.4206	.9500	.1550-01	.2242-01	1.784	13.84	594.6
548	1.0000	195.00	.19376	.2721	.2721	.9500	.1033-01	.1450-01	1.273	9.253	586.4
548	2.0000	196.00	.33537	.4769	.4769	.9500	.1787-01	.2541-01	2.137	15.51	590.1
548	2.0000	197.00	.22019	.3035	.3035	.9500	.1173-01	.1617-01	1.517	11.06	580.4
548	2.0000	198.00	.16422	.2310	.2310	.9500	.8752-02	.1231-01	1.075	7.812	586.9
548	2.0000	199.00	.16762	.2236	.2236	.9500	.8943-02	.1192-01	1.271	9.330	567.5
548	2.0000	200.00	.14418	.1997	.1997	.9500	.7683-02	.1064-01	.9803	7.388	582.1
548	3.0000	201.00	.11727	.1524	.1524	.9500	.6249-02	.8124-02	.9611	7.340	555.9

WINDOWS

PARAMETRIC DATA

MACH = 3.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
530	3.504	3.010	-14.45	.0000	33.84	709.7	252.4	.9075	5.756	2344.	.9706-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
530	.5320-01	.9718-02

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
530	1.0000	191.00	.52496	1.157	1.157	.9500	.2793-01	.6153-01	1.815	12.41	644.7
530	1.0000	192.00	.45976	.8731	.8731	.9500	.2446-01	.4643-01	1.833	12.60	634.7
530	1.0000	193.00	.51779	1.059	1.059	.9500	.2755-01	.5632-01	1.913	13.55	640.2
530	1.0000	194.00	.42814	.8706	.8706	.9500	.2278-01	.4632-01	1.590	12.07	639.9
530	1.0000	195.00	.36917	.6382	.6382	.9500	.1964-01	.3395-01	1.653	11.79	625.5
530	2.0000	196.00	.43010	.7916	.7916	.9500	.2288-01	.4212-01	1.778	12.64	632.0
530	2.0000	197.00	.33729	.5425	.5425	.9500	.1794-01	.2886-01	1.683	12.06	615.9
530	2.0000	198.00	.38465	.6670	.6670	.9500	.2046-01	.3549-01	1.715	12.23	625.8
530	2.0000	199.00	.25071	.3647	.3647	.9500	.1334-01	.1940-01	1.515	10.96	596.1
530	2.0000	200.00	.26744	.4217	.4217	.9500	.1423-01	.2244-01	1.380	10.25	612.7
530	3.0000	201.00	.18157	.2487	.2487	.9500	.9660-02	.1323-01	1.269	9.586	578.3

WINDOWS

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
527	3.499	3.010	.5111-02	-14.34	33.79	709.7	252.4	.9062	5.747	2344.	.9692-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
527	.5316-01	.9725-02

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
527	1.0000	191.00	.35505	.5688	.5688	.9500	.1888-01	.3024-01	1.782	12.36	615.2
527	1.0000	192.00	.37387	.6068	.6068	.9500	.1988-01	.3226-01	1.838	12.73	617.2
527	1.0000	193.00	.44102	.7814	.7814	.9500	.2345-01	.4154-01	1.910	13.60	628.2
527	1.0000	194.00	.36992	.6892	.6892	.9500	.1967-01	.3664-01	1.506	11.47	633.1
527	1.0000	195.00	.33523	.5348	.5348	.9500	.1782-01	.2843-01	1.695	12.15	614.6
527	2.0000	196.00	.39562	.7298	.7298	.9500	.2103-01	.3880-01	1.630	11.59	632.2
527	2.0000	197.00	.32478	.5039	.5039	.9500	.1727-01	.2679-01	1.724	12.39	609.8
527	2.0000	198.00	.39494	.6687	.6687	.9500	.2100-01	.3555-01	1.820	13.00	623.0
527	2.0000	199.00	.25785	.3691	.3691	.9500	.1371-01	.1962-01	1.614	11.70	591.9
527	2.0000	200.00	.29606	.4858	.4858	.9500	.1574-01	.2583-01	1.430	10.59	618.8
527	3.0000	201.00	.22498	.3199	.3199	.9500	.1196-01	.1701-01	1.430	10.74	590.1

WINDOWS

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
533	1.065	3.010	.2400-01	.1676-04	9.993	695.7	247.4	.2680	1.700	2321.	.2924-02	.1981-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
533	.2881-01	.1766-01

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
533	1.0000	191.00	.23335	.3124	.3124	.9500	.6723-02	.9000-02	.9241	6.594	558.2
533	1.0000	192.00	.24811	.3356	.3356	.9500	.7148-02	.9669-02	.9536	6.790	562.3
533	1.0000	193.00	.31399	.4426	.4426	.9500	.9046-02	.1275-01	1.083	7.916	575.9
533	1.0000	194.00	.26919	.3808	.3808	.9500	.7755-02	.1097-01	.9202	7.202	577.0
533	1.0000	195.00	.22671	.3062	.3062	.9500	.6531-02	.8821-02	.8752	6.442	561.7
533	2.0000	196.00	.28699	.4031	.4031	.9500	.8268-02	.1161-01	.9987	7.303	574.9
533	2.0000	197.00	.21700	.2903	.2903	.9500	.6251-02	.8362-02	.8615	6.353	557.9
533	2.0000	198.00	.25652	.3505	.3505	.9500	.7390-02	.1010-01	.9584	7.039	566.0
533	2.0000	199.00	.16891	.2213	.2213	.9500	.4866-02	.6377-02	.7145	5.293	548.8
533	2.0000	200.00	.18898	.2542	.2542	.9500	.5444-02	.7324-02	.7379	5.623	560.1
533	3.0000	201.00	.11320	.1459	.1459	.9500	.3261-02	.4204-02	.5059	3.893	540.6

IH102 60-0 WINDOWS (R4WW24)

WINDOWS

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
524	3.503	3.010	.5400-01	.1885-04	33.83	709.7	252.4	.9074	5.755	2344.	.9704-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
524	.5320-01	.9719-02

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
524	1.0000	191.00	.26363	.4714	.4714	.9500	.1402-01	.2508-01	1.129	7.779	629.2
524	1.0000	192.00	.34373	.6579	.6579	.9500	.1829-01	.3500-01	1.359	9.335	635.4
524	1.0000	193.00	.36890	.7705	.7705	.9500	.1962-01	.4099-01	1.336	9.455	641.6
524	1.0000	194.00	.25644	.5034	.5034	.9500	.1364-01	.2678-01	.9868	7.498	637.3
524	2.0000	196.00	.26531	.4830	.4830	.9500	.1411-01	.2570-01	1.111	7.904	630.9
524	2.0000	197.00	.25651	.4110	.4110	.9500	.1365-01	.2186-01	1.288	9.234	615.3
524	2.0000	198.00	.25502	.4346	.4346	.9500	.1357-01	.2312-01	1.165	8.316	623.8
524	2.0000	199.00	.18869	.2740	.2740	.9500	.1004-01	.1458-01	1.144	8.277	595.7
524	2.0000	200.00	.18102	.2786	.2786	.9500	.9630-02	.1482-01	.9758	7.261	608.3
524	3.0000	201.00	.13755	.1878	.1878	.9500	.7317-02	.9991-02	.9704	7.333	577.1

IH102 60-0 WINDOWS

WINDOWS

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
555	2.007	4.020	-40.06	.0000	33.02	708.7	167.5	.2117	2.395	2550.	.3413-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
555	.3434-01	.1640-01

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
555	1.0000	191.00	.43511	.5873	.5873	.9500	.1494-01	.2017-01	2.043	14.48	571.9
555	1.0000	192.00	.28702	.3716	.3716	.9500	.9855-02	.1276-01	1.534	10.97	553.0
555	1.0000	193.00	.34839	.4536	.4536	.9500	.1196-01	.1557-01	1.828	13.49	555.9
555	1.0000	194.00	.34546	.4590	.4590	.9500	.1186-01	.1576-01	1.699	13.38	565.4
555	1.0000	195.00	.23549	.3028	.3028	.9500	.8086-02	.1040-01	1.289	9.546	549.3
555	2.0000	196.00	.38037	.4979	.4979	.9500	.1306-01	.1710-01	1.960	14.45	558.6
555	2.0000	197.00	.24762	.3158	.3158	.9500	.8502-02	.1084-01	1.395	10.36	544.6
555	2.0000	198.00	.26140	.3357	.3357	.9500	.8975-02	.1153-01	1.437	10.65	548.5
555	2.0000	199.00	.15672	.1977	.1977	.9500	.5381-02	.6787-02	.9207	6.859	537.6
555	2.0000	200.00	.18028	.2304	.2304	.9500	.6190-02	.7913-02	1.008	7.734	545.9
555	3.0000	201.00	.87530-01	.1088	.1088	.9500	.3005-02	.3736-02	.5447	4.220	527.4

WINDOWS

PARAMETRIC DATA

MACH = 4.000 ALPHA = -40.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDIT ONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
552	3.511	4.020	-40.07	.0000	57.87	709.7	167.7	.3711	4.199	2552.	.5974-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
552	.4547-01	.1240-01

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
552	1.0000	191.00	.35321	.4897	.4897	.9500	.1606-01	.2227-01	2.045	14.42	582.4
552	1.0000	192.00	.22599	.3059	.3059	.9500	.1028-01	.1391-01	1.396	9.883	573.8
552	1.0000	193.00	.26287	.3565	.3565	.9500	.1195-01	.1621-01	1.615	11.81	574.6
552	1.0000	194.00	.29187	.4003	.4003	.9500	.1327-01	.1820-01	1.738	13.59	578.7
552	1.0000	195.00	.19701	.2640	.2640	.9500	.8958-02	.1201-01	1.252	9.180	569.9
552	2.0000	196.00	.30238	.4095	.4095	.9500	.1375-01	.1862-01	1.865	13.65	574.0
552	2.0000	197.00	.19378	.2570	.2570	.9500	.8811-02	.1169-01	1.270	9.332	565.5
552	2.0000	198.00	.16682	.2224	.2224	.9500	.7586-02	.1011-01	1.077	7.906	567.6
552	2.0000	199.00	.15173	.1971	.1971	.9500	.6899-02	.8962-02	1.064	7.853	555.5
552	2.0000	200.00	.16672	.2197	.2197	.9500	.7581-02	.9992-02	1.115	8.485	562.6
552	3.0000	201.00	.93563-01	.1191	.1191	.9500	.4254-02	.5416-02	.7038	5.406	544.2

IH102 60-0 WINDOWS

WINDOWS

PARAMETRIC DATA

MACH = 4.000 ALPHA = -15.00 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
542	3.521	4.020	-14.32	.0000	57.91	708.7	167.5	.3714	4.201	2550.	.5986-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
542	.4548-01	.1238-01

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
542	1.0000	191.00	.48837	.8317	.8317	.9500	.2221-01	.3782-01	1.906	13.18	622.8
542	1.0000	192.00	.51998	.9043	.9043	.9500	.2365-01	.4112-01	1.972	13.61	625.3
542	1.0000	193.00	.57509	1.023	1.023	.9500	.2615-01	.4651-01	2.117	15.08	627.7
542	1.0000	194.00	.43675	.7491	.7491	.9500	.1986-01	.3406-01	1.688	12.91	623.7
542	1.0000	195.00	.40781	.6537	.6537	.9500	.1855-01	.2973-01	1.747	12.53	614.5
542	2.0000	196.00	.43762	.7024	.7024	.9500	.1990-01	.3194-01	1.871	13.41	614.7
542	2.0000	197.00	.35443	.5336	.5336	.9500	.1612-01	.2427-01	1.701	12.26	603.1
542	2.0000	198.00	.40689	.6405	.6405	.9500	.1850-01	.2913-01	1.798	12.91	611.5
542	2.0000	199.00	.25172	.3504	.3504	.9500	.1145-01	.1594-01	1.440	10.49	582.9
542	2.0000	200.00	.27097	.3954	.3954	.9500	.1232-01	.1798-01	1.388	10.39	596.0
542	3.0000	201.00	.17602	.2349	.2349	.9500	.8004-02	.1068-01	1.132	8.593	567.3

WINDOWS

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
539	3.509	4.020	-.5113-02	-14.34	57.83	709.7	167.7	.3709	4.195	2552.	.5969-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
539	.4545-01	.1240-01

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
539	1.0000	191.00	.33075	.4813	.4813	.9500	.1503-01	.2188-01	1.705	11.94	596.2
539	1.0000	192.00	.38704	.5849	.5849	.9500	.1759-01	.2659-01	1.846	12.87	604.8
539	1.0000	193.00	.46506	.7484	.7484	.9500	.2114-01	.3402-01	1.981	14.20	615.9
539	1.0000	194.00	.33180	.5259	.5259	.9500	.1508-01	.2391-01	1.450	11.14	613.5
539	1.0000	195.00	.35216	.5254	.5254	.9500	.1601-01	.2388-01	1.723	12.43	602.1
539	2.0000	196.00	.35667	.5587	.5587	.9500	.1621-01	.2540-01	1.591	11.42	611.5
539	2.0000	197.00	.33830	.4939	.4939	.9500	.1538-01	.2245-01	1.732	12.53	597.0
539	2.0000	198.00	.40804	.6285	.6285	.9500	.1855-01	.2857-01	1.876	13.50	608.5
539	2.0000	199.00	.26592	.3648	.3648	.9500	.1209-01	.1658-01	1.582	11.54	578.8
539	2.0000	200.00	.28349	.4262	.4262	.9500	.1289-01	.1937-01	1.365	10.18	603.7
539	3.0000	201.00	.20750	.2778	.2778	.9500	.9432-02	.1263-01	1.322	10.03	569.5

WINDOWS

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
545	1.047	4.010	-.3400-01	-.1187-04	17.13	708.7	168.1	.1113	1.253	2549.	.1788-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
545	.2484-01	.2265-01

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
545	1.0000	191.00	.22581	.2864	.2864	.9500	.5609-02	.7113-02	.9398	6.764	541.1
545	1.0000	192.00	.20908	.2720	.2720	.9500	.5193-02	.6755-02	.7957	5.686	555.4
545	1.0000	193.00	.24167	.3195	.3195	.9500	.6003-02	.7935-02	.8732	6.423	563.2
545	1.0000	194.00	.29503	.3817	.3817	.9500	.7328-02	.9481-02	1.143	9.059	552.6
545	1.0000	195.00	.19727	.2559	.2559	.9500	.4900-02	.6356-02	.7576	5.597	554.1
545	2.0000	196.00	.34073	.4404	.4404	.9500	.8463-02	.1094-01	1.325	9.798	552.1
545	2.0000	197.00	.20584	.2653	.2653	.9500	.5112-02	.6588-02	.8088	5.987	550.5
545	2.0000	198.00	.23762	.3097	.3097	.9500	.5902-02	.7692-02	.8987	6.632	556.4
545	2.0000	199.00	.16244	.2064	.2064	.9500	.4035-02	.5127-02	.6710	4.987	542.4
545	2.0000	200.00	.21187	.2699	.2699	.9500	.5262-02	.6704-02	.8668	6.659	544.0
545	3.0000	201.00	.87641-01	.1103	.1103	.9500	.2177-02	.2740-02	.3754	2.895	536.2

IH102 60-0 WINDOWS (R4WW29)

WINDOWS

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
536	3.512	4.020	.1600-01	.1117-04	57.88	709.7	167.7	.3712	4.199	2552.	.5975-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
536	.4548-01	.1239-01

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
536	1.0000	191.00	.26553	.3890	.3890	.9500	.1208-01	.1769-01	1.350	9.444	597.9
536	1.0000	192.00	.37782	.6075	.6075	.9500	.1718-01	.2762-01	1.613	11.18	615.8
536	1.0000	193.00	.39715	.6564	.6564	.9500	.1806-01	.2985-01	1.623	11.60	619.8
536	1.0000	194.00	.27736	.4421	.4421	.9500	.1261-01	.2011-01	1.201	9.227	614.5
536	1.0000	195.00	.73034	.9639	.9639	.9500	.3321-01	.4383-01	4.864	35.77	563.2
536	2.0000	196.00	.28572	.4397	.4397	.9500	.1299-01	.1999-01	1.317	9.471	608.3
536	2.0000	197.00	.26181	.3794	.3794	.9500	.1191-01	.1725-01	1.363	9.870	595.2
536	2.0000	198.00	.27192	.4022	.4022	.9500	.1237-01	.1829-01	1.355	9.783	600.1
536	2.0000	199.00	.18194	.2479	.2479	.9500	.8274-02	.1127-01	1.104	8.067	576.2
536	2.0000	200.00	.18136	.2565	.2565	.9500	.8247-02	.1166-01	.9992	7.507	588.5
536	3.0000	201.00	.11786	.1541	.1541	.9500	.5360-02	.7010-02	.8080	6.161	558.9

IH102 60-OTS WINDOWS

WINDOWS

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. F	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
491	3.507	3.010	-5.043	-11.03	33.87	709.7	252.4	.9082	5.760	2344.	.9713-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
491	.5322-01	.9714-02

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
491	1.0000	191.00	.36989	.6715	.6715	.9500	.1969-01	.3574-01	1.555	10.71	630.7
491	1.0000	192.00	.38159	.6984	.6984	.9500	.2031-01	.3717-01	1.589	10.93	631.4
491	1.0000	193.00	.43467	.8968	.8968	.9500	.2313-01	.4773-01	1.593	11.28	640.8
491	1.0000	194.00	.36408	.7803	.7803	.9500	.1938-01	.4153-01	1.289	9.767	643.1
491	1.0000	195.00	.33331	.5817	.5817	.9500	.1774-01	.3096-01	1.474	10.51	626.6
491	2.0000	196.00	.37768	.7641	.7641	.9500	.2010-01	.4067-01	1.410	9.991	639.5
491	2.0000	197.00	.32006	.5316	.5316	.9500	.1703-01	.2829-01	1.519	10.86	620.5
491	2.0000	198.00	.36406	.6606	.6606	.9500	.1938-01	.3516-01	1.532	10.90	630.6
491	2.0000	199.00	.25937	.3839	.3839	.9500	.1380-01	.2043-01	1.510	10.90	600.3
491	2.0000	200.00	.27296	.4563	.4563	.9500	.1453-01	.2429-01	1.283	9.484	621.4
491	3.0000	201.00	.21742	.3128	.3128	.9500	.1157-01	.1665-01	1.347	10.09	593.3

IH102 60-0TS WINDOWS (R4WW31)

WINDOWS

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. F	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
502	1.044	3.010	-4.963	-5.944	9.720	691.7	246.0	.2607	1.653	2314.	.2860-02	.1970-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
502	.2838-01	.1784-01

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
502	1.0000	191.00	.35605	.5003	.5003	.9500	.1011-01	.1420-01	1.212	8.592	571.7
502	1.0000	192.00	.37037	.5181	.5181	.9500	.1051-01	.1471-01	1.275	9.043	570.4
502	1.0000	193.00	.46258	.6730	.6730	.9500	.1313-01	.1910-01	1.452	10.59	581.1
502	1.0000	194.00	.38781	.5739	.5739	.9500	.1101-01	.1629-01	1.174	9.151	585.0
502	1.0000	195.00	.31491	.4363	.4363	.9500	.8938-02	.1238-01	1.111	8.156	567.3
502	2.0000	196.00	.39982	.5834	.5834	.9500	.1135-01	.1656-01	1.247	9.089	581.8
502	2.0000	197.00	.29262	.3999	.3999	.9500	.8306-02	.1135-01	1.071	7.877	562.8
502	2.0000	198.00	.34423	.4807	.4807	.9500	.9770-02	.1364-01	1.190	8.726	569.8
502	2.0000	199.00	.21655	.2883	.2883	.9500	.6146-02	.8184-02	.8538	6.313	552.8
502	2.0000	200.00	.23813	.3305	.3305	.9500	.6759-02	.9379-02	.8367	6.351	567.9
502	3.0000	201.00	.15959	.2085	.2085	.9500	.4530-02	.5917-02	.6681	5.132	544.2

WINDOWS

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
484	3.532	3.010	-4.981	-5.945	34.04	708.7	252.0	.9129	5.790	2342.	.9777-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
484	.5335-01	.9680-02

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
484	1.0000	191.00	.40206	.7779	.7779	.9500	.2145-01	.4150-01	1.573	10.81	635.3
484	1.0000	192.00	.41026	.7702	.7702	.9500	.2189-01	.4109-01	1.660	11.41	632.8
484	1.0000	193.00	.46940	.9724	.9724	.9500	.2504-01	.5188-01	1.715	12.15	640.2
484	1.0000	194.00	.40213	.8286	.8286	.9500	.2145-01	.4420-01	1.477	11.21	639.8
484	1.0000	195.00	.34606	.6004	.6004	.9500	.1846-01	.3203-01	1.544	11.02	625.0
484	2.0000	196.00	.40715	.7733	.7733	.9500	.2172-01	.4125-01	1.625	11.55	633.8
484	2.0000	197.00	.32684	.5320	.5320	.9500	.1744-01	.2838-01	1.602	11.48	616.8
484	2.0000	198.00	.35255	.6114	.6114	.9500	.1881-01	.3261-01	1.574	11.23	625.0
484	2.0000	199.00	.24227	.3539	.3539	.9500	.1292-01	.1888-01	1.452	10.50	596.3
484	2.0000	200.00	.26689	.4212	.4212	.9500	.1424-01	.2247-01	1.377	10.23	612.0
484	3.0000	201.00	.19503	.2716	.2716	.9500	.1040-01	.1449-01	1.308	9.852	583.0

WINDOWS

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
499	1.034	3.010	-4.936	.0000	9.661	693.7	246.7	.2591	1.643	2318.	.2835-02	.1975-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
499	.2831-01	.1792-01

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
499	1.0000	191.00	.27281	.3767	.3767	.9500	.7724-02	.1067-01	.9711	6.895	567.9
499	1.0000	192.00	.29396	.4076	.4076	.9500	.8323-02	.1154-01	1.036	7.349	569.2
499	1.0000	193.00	.37260	.5353	.5353	.9500	.1055-01	.1516-01	1.204	8.781	579.6
499	1.0000	194.00	.31098	.4549	.4549	.9500	.8805-02	.1288-01	.9650	7.526	584.1
499	1.0000	195.00	.26125	.3592	.3592	.9500	.7397-02	.1017-01	.9410	6.910	566.4
499	2.0000	196.00	.32743	.4725	.4725	.9500	.9270-02	.1338-01	1.047	7.634	580.7
499	2.0000	197.00	.24199	.3282	.3282	.9500	.6851-02	.9293-02	.9046	6.658	561.6
499	2.0000	198.00	.28133	.3905	.3905	.9500	.7965-02	.1106-01	.9883	7.246	569.6
499	2.0000	199.00	.18171	.2408	.2408	.9500	.5145-02	.6818-02	.7270	5.376	552.4
499	2.0000	200.00	.20833	.2854	.2854	.9500	.5898-02	.8081-02	.7574	5.756	565.3
499	3.0000	201.00	.12492	.1624	.1624	.9500	.3537-02	.4597-02	.5319	4.088	543.3

WINDOWS

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BUFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
473	3.518	3.010	-4.936	.0000	33.90	708.7	252.0	.9092	5.766	2342.	.9737-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
473	.5324-01	.9700-02

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
473	1.0000	191.00	.34534	.6615	.6615	.9500	.1839-01	.3522-01	1.363	9.367	634.5
473	1.0000	192.00	.41856	.8095	.8095	.9500	.2228-01	.4310-01	1.635	11.23	635.3
473	1.0000	193.00	.44963	.9523	.9523	.9500	.2394-01	.5070-01	1.607	11.37	641.5
473	1.0000	194.00	.33408	.6748	.6748	.9500	.1779-01	.3593-01	1.248	9.478	638.5
473	1.0000	195.00	.58015	1.005	1.005	.9500	.3089-01	.5353-01	2.587	18.46	624.9
473	2.0000	196.00	.33634	.6198	.6198	.9500	.1791-01	.3300-01	1.387	9.869	631.2
473	2.0000	197.00	.30244	.4914	.4914	.9500	.1610-01	.2616-01	1.484	10.63	616.5
473	2.0000	198.00	.31372	.5402	.5402	.9500	.1670-01	.2876-01	1.412	10.07	624.2
473	2.0000	199.00	.21819	.3191	.3191	.9500	.1162-01	.1699-01	1.301	9.414	596.6
473	2.0000	200.00	.21356	.3345	.3345	.9500	.1137-01	.1781-01	1.114	8.282	610.7
473	3.0000	201.00	.14897	.2065	.2065	.9500	.7931-02	.1099-01	1.009	7.604	581.5

IH102 60-OTS WINDOWS (R4WW33)

WINDOWS

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
487	3.524	3.010	-.2714-01	-10.97	34.03	709.7	252.4	.9127	5.789	2344.	.9761-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
487	.5336-01	.9690-02

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
487	1.0000	191.00	.26867	.4930	.4930	.9500	.1434-01	.2630-01	1.118	7.693	631.7
487	1.0000	192.00	.27624	.5230	.5230	.9500	.1474-01	.2791-01	1.108	7.617	634.5
487	1.0000	193.00	.32009	.7060	.7060	.9500	.1708-01	.3767-01	1.109	7.834	644.8
487	1.0000	194.00	.26790	.5945	.5945	.9500	.1429-01	.3172-01	.9232	6.989	645.1
487	1.0000	195.00	.24766	.4487	.4487	.9500	.1321-01	.2394-01	1.047	7.447	630.5
487	2.0000	196.00	.26531	.5640	.5640	.9500	.1416-01	.3009-01	.9484	6.709	642.7
487	2.0000	197.00	.24401	.4229	.4229	.9500	.1302-01	.2256-01	1.092	7.788	625.8
487	2.0000	198.00	.27602	.5405	.5405	.9500	.1473-01	.2884-01	1.068	7.575	637.2
487	2.0000	199.00	.20742	.3203	.3203	.9500	.1107-01	.1709-01	1.114	8.013	609.0
487	2.0000	200.00	.20300	.3588	.3588	.9500	.1083-01	.1915-01	.8849	6.521	628.0
487	3.0000	201.00	.15851	.2382	.2382	.9500	.8458-02	.1271-01	.8971	6.690	603.6

IH102 60-OTS WINDOWS

WINDOWS

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
481	3.523	3.010	-.1048-01	-5.980	33.95	708.7	252.0	.9105	5.774	2342.	.9751-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
481	.5328-01	.9693-02

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
481	1.0000	191.00	.32723	.6108	.6108	.9500	.1743-01	.3254-01	1.331	9.153	632.4
481	1.0000	192.00	.31519	.6083	.6083	.9500	.1679-01	.3241-01	1.235	8.483	635.1
481	1.0000	193.00	.35568	.7899	.7899	.9500	.1895-01	.4208-01	1.221	8.633	644.2
481	1.0000	194.00	.29098	.6289	.6289	.9500	.1550-01	.3351-01	1.022	7.747	642.7
481	1.0000	195.00	.25921	.4629	.4629	.9500	.1381-01	.2466-01	1.112	7.922	628.1
481	2.0000	196.00	.28509	.5721	.5721	.9500	.1519-01	.3048-01	1.073	7.605	638.0
481	2.0000	197.00	.24484	.4110	.4110	.9500	.1304-01	.2189-01	1.143	8.173	621.0
481	2.0000	198.00	.26513	.4828	.4828	.9500	.1413-01	.2572-01	1.110	7.900	630.1
481	2.0000	199.00	.19806	.2966	.2966	.9500	.1055-01	.1580-01	1.125	8.119	602.0
481	2.0000	200.00	.18441	.2993	.2993	.9500	.9825-02	.1595-01	.9070	6.722	616.4
481	3.0000	201.00	.14115	.2017	.2017	.9500	.7520-02	.1075-01	.8872	6.658	590.7

IH102 60-OTS WINDOWS

WINDOWS

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
476	3.534	3.010	.4540-07	-3.044	34.06	708.7	252.0	.9135	5.794	2342.	.9784-02	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
476	.5337-01	.9677-02

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
476	1.0000	191.00	.32303	.5972	.5972	.9500	.1724-01	.3187-01	1.330	9.157	631.5
476	1.0000	192.00	.34254	.6358	.6358	.9500	.1828-01	.3393-01	1.404	9.664	631.8
476	1.0000	193.00	.37071	.7658	.7658	.9500	.1978-01	.4087-01	1.359	9.623	640.0
476	1.0000	194.00	.29639	.6138	.6138	.9500	.1582-01	.3276-01	1.084	8.223	640.2
476	1.0000	195.00	.27547	.4772	.4772	.9500	.1470-01	.2546-01	1.232	8.792	624.8
476	2.0000	196.00	.28099	.5424	.5424	.9500	.1499-01	.2894-01	1.103	7.827	635.1
476	2.0000	197.00	.24819	.4049	.4049	.9500	.1324-01	.2161-01	1.212	8.683	617.1
476	2.0000	198.00	.26393	.4657	.4657	.9500	.1408-01	.2485-01	1.152	8.210	626.9
476	2.0000	199.00	.19267	.2860	.2660	.9500	.1028-01	.1526-01	1.116	8.062	600.1
476	2.0000	200.00	.18564	.2978	.2978	.9500	.9907-02	.1589-01	.9322	6.915	614.6
476	3.0000	201.00	.11961	.1703	.1703	.9500	.6383-02	.9089-02	.7596	5.704	589.7

WINDOWS

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
496	1.036	3.010	.3200-01	.1117-04	9.766	697.7	248.1	.2619	1.661	2324.	.2849-02	.1986-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
496	.2850-01	.1789-01

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
496	1.0000	191.00	.22474	.3003	.3003	.9500	.6404-02	.8559-02	.8874	6.329	559.1
496	1.0000	192.00	.24205	.3279	.3279	.9500	.6897-02	.9344-02	.9189	6.536	564.4
496	1.0000	193.00	.30432	.4284	.4284	.9500	.8672-02	.1221-01	1.045	7.630	577.2
496	1.0000	194.00	.26304	.3704	.3704	.9500	.7495-02	.1055-01	.9023	7.060	577.3
496	1.0000	195.00	.22071	.2983	.2983	.9500	.6289-02	.8501-02	.8431	6.200	563.6
496	2.0000	196.00	.28236	.3949	.3949	.9500	.8046-02	.1125-01	.9848	7.199	575.3
496	2.0000	197.00	.21048	.2818	.2818	.9500	.5998-02	.8030-02	.8264	6.089	559.9
496	2.0000	198.00	.24984	.3412	.3412	.9500	.7119-02	.9721-02	.9278	6.810	567.3
496	2.0000	199.00	.16284	.2137	.2137	.9500	.4640-02	.6088-02	.6806	5.036	551.0
496	2.0000	200.00	.18327	.2461	.2461	.9500	.5222-02	.7012-02	.7138	5.437	561.0
496	3.0000	201.00	.10836	.1398	.1398	.9500	.3088-02	.3984-02	.4790	3.682	542.6

WINDOWS

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
467	3.535	3.010	-.1400-01	.0000	34.14	709.7	252.4	.9155	5.806	2344.	.9791-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
467	.5344-01	.9675-02

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
467	1.0000	191.00	.28177	.5000	.5000	.9500	.1506-01	.2672-01	1.224	8.437	628.4
467	1.0000	192.00	.35708	.6696	.6696	.9500	.1908-01	.3578-01	1.451	9.973	633.6
467	1.0000	193.00	.38431	.7788	.7788	.9500	.2054-01	.4161-01	1.439	10.19	639.6
467	1.0000	194.00	.27447	.5307	.5307	.9500	.1467-01	.2836-01	1.078	8.195	636.2
467	1.0000	195.00	1.6082	2.076	2.076	.9500	.8593-01	.1109	13.53	100.0	552.2
467	2.0000	196.00	.28063	.5042	.5042	.9500	.1500-01	.2694-01	1.200	8.542	629.6
467	2.0000	197.00	.26273	.4165	.4165	.9500	.1404-01	.2226-01	1.349	9.678	613.6
467	2.0000	198.00	.27177	.4517	.4517	.9500	.1452-01	.2413-01	1.294	9.250	620.6
467	2.0000	199.00	.19013	.2731	.2731	.9500	.1016-01	.1459-01	1.187	8.600	592.9
467	2.0000	200.00	.19088	.2917	.2917	.9500	.1020-01	.1559-01	1.047	7.798	607.0
467	3.0000	201.00	.14025	.1908	.1908	.9500	.7494-02	.1020-01	1.004	7.588	575.8

IH102 60-OTS WINDOWS

WINDOWS

PARAMETRIC DATA

MACH = 3.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
470	3.519	3.010	4.988	.0000	33.98	709.7	252.4	.9113	5.779	2344.	.9746-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
470	.5331-01	.9698-02

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
470	1.0000	191.00	.21532	.3454	.3454	.9500	.1148-01	.1842-01	1.081	7.501	615.5
470	1.0000	192.00	.29380	.5102	.5102	.9500	.1566-01	.2720-01	1.310	9.042	626.0
470	1.0000	193.00	.31047	.5739	.5739	.9500	.1655-01	.3060-01	1.280	9.096	632.4
470	1.0000	194.00	.22510	.4012	.4012	.9500	.1200-01	.2139-01	.9703	7.403	628.8
470	1.0000	195.00	1.0141	1.590	1.590	.9500	.5407-01	.8478-01	5.296	38.03	611.7
470	2.0000	196.00	.23120	.3930	.3930	.9500	.1233-01	.2095-01	1.062	7.584	623.5
470	2.0000	197.00	.21237	.3272	.3272	.9500	.1132-01	.1744-01	1.145	8.233	608.6
470	2.0000	198.00	.22051	.3534	.3534	.9500	.1176-01	.1884-01	1.109	7.952	615.3
470	2.0000	199.00	.16036	.2275	.2275	.9500	.8549-02	.1213-01	1.028	7.462	589.4
470	2.0000	200.00	.15747	.2344	.2344	.9500	.8395-02	.1249-01	.9080	6.778	601.5
470	3.0000	201.00	.11429	.1545	.1545	.9500	.6093-02	.8238-02	.8305	6.287	573.4

WINDOWS

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
510	3.510	4.020	-5.012	-11 03	57.85	709.7	167.7	.3710	4.197	2552.	.5971-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
510	.4546-01	.1240-01

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
510	1.0000	191.00	.37877	.6230	.6230	.9500	.1722-01	.2832-01	1.559	10.79	619.2
510	1.0000	192.00	.40660	.6898	.6898	.9500	.1948-01	.3136-01	1.598	11.04	623.2
510	1.0000	193.00	.46199	.8579	.8579	.9500	.2100-01	.3900-01	1.615	11.48	632.8
510	1.0000	194.00	.37259	.6970	.6970	.9500	.1694-01	.3169-01	1.291	9.831	633.4
510	1.0000	195.00	.34889	.5695	.5695	.9500	.1586-01	.2589-01	1.453	10.40	618.1
510	2.0000	196.00	.38029	.6749	.6749	.9500	.1729-01	.3068-01	1.405	10.01	628.4
510	2.0000	197.00	.33588	.5254	.5254	.9500	.1527-01	.2388-01	1.502	10.79	611.3
510	2.0000	198.00	.38695	.6490	.6490	.9500	.1759-01	.2951-01	1.546	11.04	621.8
510	2.0000	199.00	.26630	.3802	.3802	.9500	.1211-01	.1729-01	1.434	10.40	591.2
510	2.0000	200.00	.27246	.4303	.4303	.9500	.1239-01	.1956-01	1.198	8.894	612.9
510	3.0000	201.00	.21577	.2968	.2968	.9500	.9809-02	.1350-01	1.274	9.616	579.8

WINDOWS

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
521	1.023	4.020	-4.962	-5.940	16.93	711.7	168.2	.1086	1.228	2556.	.1743-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
521	.2461-01	.2296-01

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
521	1.0000	191.00	.32059	.4098	.4098	.9500	.7889-02	.1008-01	1.290	9.249	548.2
521	1.0000	192.00	.45854	.5914	.5914	.9500	.1128-01	.1455-01	1.787	12.78	553.3
521	1.0000	193.00	.56108	.7318	.7318	.9500	.1381-01	.1801-01	2.106	15.52	559.1
521	1.0000	194.00	.39288	.5142	.5142	.9500	.9668-02	.1265-01	1.458	11.50	560.9
521	1.0000	195.00	.38286	.4906	.4906	.9500	.9421-02	.1207-01	1.526	11.30	549.7
521	2.0000	196.00	.43887	.5714	.5714	.9500	.1080-01	.1406-01	1.657	12.22	558.2
521	2.0000	197.00	.34056	.4324	.4324	.9500	.8381-02	.1064-01	1.404	10.42	544.2
521	2.0000	198.00	.40749	.5228	.5228	.9500	.1003-01	.1286-01	1.618	11.98	550.3
521	2.0000	199.00	.23995	.3014	.3014	.9500	.5905-02	.7418-02	1.030	7.675	537.2
521	2.0000	200.00	.25793	.3304	.3304	.9500	.6347-02	.8132-02	1.029	7.885	549.5
521	3.0000	201.00	.16803	.2086	.2086	.9500	.4135-02	.5134-02	.7561	5.853	528.8

WINDOWS

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
461	3.526	4.020	-4.973	-5.944	57.99	708.7	167.5	.3719	4.207	2550.	.5994-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
461	.4551-01	.1237-01

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
461	1.0000	191.00	.42066	.6854	.6854	.9500	.1914-01	.3119-01	1.756	12.17	616.9
461	1.0000	192.00	.43140	.7250	.7250	.9500	.1963-01	.3299-01	1.717	11.88	621.2
461	1.0000	193.00	.47907	.8511	.8511	.9500	.2180-01	.3873-01	1.767	12.59	627.6
461	1.0000	194.00	.43158	.7514	.7514	.9500	.1964-01	.3419-01	1.635	12.49	625.4
461	1.0000	195.00	.36222	.5749	.5749	.9500	.1648-01	.2616-01	1.579	11.33	612.9
461	2.0000	196.00	.42968	.7149	.7149	.9500	.1955-01	.3253-01	1.737	12.42	619.8
461	2.0000	197.00	.33781	.5079	.5079	.9500	.1537-01	.2311-01	1.626	11.73	602.9
461	2.0000	198.00	.37681	.5881	.5881	.9500	.1715-01	.2676-01	1.691	12.15	610.1
461	2.0000	199.00	.24673	.3423	.3423	.9500	.1123-01	.1558-01	1.425	10.38	581.8
461	2.0000	200.00	.26961	.3960	.3960	.9500	.1227-01	.1802-01	1.362	10.18	597.7
461	3.0000	201.00	.18827	.2500	.2500	.9500	.8567-02	.1138-01	1.229	9.345	565.2

IH102 60-OTS WINDOWS

WINDOWS

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
518	1.028	4.020	-5.022	-.1751-02	16.95	709.7	167.7	.1087	1.230	2552.	.1750-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
518	.2461-01	.2290-01

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
518	1.0000	191.00	.26885	.3461	.3461	.9500	.6616-02	.8516-02	1.052	7.537	550.6
518	1.0000	192.00	.25972	.3373	.3373	.9500	.6391-02	.8301-02	.9857	7.043	555.4
518	1.0000	193.00	.38008	.5023	.5023	.9500	.9353-02	.1236-01	1.364	10.03	563.8
518	1.0000	194.00	.37378	.4948	.4948	.9500	.9198-02	.1218-01	1.334	10.51	564.6
518	1.0000	195.00	.25495	.3307	.3307	.9500	.6274-02	.8139-02	.9716	7.176	554.8
518	1.0000	196.00	.39369	.5189	.5189	.9500	.9688-02	.1277-01	1.425	10.48	562.6
518	2.0000	197.00	.25437	.3277	.3277	.9500	.6260-02	.8063-02	.9931	7.349	551.0
518	2.0000	198.00	.32946	.4285	.4285	.9500	.8108-02	.1054-01	1.245	9.187	556.1
518	2.0000	199.00	.19429	.2470	.2470	.9500	.4781-02	.6079-02	.7945	5.902	543.5
518	2.0000	200.00	.25522	.3302	.3302	.9500	.6281-02	.8127-02	.9811	7.501	553.5
518	3.0000	201.00	.12809	.1608	.1608	.9500	.3152-02	.3958-02	.5495	4.240	535.3

WINDOWS

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
452	3.515	4.020	-4.948	-.1725-02	57.93	709.7	167.7	.3715	4.202	2552.	.5979-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
452	.4549-01	.1239-01

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
452	1.0000	191.00	.32849	.5266	.5266	.9500	.1494-01	.2396-01	1.409	9.777	615.4
452	1.0000	192.00	.42070	.7331	.7331	.9500	.1914-01	.3335-01	1.594	11.00	626.4
452	1.0000	193.00	.45356	.8195	.8195	.9500	.2063-01	.3728-01	1.640	11.67	630.2
452	1.0000	194.00	.31972	.5524	.5524	.9500	.1454-01	.2513-01	1.225	9.364	625.4
452	1.0000	195.00	.34090	.5496	.5496	.9500	.1551-01	.2500-01	1.449	10.38	616.2
452	2.0000	196.00	.32352	.5294	.5294	.9500	.1472-01	.2409-01	1.343	9.610	618.4
452	2.0000	197.00	.29829	.4499	.4499	.9500	.1357-01	.2047-01	1.429	10.30	604.4
452	2.0000	198.00	.31300	.4856	.4856	.9500	.1424-01	.2209-01	1.422	10.22	609.8
452	2.0000	199.00	.21111	.2939	.2939	.9500	.9604-02	.1337-01	1.210	8.809	583.7
452	2.0000	200.00	.21222	.3098	.3098	.9500	.9654-02	.1410-01	1.087	8.135	597.0
452	3.0000	201.00	.14339	.1900	.1900	.9500	.6523-02	.8643-02	.9440	7.176	565.0

WINDOWS

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
504	3.525	4.020	-.7779-02	-11.01	57.74	706.7	167.0	.3703	4.188	2547.	.5985-02	.1344-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
504	.4538-01	.1238-01

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
504	1.0000	191.00	.30628	.4969	.4969	.9500	.1390-01	.2255-01	1.280	8.885	614.6
504	1.0000	192.00	.33089	.5673	.5673	.9500	.1502-01	.2574-01	1.273	8.804	621.9
504	1.0000	193.00	.38176	.7280	.7280	.9500	.1733-01	.3304-01	1.287	9.149	632.4
504	1.0000	194.00	.28286	.5194	.5194	.9500	.1284-01	.2357-01	.9959	7.597	629.1
504	1.0000	195.00	.28567	.4787	.4787	.9500	.1296-01	.2172-01	1.136	8.129	619.0
504	2.0000	196.00	.28282	.5048	.5048	.9500	.1283-01	.2291-01	1.031	7.353	626.3
504	2.0000	197.00	.27851	.4501	.4501	.9500	.1264-01	.2043-01	1.171	8.402	614.0
504	2.0000	198.00	.33989	.5956	.5956	.9500	.1543-01	.2703-01	1.269	9.059	624.4
504	2.0000	199.00	.22934	.3383	.3383	.9500	.1041-01	.1535-01	1.142	8.258	597.0
504	2.0000	200.00	.21548	.3546	.3546	.9500	.9779-02	.1609-01	.8806	6.526	616.6
504	3.0000	201.00	.16953	.2398	.2398	.9500	.7694-02	.1088-01	.9274	6.976	586.1

WINDOWS

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
458	3.525	4.020	.8937-07	-5.976	57.87	708.7	167.5	.3718	4.206	2550.	.5993-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
458	.4550-01	.1237-01

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
458	1.0000	191.00	.28462	.4615	.4615	.9500	.1295-01	.2100-01	1.197	8.302	616.2
458	1.0000	192.00	.31417	.5400	.5400	.9500	.1429-01	.2457-01	1.211	8.365	624.0
458	1.0000	193.00	.35631	.6583	.6583	.9500	.1621-01	.2995-01	1.252	8.905	631.4
458	1.0000	194.00	.28109	.5118	.5118	.9500	.1279-01	.2328-01	1.005	7.667	630.1
458	1.0000	195.00	.26560	.4331	.4331	.9500	.1208-01	.1971-01	1.107	7.929	617.1
458	2.0000	196.00	.26577	.4603	.4603	.9500	.1209-01	.2094-01	1.014	7.234	624.8
458	2.0000	197.00	.24293	.3768	.3768	.9500	.1105-01	.1714-01	1.103	7.927	608.9
458	2.0000	198.00	.27177	.4459	.4459	.9500	.1237-01	.2029-01	1.122	8.033	617.9
458	2.0000	199.00	.20065	.2862	.2862	.9500	.9129-02	.1302-01	1.083	7.856	590.1
458	2.0000	200.00	.17861	.2722	.2722	.9500	.8126-02	.1239-01	.8373	6.238	605.6
458	3.0000	201.00	.14430	.1969	.1969	.9500	.6566-02	.8957-02	.8714	6.588	575.9

IH102 60-OTS WINDOWS

WINDOWS

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
455	3.525	4.020	-.1049-02	-3.002	57.97	708.7	167.5	.3718	4.206	2550.	.5993-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
455	.4550-01	.1237-01

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
455	1.0000	191.00	.25813	.4032	.4032	.9500	.1174-01	.1835-01	1.156	8.042	610.2
455	1.0000	192.00	.34605	.5814	.5814	.9500	.1574-01	.2645-01	1.378	9.533	621.1
455	1.0000	193.00	.36861	.6533	.6533	.9500	.1677-01	.2973-01	1.364	9.717	627.4
455	1.0000	194.00	.27709	.4853	.4853	.9500	.1261-01	.2208-01	1.041	7.954	626.1
455	2.0000	196.00	.26705	.4467	.4467	.9500	.1215-01	.2033-01	1.070	7.653	620.6
455	2.0000	197.00	.24192	.3661	.3661	.9500	.1101-01	.1666-01	1.150	8.284	604.2
455	2.0000	198.00	.26025	.4097	.4097	.9500	.1184-01	.1864-01	1.150	8.261	611.5
455	2.0000	199.00	.19329	.2705	.2705	.9500	.8795-02	.1231-01	1.091	7.943	584.6
455	2.0000	200.00	.16824	.2474	.2474	.9500	.7655-02	.1126-01	.8478	6.340	597.9
455	3.0000	201.00	.12732	.1706	.1706	.9500	.5793-02	.7763-02	.8089	6.137	569.0

WINDOWS

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
516	1.032	4.020	.1000-01	.3491-05	16.97	708.7	167.5	.1088	1.231	2550.	.1754-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
516	.2462-01	.2287-01

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
516	1.0000	191.00	.19567	.2538	.2538	.9500	.4817-02	.6247-02	.7454	5.330	553.9
516	1.0000	192.00	.18675	.2486	.2486	.9500	.4597-02	.6120-02	.6544	4.651	566.3
516	1.0000	193.00	.26109	.3514	.3514	.9500	.6427-02	.8651-02	.8858	6.490	570.8
516	1.0000	194.00	.25454	.3364	.3364	.9500	.6266-02	.8280-02	.9126	7.192	563.0
516	1.0000	195.00	.17862	.2358	.2358	.9500	.4397-02	.5805-02	.6423	4.726	562.6
516	2.0000	196.00	.31328	.4133	.4133	.9500	.7712-02	.1017-01	1.129	8.311	562.2
516	2.0000	197.00	.19273	.2518	.2518	.9500	.4744-02	.6199-02	.7162	5.282	557.7
516	2.0000	198.00	.24959	.3289	.3289	.9500	.6144-02	.8095-02	.9031	6.647	561.7
516	2.0000	199.00	.15916	.2040	.2040	.9500	.3918-02	.5021-02	.6319	4.684	547.4
516	2.0000	200.00	.17991	.2322	.2322	.9500	.4429-02	.5715-02	.6972	5.337	551.2
516	3.0000	201.00	.10043	.1268	.1268	.9500	.2472-02	.3121-02	.4214	3.247	538.2

IH102 60-OTS WINDOWS

WINDOWS

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
446	3.515	4.020	.6000-02	.2094-05	57.93	709.7	167.7	.3715	4.202	2552.	.5979-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
446	.4549-01	.1239-01

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
446	1.0000	191.00	.25102	.3720	.3720	.9500	.1142-01	.1692-01	1.246	8.704	600.6
446	1.0000	192.00	.35967	.5896	.5896	.9500	.1636-01	.2682-01	1.489	10.31	618.7
446	1.0000	193.00	.37848	.6365	.6365	.9500	.1722-01	.2896-01	1.507	10.77	622.1
446	1.0000	194.00	.26131	.4257	.4257	.9500	.1189-01	.1936-01	1.093	8.381	617.8
446	1.0000	195.00	.28752	.4440	.4440	.9500	.1308-01	.2020-01	1.317	9.471	609.0
446	2.0000	196.00	.26494	.4171	.4171	.9500	.1205-01	.1897-01	1.173	8.416	612.4
446	2.0000	197.00	.25357	.3714	.3714	.9500	.1154-01	.1690-01	1.290	9.320	597.8
446	2.0000	198.00	.26426	.3948	.3948	.9500	.1202-01	.1796-01	1.290	9.304	602.4
446	2.0000	199.00	.17758	.2437	.2437	.9500	.8079-02	.1109-01	1.056	7.708	578.9
446	2.0000	200.00	.17517	.2488	.2488	.9500	.7969-02	.1132-01	.9551	7.171	589.8
446	3.0000	201.00	.11848	.1555	.1555	.9500	.5390-02	.7073-02	.8037	6.123	560.6

WINDOWS

PARAMETRIC DATA

MACH = 4.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
449	3.512	4.020	4.956	.3456-02	57.88	709.7	167.7	.3712	4.199	2552.	.5975-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
449	.4548-01	.1239-01

TEST DATA

RUN NUMBER	WINDOW	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
449	1.0000	191.00	.17249	.2413	.2413	.9500	.7844-02	.1097-01	.9759	6.870	585.3
449	1.0000	192.00	.26566	.4050	.4050	.9500	.1208-01	.1842-01	1.246	8.678	606.6
449	1.0000	193.00	.28595	.4518	.4518	.9500	.1300-01	.2055-01	1.257	9.020	613.0
449	1.0000	194.00	.19931	.3032	.3032	.9500	.9064-02	.1378-01	.9385	7.240	606.1
449	1.0000	195.00	.22033	.3273	.3273	.9500	.1002-01	.1488-01	1.088	7.852	601.1
449	2.0000	196.00	.20725	.3113	.3113	.9500	.9425-02	.1416-01	1.001	7.215	603.5
449	2.0000	197.00	.20185	.2884	.2884	.9500	.9179-02	.1311-01	1.085	7.872	591.4
449	2.0000	198.00	.21392	.3129	.3129	.9500	.9728-02	.1423-01	1.091	7.891	597.5
449	2.0000	199.00	.14853	.2009	.2009	.9500	.6755-02	.9136-02	.9196	6.728	573.5
449	2.0000	200.00	.13580	.1883	.1883	.9500	.6175-02	.8561-02	.7864	5.926	582.3
449	3.0000	201.00	.98036-01	.1277	.1277	.9500	.4458-02	.5809-02	.6804	5.193	557.1

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
414	3.756	3.010	.0000	-14.48	36.20	708.7	252.0	.9707	6.156	2342.	.1040-01	.2015-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
414	.5501-01	.9388-02

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
414	355.00	.20000	71.000	.3413-01	.4501-01	.4501-01	.9500	.1877-02	.2476-02	.2751	3.115	562.1
414	355.00	.22500	72.000	.3672-01	.4791-01	.4791-01	.9500	.2020-02	.2636-02	.3064	3.570	557.0
414	355.00	.25000	73.000	.2947-01	.3805-01	.3805-01	.9500	.1621-02	.2093-02	.2547	2.975	551.6
414	355.00	.27500	74.000	.1637-01	.2106-01	.2106-01	.9500	.9006-03	.1159-02	.1433	1.768	549.6
414	355.00	.80000	75.000	.9177-01	.1252	.1252	.9500	.5048-02	.6889-02	.6695	7.934	576.0
414	355.00	.85000	76.000	.1112	.1553	.1553	.9500	.6115-02	.8542-02	.7627	8.859	584.0
414	355.00	.87500	77.000	.1034	.1468	.1468	.9500	.5687-02	.8077-02	.6811	8.727	588.9
414	355.00	.90000	78.000	.1077	.1536	.1536	.9500	.5925-02	.8448-02	.7031	8.900	590.0
414	355.00	.92500	79.000	.1092	.1554	.1554	.9500	.6009-02	.8550-02	.7164	8.668	589.4
414	355.00	.95000	80.000	.8846-01	.1230	.1230	.9500	.4866-02	.6765-02	.6142	7.064	582.5
414	372.50	.30000	56.000	.1648-01	.2126-01	.2126-01	.9500	.9065-03	.1169-02	.1429	1.866	551.0
414	372.50	.35000	58.000	.2470-01	.3213-01	.3213-01	.9500	.1359-02	.1768-02	.2083	2.714	555.4
414	372.50	.37500	59.000	.4433-01	.5908-01	.5908-01	.9500	.2439-02	.3250-02	.3461	4.484	566.8
414	372.50	.40000	60.000	.7994-01	.1112	.1112	.9500	.4397-02	.6119-02	.5537	7.117	582.7
414	372.50	.42500	61.000	.1115	.1559	.1559	.9500	.6135-02	.8575-02	.7638	9.810	584.2
414	372.50	.45000	62.000	.1139	.1594	.1594	.9500	.6265-02	.8766-02	.7782	9.878	584.5
414	372.50	.47500	63.000	.1126	.1567	.1567	.9500	.6196-02	.8618-02	.7811	9.754	582.6
414	372.50	.50000	64.000	.1144	.1582	.1582	.9500	.6293-02	.8704-02	.8051	9.783	580.7
414	372.50	.52500	65.000	.1080	.1492	.1492	.9500	.5940-02	.8208-02	.7620	9.261	580.4
414	372.50	.55000	66.000	.1024	.1407	.1407	.9500	.5634-02	.7742-02	.7333	8.451	578.5
414	372.50	.60000	67.000	.9217-01	.1255	.1255	.9500	.5070-02	.6902-02	.6769	7.499	575.2

IH102 56-0 FUSELAGE (R4WV01)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
414	372.50	.65000	68.000	.8281-01	.1123	.1123	.9500	.4555-02	.6178-02	.6145	7.098	573.8
414	372.50	.70000	69.000	.8729-01	.1178	.1178	.9500	.4802-02	.6480-02	.6571	7.218	571.8
414	372.50	.75000	70.000	.9980-01	.1360	.1360	.9500	.5490-02	.7481-02	.7310	8.015	575.5
414	400.00	.20000	31.000	.6085-01	.8084-01	.8084-01	.9500	.3348-02	.4447-02	.4798	5.036	565.3
414	400.00	.22500	32.000	.6313-01	.8360-01	.8360-01	.9500	.3473-02	.4599-02	.5025	5.569	564.0
414	400.00	.25000	33.000	.4737-01	.6187-01	.6187-01	.9500	.2606-02	.3403-02	.3941	4.382	557.5
414	400.00	.27500	34.000	.4155-01	.5434-01	.5434-01	.9500	.2286-02	.2989-02	.3442	4.094	558.1
414	400.00	.30000	35.000	.5268-01	.6971-01	.6971-01	.9500	.2898-02	.3835-02	.4203	5.151	563.6
414	400.00	.32500	36.000	.9333-01	.1297	.1297	.9500	.5134-02	.7136-02	.6484	7.458	582.4
414	400.00	.35000	37.000	.1426	.2033	.2033	.9500	.7843-02	.1118-01	.9308	10.55	590.0
414	400.00	.37500	38.000	.1592	.2255	.2255	.9500	.8759-02	.1241-01	1.056	12.11	588.1
414	400.00	.40000	39.000	.1289	.1772	.1772	.9500	.7091-02	.9750-02	.9212	10.67	578.8
414	400.00	.42500	40.000	.1410	.1980	.1980	.9500	.7754-02	.1089-01	.9534	11.07	585.7
414	400.00	.45000	41.000	.1353	.1883	.1883	.9500	.7442-02	.1036-01	.9362	10.49	582.9
414	400.00	.47500	42.000	.1382	.1920	.1920	.9500	.7605-02	.1056-01	.9624	10.52	582.1
414	400.00	.50000	43.000	.1297	.1793	.1793	.9500	.7133-02	.9865-02	.9129	9.984	580.7
414	400.00	.52500	44.000	.1167	.1622	.1622	.9500	.6417-02	.8922-02	.8099	9.315	582.5
414	400.00	.55000	45.000	.1195	.1651	.1651	.9500	.6574-02	.9084-02	.8429	9.220	580.4
414	400.00	.60000	46.000	.1212	.1660	.1660	.9500	.6670-02	.9129-02	.8773	9.378	577.1
414	400.00	.65000	47.000	.1082	.1463	.1463	.9500	.5950-02	.8051-02	.8078	8.447	572.9
414	400.00	.70000	48.000	.9994-01	.1350	.1350	.9500	.5498-02	.7427-02	.7499	8.154	572.3
414	400.00	.75000	49.000	.1042	.1406	.1406	.9500	.5734-02	.7732-02	.7863	8.427	571.5
414	400.00	.80000	50.000	.1052	.1428	.1428	.9500	.5787-02	.7855-02	.7787	8.216	574.1
414	400.00	.85000	51.000	.9630-01	.1355	.1355	.9500	.5297-02	.7456-02	.6483	7.856	586.3
414	400.00	.87500	52.000	.9172-01	.1281	.1281	.9500	.5046-02	.7049-02	.6290	7.631	584.0
414	400.00	.90000	53.000	.7570-01	.1069	.1069	.9500	.4164-02	.5880-02	.5057	6.891	587.2
414	400.00	.92500	54.000	.7794-01	.1101	.1101	.9500	.4287-02	.6058-02	.5197	6.664	587.4
414	400.00	.95000	55.000	.7232-01	.9868-01	.9868-01	.9500	.3978-02	.5428-02	.5276	5.258	576.0
414	420.00	.28500	18.000	.1228	.1720	.1720	.9500	.6757-02	.9463-02	.8372	9.618	584.8
414	420.00	.33700	19.000	.1661	.2357	.2357	.9500	.9139-02	.1297-01	1.097	12.65	588.6
414	420.00	.39000	20.000	.1545	.2163	.2163	.9500	.8497-02	.1190-01	1.054	12.17	584.6
414	420.00	.42600	21.000	.1401	.1953	.1953	.9500	.7707-02	.1075-01	.9660	11.11	583.3
414	420.00	.47800	22.000	.1317	.1820	.1820	.9500	.7244-02	.1001-01	.9290	10.16	580.4
414	420.00	.53000	23.000	.1234	.1684	.1684	.9500	.6787-02	.9265-02	.8989	9.853	576.2
414	420.00	.56700	24.000	.1188	.1618	.1618	.9500	.6537-02	.8902-02	.8719	9.328	575.3
414	420.00	.62000	25.000	.1141	.1554	.1554	.9500	.6275-02	.8549-02	.8357	8.940	575.5
414	420.00	.67000	26.000	.1071	.1443	.1443	.9500	.5891-02	.7940-02	.8093	8.675	571.3
414	420.00	.70500	27.000	.1060	.1428	.1428	.9500	.5833-02	.7855-02	.8026	8.522	571.1
414	420.00	.75000	28.000	.1021	.1388	.1388	.9500	.5619-02	.7635-02	.7546	8.156	574.4
414	420.00	.80000	29.000	.9181-01	.1235	.1235	.9500	.5050-02	.6796-02	.6968	7.582	570.7
414	420.00	.82400	30.000	.5600-01	.7485-01	.7485-01	.9500	.3081-02	.4118-02	.4334	5.962	568.0
414	437.50	.27500	1.0000	.1498	.2052	.2052	.9500	.8243-02	.1125-01	1.083	11.04	577.2
414	442.00	.30000	2.0000	.1360	.1855	.1855	.9500	.7481-02	.1020-01	.9936	10.37	575.9

DATE 12 DEC 79

IH102 HEAT TRANSFER TEST AEDC TUNNEL A (V41B-67)

(R4WV01)

IH102 56-0 FUSELAGE

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
414	445.00	.32500	3.0000	.1136	.1529	.1529	.9500	.6249-02	.8412-02	.8609	8.720	570.9
414	445.00	.35000	4.0000	.1168	.1562	.1562	.9500	.6428-02	.8590-02	.9047	9.263	567.9
414	445.00	.37500	5.0000	.1076	.1435	.1435	.9500	.5920-02	.7896-02	.8380	8.705	567.1
414	445.00	.40000	6.0000	.1143	.1534	.1534	.9500	.6289-02	.8438-02	.8752	8.871	569.5
414	445.00	.42500	7.0000	.1058	.1430	.1430	.9500	.5820-02	.7864-02	.7932	8.104	572.4
414	445.00	.45000	8.0000	.1102	.1488	.1488	.9500	.6061-02	.8184-02	.8278	8.342	572.1
414	445.00	.47500	9.0000	.1016	.1356	.1356	.9500	.5591-02	.7458-02	.7915	7.959	567.1
414	445.00	.50000	10.000	.9862-01	.1319	.1319	.9500	.5425-02	.7254-02	.7626	7.630	568.1
414	445.00	.52500	11.000	.1017	.1362	.1362	.9500	.5595-02	.7492-02	.7829	7.831	568.7
414	445.00	.55000	12.000	.9766-01	.1301	.1301	.9500	.5372-02	.7157-02	.7632	7.572	566.6
414	445.00	.60000	13.000	.8576-01	.1134	.1134	.9500	.4718-02	.6237-02	.6864	6.884	563.2
414	445.00	.65000	14.000	.8674-01	.1152	.1152	.9500	.4771-02	.6336-02	.6848	6.861	565.2
414	445.00	.70000	15.000	.7984-01	.1057	.1057	.9500	.4392-02	.5812-02	.6367	6.160	563.7
414	445.00	.75000	16.000	.7713-01	.1020	.1020	.9500	.4243-02	.5613-02	.6161	6.178	563.5
414	445.00	.80000	17.000	.7084-01	.9339-01	.9339-01	.9500	.3897-02	.5137-02	.5718	5.489	561.9

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -15.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
413	4.027	4.020	.5317-02	-14.89	65.67	704.7	166.5	.4212	4.764	2543.	.6827-02	.1340-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
413	.4838-01	.1158-01

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
413	355.00	.80000	75.000	.5515-01	.7701-01	.7701-01	.9500	.2668-02	.3726-02	.3310	3.914	580.6
413	355.00	.85000	76.000	.6101-01	.8810-01	.8810-01	.9500	.2951-02	.4262-02	.3381	3.916	590.1
413	355.00	.87500	77.000	.4716-01	.6996-01	.6996-01	.9500	.2282-02	.3385-02	.2467	3.149	596.6
413	355.00	.90000	78.000	.4978-01	.7440-01	.7440-01	.9500	.2408-02	.3599-02	.2564	3.232	598.2
413	355.00	.92500	79.000	.5920-01	.8884-01	.8884-01	.9500	.2864-02	.4298-02	.3025	3.643	599.1
413	355.00	.95000	80.000	.3550-01	.5194-01	.5194-01	.9500	.1717-02	.2513-02	.1912	2.187	593.4
413	372.50	.40000	60.000	.1019-01	.1411-01	.1411-01	.9500	.4931-03	.6827-03	.6256-01	.8061	577.9
413	372.50	.42500	61.000	.2545-01	.3560-01	.3560-01	.9500	.1231-02	.1722-02	.1521	1.957	581.1
413	372.50	.45000	62.000	.4388-01	.6247-01	.6247-01	.9500	.2123-02	.3022-02	.2514	3.188	586.3
413	372.50	.47500	63.000	.5442-01	.7787-01	.7787-01	.9500	.2633-02	.3767-02	.3081	3.837	587.7
413	372.50	.50000	64.000	.5732-01	.8202-01	.8202-01	.9500	.2773-02	.3968-02	.3245	3.929	587.7
413	372.50	.52500	65.000	.5501-01	.7865-01	.7865-01	.9500	.2661-02	.3805-02	.3119	3.778	587.5
413	372.50	.55000	66.000	.5541-01	.7856-01	.7856-01	.9500	.2681-02	.3800-02	.3206	3.683	585.1
413	372.50	.60000	67.000	.4858-01	.6846-01	.6846-01	.9500	.2350-02	.3312-02	.2852	3.147	583.3
413	372.50	.65000	68.000	.4273-01	.5981-01	.5981-01	.9500	.2067-02	.2894-02	.2549	2.933	581.3
413	372.50	.70000	69.000	.4971-01	.6912-01	.6912-01	.9500	.2405-02	.3344-02	.3016	3.301	579.2
413	372.50	.75000	70.000	.7003-01	.9909-01	.9909-01	.9500	.3388-02	.4794-02	.4070	4.443	584.5
413	400.00	.22500	32.000	.4109-01	.5850-01	.5850-01	.9500	.1988-02	.2830-02	.2353	2.580	586.3
413	400.00	.25000	33.000	.3176-01	.4385-01	.4385-01	.9500	.1536-02	.2121-02	.1963	2.162	576.9
413	400.00	.27500	34.000	.1689-01	.2317-01	.2317-01	.9500	.8170-03	.1121-02	.1061	1.252	574.8
413	400.00	.30000	35.000	.1422-01	.1947-01	.1947-01	.9500	.6881-03	.9418-03	.9000-01	1.097	573.9

IH102 56-0 FUSELAGE

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
413	400.00	.32500	36.000	.1952-01	.2702-01	.2702-01	.9500	.9444-03	.1307-02	.1199	1.383	577.7
413	400.00	.35000	37.000	.3242-01	.4526-01	.4526-01	.9500	.1568-02	.2189-02	.1949	2.220	580.4
413	400.00	.37500	38.000	.5646-01	.8066-01	.8066-01	.9500	.2731-02	.3902-02	.3207	3.680	587.2
413	400.00	.40000	39.000	.7060-01	.9930-01	.9930-01	.9500	.3415-02	.4804-02	.4164	4.814	582.8
413	400.00	.42500	40.000	.7759-01	.1121	.1121	.9500	.3754-02	.5425-02	.4294	4.972	590.3
413	400.00	.45000	41.000	.8471-01	.1214	.1214	.9500	.4098-02	.5871-02	.4781	5.343	588.0
413	400.00	.47500	42.000	.9020-01	.1292	.1292	.9500	.4364-02	.6250-02	.5095	5.552	587.9
413	400.00	.50000	43.000	.8192-01	.1161	.1161	.9500	.3963-02	.5619-02	.4738	5.170	585.1
413	400.00	.52500	44.000	.7243-01	.1032	.1032	.9500	.3504-02	.4992-02	.4142	4.755	586.5
413	400.00	.55000	45.000	.7364-01	.1043	.1043	.9500	.3563-02	.5045-02	.4271	4.662	584.8
413	400.00	.60000	46.000	.7554-01	.1064	.1064	.9500	.3654-02	.5147-02	.4441	4.732	583.2
413	400.00	.65000	47.000	.7244-01	.1011	.1011	.9500	.3505-02	.4891-02	.4356	4.538	580.4
413	400.00	.70000	48.000	.6529-01	.9078-01	.9078-01	.9500	.3158-02	.4392-02	.3962	4.293	579.2
413	400.00	.75000	49.000	.6250-01	.8801-01	.8801-01	.9500	.3023-02	.4258-02	.3675	3.916	583.1
413	400.00	.80000	50.000	.7039-01	.9948-01	.9948-01	.9500	.3405-02	.4812-02	.4104	4.308	584.2
413	400.00	.85000	51.000	.3811-01	.5567-01	.5567-01	.9500	.1844-02	.2693-02	.2059	2 487	593.0
413	400.00	.87500	52.000	.2854-01	.4177-01	.4177-01	.9500	.1381-02	.2021-02	.1536	1.855	593.4
413	400.00	.92500	54.000	.1340-01	.2006-01	.2006-01	.9500	.6482-03	.9705-03	.6876-01	.8769	598.6
413	420.00	.28500	18.000	.3081-01	.4273-01	.4273-01	.9500	.1491-02	.2067-02	.1883	2.170	578.3
413	420.00	.33700	19.000	.7903-01	.1154	.1154	.9500	.3823-02	.5585-02	.4270	4.912	593.0
413	420.00	.39000	20.000	.1062	.1566	.1566	.9500	.5137-02	.7575-02	.5624	6.462	595.2
413	420.00	.42600	21.000	.9938-01	.1446	.1446	.9500	.4808-02	.6998-02	.5412	6.195	592.1
413	420.00	.47800	22.000	.9167-01	.1306	.1306	.9500	.4435-02	.6317-02	.5244	5.719	586.4
413	420.00	.53000	23.000	.8307-01	.1165	.1165	.9500	.4019-02	.5634-02	.4940	5.400	581.7
413	420.00	.56700	24.000	.7969-01	.1113	.1113	.9500	.3855-02	.5387-02	.4778	5.098	580.7
413	420.00	.62000	25.000	.7130-01	.9922-01	.9922-01	.9500	.3449-02	.4800-02	.4319	4.611	579.5
413	420.00	.67000	26.000	.6507-01	.8982-01	.8982-01	.9500	.3148-02	.4345-02	.4026	4.304	576.8
413	420.00	.70500	27.000	.6438-01	.8922-01	.8922-01	.9500	.3115-02	.4316-02	.3941	4.170	578.1
413	420.00	.75000	28.000	.5972-01	.8456-01	.8456-01	.9500	.2889-02	.4091-02	.3465	3.726	584.7
413	420.00	.80000	29.000	.5239-01	.7340-01	.7340-01	.9500	.2535-02	.3551-02	.3120	3.377	581.6
413	420.00	.82400	30.000	.1952-01	.2681-01	.2681-01	.9500	.9444-03	.1297-02	.1224	1.678	575.1
413	437.50	.27500	1.0000	.4795-01	.6809-01	.6809-01	.9500	.2320-02	.3294-02	.2764	2.805	585.5
413	442.00	.30000	2.0000	.6809-01	.9775-01	.9775-01	.9500	.3294-02	.4729-02	.3825	3.968	588.6
413	445.00	.32500	3.0000	.6560-01	.9194-01	.9194-01	.9500	.3174-02	.4448-02	.3904	3.933	581.7
413	445.00	.35000	4.0000	.7277-01	.1009	.1009	.9500	.3521-02	.4882-02	.4449	4.532	578.3
413	445.00	.37500	5.0000	.6675-01	.9184-01	.9184-01	.9500	.3229-02	.4443-02	.4165	4.308	575.7
413	445.00	.40000	6.0000	.7152-01	.9875-01	.9875-01	.9500	.3460-02	.4777-02	.4421	4.465	576.9
413	445.00	.42500	7.0000	.6542-01	.9028-01	.9028-01	.9500	.3165-02	.4368-02	.4050	4.129	576.7
413	445.00	.45000	8.0000	.6745-01	.9287-01	.9287-01	.9500	.3263-02	.4493-02	.4200	4.224	576.0
413	445.00	.47500	9.0000	.6184-01	.8377-01	.8377-01	.9500	.2992-02	.4053-02	.4027	4.043	570.1
413	445.00	.50000	10.000	.6002-01	.8141-01	.8141-01	.9500	.2904-02	.3938-02	.3895	3.892	570.5
413	445.00	.52500	11.000	.6227-01	.8457-01	.8457-01	.9500	.3012-02	.4091-02	.4024	4.020	571.1
413	445.00	.55000	12.000	.6081-01	.8200-01	.8200-01	.9500	.2942-02	.3967-02	.4011	3.976	568.3

IH102 56-0 FUSELAGE (R4WV02)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
413	445.00	.60000	13.000	.5551-01	.7430-01	.7430-01	.9500	.2685-02	.3595-02	.3741	3.748	565.4
413	445.00	.65000	14.000	.5401-01	.7256-01	.7256-01	.9500	.2613-02	.3510-02	.3603	3.607	566.8
413	445.00	.70000	15.000	.4484-01	.6009-01	.6009-01	.9500	.2169-02	.2907-02	.3012	2.911	565.8
413	445.00	.75000	16.000	.3592-01	.4853-01	.4853-01	.9500	.1738-02	.2348-02	.2356	2.356	569.1
413	445.00	.80000	17.000	.2253-01	.3053-01	.3053-01	.9500	.1090-02	.1477-02	.1467	1.402	570.1

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
389	1.082	3.010	-4.954	-10.98	10.17	696.7	247.7	.2729	1.730	2323.	.2973-02	.1983-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
389	.2908-01	.1751-01

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
389	355.00	.20000	71.000	.1990	.2655	.2655	.9500	.5786-02	.7720-02	.8046	9.130	557.6
389	355.00	.22500	72.000	.1442	.1895	.1895	.9500	.4193-02	.5511-02	.6194	7.132	551.1
389	355.00	.25000	73.000	.9669-01	.1250	.1250	.9500	.2812-02	.3635-02	.4325	5.074	542.8
389	355.00	.27500	74.000	.7800-01	.1009	.1009	.9500	.2268-02	.2934-02	.3481	4.311	543.2
389	355.00	.80000	75.000	.5629-01	.7347-01	.7347-01	.9500	.1637-02	.2136-02	.2439	2.932	547.7
389	355.00	.85000	76.000	.7991-01	.1054	.1054	.9500	.2323-02	.3063-02	.3350	3.953	552.5
389	355.00	.87500	77.000	.7808-01	.1031	.1031	.9500	.2270-02	.2998-02	.3257	4.249	553.2
389	355.00	.90000	78.000	.8166-01	.1075	.1075	.9500	.2374-02	.3125-02	.3445	4.446	551.6
389	355.00	.92500	79.000	.8350-01	.1095	.1095	.9500	.2428-02	.3185-02	.3560	4.392	550.1
389	355.00	.95000	80.000	.6157-01	.8020-01	.8020-01	.9500	.1790-02	.2332-02	.2684	3.143	546.7
389	372.50	.30000	56.000	.1035	.1349	.1349	.9500	.3009-02	.3921-02	.4506	5.896	546.9
389	372.50	.32500	57.000	.1131	.1486	.1486	.9500	.3289-02	.4320-02	.4799	6.268	550.7
389	372.50	.35000	58.000	.1054	.1381	.1381	.9500	.3065-02	.4016-02	.4506	5.888	549.7
389	372.50	.37500	59.000	.9747-01	.1279	.1279	.9500	.2834-02	.3718-02	.4154	5.428	550.1
389	372.50	.40000	60.000	.9340-01	.1225	.1225	.9500	.2716-02	.3562-02	.3983	5.204	550.0
389	372.50	.42500	61.000	.8798-01	.1150	.1150	.9500	.2558-02	.3343-02	.3797	4.966	548.2
389	372.50	.45000	62.000	.8465-01	.1108	.1108	.9500	.2461-02	.3222-02	.3631	4.691	549.2
389	372.50	.47500	63.000	.7849-01	.1023	.1023	.9500	.2282-02	.2974-02	.3417	4.344	546.9
389	372.50	.50000	64.000	.7493-01	.9771-01	.9771-01	.9500	.2179-02	.2841-02	.3255	4.022	547.3
389	372.50	.52500	65.000	.7076-01	.9243-01	.9243-01	.9500	.2057-02	.2688-02	.3057	3.775	548.1
389	372.50	.55000	66.000	.6672-01	.8700-01	.8700-01	.9500	.1940-02	.2530-02	.2900	3.395	547.2

IH102 56-0/60-TS FUSELAGE (R4WV03)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	. .REF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
389	372.50	.60000	67.000	.5812-01	.7583-01	.7583-01	.9500	.1690-02	.2205-02	.2520	2.831	547.5
389	372.50	.65000	68.000	.5211-01	.6771-01	.6771-01	.9500	.1515-02	.1969-02	.2290	2.683	545.5
389	372.50	.70000	69.000	.5203-01	.6798-01	.6798-01	.9500	.1513-02	.1977-02	.2245	2.496	548.2
389	372.50	.75000	70.000	.6269-01	.8202-01	.8202-01	.9500	.1823-02	.2385-02	.2694	2.993	548.9
389	400.00	.27500	34.000	.7035-01	.9181-01	.9181-01	.9500	.2046-02	.2669-02	.3049	3.645	547.6
389	400.00	.30000	35.000	.8707-01	.1139	.1139	.9500	.2532-02	.3312-02	.3743	4.622	548.8
389	400.00	.32500	36.000	.1035	.1369	.1369	.9500	.3008-02	.3980-02	.4290	5.005	554.0
389	400.00	.35000	37.000	.1013	.1339	.1339	.9500	.2946-02	.3893-02	.4216	4.868	553.6
389	400.00	.37500	38.000	.9009-01	.1181	.1181	.9500	.2620-02	.3434-02	.3848	4.499	549.8
389	400.00	.40000	39.000	.7337-01	.9536-01	.9536-01	.9500	.2133-02	.2773-02	.3223	3.796	545.6
389	400.00	.42500	40.000	.7901-01	.1030	.1030	.9500	.2297-02	.2996-02	.3434	4.062	547.2
389	400.00	.45000	41.000	.7703-01	.1001	.1001	.9500	.2240-02	.2910-02	.3387	3.867	545.5
389	400.00	.47500	42.000	.7955-01	.1035	.1035	.9500	.2313-02	.3010-02	.3479	3.871	546.3
389	400.00	.50000	43.000	.7750-01	.1007	.1007	.9500	.2254-02	.2929-02	.3406	3.791	545.5
389	400.00	.52500	44.000	.7624-01	.1001	.1001	.9500	.2217-02	.2911-02	.3237	3.783	550.6
389	400.00	.55000	45.000	.7847-01	.1029	.1029	.9500	.2282-02	.2991-02	.3351	3.721	549.8
389	400.00	.60000	46.000	.7056-01	.9269-01	.9269-01	.9500	.2052-02	.2695-02	.2992	3.241	550.8
389	400.00	.65000	47.000	.7113-01	.9314-01	.9314-01	.9500	.2068-02	.2708-02	.3049	3.226	549.3
389	400.00	.70000	48.000	.6618-01	.8665-01	.8665-01	.9500	.1924-02	.2520-02	.2837	3.121	549.2
389	400.00	.75000	49.000	.7117-01	.9357-01	.9357-01	.9500	.2069-02	.2721-02	.3010	3.260	551.2
389	400.00	.80000	50.000	.7142-01	.9385-01	.9385-01	.9500	.2077-02	.2729-02	.3026	3.230	550.9
389	400.00	.85000	51.000	.9596-01	.1264	.1264	.9500	.2790-02	.3674-02	.4040	4.981	551.9
389	400.00	.87500	52.000	.6904-01	.9060-01	.9060-01	.9500	.2008-02	.2634-02	.2939	3.626	550.3
389	400.00	.90000	53.000	.5588-01	.7372-01	.7372-01	.9500	.1625-02	.2144-02	.2359	3.243	552.7
389	400.00	.92500	54.000	.5888-01	.7747-01	.7747-01	.9500	.1712-02	.2253-02	.2484	3.243	551.6
389	400.00	.95000	55.000	.5170-01	.6740-01	.6740-01	.9500	.1503-02	.1960-02	.2247	2.272	547.2
389	420.00	.28500	18.000	.1013	.1333	.1333	.9500	.2946-02	.3875-02	.4282	5.002	551.3
389	420.00	.33700	19.000	.1061	.1399	.1399	.9500	.3085-02	.4069-02	.4442	5.213	552.7
389	420.00	.39000	20.000	.9360-01	.1227	.1227	.9500	.2721-02	.3569-02	.3992	4.692	550.0
389	420.00	.42600	21.000	.8132-01	.1061	.1061	.9500	.2364-02	.3085-02	.3528	4.130	547.5
389	420.00	.47800	22.000	.6992-01	.9082-01	.9082-01	.9500	.2033-02	.2641-02	.3077	3.425	545.3
389	420.00	.53000	23.000	.6732-01	.8705-01	.8705-01	.9500	.1958-02	.2531-02	.3009	3.353	543.0
389	420.00	.56700	24.000	.6995-01	.9104-01	.9104-01	.9500	.2034-02	.2647-02	.3059	3.321	546.3
389	420.00	.62000	25.000	.7294-01	.9551-01	.9551-01	.9500	.2121-02	.2777-02	.3127	3.389	549.2
389	420.00	.67000	26.000	.7095-01	.9284-01	.9284-01	.9500	.2063-02	.2700-02	.3048	3.305	548.9
389	420.00	.70500	27.000	.7121-01	.9324-01	.9324-01	.9500	.2070-02	.2711-02	.3051	3.275	549.3
389	420.00	.75000	28.000	.7218-01	.9498-01	.9498-01	.9500	.2099-02	.2762-02	.3045	3.329	551.6
389	420.00	.80000	29.000	.6100-01	.8081-01	.8081-01	.9500	.1774-02	.2350-02	.2520	2.765	554.6
389	420.00	.82400	30.000	.3652-01	.4757-01	.4757-01	.9500	.1062-02	.1383-02	.1593	2.215	546.7
389	437.50	.27500	1.0000	.1028	.1336	.1336	.9500	.2989-02	.3884-02	.4521	4.682	545.4
389	442.00	.30000	2.0000	.9871-01	.1287	.1287	.9500	.2870-02	.3742-02	.4291	4.545	547.2
389	445.00	.32500	3.0000	.8713-01	.1137	.1137	.9500	.2533-02	.3305-02	.3780	3.874	547.5
389	445.00	.35000	4.0000	.8404-01	.1089	.1089	.9500	.2444-02	.3166-02	.3730	3.865	544.0

IH102 56-0/60-TS FUSELAGE

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
389	445.00	.37500	5.0000	.7420-01	.9587-01	.9587-01	.9500	.2158-02	.2787-02	.3326	3.497	542.5
389	445.00	.40000	6.0000	.7848-01	.1013	.1013	.9500	.2282-02	.2945-02	.3532	3.630	541.9
389	445.00	.42500	7.0000	.6940-01	.9006-01	.9006-01	.9500	.2018-02	.2619-02	.3065	3.175	544.8
389	445.00	.45000	8.0000	.6755-01	.8719-01	.8719-01	.9500	.1964-02	.2535-02	.3038	3.108	542.0
389	445.00	.47500	9.0000	.6050-01	.7733-01	.7733-01	.9500	.1759-02	.2249-02	.2816	2.875	536.6
389	445.00	.50000	10.000	.5691-01	.7314-01	.7314-01	.9500	.1655-02	.2127-02	.2599	2.637	539.6
389	445.00	.52500	11.000	.5750-01	.7413-01	.7413-01	.9500	.1672-02	.2155-02	.2596	2.632	541.4
389	445.00	.55000	12.000	.5519-01	.7097-01	.7097-01	.9500	.1605-02	.2063-02	.2515	2.529	539.9
389	445.00	.60000	13.000	.4551-01	.5865-01	.5865-01	.9500	.1323-02	.1705-02	.2058	2.087	541.2
389	445.00	.65000	14.000	.4691-01	.6090-01	.6090-01	.9500	.1364-02	.1771-02	.2070	2.095	545.0
389	445.00	.70000	15.000	.4892-01	.6392-01	.6392-01	.9500	.1423-02	.1859-02	.2112	2.060	548.2
389	445.00	.75000	16.000	.4760-01	.6224-01	.6224-01	.9500	.1384-02	.1810-02	.2049	2.071	548.6
389	445.00	.80000	17.000	.2808-01	.3693-01	.3693-01	.9500	.8163-03	.1074-02	.1186	1.144	551.4

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
394	3.874	3.010	-5.021	-11.03	36.88	702.7	249.9	.9891	6.273	2333.	.1068-01	.1999-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
394	.5544-01	.9250-02

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
394	355.00	.20000	71.000	.1738	.2780	.2780	.9500	.9635-02	.1541-01	.9030	9.989	608.9
394	355.00	.22500	72.000	.1747	.2611	.2611	.9500	.9685-02	.1448-01	1.028	11.74	596.5
394	355.00	.25000	73.000	.1485	.2126	.2126	.9500	.8234-02	.1179-01	.9595	11.02	596.1
394	355.00	.27500	74.000	.1293	.1860	.1860	.9500	.7171-02	.1031-01	.8267	10.01	587.4
394	355.00	.80000	75.000	.6217-01	.8498-01	.8498-01	.9500	.3447-02	.4712-02	.4512	5.359	571.8
394	355.00	.85000	76.000	.7960-01	.1118	.1118	.9500	.4413-02	.6199-02	.5382	6.262	580.7
394	355.00	.87500	77.000	.7631-01	.1094	.1094	.9500	.4231-02	.6065-02	.4915	6.306	586.5
394	355.00	.90000	78.000	.8371-01	.1207	.1207	.9500	.4642-02	.6693-02	.5320	6.741	588.1
394	355.00	.92500	79.000	.8968-01	.1291	.1291	.9500	.4972-02	.7156-02	.5725	6.933	587.5
394	355.00	.95000	80.000	.7217-01	.1013	.1013	.9500	.4001-02	.5615-02	.4892	5.632	580.4
394	372.50	.30000	56.000	.1352	.1961	.1961	.9500	.7495-02	.1088-01	.8474	10.85	589.6
394	372.50	.32500	57.000	.1339	.1957	.1957	.9500	.7425-02	.1085-01	.8264	10.58	591.4
394	372.50	.35000	58.000	.1251	.1807	.1807	.9500	.6939-02	.1002-01	.7930	10.16	588.4
394	372.50	.37500	59.000	.1201	.1726	.1726	.9500	.6657-02	.9570-02	.7684	9.855	587.2
394	372.50	.40000	60.000	.1147	.1648	.1648	.9500	.6357-02	.9136-02	.7343	9.418	587.2
394	372.50	.42500	61.000	.1085	.1545	.1545	.9500	.6015-02	.8564-02	.7099	9.117	584.6
394	372.50	.45000	62.000	.1047	.1489	.1489	.9500	.5806-02	.8254-02	.6877	8.730	584.2
394	372.50	.47500	63.000	.9891-01	.1396	.1396	.9500	.5484-02	.7742-02	.6604	8.248	582.2
394	372.50	.50000	64.000	.9663-01	.1354	.1354	.9500	.5358-02	.7509-02	.6571	7.988	580.0
394	372.50	.52500	65.000	.9078-01	.1270	.1270	.9500	.5034-02	.7043-02	.6199	7.537	579.5
394	372.50	.55000	66.000	.8752-01	.1211	.1211	.9500	.4852-02	.6712-02	.6154	7.102	575.8

IH102 56-0/60-TS FUSELAGE

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
394	372.50	.60000	67.000	.7710-01	.1054	.1054	.9500	.4275-02	.5845-02	.5590	6.202	571.9
394	372.50	.65000	68.000	.6818-01	.9270-01	.9270-01	.9500	.3780-02	.5140-02	.5021	5.811	569.9
394	372.50	.70000	69.000	.6885-01	.9354-01	.9354-01	.9500	.3817-02	.5186-02	.5080	5.587	569.6
394	372.50	.75000	70.000	.7915-01	.1085	.1085	.9500	.4389-02	.6017-02	.5698	6.256	572.8
394	400.00	.20000	31.000	.5807-01	.7779-01	.7779-01	.9500	.3220-02	.4313-02	.4462	4.686	564.1
394	400.00	.22500	32.000	.1361	.1961	.1961	.9500	.7546-02	.1087-01	.8664	9.490	587.8
394	400.00	.25000	33.000	.1569	.2273	.2273	.9500	.8700-02	.1260-01	.9869	10.80	589.2
394	400.00	.27500	34.000	.1478	.2141	.2141	.9500	.8196-02	.1187-01	.9308	10.90	589.1
394	400.00	.30000	35.000	.1354	.1948	.1948	.9500	.7508-02	.1080-01	.8651	10.48	587.4
394	400.00	.32500	36.000	.1443	.2102	.2102	.9500	.8002-02	.1165-01	.8973	10.28	590.5
394	400.00	.35000	37.000	.1377	.1989	.1989	.9500	.7633-02	.1103-01	.8705	9.878	588.6
394	400.00	.37500	38.000	.1263	.1795	.1795	.9500	.7005-02	.9951-02	.8311	9.552	584.0
394	400.00	.40000	39.000	.1036	.1428	.1428	.9500	.5743-02	.7916-02	.7349	8.530	574.7
394	400.00	.42500	40.000	.1079	.1513	.1513	.9500	.5980-02	.8387-02	.7321	8.520	580.2
394	400.00	.45000	41.000	.1094	.1521	.1521	.9500	.6067-02	.8431-02	.7600	8.539	577.4
394	400.00	.47500	42.000	.1109	.1539	.1539	.9500	.6148-02	.8531-02	.7733	8.473	576.9
394	400.00	.50000	43.000	.1050	.1455	.1455	.9500	.5824-02	.8067-02	.7357	8.063	576.3
394	400.00	.52500	44.000	.9899-01	.1384	.1384	.9500	.5489-02	.7676-02	.6768	7.796	579.4
394	400.00	.55000	45.000	.1019	.1417	.1417	.9500	.5648-02	.7856-02	.7058	7.731	577.7
394	400.00	.60000	46.000	.1008	.1395	.1395	.9500	.5589-02	.7735-02	.7076	7.567	576.1
394	400.00	.65000	47.000	.9518-01	.1307	.1307	.9500	.5277-02	.7248-02	.6818	7.127	573.5
394	400.00	.70000	48.000	.8599-01	.1180	.1180	.9500	.4768-02	.6541-02	.6178	6.715	573.1
394	400.00	.75000	49.000	.8558-01	.1176	.1176	.9500	.4745-02	.6520-02	.6122	6.555	573.6
394	400.00	.80000	50.000	.8467-01	.1165	.1165	.9500	.4695-02	.6460-02	.6037	6.370	574.1
394	400.00	.85000	51.000	.7943-01	.1132	.1132	.9500	.4404-02	.6275-02	.5190	6.294	584.8
394	400.00	.87500	52.000	.7232-01	.1022	.1022	.9500	.4010-02	.5666-02	.4819	5.850	582.5
394	400.00	.90000	53.000	.6744-01	.9765-01	.9765-01	.9500	.3739-02	.5414-02	.4246	5.781	589.1
394	400.00	.92500	54.000	.7334-01	.1067	.1067	.9500	.4066-02	.5913-02	.4574	5.858	590.2
394	400.00	.95000	55.000	.6855-01	.9582-01	.9582-01	.9500	.3801-02	.5313-02	.4691	4.668	579.2
394	420.00	.28500	18.000	.1502	.2164	.2164	.9500	.8327-02	.1200-01	.9567	10.97	587.8
394	420.00	.33700	19.000	.1367	.1959	.1959	.9500	.7582-02	.1086-01	.8823	10.18	586.3
394	420.00	.39000	20.000	.1243	.1754	.1754	.9500	.6892-02	.9724-02	.8315	9.616	582.0
394	420.00	.42600	21.000	.1118	.1562	.1562	.9500	.6197-02	.8659-02	.7657	8.821	579.1
394	420.00	.47800	22.000	.1033	.1429	.1429	.9500	.5727-02	.7925-02	.7256	7.954	576.0
394	420.00	.53000	23.000	.9603-01	.1313	.1313	.9500	.5324-02	.7282-02	.6959	7.644	572.0
394	420.00	.56700	24.000	.9504-01	.1302	.1302	.9500	.5270-02	.7216-02	.6864	7.354	572.4
394	420.00	.62000	25.000	.9242-01	.1271	.1271	.9500	.5124-02	.7045-02	.6602	7.068	573.8
394	420.00	.67000	26.000	.8787-01	.1201	.1201	.9500	.4872-02	.6661-02	.6374	6.831	571.8
394	420.00	.70500	27.000	.8749-01	.1198	.1198	.9500	.4851-02	.6645-02	.6312	6.697	572.5
394	420.00	.75000	28.000	.8964-01	.1240	.1240	.9500	.4970-02	.6876-02	.6298	6.802	576.0
394	420.00	.80000	29.000	.7804-01	.1074	.1074	.9500	.4327-02	.5955-02	.5561	6.041	574.2
394	420.00	.82400	30.000	.4764-01	.6501-01	.6501-01	.9500	.2641-02	.3604-02	.3473	4.771	571.2
394	437.50	.27500	1.0000	.1442	.2032	.2032	.9500	.7996-02	.1127-01	.9679	9.842	581.6

IH102 56-0/60-TS FUSELAGE

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
394	442.00	.30000	2.0000	.1265	.1780	.1780	.9500	.7013-02	.9868-02	.8517	8.868	581.2
394	445.00	.32500	3.0000	.1059	.1474	.1474	.9500	.5873-02	.8175-02	.7325	7.394	577.9
394	445.00	.35000	4.0000	.1050	.1444	.1444	.9500	.5824-02	.8007-02	.7505	7.661	573.8
394	445.00	.37500	5.0000	.9638-01	.1320	.1320	.9500	.5344-02	.7319-02	.6956	7.207	572.5
394	445.00	.40000	6.0000	.1001	.1372	.1372	.9500	.5548-02	.7608-02	.7197	7.283	572.9
394	445.00	.42500	7.0000	.9294-01	.1278	.1278	.9500	.5153-02	.7083-02	.6644	6.783	573.7
394	445.00	.45000	8.0000	.9293-01	.1270	.1270	.9500	.5152-02	.7041-02	.6748	6.801	571.7
394	445.00	.47500	9.0000	.8421-01	.1133	.1133	.9500	.4669-02	.6280-02	.6394	6.434	565.7
394	445.00	.50000	10.000	.8111-01	.1093	.1093	.9500	.4497-02	.6060-02	.6126	6.134	566.4
394	445.00	.52500	11.000	.8233-01	.1112	.1112	.9500	.4565-02	.6165-02	.6178	6.184	567.3
394	445.00	.55000	12.000	.7955-01	.1067	.1067	.9500	.4411-02	.5914-02	.6097	6.056	564.4
394	445.00	.60000	13.000	.7047-01	.9410-01	.9410-01	.9500	.3907-02	.5217-02	.5465	5.483	562.8
394	445.00	.65000	14.000	.7191-01	.9675-01	.9675-01	.9500	.3987-02	.5364-02	.5456	5.465	565.8
394	445.00	.70000	15.000	.7077-01	.9569-01	.9569-01	.9500	.3924-02	.5306-02	.5294	5.112	567.8
394	445.00	.75000	16.000	.6844-01	.9289-01	.9289-01	.9500	.3795-02	.5150-02	.5064	5.064	569.2
394	445.00	.80000	17.000	.6805-01	.9211-01	.9211-01	.9500	.3773-02	.5107-02	.5075	4.857	568.2

IH102 56-0/60-TS FUSELAGE

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .000) SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
393	3.873	3.010	-4.959	-5.924	36.80	701.7	249.5	.9868	6.259	2331.	.1067-01	.1997-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
393	.5537-01	.9252-02

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
393	355.00	.20000	71.000	.6469-01	.8946-01	.8946-01	.9500	.3582-02	.4953-02	.4539	5.106	575.0
393	355.00	.22500	72.000	.1018	.1440	.1440	.9500	.5635-02	.7972-02	.6745	7.760	582.0
393	355.00	.25000	73.000	.1134	.1588	.1588	.9500	.6276-02	.8794-02	.7691	8.861	579.1
393	355.00	.27500	74.000	.1082	.1551	.1551	.9500	.5992-02	.8589-02	.6951	8.426	585.7
393	355.00	.80000	75.000	.5882-01	.7976-01	.7976-01	.9500	.3257-02	.4416-02	.4352	5.177	568.0
393	355.00	.85000	76.000	.7834-01	.1097	.1097	.9500	.4338-02	.6071-02	.5329	6.206	578.8
393	355.00	.87500	77.000	.7428-01	.1052	.1052	.9500	.4113-02	.5823-02	.4914	6.318	582.2
393	355.00	.90000	78.000	.7037-01	.9862-01	.9862-01	.9500	.3896-02	.5460-02	.4773	6.074	579.2
393	355.00	.92500	79.000	.6679-01	.9283-01	.9283-01	.9500	.3698-02	.5140-02	.4625	5.632	576.6
393	355.00	.95000	80.000	.4962-01	.6762-01	.6762-01	.9500	.2747-02	.3744-02	.3620	4.190	569.9
393	372.50	.30000	56.000	.1061	.1502	.1502	.9500	.5874-02	.8314-02	.7021	9.027	582.1
393	372.50	.32500	57.000	.1120	.1604	.1604	.9500	.6200-02	.8879-02	.7210	9.255	585.4
393	372.50	.35000	58.000	.1052	.1497	.1497	.9500	.5823-02	.8288-02	.6867	8.822	583.7
393	372.50	.37500	59.000	.1030	.1466	.1466	.9500	.5702-02	.8117-02	.6726	8.641	583.7
393	372.50	.40000	60.000	.9882-01	.1414	.1414	.9500	.5471-02	.7828-02	.6375	8.184	585.1
393	372.50	.42500	61.000	.9362-01	.1328	.1328	.9500	.5184-02	.7352-02	.6167	7.927	582.7
393	372.50	.45000	62.000	.9044-01	.1281	.1281	.9500	.5008-02	.7092-02	.5978	7.596	582.3
393	372.50	.47500	63.000	.8630-01	.1209	.1209	.9500	.4778-02	.6693-02	.5859	7.329	579.1
393	372.50	.50000	64.000	.8513-01	.1186	.1186	.9500	.4713-02	.6567-02	.5859	7.132	577.4
393	372.50	.52500	65.000	.8034-01	.1118	.1118	.9500	.4448-02	.6190-02	.5547	6.753	577.0
393	372.50	.55000	66.000	.7825-01	.1078	.1078	.9500	.4332-02	.5970-02	.5541	6.400	573.8

IH102 56-0/60-TS FUSELAGE

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=AW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
393	372.50	.60000	67.000	.7082-01	.9659-01	.9659-01	.9500	.3921-02	.5348-02	.5156	5.725	570.2
393	372.50	.65000	68.000	.6246-01	.8461-01	.8461-01	.9500	.3458-02	.4685-02	.4634	5.370	567.7
393	372.50	.70000	69.000	.6311-01	.8535-01	.8535-01	.9500	.3495-02	.4726-02	.4706	5.182	567.0
393	372.50	.75000	70.000	.7415-01	.1010	.1010	.9500	.4105-02	.5594-02	.5411	5.950	569.9
393	400.00	.20000	31.000	.1483	.2200	.2200	.9500	.8211-02	.1218-01	.8843	9.151	594.0
393	400.00	.22500	32.000	.1447	.2069	.2069	.9500	.8014-02	.1146-01	.9355	10.26	584.9
393	400.00	.25000	33.000	.1173	.1630	.1630	.9500	.6496-02	.9025-02	.8132	8.957	576.5
393	400.00	.27500	34.000	.1175	.1656	.1656	.9500	.6503-02	.9166-02	.7852	9.232	580.9
393	400.00	.30000	35.000	.1079	.1509	.1509	.9500	.5975-02	.8356-02	.7356	8.949	578.6
393	400.00	.32500	36.000	.1149	.1623	.1623	.9500	.6362-02	.8989-02	.7637	8.787	581.6
393	400.00	.35000	37.000	.1088	.1533	.1533	.9500	.6026-02	.8487-02	.7288	8.303	580.7
393	400.00	.37500	38.000	.1002	.1391	.1391	.9500	.5548-02	.7704-02	.6956	8.025	576.3
393	400.00	.40000	39.000	.7962-01	.1080	.1080	.9500	.4408-02	.5981-02	.5881	6.848	568.3
393	400.00	.42500	40.000	.8411-01	.1155	.1155	.9500	.4657-02	.6398-02	.6006	7.015	572.7
393	400.00	.45000	41.000	.8161-01	.1113	.1113	.9500	.4519-02	.6161-02	.5948	6.708	570.0
393	400.00	.47500	42.000	.8231-01	.1121	.1121	.9500	.4557-02	.6206-02	.6016	6.615	569.7
393	400.00	.50000	43.000	.7691-01	.1043	.1043	.9500	.4258-02	.5772-02	.5696	6.270	567.9
393	400.00	.52500	44.000	.7111-01	.9741-01	.9741-01	.9500	.3937-02	.5393-02	.5116	5.916	571.7
393	400.00	.55000	45.000	.7380-01	.1008	.1008	.9500	.4086-02	.5578-02	.5358	5.889	570.5
393	400.00	.60000	46.000	.7746-01	.1058	.1058	.9500	.4289-02	.5856-02	.5623	6.030	570.6
393	400.00	.65000	47.000	.7761-01	.1055	.1055	.9500	.4297-02	.5842-02	.5702	5.973	569.0
393	400.00	.70000	48.000	.7011-01	.9524-01	.9524-01	.9500	.3882-02	.5273-02	.5160	5.621	568.7
393	400.00	.75000	49.000	.7197-01	.9790-01	.9790-01	.9500	.3985-02	.5420-02	.5280	5.666	569.2
393	400.00	.80000	50.000	.7535-01	.1027	.1027	.9500	.4172-02	.5688-02	.5492	5.806	570.0
393	400.00	.85000	51.000	.4910-01	.6679-01	.6679-01	.9500	.2719-02	.3698-02	.3601	4.402	569.2
393	400.00	.87500	52.000	.4463-01	.6087-01	.6087-01	.9500	.2471-02	.3370-02	.3250	3.970	570.2
393	400.00	.90000	53.000	.4258-01	.5898-01	.5898-01	.9500	.2357-02	.3265-02	.2975	4.077	575.5
393	400.00	.92500	54.000	.5160-01	.7182-01	.7182-01	.9500	.2957-02	.3976-02	.3561	4.590	577.0
393	400.00	.95000	55.000	.4877-01	.6657-01	.6657-01	.9500	.2700-02	.3686-02	.3543	3.540	570.5
393	420.00	.28500	18.000	.9666-01	.1342	.1342	.9500	.5352-02	.7430-02	.6714	7.746	576.2
393	420.00	.33700	19.000	.1037	.1461	.1461	.9500	.5743-02	.8087-02	.6952	8.046	580.6
393	420.00	.39000	20.000	.9808-01	.1369	.1369	.9500	.5431-02	.7579-02	.6721	7.789	577.9
393	420.00	.42600	21.000	.8734-01	.1209	.1209	.9500	.4836-02	.6692-02	.6116	7.060	575.2
393	420.00	.47800	22.000	.7776-01	.1059	.1059	.9500	.4305-02	.5864-02	.5682	6.249	569.7
393	420.00	.53000	23.000	.7118-01	.9570-01	.9570-01	.9500	.3941-02	.5299-02	.5397	5.950	564.7
393	420.00	.56700	24.000	.6984-01	.9393-01	.9393-01	.9500	.3867-02	.5201-02	.5289	5.688	564.9
393	420.00	.62000	25.000	.6937-01	.9353-01	.9353-01	.9500	.3841-02	.5178-02	.5218	5.608	565.8
393	420.00	.67000	26.000	.6306-01	.8469-01	.8469-01	.9500	.3491-02	.4689-02	.4796	5.159	564.3
393	420.00	.70500	27.000	.6274-01	.8449-01	.8449-01	.9500	.3474-02	.4678-02	.4733	5.040	565.4
393	420.00	.75000	28.000	.6524-01	.8865-01	.8865-01	.9500	.3612-02	.4908-02	.4800	5.202	568.8
393	420.00	.80000	29.000	.6331-01	.8641-01	.8641-01	.9500	.3505-02	.4784-02	.4601	5.008	570.4
393	420.00	.82400	30.000	.3075-01	.4113-01	.4113-01	.9500	.1703-02	.2277-02	.2368	3.267	562.6
393	437.50	.27500	1.0000	.7527-01	.9992-01	.9992-01	.9500	.4168-02	.5532-02	.5928	6.095	559.4

IH102 56-0/60-TS FUSELAGE

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
393	442.00	.30000	2.0000	.7759-01	.1045	.1045	.9500	.4296-02	.5788-02	.5847	6.136	565.6
393	445.00	.32500	3.0000	.8098-01	.1107	.1107	.9500	.4484-02	.6127-02	.5865	5.940	570.9
393	445.00	.35000	4.0000	.8296-01	.1126	.1126	.9500	.4594-02	.6237-02	.6117	6.261	568.5
393	445.00	.37500	5.0000	.7982-01	.1087	.1087	.9500	.4419-02	.6019-02	.5835	6.053	569.7
393	445.00	.40000	6.0000	.8549-01	.1170	.1170	.9500	.4733-02	.6477-02	.6168	6.246	571.3
393	445.00	.42500	7.0000	.7920-01	.1088	.1088	.9500	.4385-02	.6025-02	.5651	5.771	572.8
393	445.00	.45000	8.0000	.7982-01	.1091	.1091	.9500	.4419-02	.6039-02	.5781	5.929	570.9
393	445.00	.47500	9.0000	.7179-01	.9658-01	.9658-01	.9500	.3975-02	.5347-02	.5435	5.471	565.0
393	445.00	.50000	10.000	.6827-01	.9210-01	.9210-01	.9500	.3780-02	.5099-02	.5125	5.133	566.1
393	445.00	.52500	11.000	.7030-01	.9506-01	.9506-01	.9500	.3893-02	.5263-02	.5244	5.250	566.9
393	445.00	.55000	12.000	.6814-01	.9152-01	.9152-01	.9500	.3773-02	.5067-02	.5181	5.147	564.3
393	445.00	.60000	13.000	.5924-01	.7909-01	.7909-01	.9500	.3280-02	.4379-02	.4585	4.601	561.9
393	445.00	.65000	14.000	.5705-01	.7641-01	.7641-01	.9500	.3159-02	.4230-02	.4376	4.389	563.2
393	445.00	.70000	15.000	.5328-01	.7154-01	.7154-01	.9500	.2950-02	.3961-02	.4056	3.923	564.2
393	445.00	.75000	16.000	.5041-01	.6779-01	.6779-01	.9500	.2791-02	.3754-02	.3820	3.828	564.8
393	445.00	.80000	17.000	.6317-01	.8642-01	.8642-01	.9500	.3497-02	.4785-02	.4560	4.357	571.3

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
387	1.067	3.010	-4.992	-.6961-02	10.05	697.7	248.1	.2696	1.710	2324.	.2932-02	.1986-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
387	.2891-01	.1764-01

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
387	355.00	.22500	72.000	.1525-01	.2005-01	.2005-01	.9500	.4407-03	.5796-03	.6418-01	.7496	552.0
387	355.00	.25000	73.000	.2624-01	.3409-01	.3409-01	.9500	.7585-03	.9856-03	.1148	1.345	546.3
387	355.00	.27500	74.000	.3156-01	.4098-01	.4098-01	.9500	.9123-03	.1185-02	.1384	1.711	546.0
387	355.00	.80000	75.000	.3951-01	.5151-01	.5151-01	.9500	.1142-02	.1489-02	.1710	2.056	547.9
387	355.00	.85000	76.000	.6264-01	.8258-01	.8258-01	.9500	.1811-02	.2387-02	.2617	3.086	553.2
387	355.00	.87500	77.000	.3333-01	.4438-01	.4438-01	.9500	.9636-03	.1283-02	.1351	1.758	557.5
387	355.00	.90000	78.000	.3341-01	.4382-01	.4382-01	.9500	.9659-03	.1267-02	.1418	1.830	550.9
387	355.00	.92500	79.000	.3489-01	.4563-01	.4563-01	.9500	.1009-02	.1319-02	.1495	1.846	549.4
387	355.00	.95000	80.000	.2802-01	.3639-01	.3639-01	.9500	.8099-03	.1052-02	.1228	1.439	546.0
387	372.50	.30000	56.000	.6365-01	.8318-01	.8318-01	.9500	.1840-02	.2404-02	.2734	3.574	549.1
387	372.50	.32500	57.000	.5760-01	.7557-01	.7557-01	.9500	.1665-02	.2185-02	.2442	3.189	551.0
387	372.50	.35000	58.000	.5534-01	.7253-01	.7253-01	.9500	.1600-02	.2097-02	.2355	3.077	550.4
387	372.50	.37500	59.000	.5603-01	.7353-01	.7353-01	.9500	.1620-02	.2126-02	.2378	3.100	551.1
387	372.50	.40000	60.000	.5801-01	.7610-01	.7610-01	.9500	.1677-02	.2200-02	.2461	3.214	550.9
387	372.50	.42500	61.000	.5647-01	.7385-01	.7385-01	.9500	.1633-02	.2135-02	.2420	3.163	549.4
387	372.50	.45000	62.000	.5515-01	.7221-01	.7221-01	.9500	.1594-02	.2087-02	.2353	3.039	550.1
387	372.50	.47500	63.000	.5134-01	.6699-01	.6699-01	.9500	.1484-02	.1937-02	.2216	2.815	548.3
387	372.50	.50000	64.000	.4951-01	.6463-01	.6463-01	.9500	.1431-02	.1868-02	.2134	2.635	548.6
387	372.50	.52500	65.000	.4703-01	.6150-01	.6150-01	.9500	.1360-02	.1778-02	.2017	2.489	549.3
387	372.50	.55000	66.000	.4558-01	.5950-01	.5950-01	.9500	.1318-02	.1720-02	.1964	2.298	548.6
387	372.50	.60000	67.000	.3068-01	.4042-01	.4042-01	.9500	.8869-03	.1168-02	.1284	1.439	552.9

IH102 56-0/60-TS FUSELAGE

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
387	372.50	.65000	68.000	.3849-01	.5024-01	.5024-01	.9500	.1113-02	.1452-02	.1659	1.941	548.5
387	372.50	.70000	69.000	.3833-01	.5019-01	.5019-01	.9500	.1108-02	.1451-02	.1636	1.817	550.0
387	372.50	.75000	70.000	.3641-01	.4810-01	.4810-01	.9500	.1052-02	.1390-02	.1510	1.674	554.1
387	400.00	.20000	31.000	.7567-01	.9953-01	.9953-01	.9500	.2187-02	.2877-02	.3182	3.362	552.2
387	400.00	.22500	32.000	.1062	.1414	.1414	.9500	.3071-02	.4087-02	.4307	4.789	557.4
387	400.00	.25000	33.000	.6310-01	.8319-01	.8319-01	.9500	.1824-02	.2405-02	.2634	2.935	553.2
387	400.00	.27500	34.000	.4899-01	.6448-01	.6448-01	.9500	.1416-02	.1864-02	.2056	2.452	552.5
387	400.00	.30000	35.000	.5863-01	.7715-01	.7715-01	.9500	.1695-02	.2230-02	.2462	3.035	552.4
387	400.00	.32500	36.000	.7791-01	.1033	.1033	.9500	.2252-02	.2987-02	.3194	3.722	555.9
387	400.00	.35000	37.000	.7576-01	.1002	.1002	.9500	.2190-02	.2897-02	.3130	3.613	554.7
387	400.00	.37500	38.000	.7073-01	.9289-01	.9289-01	.9500	.2045-02	.2685-02	.2989	3.491	551.5
387	400.00	.40000	39.000	.5816-01	.7574-01	.7574-01	.9500	.1681-02	.2189-02	.2526	2.973	547.4
387	400.00	.42500	40.000	.6181-01	.8080-01	.8080-01	.9500	.1787-02	.2336-02	.2653	3.135	549.2
387	400.00	.45000	41.000	.5829-01	.7592-01	.7592-01	.9500	.1685-02	.2195-02	.2531	2.887	547.5
387	400.00	.47500	42.000	.5681-01	.7410-01	.7410-01	.9500	.1642-02	.2142-02	.2455	2.729	548.2
387	400.00	.50000	43.000	.5285-01	.6884-01	.6884-01	.9500	.1528-02	.1990-02	.2295	2.551	547.5
387	400.00	.52500	44.000	.4771-01	.6260-01	.6260-01	.9500	.1379-02	.1810-02	.2022	2.363	551.0
387	400.00	.55000	45.000	.4825-01	.6325-01	.6325-01	.9500	.1395-02	.1828-02	.2052	2.279	550.5
387	400.00	.60000	46.000	.4729-01	.6209-01	.6209-01	.9500	.1367-02	.1795-02	.2000	2.166	551.3
387	400.00	.65000	47.000	.4339-01	.5693-01	.5693-01	.9500	.1254-02	.1646-02	.1839	1.944	551.0
387	400.00	.70000	48.000	.3825-01	.5018-01	.5018-01	.9500	.1106-02	.1451-02	.1621	1.782	551.0
387	400.00	.75000	49.000	.3852-01	.5059-01	.5059-01	.9500	.1113-02	.1463-02	.1627	1.762	551.5
387	400.00	.80000	50.000	.4259-01	.5589-01	.5589-01	.9500	.1231-02	.1616-02	.1805	1.927	551.1
387	400.00	.85000	51.000	.3261-01	.4278-01	.4278-01	.9500	.9428-03	.1237-02	.1384	1.707	550.9
387	400.00	.87500	52.000	.3604-01	.4715-01	.4715-01	.9500	.1042-02	.1363-02	.1542	1.903	549.6
387	400.00	.90000	53.000	.4372-01	.5742-01	.5742-01	.9500	.1264-02	.1660-02	.1849	2.565	551.4
387	400.00	.92500	54.000	.4825-01	.6324-01	.6324-01	.9500	.1395-02	.1828-02	.2054	2.683	550.4
387	400.00	.95000	55.000	.4063-01	.5284-01	.5284-01	.9500	.1175-02	.1527-02	.1773	1.794	546.7
387	420.00	.28500	18.000	.2958-01	.3887-01	.3887-01	.9500	.8550-03	.1124-02	.1248	1.458	551.7
387	420.00	.33700	19.000	.6958-01	.9166-01	.9166-01	.9500	.2011-02	.2650-02	.2912	3.417	552.9
387	420.00	.39000	20.000	.8451-01	.1109	.1109	.9500	.2443-02	.3207-02	.3577	4.201	551.3
387	420.00	.42600	21.000	.7490-01	.9808-01	.9808-01	.9500	.2165-02	.2835-02	.3195	3.735	550.1
387	420.00	.47800	22.000	.6779-01	.8846-01	.8846-01	.9500	.1960-02	.2557-02	.2926	3.253	548.3
387	420.00	.53000	23.000	.6184-01	.8036-01	.8036-01	.9500	.1788-02	.2323-02	.2705	3.010	546.3
387	420.00	.56700	24.000	.5963-01	.7785-01	.7785-01	.9500	.1724-02	.2251-02	.2569	2.785	548.7
387	420.00	.62000	25.000	.5508-01	.7221-01	.7221-01	.9500	.1592-02	.2087-02	.2341	2.535	550.7
387	420.00	.67000	26.000	.5693-01	.7460-01	.7460-01	.9500	.1646-02	.2156-02	.2424	2.626	550.4
387	420.00	.70500	27.000	.5922-01	.7769-01	.7769-01	.9500	.1712-02	.2246-02	.2511	2.693	551.0
387	420.00	.75000	28.000	.5891-01	.7757-01	.7757-01	.9500	.1703-02	.2242-02	.2469	2.698	552.7
387	420.00	.80000	29.000	.5307-01	.7008-01	.7008-01	.9500	.1534-02	.2026-02	.2205	2.420	553.9
387	420.00	.82400	30.000	.3176-01	.4142-01	.4142-01	.9500	.9182-03	.1197-02	.1373	1.908	548.1
387	437.50	.27500	1.0000	.2483-01	.3237-01	.3237-01	.9500	.7177-03	.9358-03	.1074	1.111	548.0
387	442.00	.30000	2.0000	.1191-01	.1551-01	.1551-01	.9500	.3442-03	.4482-03	.5171-01	.5476	547.4

IH102 56-0/60-TS FUSELAGE

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
387	445.00	.35000	4.0000	.8307-02	.1073-01	.1073-01	.9500	.2401-03	.3101-03	.3711-01	.3847	543.1
387	445.00	.37500	5.0000	.2925-01	.3776-01	.3776-01	.9500	.8456-03	.1091-02	.1310	1.377	542.8
387	445.00	.45000	8.0000	.7123-01	.9225-01	.9225-01	.9500	.2059-02	.2667-02	.3152	3.220	544.6
387	445.00	.47500	9.0000	.5248-01	.6734-01	.6734-01	.9500	.1517-02	.1947-02	.2399	2.446	539.6
387	445.00	.50000	10.000	.4969-01	.6403-01	.6403-01	.9500	.1436-02	.1851-02	.2238	2.269	541.9
387	445.00	.52500	11.000	.4990-01	.6445-01	.6445-01	.9500	.1442-02	.1863-02	.2229	2.258	543.1
387	445.00	.55000	12.000	.4895-01	.6311-01	.6311-01	.9500	.1415-02	.1824-02	.2200	2.210	542.2
387	445.00	.60000	13.000	.4588-01	.5930-01	.5930-01	.9500	.1326-02	.1714-02	.2044	2.070	543.6
387	445.00	.65000	14.000	.5251-01	.6831-01	.6831-01	.9500	.1518-02	.1975-02	.2288	2.314	546.9
387	445.00	.70000	15.000	.5368-01	.7021-01	.7021-01	.9500	.1552-02	.2030-02	.2298	2.239	549.6
387	445.00	.75000	16.000	.5461-01	.7149-01	.7149-01	.9500	.1579-02	.2067-02	.2332	2.354	550.0
387	445.00	.80000	17.000	.3648-01	.4802-01	.4802-01	.9500	.1055-02	.1388-02	.1531	1.477	552.5

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
392	3.827	3.010	-4.924	.1373-01	36.13	698.7	248.5	.9690	6.145	2326.	.1053-01	.1989-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
392	.5482-01	.9311-02

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
392	355.00	.20000	71.000	.3446-01	.4560-01	.4560-01	.9500	.1889-02	.2500-02	.2701	3.068	555.7
392	355.00	.22500	72.000	.6871-01	.9220-01	.9220-01	.9500	.3767-02	.5055-02	.5166	6.004	561.5
392	355.00	.25000	73.000	.7017-01	.9338-01	.9338-01	.9500	.3847-02	.5119-02	.5409	6.297	558.1
392	355.00	.27500	74.000	.6557-01	.8816-01	.8816-01	.9500	.3595-02	.4833-02	.4902	6.011	562.3
392	355.00	.80000	75.000	.5327-01	.7157-01	.7157-01	.9500	.2920-02	.3924-02	.3989	4.760	562.1
392	355.00	.85000	76.000	.6323-01	.8665-01	.8665-01	.9500	.3466-02	.4750-02	.4480	5.242	569.4
392	355.00	.87500	77.000	.4993-01	.6824-01	.6824-01	.9500	.2737-02	.3741-02	.3564	4.614	568.5
392	355.00	.90000	78.000	.4868-01	.6603-01	.6603-01	.9500	.2669-02	.3620-02	.3549	4.548	565.7
392	355.00	.92500	79.000	.5673-01	.7707-01	.7707-01	.9500	.3110-02	.4225-02	.4115	5.037	566.3
392	355.00	.95000	80.000	.5080-01	.6872-01	.6872-01	.9500	.2785-02	.3768-02	.3732	4.330	564.7
392	372.50	.30000	56.000	.7942-01	.1079	.1079	.9500	.4354-02	.5916-02	.5759	7.462	566.4
392	372.50	.32500	57.000	.7411-01	.1011	.1011	.9500	.4063-02	.5541-02	.5319	6.888	567.8
392	372.50	.35000	58.000	.7142-01	.9712-01	.9712-01	.9500	.3916-02	.5324-02	.5169	6.698	566.6
392	372.50	.37500	59.000	.6877-01	.9378-01	.9378-01	.9500	.3770-02	.5141-02	.4940	6.397	567.7
392	372.50	.40000	60.000	.6577-01	.8983-01	.8983-01	.9500	.3606-02	.4925-02	.4703	6.089	568.2
392	372.50	.42500	61.000	.6268-01	.8522-01	.8522-01	.9500	.3436-02	.4672-02	.4537	5.879	566.6
392	372.50	.45000	62.000	.6024-01	.8207-01	.8207-01	.9500	.3303-02	.4499-02	.4338	5.554	567.3
392	372.50	.47500	63.000	.5810-01	.7862-01	.7862-01	.9500	.3185-02	.4310-02	.4262	5.370	564.8
392	372.50	.50000	64.000	.5911-01	.7997-01	.7997-01	.9500	.3240-02	.4384-02	.4340	5.316	564.7
392	372.50	.52500	65.000	.5694-01	.7716-01	.7716-01	.9500	.3122-02	.4230-02	.4162	5.097	565.3
392	372.50	.55000	66.000	.5779-01	.7796-01	.7796-01	.9500	.3168-02	.4274-02	.4277	4.966	563.7

IH102 56-0/60-TS FUSELAGE (R4WV05)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
392	372.50	.60000	67.000	.5684-01	.7655-01	.7655-01	.9500	.3116-02	.4196-02	.4228	4.712	563.0
392	372.50	.65000	68.000	.5344-01	.7172-01	.7172-01	.9500	.2930-02	.3932-02	.4015	4.666	561.6
392	372.50	.70000	69.000	.5503-01	.7384-01	.7384-01	.9500	.3017-02	.4048-02	.4137	4.568	561.5
392	372.50	.75000	70.000	.6153-01	.8292-01	.8292-01	.9500	.3373-02	.4546-02	.4569	5.040	563.2
392	400.00	.20000	31.000	.1089	.1532	.1532	.9500	.5968-02	.8400-02	.7202	7.511	578.0
392	400.00	.22500	32.000	.1037	.1426	.1426	.9500	.5687-02	.7815-02	.7295	8.060	570.4
392	400.00	.25000	33.000	.7052-01	.9401-01	.9401-01	.9500	.3866-02	.5154-02	.5406	6.007	558.8
392	400.00	.27500	34.000	.6527-01	.8715-01	.8715-01	.9500	.3578-02	.4778-02	.4979	5.918	559.5
392	400.00	.30000	35.000	.7174-01	.9671-01	.9671-01	.9500	.3933-02	.5302-02	.5321	6.522	563.4
392	400.00	.32500	36.000	.8184-01	.1121	.1121	.9500	.4487-02	.6147-02	.5803	6.718	569.3
392	400.00	.35000	37.000	.8023-01	.1096	.1096	.9500	.4399-02	.6006-02	.5740	6.580	568.2
392	400.00	.37500	38.000	.7500-01	.1016	.1016	.9500	.4112-02	.5568-02	.5491	6.371	565.1
392	400.00	.40000	39.000	.6416-01	.8582-01	.8582-01	.9500	.3518-02	.4705-02	.4870	5.694	560.2
392	400.00	.42500	40.000	.6762-01	.9124-01	.9124-01	.9500	.3707-02	.5002-02	.5002	5.869	563.7
392	400.00	.45000	41.000	.6456-01	.8676-01	.8676-01	.9500	.3539-02	.4756-02	.4832	5.470	562.1
392	400.00	.47500	42.000	.6658-01	.8962-01	.8962-01	.9500	.3650-02	.4913-02	.4961	5.474	562.8
392	400.00	.50000	43.000	.6260-01	.8396-01	.8396-01	.9500	.3432-02	.4603-02	.4713	5.204	561.3
392	400.00	.52500	44.000	.5862-01	.7940-01	.7940-01	.9500	.3214-02	.4353-02	.4289	4.976	565.2
392	400.00	.55000	45.000	.6081-01	.8208-01	.8208-01	.9500	.3334-02	.4500-02	.4494	4.956	563.9
392	400.00	.60000	46.000	.6173-01	.8322-01	.8322-01	.9500	.3384-02	.4562-02	.4579	4.928	563.4
392	400.00	.65000	47.000	.5956-01	.7976-01	.7976-01	.9500	.3265-02	.4373-02	.4505	4.740	560.7
392	400.00	.70000	48.000	.5297-01	.7075-01	.7075-01	.9500	.2904-02	.3879-02	.4038	4.418	559.6
392	400.00	.75000	49.000	.5212-01	.6959-01	.6959-01	.9500	.2857-02	.3815-02	.3976	4.288	559.5
392	400.00	.80000	50.000	.5606-01	.7510-01	.7510-01	.9500	.3073-02	.4117-02	.4234	4.496	560.9
392	400.00	.85000	51.000	.3882-01	.5216-01	.5216-01	.9500	.2128-02	.2860-02	.2907	3.565	562.1
392	400.00	.87500	52.000	.4511-01	.6154-01	.6154-01	.9500	.2473-02	.3374-02	.3236	3.957	567.8
392	400.00	.90000	53.000	.5088-01	.7108-01	.7108-01	.9500	.2789-02	.3897-02	.3428	4.698	575.8
392	400.00	.92500	54.000	.5961-01	.8347-01	.8347-01	.9500	.3268-02	.4576-02	.3994	5.150	576.4
392	400.00	.95000	55.000	.5587-01	.7609-01	.7609-01	.9500	.3063-02	.4172-02	.4027	4.030	567.2
392	420.00	.28500	18.000	.5041-01	.6673-01	.6673-01	.9500	.2764-02	.3659-02	.3948	4.601	555.8
392	420.00	.33700	19.000	.7009-01	.9504-01	.9504-01	.9500	.3842-02	.5210-02	.5113	5.962	565.6
392	420.00	.39000	20.000	.8145-01	.1120	.1120	.9500	.4465-02	.6138-02	.5722	6.656	570.5
392	420.00	.42600	21.000	.8023-01	.1103	.1103	.9500	.4398-02	.6047-02	.5636	6.521	570.5
392	420.00	.47800	22.000	.7633-01	.1040	.1040	.9500	.4185-02	.5699-02	.5502	6.057	567.2
392	420.00	.53000	23.000	.7221-01	.9738-01	.9738-01	.9500	.3959-02	.5339-02	.5349	5.901	563.5
392	420.00	.56700	24.000	.7164-01	.9681-01	.9681-01	.9500	.3927-02	.5307-02	.5276	5.675	564.3
392	420.00	.62000	25.000	.7090-01	.9600-01	.9600-01	.9500	.3887-02	.5263-02	.5194	5.586	565.0
392	420.00	.67000	26.000	.6823-01	.9199-01	.9199-01	.9500	.3740-02	.5043-02	.5058	5.443	563.4
392	420.00	.70500	27.000	.6932-01	.9363-01	.9363-01	.9500	.3800-02	.5133-02	.5113	5.447	564.1
392	420.00	.75000	28.000	.6904-01	.9390-01	.9390-01	.9500	.3785-02	.5148-02	.4993	5.417	566.8
392	420.00	.80000	29.000	.6871-01	.9400-01	.9400-01	.9500	.3767-02	.5153-02	.4890	5.326	568.9
392	420.00	.82400	30.000	.3226-01	.4292-01	.4292-01	.9500	.1769-02	.2353-02	.2488	3.440	558.0
392	437.50	.27500	1.0000	.3873-01	.4998-01	.4998-01	.9500	.2123-02	.2740-02	.3297	3.417	543.4

IH102 56-0/60-TS FUSELAGE (R4WV05)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
392	442.00	.30000	2.0000	.3334-01	.4300-01	.4300-01	.9500	.1828-02	.2357-02	.2841	3.015	543.2
392	445.00	.32500	3.0000	.3237-01	.4181-01	.4181-01	.9500	.1775-02	.2292-02	.2745	2.819	544.0
392	445.00	.35000	4.0000	.4703-01	.6123-01	.6123-01	.9500	.2578-02	.3357-02	.3884	4.016	548.0
392	445.00	.37500	5.0000	.5674-01	.7458-01	.7458-01	.9500	.3110-02	.4088-02	.4542	4.752	552.6
392	445.00	.40000	6.0000	.6663-01	.8844-01	.8844-01	.9500	.3653-02	.4848-02	.5174	5.277	557.0
392	445.00	.42500	7.0000	.6902-01	.9295-01	.9295-01	.9500	.3784-02	.5096-02	.5135	5.270	563.0
392	445.00	.45000	8.0000	.8019-01	.1089	.1089	.9500	.4396-02	.5971-02	.5825	5.887	566.2
392	445.00	.47500	9.0000	.8071-01	.1088	.1088	.9500	.4425-02	.5964-02	.5990	6.034	563.3
392	445.00	.50000	10.000	.8218-01	.1116	.1116	.9500	.4505-02	.6116-02	.5975	5.984	566.0
392	445.00	.52500	11.000	.8643-01	.1178	.1178	.9500	.4738-02	.6458-02	.6216	6.221	567.5
392	445.00	.55000	12.000	.8354-01	.1129	.1129	.9500	.4580-02	.6192-02	.6147	6.105	564.5
392	445.00	.60000	13.000	.7454-01	.1002	.1002	.9500	.4087-02	.5495-02	.5570	5.588	562.4
392	445.00	.65000	14.000	.7640-01	.1035	.1035	.9500	.4188-02	.5673-02	.5590	5.601	565.2
392	445.00	.70000	15.000	.7412-01	.1007	.1007	.9500	.4063-02	.5519-02	.5382	5.200	566.2
392	445.00	.75000	16.000	.6930-01	.9428-01	.9428-01	.9500	.3799-02	.5169-02	.5008	5.014	566.8
392	445.00	.80000	17.000	.6462-01	.8842-01	.8842-01	.9500	.3542-02	.4847-02	.4596	4.397	568.9

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. F	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
388	1.085	3.010	.3905-02	-11.05	10.21	696.7	247.7	.2737	1.736	2323.	.2962-02	.1983-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
388	.2912-01	.1749-01

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
388	355.00	.20000	71.000	.1282	.1772	.1772	.9500	.3732-02	.5160-02	.4698	5.296	570.8
388	355.00	.22500	72.000	.8346-01	.1119	.1119	.9500	.2430-02	.3260-02	.3328	3.872	559.7
388	355.00	.25000	73.000	.5324-01	.7012-01	.7012-01	.9500	.1550-02	.2042-02	.2243	2.619	552.0
388	355.00	.27500	74.000	.2360-01	.3121-01	.3121-01	.9500	.6873-03	.9088-03	.9822-01	1.210	553.8
388	355.00	.80000	75.000	.9764-01	.1332	.1332	.9500	.2843-02	.3879-02	.3711	4.420	566.2
388	355.00	.85000	76.000	.1420	.1962	.1962	.9500	.4137-02	.5713-02	.5222	6.106	570.4
388	355.00	.87500	77.000	.9543-01	.1333	.1333	.9500	.2779-02	.3883-02	.3406	4.396	574.1
388	355.00	.90000	78.000	.9574-01	.1331	.1331	.9500	.2788-02	.3877-02	.3459	4.417	572.6
388	355.00	.92500	79.000	.1305	.1797	.1797	.9500	.3801-02	.5233-02	.4840	5.915	560.3
388	355.00	.95000	80.000	.7452-01	.1010	.1010	.9500	.2170-02	.2941-02	.2884	3.349	563.8
388	372.50	.30000	56.000	.5084-01	.6802-01	.6802-01	.9500	.1480-02	.1981-02	.2042	2.656	558.8
388	372.50	.32500	57.000	.5525-01	.7468-01	.7468-01	.9500	.1609-02	.2175-02	.2154	2.796	562.8
388	372.50	.35000	58.000	.6910-01	.9374-01	.9374-01	.9500	.2012-02	.2730-02	.2666	3.459	564.2
388	372.50	.37500	59.000	.7831-01	.1073	.1073	.9500	.2280-02	.3125-02	.2938	3.805	567.8
388	372.50	.40000	60.000	.7646-01	.1055	.1055	.9500	.2227-02	.3072-02	.2820	3.647	570.0
388	372.50	.42500	61.000	.7824-01	.1081	.1081	.9500	.2279-02	.3148-02	.2875	3.718	570.5
388	372.50	.45000	62.000	.7741-01	.1077	.1077	.9500	.2254-02	.3136-02	.2793	3.566	572.8
388	372.50	.47500	63.000	.7649-01	.1063	.1063	.9500	.2228-02	.3094-02	.2770	3.477	572.3
388	372.50	.50000	64.000	.9214-01	.1281	.1281	.9500	.2683-02	.3730-02	.3331	4.064	572.5
388	372.50	.52500	65.000	.8114-01	.1129	.1129	.9500	.2363-02	.3288-02	.2926	3.569	572.9
388	372.50	.55000	66.000	.8075-01	.1117	.1117	.9500	.2352-02	.3253-02	.2956	3.420	571.0

IH102 56-0/60-TS FUSELAGE (R4WV06)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= AW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
388	372.50	.60000	67.000	.8811-01	.1218	. 218	.9500	.2566-02	.3546-02	.3233	3.590	570.7
388	372.50	.65000	68.000	.7745-01	.1064	.1064	.9500	.2256-02	.3100-02	.2885	3.341	568.8
388	372.50	.70000	69.000	.1099	.1506	.1506	.9500	.3201-02	.4387-02	.4124	4.540	567.8
388	372.50	.75000	70.000	.1396	.1916	.1916	.9500	.4065-02	.5579-02	.5220	5.745	568.3
388	400.00	.20000	31.000	.4020-01	.5376-01	.5376-01	.9500	.1171-02	.1566-02	.1616	1.702	558.6
388	400.00	.22500	32.000	.1247	.1707	.1707	.9500	.3632-02	.4970-02	.4700	5.200	567.3
388	400.00	.25000	33.000	.1140	.1531	.1531	.9500	.3321-02	.4459-02	.4533	5.034	560.2
388	400.00	.27500	34.000	.8977-01	.1203	.1203	.9500	.2614-02	.3503-02	.3590	4.267	559.3
388	400.00	.30000	35.000	.8970-01	.1208	.1208	.9500	.2612-02	.3517-02	.3536	4.339	561.3
388	400.00	.32500	36.000	.1062	.1454	.1454	.9500	.3094-02	.4235-02	.4001	4.636	567.4
388	400.00	.35000	37.000	.1065	.1460	.1460	.9500	.3101-02	.4252-02	.3993	4.578	567.9
388	400.00	.37500	38.000	.7711-01	.1077	.1077	.9500	.2245-02	.3136-02	.2755	3.182	574.0
388	400.00	.40000	39.000	.6192-01	.8515-01	.8515-01	.9500	.1803-02	.2480-02	.2303	2.681	569.0
388	400.00	.42500	40.000	.5697-01	.7946-01	.7946-01	.9500	.1659-02	.2314-02	.2042	2.384	573.6
388	400.00	.45000	41.000	.4880-01	.6799-01	.6799-01	.9500	.1421-02	.1980-02	.1754	1.974	573.3
388	400.00	.47500	42.000	.4842-01	.6785-01	.6785-01	.9500	.1410-02	.1976-02	.1715	1.881	575.0
388	400.00	.50000	43.000	.4700-01	.6551-01	.6551-01	.9500	.1369-02	.1908-02	.1687	1.852	573.4
388	400.00	.52500	44.000	.4612-01	.6514-01	.6514-01	.9500	.1343-02	.1897-02	.1602	1.848	577.4
388	400.00	.55000	45.000	.4995-01	.7019-01	.7019-01	.9500	.1455-02	.2044-02	.1[illegible]	1.927	575.9
388	400.00	.60000	46.000	.5453-01	.7668-01	.7668-01	.9500	.1588-02	.2233-02	.1[illegible]	2.048	576.1
388	400.00	.65000	47.000	.4911-01	.6878-01	.6878-01	.9500	.1430-02	.2003-02	.1743	1.820	574.8
388	400.00	.70000	48.000	.4733-01	.6615-01	.6615-01	.9500	.1378-02	.1927-02	.1688	1.834	574.2
388	400.00	.75000	49.000	.5673-01	.7961-01	.7961-01	.9500	.1652-02	.2318-02	.2002	2.142	575.5
388	400.00	.80000	50.000	.6399-01	.8939-01	.8939-01	.9500	.1864-02	.2603-02	.2285	2.411	574.1
388	400.00	.85000	51.000	.2848-01	.4027-01	.4027-01	.9500	.8295-03	.1173-02	.9873-01	1.202	577.6
388	400.00	.87500	52.000	.2352-01	.3281-01	.3281-01	.9500	.6848-03	.9555-03	.8423-01	1.027	573.7
388	400.00	.90000	53.000	.1449-01	.2017-01	.2017-01	.9500	.4219-03	.5875-03	.5215-01	.7156	573.1
388	400.00	.92500	54.000	.1290-01	.1776-01	.1776-01	.9500	.3756-03	.5173-03	.4776-01	.6179	569.5
388	420.00	.28500	18.000	.7071-01	.9739-01	.9739-01	.9500	.2059-02	.2836-02	.2618	3.031	569.5
388	420.00	.33700	19.000	.8491-01	.1190	.1190	.9500	.2473-02	.3466-02	.3006	3.488	575.1
388	420.00	.39000	20.000	.7429-01	.1045	.1045	.9500	.2163-02	.3043-02	.2607	3.024	576.2
388	420.00	.42600	21.000	.5746-01	.8055-01	.8055-01	.9500	.1673-02	.2346-02	.2034	2.348	575.1
388	420.00	.47800	22.000	.4526-01	.6311-01	.6311-01	.9500	.1318-02	.1[illegible]8-02	.1623	1.781	573.5
388	420.00	.53000	23.000	.4086-01	.5635-01	.5635-01	.9500	.1190-02	.1641-02	.1508	1.658	570.0
388	420.00	.56700	24.000	.4458-01	.6163-01	.6163-01	.9500	.1298-02	.1795-02	.1634	1.752	570.8
388	420.00	.62000	25.000	.4273-01	.5957-01	.5957-01	.9500	.1244-02	.1735-02	.1533	1.642	573.5
388	420.00	.67000	26.000	.4240-01	.5910-01	.5910-01	.9500	.1235-02	.1721-02	.1522	1.630	573.4
388	420.00	.70500	27.000	.4573-01	.6396-01	.6396-01	.9500	.1332-02	.1863-02	.1627	1.725	574.5
388	420.00	.75000	28.000	.5484-01	.7711-01	.7711-01	.9500	.1597-02	.2246-02	.1926	2.080	576.1
388	420.00	.80000	29.000	.5371-01	.7494-01	.7494-01	.9500	.1564-02	.2182-02	.1924	2.090	573.7
388	437.50	.27500	1.0000	.5748-01	.7643-01	.7643-01	.9500	.1674-02	.2226-02	.2352	2.422	556.2
388	442.00	.30000	2.0000	.5855-01	.7839-01	.7839-01	.9500	.1705-02	.2283-02	.2346	2.470	559.1
388	445.00	.32500	3.0000	.4062-01	.5482-01	.5482-01	.9500	.1183-02	.1597-02	.1591	1.618	562.2

IH102 56-0/60-TS FUSELAGE (R4WV06)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF F= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
388	445.00	.35000	4.0000	.3926-01	.5272-01	.5272-01	.9500	.1143-02	.1535-02	.1560	1.603	560.3
388	445.00	.37500	5.0000	.3072-01	.4110-01	.4110-01	.9500	.8946-03	.1197-02	.1234	1.287	558.8
388	445.00	.40000	6.0000	.3000-01	.4030-01	.4030-01	.9500	.8735-03	.1174-02	.1190	1.212	560.5
388	445.00	.42500	7.0000	.2696-01	.3659-01	.3659-01	.9500	.7851-03	.1066-02	.1039	1.066	564.4
388	445.00	.45000	8.0000	.2450-01	.3321-01	.3321-01	.9500	.7134-03	.9670-03	.9474-01	.9586	563.9
388	445.00	.47500	9.0000	.2174-01	.2907-01	.2907-01	.9500	.6332-03	.8465-03	.8751-01	.8838	558.5
388	445.00	.50000	10.000	.2139-01	.2874-01	.2874-01	.9500	.6229-03	.8371-03	.8481-01	.8518	560.5
388	445.00	.52500	11.000	.2144-01	.2894-01	.2894-01	.9500	.6244-03	.8429-03	.8393-01	.8422	562.3
388	445.00	.55000	12.000	.2317-01	.3107-01	.3107-01	.9500	.6746-03	.9048-03	.9235-01	.9195	559.8
388	445.00	.60000	13.000	.2279-01	.3043-01	.3043-01	.9500	.6637-03	.8863-03	.9203-01	.9254	558.0
388	445.00	.65000	14.000	.2079-01	.2800-01	.2800-01	.9500	.6053-03	.8153-03	.8189-01	.8221	561.4
388	445.00	.70000	15.000	.2136-01	.2897-01	.2897-01	.9500	.6221-03	.8436-03	.8251-01	.7982	564.0
388	445.00	.75000	16.000	.2119-01	.2878-01	.2878-01	.9500	.6172-03	.8382-03	.8153-01	.8171	564.6
388	445.00	.80000	17.000	.1811-01	.2440-01	.2440-01	.9500	.5275-03	.7106-03	.7131-01	.6847	561.5

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
395	3.866	3.010	-.2728-01	-11.03	36.80	702.7	249.9	.9870	6.260	2333.	.1066-01	.1999-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
395	.5539-01	.9259-02

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
395	355.00	.20000	71.000	.1350	.2315	.2315	.9500	.7474-02	.1282-01	.6295	6.931	618.5
395	355.00	.22500	72.000	.1311	.2042	.2042	.9500	.7263-02	.1131-01	.7130	8.112	604.5
395	355.00	.25000	73.000	.1076	.1585	.1585	.9500	.5959-02	.8780-02	.6517	7.456	593.3
395	355.00	.27500	74.000	.8858-01	.1307	.1307	.9500	.4906-02	.7237-02	.5353	6.463	593.6
395	355.00	.80000	75.000	.2537-01	.3681-01	.3681-01	.9500	.1405-02	.2039-02	.1588	1.869	589.6
395	355.00	.85000	76.000	.2299-01	.3505-01	.3505-01	.9500	.1273-02	.1941-02	.1300	1.498	600.6
395	355.00	.87500	77.000	.8714-02	.1388-01	.1388-01	.9500	.4826-03	.7686-03	.4557-01	.5784	608.2
395	355.00	.90000	78.000	.2388-01	.3834-01	.3834-01	.9500	.1323-02	.2124-02	.1232	1.545	609.5
395	372.50	.30000	56.000	.1059	.1615	.1615	.9500	.5867-02	.8944-02	.5990	7.632	600.6
395	372.50	.32500	57.000	.9807-01	.1504	.1504	.9500	.5432-02	.8331-02	.5483	6.982	601.7
395	372.50	.35000	58.000	.9255-01	.1402	.1402	.9500	.5126-02	.7764-02	.5300	6.757	599.3
395	372.50	.37500	59.000	.8729-01	.1318	.1318	.9500	.4835-02	.7297-02	.5033	6.419	598.6
395	372.50	.40000	60.000	.8088-01	.1217	.1217	.9500	.4480-02	.6741-02	.4692	5.986	597.9
395	372.50	.42500	61.000	.7647-01	.1137	.1137	.9500	.4235-02	.6296-02	.4546	5.807	595.3
395	372.50	.45000	62.000	.7400-01	.1095	.1095	.9500	.4099-02	.6065-02	.4442	5.611	594.3
395	372.50	.47500	63.000	.6985-01	.1019	.1019	.9500	.3869-02	.5645-02	.4319	5.370	591.0
395	372.50	.50000	64.000	.6560-01	.9483-01	.9483-01	.9500	.3633-02	.5252-02	.4141	5.012	588.7
395	372.50	.52500	65.000	.5940-01	.8568-01	.8568-01	.9500	.3290-02	.4746-02	.3769	4.563	588.1
395	372.50	.55000	66.000	.5528-01	.7874-01	.7874-01	.9500	.3061-02	.4361-02	.3609	4.146	584.8
395	372.50	.60000	67.000	.4033-01	.5695-01	.5695-01	.9500	.2234-02	.3154-02	.2689	2.968	582.3
395	372.50	.65000	68.000	.2889-01	.4068-01	.4068-01	.9500	.1600-02	.2253-02	.1940	2.232	581.5

IH102 56-0/60-TS FUSELAGE (R4WV06)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
395	372.50	.70000	69.000	.3485-01	.4922-01	.4922-01	.9500	.1930-02	.2726-02	.2323	2.539	592.3
395	372.50	.75000	70.000	.5033-01	.7267-01	.7267-01	.9500	.2788-02	.4025-02	.3186	3.472	588.4
395	400.00	.22500	32.000	.1631	.2575	.2575	.9500	.9036-02	.1426-01	.8663	9.400	606.3
395	400.00	.25000	33.000	.1387	.2094	.2094	.9500	.7684-02	.1160-01	.8000	8.716	598.6
395	400.00	.27500	34.000	.1259	.1922	.1922	.9500	.6974-02	.1064-01	.7106	8.274	600.8
395	400.00	.30000	35.000	.1175	.1788	.1788	.9500	.6510-02	.9901-02	.6678	8.038	600.1
395	400.00	.32500	36.000	.1191	.1849	.1349	.9500	.6597-02	.1024-01	.6514	7.413	603.9
395	400.00	.35000	37.000	.1129	.1736	.1736	.9500	.6255-02	.9613-02	.6291	7.092	602.1
395	400.00	.37500	38.000	.1036	.1559	.1559	.9500	.5740-02	.8635-02	.6014	6.865	597.9
395	400.00	.40000	39.000	.8467-01	.1215	.1215	.9500	.4689-02	.6730-02	.5434	6.270	586.8
395	400.00	.42500	40.000	.8848-01	.1299	.1299	.9500	.4901-02	.7197-02	.5397	6.243	592.5
395	400.00	.45000	41.000	.8577-01	.1243	.1243	.9500	.4751-02	.6885-02	.5384	6.013	589.3
395	400.00	.47500	42.000	.8828-01	.1277	1277	.9500	.4890-02	.7072-02	.5567	6.063	588.8
395	400.00	.50000	43.000	.8383-01	.1201	.1201	.9500	.4643-02	.6654-02	.5398	5.887	586.4
395	400.00	.52500	44.000	.7804-01	.1132	.1132	.9500	.4322-02	.6270-02	.4888	5.603	589.6
395	400.00	.55000	45.000	.8138-01	.1174	.1174	.9500	.4507-02	.6504-02	.5158	5.620	588.2
395	400.00	.60000	46.000	.8264-01	.1186	.1186	.9500	.4577-02	.6567-02	.5307	5.645	586.7
395	400.00	.65000	47.000	.7409-01	.1053	.1053	.9500	.4103-02	.5832-02	.4864	5.058	584.1
395	400.00	.70000	48.000	.6116-01	.8702-01	.8702-01	.9500	.3387-02	.4820-02	.4005	4.329	584.4
395	400.00	.75000	49.000	.6053-01	.8728-01	.8728-01	.9500	.3353-02	.4834-02	.3843	4.085	588.0
395	400.00	.80000	50.000	.6220-01	.9181-01	.9181-01	.9500	.3445-02	.5085-02	.3753	3.921	593.7
395	420.00	.28500	18.000	.1242	.1909	.1909	.9500	.6878-02	.1057-01	.6915	7.876	602.1
395	420.00	.33700	19.000	.1147	.1768	.1768	.9500	.6352-02	.9790-02	.6354	7.274	602.6
395	420.00	.39000	20.000	.1023	.1539	.1539	.9500	.5668-02	.8524-02	.5945	6.822	597.8
395	420.00	.42600	21.000	.9114-01	.1344	.1344	.9500	.5048-02	.7443-02	.5512	6.305	593.5
395	420.00	.47800	22.000	.8234-01	.1183	.1183	.9500	.4560-02	.6550-02	.5276	5.752	587.0
395	420.00	.53000	23.000	.7522-01	.1062	.1062	.9500	.4166-02	.5881-02	.5020	5.486	582.2
395	420.00	.56700	24.000	.7409-01	.1045	.1045	.9500	.4103-02	.5787-02	.4954	5.283	581.9
395	420.00	.62000	25.000	.7587-01	.1076	.1076	.9500	.4202-02	.5959-02	.5007	5.335	583.5
395	420.00	.67000	26.000	.7206-01	.1019	.1019	.9500	.3991-02	.5646-02	.4784	5.099	582.8
395	420.00	.70500	27.000	.6617-01	.9433-01	.9433-01	.9500	.3665-02	.5225-02	.4312	4.547	585.0
395	420.00	.75000	28.000	.6851-01	.1003	.1003	.9500	.3795-02	.5557-02	.4203	4.504	591.9
395	420.00	.80000	29.000	.5658-01	.8368-01	.8368-01	.9500	.3134-02	.4635-02	.3400	3.657	594.2
395	442.00	.30000	2.0000	.8650-01	.1275	.1275	.9500	.4791-02	.7061-02	.5235	5.416	593.4
395	445.00	.32500	3.0000	.7036-01	.1009	.1009	.9500	.3897-02	.5589-02	.4523	4.545	586.6
395	445.00	.35000	4.0000	.7079-01	.1001	.1001	.9500	.3921-02	.5546-02	.4701	4.778	582.8
395	445.00	.37500	5.0000	.6439-01	.9022-01	.9022-01	.9500	.3566-02	.4997-02	.4376	4.517	580.0
395	445.00	.40000	6.0000	.7055-01	.9912-01	.9912-01	.9500	.3907-02	.5490-02	.4761	4.799	580.8
395	445.00	.42500	7.0000	.6842-01	.9586-01	.9586-01	.9500	.3790-02	.5309-02	.4651	4.734	579.9
395	445.00	.45000	8.0000	.6769-01	.9417-01	.9417-01	.9500	.3749-02	.5216-02	.4685	4.708	577.7
395	445.00	.47500	9.0000	.5824-01	.7927-01	.7927-01	.9500	.3225-02	.4390-02	.4271	4.288	570.3
395	445.00	.50000	10.000	.5525-01	.7540-01	.7540-01	.9500	.3060-02	.4176-02	.4023	4.018	571.2
395	445.00	.52500	11.000	.5779-01	.7902-01	.7902-01	.9500	.3201-02	.4377-02	.4186	4.180	571.9

IH102 56-0/60-TS FUSELAGE (R4WV06)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
395	445.00	.55000	12.000	.5785-01	.7854-01	.7854-01	.9500	.3204-02	.4350-02	.4272	4.233	569.3
395	445.00	.60000	13.000	.5114-01	.6913-01	.6913-01	.9500	.2833-02	.3829-02	.3825	3.828	567.6
395	445.00	.65000	14.000	.5007-01	.6852-01	.6852-01	.9500	.2773-02	.3795-02	.3619	3.613	572.2
395	445.00	.70000	15.000	.4545-01	.6266-01	.6266-01	.9500	.2517-02	.3470-02	.3221	3.099	574.7
395	445.00	.75000	16.000	.3835-01	.5360-01	.5360-01	.9500	.2124-02	.2969-02	.2623	2.610	579.2
395	445.00	.80000	17.000	.1756-01	.2482-01	.2482-01	.9500	.9724-03	.1375-02	.1168	1.109	582.6

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
396	3.857	3.010	-.1475-01	-6.014	36.79	703.7	250.2	.9867	6.258	2334.	.1064-01	.2002-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
396	.5539-01	.9269-02

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
396	355.00	.20000	71.000	.7887-01	.1192	.1192	.9500	.4369-02	.6604-02	.4542	5.047	599.7
396	355.00	.22500	72.000	.1237	.1865	.1865	.9500	.6852-02	.1033-01	.7158	8.165	599.2
396	355.00	.25000	73.000	.1141	.1647	.1647	.9500	.6321-02	.9120-02	.7245	8.306	589.0
396	355.00	.27500	74.000	.9891-01	.1434	.1434	.9500	.5479-02	.7943-02	.6213	7.515	590.3
396	355.00	.80000	75.000	.3009-01	.4199-01	.4199-01	.9500	.1667-02	.2326-02	.2069	2.448	579.5
396	355.00	.85000	76.000	.3341-01	.4817-01	.4817-01	.9500	.1851-02	.2668-02	.2125	2.463	588.8
396	355.00	.87500	77.000	.2822-01	.4180-01	.4180-01	.9500	.1563-02	.2315-02	.1693	2.162	595.4
396	355.00	.90000	78.000	.3291-01	.4934-01	.4934-01	.9500	.1823-02	.2733-02	.1926	2.428	598.0
396	355.00	.92500	79.000	.3645-01	.5503-01	.5503-01	.9500	.2019-02	.3048-02	.2104	2.534	599.4
396	355.00	.95000	80.000	.7826-02	.1150-01	.1150-01	.9500	.4335-03	.6369-03	.4776-01	.5463	593.5
396	372.50	.30000	56.000	.1059	.1565	.1565	.9500	.5868-02	.8670-02	.6388	8.163	594.8
396	372.50	.32500	57.000	.1027	.1529	.1529	.9500	.5691-02	.8470-02	.6102	7.790	596.5
396	372.50	.35000	58.000	.9593-01	.1413	.1413	.9500	.5313-02	.7829-02	.5818	7.436	594.2
396	372.50	.37500	59.000	.9108-01	.1337	.1337	.9500	.5045-02	.7405-02	.5570	7.122	593.3
396	372.50	.40000	60.000	.8319-01	.1213	.1213	.9500	.4608-02	.6716-02	.5164	6.609	591.6
396	372.50	.42500	61.000	.7832-01	.1128	.1128	.9500	.4338-02	.6250-02	.4990	6.395	588.6
396	372.50	.45000	62.000	.7360-01	.1056	.1056	.9500	.4077-02	.5848-02	.4734	6.000	587.5
396	372.50	.47500	63.000	.7006-01	.9921-01	.9921-01	.9500	.3880-02	.5495-02	.4646	5.797	583.9
396	372.50	.50000	64.000	.6706-01	.9416-01	.9416-01	.9500	.3715-02	.5215-02	.4542	5.517	581.4
396	372.50	.52500	65.000	.6150-01	.8610-01	.8610-01	.9500	.3406-02	.4769-02	.4194	5.097	580.5
396	372.50	.55000	66.000	.5836-01	.8084-01	.8084-01	.9500	.3233-02	.4478-02	.4090	4.716	577.2

IH102 56-0/60-TS FUSELAGE (R4WV07)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R=TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
396	372.50	.60000	67.000	.4612-01	.6340-01	.6340-01	.9500	.2554-02	.3512-02	.3298	3.654	574.6
396	372.50	.65000	68.000	.3556-01	.4867-01	.4867-01	.9500	.1970-02	.2696-02	.2573	2.974	573.0
396	372.50	.70000	69.000	.3645-01	.5003-01	.5003-01	.9500	.2019-02	.2771-02	.2618	2.873	574.0
396	372.50	.75000	70.000	.4947-01	.6922-01	.6922-01	.9500	.2740-02	.3834-02	.3379	3.697	580.3
396	400.00	.20000	31.000	.1077	.1604	.1604	.9500	.5963-02	.8886-02	.6379	6.592	596.7
396	400.00	.22500	32.000	.1147	.1695	.1695	.9500	.6351-02	.9391-02	.6902	7.533	595.0
396	400.00	.25000	33.000	.9878-01	.1412	.1412	.9500	.5471-02	.7821-02	.6408	7.023	586.5
396	400.00	.27500	34.000	.9504-01	.1363	.1363	.9500	.5264-02	.7552-02	.6114	7.166	587.5
396	400.00	.30000	35.000	.9373-01	.1355	.1355	.9500	.5192-02	.7507-02	.5922	7.164	589.6
396	400.00	.32500	36.000	.1074	.1590	.1590	.9500	.5951-02	.8810-02	.6452	7.375	595.2
396	400.00	.35000	37.000	.1082	.1593	.1593	.9500	.5994-02	.8825-02	.6575	7.441	594.0
396	400.00	.37500	38.000	.1019	.1476	.1476	.9500	.5645-02	.8174-02	.6420	7.357	589.9
396	400.00	.40000	39.000	.8271-01	.1153	.1153	.9500	.4581-02	.6385-02	.5707	6.610	579.1
396	400.00	.42500	40.000	.8464-01	.1201	.1201	.9500	.4688-02	.6654-02	.5584	6.484	584.6
396	400.00	.45000	41.000	.8089-01	.1134	.1134	.9500	.4481-02	.6282-02	.5498	6.166	581.0
396	400.00	.47500	42.000	.8193-01	.1146	.1146	.9500	.4538-02	.6346-02	.5606	6.133	580.1
396	400.00	.50000	43.000	.7631-01	.1058	.1058	.9500	.4227-02	.5861-02	.5334	5.843	577.5
396	400.00	.52500	44.000	.6974-01	.9756-01	.9756-01	.9500	.3863-02	.5404-02	.4766	5.487	580.3
396	400.00	.55000	45.000	.7151-01	.9937-01	.9937-01	.9500	.3961-02	.5504-02	.4969	5.441	578.2
396	400.00	.60000	46.000	.7068-01	.9781-01	.9781-01	.9500	.3915-02	.5418-02	.4966	5.309	576.8
396	400.00	.65000	47.000	.6467-01	.8893-01	.8893-01	.9500	.3582-02	.4926-02	.4619	4.825	574.7
396	400.00	.70000	48.000	.5493-01	.7581-01	.7581-01	.9500	.3043-02	.4199-02	.3888	4.220	575.9
396	400.00	.75000	49.000	.5774-01	.8044-01	.8044-01	.9500	.3198-02	.4456-02	.3987	4.258	579.0
396	400.00	.80000	50.000	.5463-01	.7839-01	.7839-01	.9500	.3026-02	.4342-02	.3512	3.681	587.6
396	400.00	.85000	51.000	.2350-01	.3484-01	.3484-01	.9500	.1302-02	.1930-02	.1408	1.698	595.5
396	400.00	.92500	54.000	.1307-02	.2011-02	.2011-02	.9500	.7240-04	.1114-03	.7281-02	.9265-01	603.1
396	420.00	.28500	18.000	.9704-01	.1408	.1408	.9500	.5375-02	.7799-02	.5734	6.971	590.5
396	420.00	.33700	19.000	.8836-01	.1279	.1279	.9500	.4894-02	.7083-02	.5572	6.419	589.8
396	420.00	.39000	20.000	.8097-01	.1155	.1155	.9500	.4485-02	.6400-02	.5275	6.088	586.1
396	420.00	.42600	21.000	.7436-01	.1051	.1051	.9500	.4119-02	.5820-02	.4959	5.702	583.3
396	420.00	.47800	22.000	.7160-01	.9926-01	.9926-01	.9500	.3966-02	.5498-02	.5009	5.487	577.4
396	420.00	.53000	23.000	.6676-01	.9118-01	.9118-01	.9500	.3698-02	.5051-02	.4858	5.335	572.3
396	420.00	.56700	24.000	.6494-01	.8860-01	.8860-01	.9500	.3597-02	.4908-02	.4738	5.077	571.9
396	420.00	.62000	25.000	.6582-01	.9028-01	.9028-01	.9500	.3646-02	.5001-02	.4735	5.069	573.8
396	420.00	.67000	26.000	.5960-01	.8164-01	.8164-01	.9500	.3301-02	.4522-02	.4303	4.608	573.3
396	420.00	.70500	27.000	.5695-01	.7859-01	.7859-01	.9500	.3154-02	.4353-02	.4030	4.268	575.9
396	420.00	.75000	28.000	.5935-01	.8351-01	.8351-01	.9500	.3287-02	.4626-02	.3998	4.305	582.1
396	420.00	.80000	29.000	.4456-01	.6376-01	.6376-01	.9500	.2468-02	.3532-02	.2983	3.112	586.9
396	420.00	.82400	30.000	.1393-01	.1968-01	.1968-01	.9500	.7716-03	.1090-02	.9298-01	1.270	583.2
396	437.50	.27500	1.0000	.6450-01	.8970-01	.8970-01	.9500	.3573-02	.4969-02	.4474	4.557	578.4
396	442.00	.30000	2.0000	.7015-01	.9897-01	.9897-01	.9500	.3886-02	.5482-02	.4695	4.885	582.8
396	445.00	.32500	3.0000	.5817-01	.8099-01	.8099-01	.9500	.3222-02	.4486-02	.4023	4.059	578.8
396	445.00	.35000	4.0000	.5983-01	.8229-01	.8229-01	.9500	.3314-02	.4558-02	.4271	4.358	574.8

IH102 56-0/60-TS FUSELAGE (R4WV07)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
396	445.00	.37500	5.0000	.5386-01	.7372-01	.7372-01	.9500	.2983-02	.4083-02	.3897	4.036	573.0
396	445.00	.40000	6.0000	.5463-01	.7467-01	.7467-01	.9500	.3026-02	.4136-02	.3965	4.013	572.6
396	445.00	.42500	7.0000	.4843-01	.6605-01	.6605-01	.9500	.2682-02	.3659-02	.3537	3.615	571.8
396	445.00	.45000	8.0000	.4587-01	.6207-01	.6207-01	.9500	.2541-02	.3438-02	.3423	3.455	568.9
396	445.00	.47500	9.0000	.4063-01	.5401-01	.5401-01	.9500	.2250-02	.2992-02	.3195	3.221	561.7
396	445.00	.50000	10.000	.3812-01	.5072-01	.5072-01	.9500	.2112-02	.2810-02	.2990	3.001	562.1
396	445.00	.52500	11.000	.4077-01	.5441-01	.5441-01	.9500	.2258-02	.3014-02	.3168	3.177	553.4
396	445.00	.55000	12.000	.4291-01	.5702-01	.5702-01	.9500	.2377-02	.3159-02	.3378	3.360	561.5
396	445.00	.60000	13.000	.4029-01	.5342-01	.5342-01	.9500	.2232-02	.2959-02	.3196	3.210	560.5
396	445.00	.65000	14.000	.4362-01	.5847-01	.5847-01	.9500	.2416-02	.3238-02	.3349	3.356	565.1
396	445.00	.70000	15.000	.4003-01	.5418-01	.5418-01	.9500	.2218-02	.3001-02	.2988	2.883	568.9
396	445.00	.75000	16.000	.4094-01	.5597-01	.5597-01	.9500	.2268-02	.3100-02	.2973	2.967	572.6
396	445.00	.80000	17.000	.1838-01	.2554-01	.2554-01	.9500	.1018-02	.1414-02	.1277	1.216	578.2

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
397	3.860	3.010	-.5202-02	-2.978	36.82	703.7	250.2	.9875	6.263	2334.	.1065-01	.2002-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
397	.5541-01	.9266-02

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
397	355.00	.20000	71.000	.2538-01	.3638-01	.3638-01	.9500	.1406-02	.2016-02	.1637	1.830	587.3
397	355.00	.22500	72.000	.9186-01	.1325	.1325	.9500	.5090-02	.7344-02	.5836	6.691	589.0
397	355.00	.25000	73.000	.1046	.1491	.1491	.9500	.5798-02	.8260-02	.6843	7.858	585.6
397	355.00	.27500	74.000	.9785-01	.1411	.1411	.9500	.5422-02	.7821-02	.6219	7.527	589.0
397	355.00	.80000	75.000	.2850-01	.3980-01	.3980-01	.9500	.1579-02	.2205-02	.1956	2.314	579.8
397	355.00	.85000	76.000	.3722-01	.5357-01	.5357-01	.9500	.2062-02	.2969-02	.2376	2.754	588.4
397	355.00	.87500	77.000	.3074-01	.4535-01	.4535-01	.9500	.1703-02	.2513-02	.1860	2.377	594.5
397	355.00	.90000	78.000	.2257-01	.3348-01	.3348-01	.9500	.1250-02	.1855-02	.1349	1.703	595.8
397	355.00	.92500	79.000	.1851-01	.2750-01	.2750-01	.9500	.1026-02	.1524-02	.1104	1.332	596.0
397	372.50	.30000	56.000	.1110	.1619	.1619	.9500	.6153-02	.8969-02	.6896	8.825	591.6
397	372.50	.32500	57.000	.1108	.1641	.1641	.9500	.6141-02	.9094-02	.6654	8.500	595.3
397	372.50	.35000	58.000	.1030	.1511	.1511	.9500	.5708-02	.8371-02	.6313	8.073	593.1
397	372.50	.37500	59.000	.9867-01	.1442	.1442	.9500	.5468-02	.7989-02	.6096	7.799	592.2
397	372.50	.40000	60.000	.9057-01	.1315	.1315	.9500	.5019-02	.7288-02	.5672	7.262	590.7
397	372.50	.42500	61.000	.8485-01	.1217	.1217	.9500	.4702-02	.6746-02	.5458	6.999	587.6
397	372.50	.45000	62.000	.7820-01	.1116	.1116	.9500	.4334-02	.6184-02	.5096	6.463	586.1
397	372.50	.47500	63.000	.7335-01	.1033	.1033	.9500	.4065-02	.5722-02	.4937	6.166	582.2
397	372.50	.50000	64.000	.6878-01	.9598-01	.9598-01	.9500	.3811-02	.5319-02	.4731	5.752	579.5
397	372.50	.52500	65.000	.6294-01	.8754-01	.8754-01	.9500	.3488-02	.4851-02	.4366	5.311	578.5
397	372.50	.55000	66.000	.5790-01	.7969-01	.7969-01	.9500	.3208-02	.4416-02	.4127	4.765	575.0
397	372.50	.60000	67.000	.4407-01	.6024-01	.6024-01	.9500	.2442-02	.3338-02	.3200	3.549	572.6

IH102 56-0/60-TS FUSELAGE (R4WV08)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
397	372.50	.65000	68.000	.3447-01	.4688-01	4688-01	.9500	.1910-02	.2598-02	.2538	2.936	570.8
397	372.50	.70000	69.000	.3282-01	.4484-01	.4484-01	.9500	.1819-02	.2485-02	.2386	2.620	572.5
397	372.50	.75000	70.000	.4226-01	.5899-01	.5899-01	.9500	.2342-02	.3269-02	.2906	3.180	579.6
397	400.00	.20000	31.000	.1003	.1503	.1503	.9500	.5560-02	.8327-02	.5889	6.082	597.8
397	400.00	.22500	32.000	.1198	.1745	.1745	.9500	.6639-02	.9668-02	.7457	8.153	591.4
397	400.00	.25000	33.000	.1004	.1422	.1422	.9500	.5565-02	.7877-02	.6670	7.320	583.8
397	400.00	.27500	34.000	.9067-01	.1287	.1287	.9500	.5025-02	.7134-02	.5979	7.017	584.7
397	400.00	.30000	35.000	.7924-01	.1118	.1118	.9500	.4391-02	.6196-02	.5303	6.437	582.9
397	400.00	.32500	36.000	.8944-01	.1285	.1285	.9500	.4956-02	.7123-02	.5733	6.576	588.0
397	400.00	.35000	37.000	.9213-01	.1326	.1326	.9500	.5105-02	.7347-02	.5887	6.681	588.4
397	400.00	.37500	38.000	.8843-01	.1259	.1259	.9500	.4900-02	.6976-02	.5795	6.655	585.4
397	400.00	.40000	39.000	.7430-01	.1027	.1027	.9500	.4117-02	.5690-02	.5241	6.078	576.4
397	400.00	.42500	40.000	.7784-01	.1095	.1095	.9500	.4313-02	.6067-02	.5249	6.103	582.0
397	400.00	.45000	41.000	.7768-01	.1081	.1081	.9500	.4305-02	.5991-02	.5381	6.041	578.7
397	400.00	.47500	42.000	.7688-01	.1067	.1067	.9500	.4260-02	.5911-02	.5366	5.878	577.7
397	400.00	.50000	43.000	.7043-01	.9693-01	.9693-01	.9500	.3903-02	.5371-02	.5023	5.510	575.0
397	400.00	.52500	44.000	.6734-01	.9352-01	.9352-01	.9500	.3731-02	.5182-02	.4690	5.406	578.0
397	400.00	.55000	45.000	.6863-01	.9474-01	.9474-01	.9500	.3803-02	.5250-02	.4855	5.322	576.0
397	400.00	.60000	46.000	.6937-01	.9533-01	.9533-01	.9500	.3844-02	.5282-02	.4966	5.315	574.5
397	400.00	.65000	47.000	.6298-01	.8605-01	.8605-01	.9500	.3490-02	.4768-02	.4581	4.791	572.4
397	400.00	.70000	48.000	.5220-01	.7168-01	.7168-01	.9500	.2893-02	.3972-02	.3746	4.069	574.2
397	400.00	.75000	49.000	.4805-01	.6723-01	.6723-01	.9500	.2663-02	.3725-02	.3284	3.505	580.3
397	400.00	.80000	50.000	.5238-01	.7500-01	.7500-01	.9500	.2903-02	.4156-02	.3386	3.550	587.0
397	400.00	.92500	54.000	.2365-02	.3582-02	.3582-02	.9500	.1310-03	.1985-03	.1357-01	.1729	600.1
397	400.00	.95000	55.000	.2192-02	.3160-02	.3160-02	.9500	.1215-03	.1751-03	.1395-01	.1381	588.8
397	420.00	.28500	18.000	.7686-01	.1085	.1085	.9500	.4259-02	.6012-02	.5140	5.910	583.0
397	420.00	.33700	19.000	.8079-01	.1149	.1149	.9500	.4477-02	.6368-02	.5304	6.125	585.2
397	420.00	.39000	20.000	.7283-01	.1025	.1025	.9500	.4036-02	.5682-02	.4901	5.668	582.2
397	420.00	.42600	21.000	.6749-01	.9397-01	.9397-01	.9500	.3740-02	.5207-02	.4668	5.379	578.8
397	420.00	.47800	22.000	.5960-01	.8160-01	.8160-01	.9500	.3303-02	.4522-02	.4309	4.730	573.2
397	420.00	.53000	23.000	.5571-01	.7537-01	.7537-01	.9500	.3087-02	.4177-02	.4165	4.582	568.8
397	420.00	.56700	24.000	.5714-01	.7741-01	.7741-01	.9500	.3167-02	.4290-02	.4255	4.566	569.3
397	420.00	.62000	25.000	.5973-01	.8147-01	.8147-01	.9500	.3310-02	.4515-02	.4365	4.678	571.8
397	420.00	.67000	26.000	.5895-01	.8038-01	.8038-01	.9500	.3266-02	.4454-02	.4310	4.619	571.7
397	420.00	.70500	27.000	.5776-01	.7948-01	.7948-01	.9500	.3201-02	.4404-02	.4121	4.367	574.9
397	420.00	.75000	28.000	.5530-01	.7801-01	.7801-01	.9500	.3064-02	.4323-02	.3703	3.986	582.8
397	420.00	.80000	29.000	.5142-01	.7373-01	.7373-01	.9500	.2849-02	.4086-02	.3313	3.575	587.4
397	437.50	.27500	1.0000	.3498-01	.4759-01	.4759-01	.9500	.1938-02	.2637-02	.2574	2.631	570.9
397	442.00	.30000	2.0000	.4017-01	.5515-01	.5515-01	.9500	.2226-02	.3056-02	.2883	3.012	574.2
397	445.00	.32500	3.0000	.4515-01	.6222-01	.6222-01	.9500	.2502-02	.3448-02	.3210	3.244	575.4
397	445.00	.35000	4.0000	.4933-01	.6763-01	.6763-01	.9500	.2733-02	.3747-02	.3554	3.628	573.6
397	445.00	.37500	5.0000	.4909-01	.6727-01	.6727-01	.9500	.2720-02	.3727-02	.3541	3.666	573.5
397	445.00	.40000	6.0000	.5272-01	.7218-01	.7218-01	.9500	.2921-02	.4000-02	.3812	3.856	573.2

IH102 56-0/60-TS FUSELAGE (R4WV08)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
397	445.00	.42500	7.0000	.4714-01	.6443-01	.6443-01	.9500	.2612-02	.3570-02	.3425	3.499	572.5
397	445.00	.45000	8.0000	.4439-01	.6011-01	.6011-01	.9500	.2460-02	.3331-02	.3311	3.341	569.1
397	445.00	.47500	9.0000	.3784-01	.5034-01	.5034-01	.9500	.2097-02	.2789-02	.2973	2.997	561.9
397	445.00	.50000	10.000	.3347-01	.4454-01	.4454-01	.9500	.1855-02	.2468-02	.2625	2.635	562.1
397	445.00	.52500	11.000	.3506-01	.4669-01	.4669-01	.9500	.1943-02	.2587-02	.2742	2.751	562.5
397	445.00	.55000	12.000	.3892-01	.5156-01	.5156-01	.9500	.2156-02	.2857-02	.3093	3.079	560.2
397	445.00	.60000	13.000	.3437-01	.4552-01	.4552-01	.9500	.1904-02	.2522-02	.2735	2.747	560.1
397	445.00	.65000	14.000	.3898-01	.5224-01	.5224-01	.9500	.2160-02	.2895-02	.2993	2.999	565.1
397	445.00	.70000	15.000	.4009-01	.5435-01	.5435-01	.9500	.2222-02	.3011-02	.2981	2.876	569.5
397	445.00	.75000	16.000	.3978-01	.5467-01	.5467-01	.9500	.2204-02	.3030-02	.2847	2.840	574.5
397	445.00	.80000	17.000	.1979-01	.2775-01	.2775-01	.9500	.1097-02	.1538-02	.1346	1.280	581.0

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
386	1.058	3.010	.2200-01	.3840-04	10.01	699.7	248.8	.2686	1.703	2328.	.2914-02	.1991-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
386	.2887-01	.1770-01

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
386	355.00	.22500	72.000	.1518-01	.1996-01	.1996-01	.9500	.4383-03	.5762-03	.6405-01	.7474	553.5
386	355.00	.25000	73.000	.2955-01	.3883-01	.3883-01	.9500	.8531-03	.1121-02	.1248	1.457	553.3
386	355.00	.27500	74.000	.3510-01	.4634-01	.4634-01	.9500	.1013-02	.1338-02	.1461	1.798	555.4
386	355.00	.80000	75.000	.2096-01	.2731-01	.2731-01	.9500	.6051-03	.7883-03	.9106-01	1.094	549.2
386	355.00	.85000	76.000	.4731-01	.6223-01	.6223-01	.9500	.1366-02	.1797-02	.1992	2.349	553.8
386	355.00	.87500	77.000	.3372-01	.4447-01	.4447-01	.9500	.9734-03	.1284-02	.1408	1.835	555.0
386	355.00	.90000	78.000	.2923-01	.3841-01	.3841-01	.9500	.8438-03	.1109-02	.1234	1.591	553.4
386	355.00	.92500	79.000	.2931-01	.3843-01	.3843-01	.9500	.8462-03	.1110-02	.1247	1.537	552.3
386	372.50	.30000	56.000	.3852-01	.5063-01	.5063-01	.9500	.1112-02	.1462-02	.1626	2.121	553.4
386	372.50	.32500	57.000	.4256-01	.5631-01	.5631-01	.9500	.1229-02	.1626-02	.1760	2.292	556.4
386	372.50	.35000	58.000	.4334-01	.5733-01	.5733-01	.9500	.1251-02	.1655-02	.1793	2.336	556.3
386	372.50	.37500	59.000	.4339-01	.5747-01	.5747-01	.9500	.1253-02	.1659-02	.1788	2.328	556.9
386	372.50	.40000	60.000	.5376-01	.7034-01	.7034-01	.9500	.1552-02	.2031-02	.2304	3.009	551.2
386	372.50	.42500	61.000	.4997-01	.6515-01	.6515-01	.9500	.1443-02	.1881-02	.2166	2.831	549.5
386	372.50	.45000	62.000	.4643-01	.6055-01	.6055-01	.9500	.1340-02	.1748-02	.2010	2.596	549.7
386	372.50	.47500	63.000	.4274-01	.5555-01	.5555-01	.9500	.1234-02	.1604-02	.1871	2.377	548.0
386	372.50	.50000	64.000	.3968-01	.5161-01	.5161-01	.9500	.1146-02	.1490-02	.1734	2.142	548.3
386	372.50	.52500	65.000	.3777-01	.4922-01	.4922-01	.9500	.1090-02	.1421-02	.1639	2.023	549.4
386	372.50	.55000	66.000	.3643-01	.4751-01	.4751-01	.9500	.1052-02	.1372-02	.1578	1.845	549.6
386	372.50	.60000	67.000	.2868-01	.3745-01	.3745-01	.9500	.8281-03	.1081-02	.1237	1.388	550.3
386	372.50	.65000	68.000	.2587-01	.3373-01	.3373-01	.9500	.7469-03	.9739-03	.1121	1.311	549.5

IH102 56-0/60-TS FUSELAGE (R4WV09)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
386	372.50	.70000	69.000	.2536-01	.3315-01	.3315-01	.9500	.7321-03	.9569-03	.1090	1.210	550.7
386	372.50	.75000	70.000	.3373-01	.4412-01	.4412-01	.9500	.9739-03	.1274-02	.1447	1.606	551.1
386	400.00	.20000	31.000	.2031-01	.2663-01	.2663-01	.9500	.5863-03	.7689-03	.8641-01	.9129	552.3
386	400.00	.22500	32.000	.4758-01	.6270-01	.6270-01	.9500	.1374-02	.1810-02	.1993	2.220	554.6
386	400.00	.25000	33.000	.5702-01	.7475-01	.7475-01	.9500	.1646-02	.2158-02	.2428	2.707	552.2
386	400.00	.27500	34.000	.6868-01	.9016-01	.9016-01	.9500	.1983-02	.2603-02	.2911	3.472	552.8
386	400.00	.30000	35.000	.7057-01	.9256-01	.9256-01	.9500	.2037-02	.2672-02	.3000	3.697	552.4
386	400.00	.32500	36.000	.6725-01	.8857-01	.8857-01	.9500	.1941-02	.2557-02	.2821	3.291	554.4
386	400.00	.35000	37.000	.5962-01	.7829-01	.7829-01	.9500	.1721-02	.2260-02	.2525	2.916	553.0
386	400.00	.37500	38.000	.5393-01	.7039-01	.7039-01	.9500	.1557-02	.2032-02	.2329	2.722	550.1
386	400.00	.40000	39.000	.4127-01	.5341-01	.5341-01	.9500	.1192-02	.1542-02	.1834	2.160	545.7
386	400.00	.42500	40.000	.4416-01	.5729-01	.5729-01	.9500	.1275-02	.1654-02	.1946	2.302	547.0
386	400.00	.45000	41.000	.4165-01	.5387-01	.5387-01	.9500	.1203-02	.1555-02	.1855	2.117	545.4
386	400.00	.47500	42.000	.4134-01	.5360-01	.5360-01	.9500	.1194-02	.1547-02	.1826	2.031	546.7
386	400.00	.50000	43.000	.3825-01	.4952-01	.4952-01	.9500	.1104-02	.1430-02	.1698	1.889	545.9
386	400.00	.52500	44.000	.3508-01	.4573-01	.4573-01	.9500	.1013-02	.1320-02	.1522	1.780	549.4
386	400.00	.55000	45.000	.3568-01	.4651-01	.4651-01	.9500	.1030-02	.1343-02	.1547	1.718	549.5
386	400.00	.60000	46.000	.3940-01	.5161-01	.5161-01	.9500	.1138-02	.1490-02	.1683	1.822	551.7
386	400.00	.65000	47.000	.4034-01	.5284-01	.5284-01	.9500	.1165-02	.1526-02	.1722	1.820	551.8
386	400.00	.70000	48.000	.3945-01	.5174-01	.5174-01	.9500	.1139-02	.1494-02	.1676	1.841	552.5
386	400.00	.75000	49.000	.4109-01	.5399-01	.5399-01	.9500	.1186-02	.1559-02	.1737	1.879	553.2
386	400.00	.80000	50.000	.4645-01	.6086-01	.6086-01	.9500	.1341-02	.1757-02	.1983	2.115	551.8
386	400.00	.85000	51.000	.1402-01	.1842-01	.1842-01	.9500	.4047-03	.5319-03	.5921-01	.7294	553.4
386	400.00	.87500	52.000	.2004-01	.2620-01	.2620-01	.9500	.5787-03	.7565-03	.8610-01	1.062	550.9
386	420.00	.28500	18.000	.3364-01	.4442-01	.4442-01	.9500	.9711-03	.1282-02	.1399	1.631	555.6
386	420.00	.33700	19.000	.7960-01	.1050	.1050	.9500	.2298-02	.3032-02	.3321	3.893	555.1
386	420.00	.39000	20.000	.6437-01	.8434-01	.8434-01	.9500	.1858-02	.2435-02	.2746	3.224	551.9
386	420.00	.42600	21.000	.5502-01	.7169-01	.7169-01	.9500	.1588-02	.2070-02	.2389	2.794	549.3
386	420.00	.47800	22.000	.4177-01	.5410-01	.5410-01	.9500	.1206-02	.1562-02	.1851	2.059	546.2
386	420.00	.53000	23.000	.3704-01	.4783-01	.4783-01	.9500	.1069-02	.1381-02	.1659	1.848	544.5
386	420.00	.56700	24.000	.3586-01	.4650-01	.4650-01	.9500	.1035-02	.1343-02	.1583	1.718	546.8
386	420.00	.62000	25.000	.3240-01	.4226-01	.4226-01	.9500	.9354-03	.1220-02	.1402	1.519	549.8
386	420.00	.67000	26.000	.3434-01	.4486-01	.4486-01	.9500	.9913-03	.1295-02	.1478	1.601	550.6
386	420.00	.70500	27.000	.3704-01	.4852-01	.4852-01	.9500	.1069-02	.1401-02	.1582	1.696	551.8
386	420.00	.75000	28.000	.3872-01	.5092-01	.5092-01	.9500	.1118-02	.1470-02	.1632	1.782	553.7
386	420.00	.82400	30.000	.1202-01	.1564-01	.1564-01	.9500	.3470-03	.4514-03	.5247-01	.7290	548.5
386	437.50	.27500	1.0000	.2154-01	.2809-01	.2809-01	.9500	.6218-03	.8111-03	.9324-01	.9634	549.7
386	442.00	.30000	2.0000	.1227-01	.1595-01	.1595-01	.9500	.3541-03	.4606-03	.5361-01	.5675	548.3
386	445.00	.32500	3.0000	.1349-01	.1749-01	.1749-01	.9500	.3894-03	.5049-03	.5957-01	.6108	546.7
386	445.00	.35000	4.0000	.3138-01	.4090-01	.4090-01	.9500	.9058-03	.1181-02	.1361	1.407	549.4
386	445.00	.37500	5.0000	.7245-01	.9404-01	.9404-01	.9500	.2092-02	.2715-02	.3188	3.344	547.3
386	445.00	.40000	6.0000	.5613-01	.7253-01	.7253-01	.9500	.1620-02	.2094-02	.2507	2.573	545.0
386	445.00	.42500	7.0000	.4726-01	.6116-01	.6116-01	.9500	.1365-02	.1766-02	.2101	2.176	545.7

IH102 56-0/60-TS FUSELAGE (R4WV09)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
386	445.00	.45000	8.0000	.4811-01	.6204-01	.6204-01	.9500	.1389-02	.1791-02	.2164	2.212	543.8
386	445.00	.47500	9.0000	.4341-01	.5555-01	.5555-01	.9500	.1253-02	.1604-02	.2006	2.045	539.6
386	445.00	.50000	10.000	.4016-01	.5160-01	.5160-01	.9500	.1159-02	.1490-02	.1829	1.854	541.9
386	445.00	.52500	11.000	.4066-01	.5232-01	.5232-01	.9500	.1174-02	.1511-02	.1841	1.866	542.8
386	445.00	.55000	12.000	.3853-01	.4948-01	.4948-01	.9500	.1112-02	.1429-02	.1759	1.767	541.6
386	445.00	.60000	13.000	.3468-01	.4463-01	.4463-01	.9500	.1001-02	.1288-02	.1571	1.592	542.7
386	445.00	.65000	14.000	.3581-01	.4637-01	.4637-01	.9500	.1034-02	.1339-02	.1588	1.606	546.1
386	445.00	.70000	15.000	.3422-01	.4453-01	.4453-01	.9500	.9879-03	.1286-02	.1492	1.455	548.6
386	445.00	.75000	16.000	.3341-01	.4352-01	.4352-01	.9500	.9645-03	.1256-02	.1453	1.467	549.1
386	445.00	.80000	17.000	.3814-01	.5010-01	.5010-01	.9500	.1101-02	.1447-02	.1612	1.555	553.2

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
391	3.849	3.010	.6200-01	.1299-03	37.17	709.7	252.4	.9968	6.322	2344.	.1066-01	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
391	.5576-01	.9272-02

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
391	355.00	.80000	75.000	.3367-01	.4414-01	.4414-01	.9500	.1877-02	.2461-02	.2808	3.354	560.1
391	355.00	.85000	76.000	.4445-01	.5922-01	.5922-01	.9500	.2478-02	.3302-02	.3524	4.127	567.5
391	355.00	.87500	77.000	.3671-01	.4913-01	.4913-01	.9500	.2047-02	.2739-02	.2872	3.716	569.4
391	355.00	.90000	78.000	.3758-01	.5017-01	.5017-01	.9500	.2095-02	.2797-02	.2963	3.791	568.3
391	355.00	.92500	79.000	.4159-01	.5553-01	.5553-01	.9500	.2319-02	.3096-02	.3278	4.008	568.3
391	355.00	.95000	80.000	.3612-01	.4790-01	.4790-01	.9500	.2014-02	.2671-02	.2907	3.372	565.4
391	372.50	.30000	56.000	.8787-01	.1215	.1215	.9500	.4900-02	.6773-02	.6286	8.086	581.4
391	372.50	.32500	57.000	.9031-01	.1264	.1264	.9500	.5036-02	.7048-02	.6258	8.033	585.4
391	372.50	.35000	58.000	.8937-01	.1241	.1241	.9500	.4983-02	.6922-02	.6313	8.114	583.0
391	372.50	.37500	59.000	.8767-01	.1217	.1217	.9500	.4888-02	.6783-02	.6209	7.981	582.7
391	372.50	.40000	60.000	.8523-01	.1179	.1179	.9500	.4752-02	.6577-02	.6078	7.817	581.8
391	372.50	.42500	61.000	.8075-01	.1107	.1107	.9500	.4502-02	.6171-02	.5907	7.609	578.5
391	372.50	.45000	62.000	.7500-01	.1027	.1027	.9500	.4182-02	.5726-02	.5502	7.005	578.1
391	372.50	.47500	63.000	.6988-01	.9458-01	.9458-01	.9500	.3897-02	.5274-02	.5295	6.641	573.8
391	372.50	.50000	64.000	.6421-01	.8637-01	.8637-01	.9500	.3580-02	.4816-02	.4952	6.046	571.3
391	372.50	.52500	65.000	.5941-01	.7981-01	.7981-01	.9500	.3313-02	.4450-02	.4600	5.617	570.8
391	372.50	.55000	66.000	.5514-01	.7349-01	.7349-01	.9500	.3075-02	.4098-02	.4368	5.062	567.6
391	372.50	.60000	67.000	.4463-01	.5915-01	.5915-01	.9500	.2488-02	.3298-02	.3596	4.003	565.2
391	372.50	.65000	68.000	.3794-01	.4988-01	.4988-01	.9500	.2116-02	.2781-02	.3137	3.647	561.4
391	372.50	.70000	69.000	.3821-01	.5038-01	.5038-01	.9500	.2131-02	.2809-02	.3131	3.455	562.7
391	372.50	.75000	70.000	.4449-01	.5880-01	.5880-01	.9500	.2481-02	.3279-02	.3618	3.990	563.8

IH102 56-0/60-TS FUSELAGE (R4WV09)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
391	400.00	.22500	32.000	.9737-01	.1352	.1352	.9500	.5429-02	.7540-02	.6883	7.557	582.9
391	400.00	.25000	33.000	.7532-01	.1014	.1014	.9500	.4200-02	.5654-02	.5792	6.395	571.7
391	400.00	.30000	35.000	.7349-01	.9940-01	.9940-01	.9500	.4098-02	.5542-02	.5579	6.803	573.5
391	400.00	.32500	36.000	.8376-01	.1149	.1149	.9500	.4670-02	.6409-02	.6110	7.040	578.9
391	400.00	.35000	37.000	.8340-01	.1143	.1143	.9500	.4650-02	.6372-02	.6108	6.966	578.3
391	400.00	.37500	38.000	.7878-01	.1069	.1069	.9500	.4393-02	.5959-02	.5932	6.850	574.6
391	400.00	.40000	39.000	.6693-01	.8950-01	.8950-01	.9500	.3732-02	.4991-02	.5251	6.112	569.0
391	400.00	.42500	40.000	.7501-01	.1017	.1017	.9500	.4183-02	.5669-02	.5659	6.604	574.4
391	400.00	.45000	41.000	.7337-01	.9877-01	.9877-01	.9500	.4091-02	.5507-02	.5644	6.359	571.7
391	400.00	.47500	42.000	.7471-01	.1007	.1007	.9500	.4165-02	.5613-02	.5730	6.294	572.1
391	400.00	.50000	43.000	.6863-01	.9202-01	.9202-01	.9500	.3827-02	.5131-02	.5343	5.875	570.0
391	400.00	.52500	44.000	.6736-01	.9148-01	.9148-01	.9500	.3756-02	.5101-02	.5055	5.835	575.1
391	400.00	.55000	45.000	.6879-01	.9289-01	.9289-01	.9500	.3836-02	.5179-02	.5246	5.760	572.9
391	400.00	.60000	46.000	.6618-01	.8914-01	.8914-01	.9500	.3690-02	.4970-02	.5085	5.449	571.9
391	400.00	.65000	47.000	.6266-01	.8352-01	.8352-01	.9500	.3494-02	.4657-02	.4966	5.206	567.5
391	400.00	.70000	48.000	.5610-01	.7453-01	.7453-01	.9500	.3128-02	.4156-02	.4488	4.895	566.2
391	400.00	.75000	49.000	.5095-01	.6777-01	.6777-01	.9500	.2841-02	.3779-02	.4063	4.365	566.7
391	400.00	.80000	50.000	.5979-01	.7995-01	.7995-01	.9500	.3334-02	.4458-02	.4690	4.961	569.0
391	400.00	.85000	51.000	.2644-01	.3512-01	.3512-01	.9500	.1474-02	.1958-02	.2115	2.589	566.2
391	400.00	.87500	52.000	.2001-01	.2656-01	.2656-01	.9500	.1116-02	.1481-02	.1606	1.966	565.7
391	400.00	.90000	53.000	.1575-01	.2103-01	.2103-01	.9500	.8784-03	.1173-02	.1243	1.709	568.2
391	400.00	.92500	54.000	.1543-01	.2048-01	.2048-01	.9500	.8603-03	.1142-02	.1237	1.603	565.9
391	400.00	.95000	55.000	.1592-01	.2085-01	.2085-01	.9500	.8880-03	.1163-02	.1334	1.340	559.5
391	420.00	.28500	18.000	.5777-01	.7684-01	.7684-01	.9500	.3221-02	.4284-02	.4606	5.340	566.7
391	420.00	.33700	19.000	.7331-01	.9906-01	.9906-01	.9500	.4088-02	.5523-02	.5579	6.481	573.2
391	420.00	.39000	20.000	.7043-01	.9487-01	.9487-01	.9500	.3927-02	.5290-02	.5410	6.288	571.9
391	420.00	.42600	21.000	.6265-01	.8400-01	.8400-01	.9500	.3493-02	.4684-02	.4876	5.643	570.1
391	420.00	.47800	22.000	.6061-01	.8072-01	.8072-01	.9500	.3379-02	.4501-02	.4812	5.298	567.3
391	420.00	.53000	23.000	.5389-01	.7104-01	.7104-01	.9500	.3005-02	.3961-02	.4417	4.874	562.7
391	420.00	.56700	24.000	.5626-01	.7458-01	.7458-01	.9500	.3137-02	.4158-02	.4532	4.873	565.2
391	420.00	.62000	25.000	.5421-01	.7211-01	.7211-01	.9500	.3023-02	.4021-02	.4320	4.642	566.7
391	420.00	.67000	26.000	.5449-01	.7232-01	.7232-01	.9500	.3038-02	.4032-02	.4373	4.701	565.7
391	420.00	.70500	27.000	.5732-01	.7629-01	.7629-01	.9500	.3196-02	.4254-02	.4561	4.852	567.0
391	420.00	.75000	28.000	.5803-01	.7782-01	.7782-01	.9500	.3235-02	.4339-02	.4513	4.889	570.2
391	420.00	.80000	29.000	.6534-01	.8938-01	.8938-01	.9500	.3643-02	.4984-02	.4806	5.212	577.7
391	420.00	.82400	30.000	.2028-01	.2669-01	.2669-01	.9500	.1131-02	.1488-02	.1669	2.304	562.0
391	437.50	.27500	1.0000	.3114-01	.4030-01	.4030-01	.9500	.1736-02	.2247-02	.2708	2.792	553.7
391	442.00	.30000	2.0000	.2824-01	.3665-01	.3665-01	.9500	.1574-02	.2043-02	.2434	2.568	555.1
391	445.00	.32500	3.0000	.3533-01	.4616-01	.4616-01	.9500	.1970-02	.2574-02	.2980	3.038	558.4
391	445.00	.35000	4.0000	.4629-01	.6055-01	.6055-01	.9500	.2581-02	.3376-02	.3889	3.999	559.0
391	445.00	.37500	5.0000	.3755-01	.5037-01	.5037-01	.9500	.2094-02	.2808-02	.2921	3.029	570.2
391	445.00	.40000	6.0000	.6619-01	.8790-01	.8790-01	.9500	.3691-02	.4901-02	.5303	5.385	566.0
391	445.00	.42500	7.0000	.5983-01	.8003-01	.8003-01	.9500	.3336-02	.4462-02	.4689	4.798	569.1

IH102 56-0/60-TS FUSELAGE (R4WV09)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
391	445.00	.45000	8.0000	.5225-01	.6922-01	.6922-01	.9500	.2913-02	.3859-02	.4217	4.264	564.9
391	445.00	.47500	9.0000	.4349-01	.5669-01	.5669-01	.9500	.2425-02	.3161-02	.3696	3.735	557.3
391	445.00	.50000	10.000	.4189-01	.5490-01	.5490-01	.9500	.2336-02	.3061-02	.3499	3.515	559.9
391	445.00	.52500	11.000	.4041-01	.5305-01	.5305-01	.9500	.2253-02	.2958-02	.3357	3.371	560.7
391	445.00	.55000	12.000	.3938-01	.5137-01	.5137-01	.9500	.2196-02	.2865-02	.3336	3.324	557.7
391	445.00	.60000	13.000	.3697-01	.4816-01	.4816-01	.9500	.2062-02	.2685-02	.3149	3.168	556.9
391	445.00	.65000	14.000	.4179-01	.5475-01	.5475-01	.9500	.2330-02	.3053-02	.3492	3.509	559.6
391	445.00	.70000	15.000	.4266-01	.5619-01	.5619-01	.9500	.2378-02	.3133-02	.3504	3.392	562.4
391	445.00	.75000	16.000	.4055-01	.5353-01	.5353-01	.9500	.2261-02	.2985-02	.3308	3.317	563.4
391	445.00	.80000	17.000	.5391-01	.7261-01	.7261-01	.9500	.3006-02	.4049-02	.4141	3.955	571.9

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
390	1.082	3.010	.3600-01	.8796-04	10.18	696.7	247.7	.2730	1.731	2323.	.2974-02	.1983-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
390	.2908-01	.1751-01

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
390	355.00	.80000	75.000	.1930-01	.2517-01	.2517-01	.9500	.5613-03	.7320-03	.8387-01	1.008	547.3
390	355.00	.85000	76.000	.4543-01	.5980-01	.5980-01	.9500	.1321-02	.1739-02	.1915	2.260	551.7
390	355.00	.87500	77.000	.3202-01	.4226-01	.4226-01	.9500	.9312-03	.1229-02	.1339	1.747	552.9
390	355.00	.90000	78.000	.2825-01	.3713-01	.3713-01	.9500	.8216-03	.1080-02	.1197	1.545	551.0
390	355.00	.92500	79.000	.2568-01	.3365-01	.3365-01	.9500	.7468-03	.9787-03	.1098	1.355	549.6
390	355.00	.95000	80.000	.1252-01	.1629-01	.1629-01	.9500	.3641-03	.4736-03	.5486-01	.6427	546.0
390	372.50	.30000	56.000	.4074-01	.5311-01	.5311-01	.9500	.1185-02	.1545-02	.1771	2.317	547.2
390	372.50	.32500	57.000	.4492-01	.5915-01	.5915-01	.9500	.1306-02	.1720-02	.1892	2.469	551.9
390	372.50	.35000	58.000	.4575-01	.6024-01	.6024-01	.9500	.1331-02	.1752-02	.1926	2.514	551.9
390	372.50	.37500	59.000	.4584-01	.6055-01	.6055-01	.9500	.1333-02	.1761-02	.1912	2.493	553.3
390	372.50	.40000	60.000	.5273-01	.6880-01	.6880-01	.9500	.1534-02	.2001-02	.2287	2.992	547.5
390	372.50	.42500	61.000	.4920-01	.6394-01	.6394-01	.9500	.1431-02	.1860-02	.2162	2.831	545.6
390	372.50	.45000	62.000	.4622-01	.6020-01	.6020-01	.9500	.1344-02	.1751-02	.2016	2.608	546.7
390	372.50	.47500	63.000	.4286-01	.5567-01	.5557-01	.9500	.1247-02	.1616-02	.1899	2.418	544.3
390	372.50	.50000	64.000	.3998-01	.5187-01	.5187-01	.9500	.1163-02	.1508-02	.1767	2.186	544.7
390	372.50	.52500	65.000	.3820-01	.4970-01	.4970-01	.9500	.1111-02	.1445-02	.1672	2.067	546.2
390	372.50	.55000	66.000	.3567-01	.4648-01	.4648-01	.9500	.1037-02	.1352-02	.1554	1.820	546.8
390	372.50	.60000	67.000	.2812-01	.3675-01	.3675-01	.9500	.8179-03	.1069-02	.1214	1.363	548.3
390	372.50	.65000	68.000	.2453-01	.3193-01	.3193-01	.9500	.7134-03	.9286-03	.1072	1.256	546.4
390	372.50	.70000	69.000	.2497-01	.3270-01	.3270-01	.9500	.7263-03	.9509-03	.1071	1.190	549.2
390	372.50	.75000	70.000	.3290-01	.4311-01	.4311-01	.9500	.9570-03	.1254-02	.1408	1.564	549.5

IH102 56-0/60-TS FUSELAGE (R4WV10)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
390	400.00	.20000	31.000	.2254-01	.2916-01	.2916-01	.9500	.6556-03	.8480-03	.1006	1.068	543.2
390	400.00	.22500	32.000	.4670-01	.6105-01	.6105-01	.9500	.1358-02	.1775-02	.2013	2.249	548.4
390	400.00	.25000	33.000	.5774-01	.7506-01	.7506-01	.9500	.1679-02	.2183-02	.2535	2.835	545.7
390	400.00	.27500	34.000	.6752-01	.8803-01	.8803-01	.9500	.1964-02	.2560-02	.2936	3.511	547.2
390	400.00	.30000	35.000	.7113-01	.9285-01	.9285-01	.9500	.2069-02	.2700-02	.3081	3.806	547.7
390	400.00	.32500	36.000	.6892-01	.9073-01	.9073-01	.9500	.2005-02	.2639-02	.2906	3.394	551.7
390	400.00	.35000	37.000	.6136-01	.8055-01	.8055-01	.9500	.1785-02	.2343-02	.2609	3.017	550.5
390	400.00	.37500	38.000	.5376-01	.7005-01	.7005-01	.9500	.1564-02	.2037-02	.2343	2.743	546.8
390	400.00	.40000	39.000	.4103-01	.5304-01	.5304-01	.9500	.1193-02	.1543-02	.1836	2.165	542.8
390	400.00	.42500	40.000	.4289-01	.5557-01	.5557-01	.9500	.1247-02	.1616-02	.1905	2.257	544.0
390	400.00	.45000	41.000	.3972-01	.5126-01	.5126-01	.9500	.1155-02	.1491-02	.1788	2.045	541.9
390	400.00	.47500	42.000	.4039-01	.5230-01	.5230-01	.9500	.1175-02	.1521-02	.1796	2.001	543.8
390	400.00	.50000	43.000	.3800-01	.4914-01	.4914-01	.9500	.1105-02	.1429-02	.1699	1.893	543.0
390	400.00	.52500	44.000	.3420-01	.4472-01	.4472-01	.9500	.9946-03	.1301-02	.1472	1.722	548.7
390	400.00	.55000	45.000	.3444-01	.4501-01	.4501-01	.9500	.1002-02	.1309-02	.1486	1.652	548.3
390	400.00	.60000	46.000	.3823-01	.5029-01	.5029-01	.9500	.1112-02	.1463-02	.1615	1.748	551.4
390	400.00	.65000	47.000	.3839-01	.5041-01	.5041-01	.9500	.1116-02	.1466-02	.1631	1.724	550.6
390	400.00	.70000	48.000	.3766-01	.4949-01	.4949-01	.9500	.1095-02	.1439-02	.1596	1.754	550.9
390	400.00	.75000	49.000	.3908-01	.5156-01	.5156-01	.9500	.1137-02	.1499-02	.1636	1.770	552.7
390	400.00	.80000	50.000	.4585-01	.6025-01	.6025-01	.9500	.1333-02	.1752-02	.1943	2.074	551.0
390	400.00	.85000	51.000	.1300-01	.1711-01	.1711-01	.9500	.3782-03	.4976-03	.5492-01	.6772	551.5
390	400.00	.87500	52.000	.1992-01	.2603-01	.2603-01	.9500	.5792-03	.7571-03	.8586-01	1.060	548.4
390	400.00	.90000	53.000	.2074-01	.2711-01	.2711-01	.9500	.6031-03	.7885-03	.8934-01	1.241	548.5
390	400.00	.92500	54.000	.2209-01	.2875-01	.2875-01	.9500	.6425-03	.8361-03	.9667-01	1.265	546.2
390	400.00	.95000	55.000	.2530-01	.3278-01	.3278-01	.9500	.7357-03	.9534-03	.1122	1.137	544.1
390	420.00	.28500	18.000	.4349-01	.5652-01	.5652-01	.9500	.1265-02	.1644-02	.1912	2.240	545.5
390	420.00	.33700	19.000	.7853-01	.1032	.1032	.9500	.2284-02	.3001-02	.3331	3.913	550.8
390	420.00	.39000	20.000	.6443-01	.8420-01	.8420-01	.9500	.1874-02	.2449-02	.2780	3.270	548.3
390	420.00	.42600	21.000	.5546-01	.7209-01	.7209-01	.9500	.1613-02	.2097-02	.2435	2.853	545.7
390	420.00	.47800	22.000	.4207-01	.5438-01	.5438-01	.9500	.1223-02	.1582-02	.1882	2.098	542.9
390	420.00	.53000	23.000	.3581-01	.4614-01	.4614-01	.9500	.1041-02	.1342-02	.1620	1.807	541.1
390	420.00	.56700	24.000	.3456-01	.4486-01	.4486-01	.9500	.1005-02	.1305-02	.1526	1.657	544.9
390	420.00	.62000	25.000	.3437-01	.4492-01	.4492-01	.9500	.9995-03	.1306-02	.1482	1.607	548.4
390	420.00	.67000	26.000	.3294-01	.4312-01	.4312-01	.9500	.9580-03	.1254-02	.1413	1.532	549.1
390	420.00	.70500	27.000	.3531-01	.4633-01	.4633-01	.9500	.1027-02	.1347-02	.1505	1.615	550.1
390	420.00	.75000	28.000	.3662-01	.4829-01	.4829-01	.9500	.1065-02	.1404-02	.1535	1.677	552.6
390	420.00	.80000	29.000	.5150-01	.6836-01	.6836-01	.9500	.1498-02	.1988-02	.2116	2.320	555.4
390	420.00	.82400	30.000	.1168-01	.1520-01	.1520-01	.9500	.3396-03	.4421-03	.5100-01	.7093	546.5
390	437.50	.27500	1.0000	.2103-01	.2718-01	.2718-01	.9500	.6116-03	.7905-03	.9417-01	.9764	542.7
390	442.00	.30000	2.0000	.1179-01	.1521-01	.1521-01	.9500	.3428-03	.4423-03	.5309-01	.5638	541.8
390	445.00	.32500	3.0000	.1275-01	.1643-01	.1643-01	.9500	.3708-03	.4778-03	.5771-01	.5934	541.0
390	445.00	.35000	4.0000	.3324-01	.4300-01	.4300-01	.9500	.9669-03	.1251-02	.1484	1.538	543.2
390	445.00	.37500	5.0000	.7234-01	.9329-01	.9329-01	.9500	.2104-02	.2713-02	.3263	3.434	541.6

IH102 56-0/60-TS FUSELAGE (R4WV10)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
390	445.00	.40000	6.0000	.5631-01	.7230-01	.7230-01	.9500	.1638-02	.2103-02	.2578	2.653	539.2
390	445.00	.42500	7.0000	.4721-01	.6091-01	.6091-01	.9500	.1373-02	.1771-02	.2127	2.206	541.8
390	445.00	.45000	8.0000	.4794-01	.6154-01	.6154-01	.9500	.1394-02	.1790-02	.2199	2.253	539.0
390	445.00	.47500	9.0000	.4304-01	.5471-01	.5471-01	.9500	.1252-02	.1591-02	.2044	2.091	533.3
390	445.00	.50000	10.000	.3965-01	.5073-01	.5073-01	.9500	.1153-02	.1475-02	.1838	1.868	537.2
390	445.00	.52500	11.000	.3943-01	.5062-01	.5062-01	.9500	.1147-02	.1472-02	.1805	1.833	539.2
390	445.00	.55000	12.000	.3644-01	.4668-01	.4668-01	.9500	.1060-02	.1358-02	.1682	1.693	537.9
390	445.00	.60000	13.000	.3302-01	.4246-01	.4246-01	.9500	.9604-03	.1235-02	.1505	1.527	539.9
390	445.00	.65000	14.000	.3429-01	.4444-01	.4444-01	.9500	.9973-03	.1292-02	.1521	1.540	544.1
390	445.00	.70000	15.000	.3250-01	.4242-01	.4242-01	.9500	.9453-03	.1234-02	.1409	1.374	547.6
390	445.00	.75000	16.000	.3197-01	.4176-01	.4176-01	.9500	.9298-03	.1214-02	.1382	1.396	548.1
390	445.00	.80000	17.000	.3824-01	.5038-01	.5038-01	.9500	.1112-02	.1465-02	.1607	1.550	552.2

IH102 56-0/60-TS FUSELAGE (R4WV11)

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 3.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
398	3.847	3.010	5.082	-.5315-02	36.78	704.7	250.6	.9863	6.256	2336.	.1062-01	.2005-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
398	.5540-01	.9279-02

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
398	355.00	.20000	71.000	.1005	.1449	.1449	.9500	.5566-02	.8024-02	.6403	7.151	589.6
398	355.00	.22500	72.000	.9043-01	.1248	.1248	.9500	.5009-02	.6915-02	.6405	7.387	576.8
398	355.00	.25000	73.000	.6502-01	.8712-01	.8712-01	.9500	.3602-02	.4826-02	.5003	5.802	565.8
398	355.00	.27500	74.000	.5492-01	.7383-01	.7383-01	.9500	.3042-02	.4090-02	.4184	5.119	567.1
398	355.00	.80000	75.000	.2344-01	.3130-01	.3130-01	.9500	.1299-02	.1734-02	.1823	2.173	564.3
398	355.00	.85000	76.000	.3215-01	.4366-01	.4366-01	.9500	.1781-02	.2419-02	.2380	2.783	571.0
398	355.00	.87500	77.000	.2837-01	.3873-01	.3873-01	.9500	.1571-02	.2146-02	.2069	2.672	573.0
398	355.00	.90000	78.000	.3335-01	.4556-01	.4556-01	.9500	.1848-02	.2524-02	.2430	3.101	573.2
398	355.00	.92500	79.000	.3851-01	.5278-01	.5278-01	.9500	.2133-02	.2924-02	.2780	3.389	574.3
398	355.00	.95000	80.000	.3167-01	.4329-01	.4329-01	.9500	.1755-02	.2398-02	.2304	2.661	573.4
398	372.50	.30000	56.000	.6919-01	.9433-01	.9433-01	.9500	.3833-02	.5226-02	.5067	6.547	572.5
398	372.50	.32500	57.000	.6528-01	.8953-01	.8953-01	.9500	.3616-02	.4960-02	.4703	6.070	574.6
398	372.50	.35000	58.000	.6025-01	.8225-01	.8225-01	.9500	.3338-02	.4556-02	.4398	5.681	572.9
398	372.50	.37500	59.000	.5576-01	.7606-01	.7606-01	.9500	.3089-02	.4213-02	.4077	5.267	572.7
398	372.50	.40000	60.000	.5118-01	.6957-01	.6957-01	.9500	.2835-02	.3854-02	.3779	4.885	571.4
398	372.50	.42500	61.000	.4764-01	.6432-01	.6432-01	.9500	.2639-02	.3563-02	.3587	4.642	568.8
398	372.50	.45000	62.000	.4582-01	.6183-01	.6183-01	.9500	.2538-02	.3425-02	.3455	4.420	568.6
398	372.50	.47500	63.000	.4234-01	.5670-01	.5670-01	.9500	.2345-02	.3141-02	.3263	4.109	565.6
398	372.50	.50000	64.000	.3968-01	.5310-01	.5310-01	.9500	.2198-02	.2942-02	.3063	3.751	565.3
398	372.50	.52500	65.000	.3587-01	.4802-01	.4802-01	.9500	.1987-02	.2660-02	.2767	3.388	565.4
398	372.50	.55000	66.000	.3408-01	.4539-01	.4539-01	.9500	.1888-02	.2515-02	.2670	3.100	563.3

IH102 56-0/60-TS FUSELAGE (R4WV11)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
398	372.50	.60000	67.000	.2732-01	.3630-01	.3630-01	.9500	.1513-02	.2011-02	.2156	2.403	562.2
398	372.50	.65000	68.000	.2300-01	.3045-01	.3045-01	.9500	.1274-02	.1687-02	.1833	2.131	560.8
398	372.50	.70000	69.000	.2383-01	.3163-01	.3163-01	.9500	.1320-02	.1752-02	.1886	2.082	561.8
398	372.50	.75000	70.000	.3368-01	.4498-01	.4498-01	.9500	.1866-02	.2492-02	.2616	2.885	564.4
398	400.00	.20000	31.000	.6868-01	.9313-01	.9313-01	.9500	.3804-02	.5159-02	.5104	5.344	570.5
398	400.00	.22500	32.000	.8263-01	.1124	.1124	.9500	.4577-02	.6227-02	.6086	6.720	571.7
398	400.00	.25000	33.000	.8114-01	.1093	.1093	.9500	.4495-02	.6056-02	.6144	6.796	568.0
398	400.00	.27500	34.000	.7817-01	.1062	.1062	.9500	.4330-02	.5882-02	.5782	6.832	571.1
398	400.00	.30000	35.000	.7839-01	.1071	.1071	.9500	.4343-02	.5935-02	.5704	6.956	573.3
398	400.00	.32500	36.000	.8506-01	.1176	.1176	.9500	.4712-02	.6515-02	.5999	6.917	577.4
398	400.00	.35000	37.000	.8103-01	.1117	.1117	.9500	.4489-02	.6186-02	.5763	6.580	576.3
398	400.00	.37500	38.000	.7473-01	.1019	.1019	.9500	.4139-02	.5643-02	.5473	6.327	572.4
398	400.00	.40000	39.000	.5790-01	.7719-01	.7719-01	.9500	.3207-02	.4276-02	.4520	5.275	563.7
398	400.00	.42500	40.000	.5914-01	.7949-01	.7949-01	.9500	.3276-02	.4403-02	.4509	5.281	567.1
398	400.00	.45000	41.000	.5591-01	.7450-01	.7450-01	.9500	.3097-02	.4127-02	.4375	4.950	563.4
398	400.00	.47500	42.000	.5431-01	.7224-01	.7224-01	.9500	.3008-02	.4002-02	.4270	4.712	562.7
398	400.00	.50000	43.000	.4986-01	.6596-01	.6596-01	.9500	.2762-02	.3654-02	.3986	4.404	560.4
398	400.00	.52500	44.000	.4540-01	.6049-01	.6049-01	.9500	.2515-02	.3351-02	.3551	4.123	563.5
398	400.00	.55000	45.000	.4566-01	.6072-01	.6072-01	.9500	.2529-02	.3364-02	.3594	3.966	562.6
398	400.00	.60000	46.000	.4302-01	.5724-01	.5724-01	.9500	.2383-02	.3171-02	.3380	3.639	562.8
398	400.00	.65000	47.000	.3989-01	.5288-01	.5288-01	.9500	.2210-02	.2929-02	.3168	3.332	561.3
398	400.00	.70000	48.000	.3596-01	.4776-01	.4776-01	.9500	.1992-02	.2646-02	.2839	3.103	562.1
398	400.00	.75000	49.000	.3796-01	.5072-01	.5072-01	.9500	.2103-02	.2810-02	.2944	3.166	564.6
398	400.00	.80000	50.000	.5902-01	.7999-01	.7999-01	.9500	.3270-02	.4431-02	.4395	4.646	570.2
398	400.00	.85000	51.000	.1932-01	.2610-01	.2610-01	.9500	.1070-02	.1446-02	.1450	1.773	569.1
398	400.00	.87500	52.000	.2446-01	.3312-01	.3312-01	.9500	.1355-02	.1835-02	.1825	2.230	570.0
398	400.00	.90000	53.000	.2799-01	.3849-01	.3849-01	.9500	.1551-02	.2132-02	.2004	2.746	575.5
398	400.00	.92500	54.000	.3423-01	.4739-01	.4739-01	.9500	.1896-02	.2625-02	.2406	3.100	577.8
398	400.00	.95000	55.000	.3803-01	.5195-01	.5195-01	.9500	.2107-02	.2878-02	.2771	2.766	573.1
398	420.00	.28500	18.000	.7124-01	.9605-01	.9605-01	.9500	.3946-02	.5321-02	.5383	6.235	568.3
398	420.00	.33700	19.000	.6798-01	.9219-01	.9219-01	.9500	.3766-02	.5107-02	.5053	5.877	570.5
398	420.00	.39000	20.000	.6760-01	.9161-01	.9161-01	.9500	.3745-02	.5075-02	.5033	5.855	570.3
398	420.00	.42600	21.000	.6219-01	.8372-01	.8372-01	.9500	.3445-02	.4638-02	.4721	5.470	567.6
398	420.00	.47800	22.000	.5537-01	.7361-01	.7361-01	.9500	.3068-02	.4077-02	.4364	4.816	562.4
398	420.00	.53000	23.000	.4822-01	.6338-01	.6338-01	.9500	.2671-02	.3511-02	.3936	4.355	557.3
398	420.00	.56700	24.000	.4511-01	.5939-01	.5939-01	.9500	.2499-02	.3290-02	.3661	3.950	558.2
398	420.00	.62000	25.000	.4240-01	.5609-01	.5609-01	.9500	.2349-02	.3107-02	.3389	3.653	560.4
398	420.00	.67000	26.000	.3694-01	.4890-01	.4890-01	.9500	.2046-02	.2709-02	.2947	3.176	560.7
398	420.00	.70500	27.000	.3889-01	.5182-01	.5182-01	.9500	.2155-02	.2870-02	.3044	3.245	563.4
398	420.00	.75000	28.000	.4255-01	.5722-01	.5722-01	.9500	.2357-02	.3170-02	.3240	3.515	567.2
398	420.00	.80000	29.000	.5562-01	.7584-01	.7584-01	.9500	.3081-02	.4201-02	.4074	4.429	572.5
398	420.00	.82400	30.000	.1629-01	.2171-01	.2171-01	.9500	.9024-03	.1203-02	.1274	1.756	563.5
398	437.50	.27500	1.0000	.5543-01	.7319-01	.7319-01	.9500	.3070-02	.4054-02	.4458	4.584	559.5

IH'02 56-0/60-TS FUSELAGE (R4WV11)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R* TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
398	442.00	.30000	2.0000	.5702-01	.7611-01	.7611-01	.9500	.3159-02	.4216-02	.4437	4.659	564.2
398	445.00	.32500	3.0000	.4755-01	.6329-01	.6329-01	.9500	.2634-02	.3506-02	.3732	3.795	563.0
398	445.00	.35000	4.0000	.4474-01	.5902-01	.5902-01	.9500	.2478-02	.3270-02	.3608	3.711	559.1
398	445.00	.37500	5.0000	.3839-01	.5051-01	.5051-01	.9500	.2126-02	.2798-02	.3122	3.258	557.8
398	445.00	.40000	6.0000	.3849-01	.5059-01	.5059-01	.9500	.2132-02	.2802-02	.3141	3.203	557.3
398	445.00	.42500	7.0000	.3465-01	.4557-01	.4557-01	.9500	.1919-02	.2525-02	.2820	2.902	557.7
398	445.00	.45000	8.0000	.3725-01	.4882-01	.4882-01	.9500	.2063-02	.2704-02	.3068	3.117	556.0
398	445.00	.47500	9.0000	.3550-01	.4605-01	.4605-01	.9500	.1967-02	.2551-02	.3026	3.068	550.8
398	445.00	.50000	10.000	.3442-01	.4478-01	.4478-01	.9500	.1907-02	.2481-02	.2905	2.930	552.3
398	445.00	.52500	11.000	.3621-01	.4714-01	.4714-01	.9500	.2006-02	.2611-02	.3048	3.073	552.7
398	445.00	.55000	12.000	.3559-01	.4617-01	.4617-01	.9500	.1971-02	.2558-02	.3030	3.030	551.0
398	445.00	.60000	13.000	.3488-01	.4534-01	.4534-01	.9500	.1932-02	.2512-02	.2951	2.977	551.9
398	445.00	.65000	14.000	.3712-01	.4872-01	.4872-01	.9500	.2056-02	.2699-02	.3042	3.060	556.7
398	445.00	.70000	15.000	.3725-01	.4933-01	.4933-01	.9500	.2064-02	.2733-02	.2971	2.878	560.7
398	445.00	.75000	16.000	.3613-01	.4815-01	.4815-01	.9500	.2002-02	.2668-02	.2826	2.833	563.5
398	445.00	.80000	17.000	.4234-01	.5730-01	.5730-01	.9500	.2345-02	.3174-02	.3164	3.025	569.8

IH102 56-0/60-TS FUSELAGE (R4WV12)

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
402	1.066	4.010	-4.983	-10.99	18.07	725.7	172.1	.1175	1.322	2579.	.1842-02	.1385-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
402	.2562-01	.2239-01

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
402	355.00	.20000	71.000	.3493-01	.4352-01	.4352-01	.9500	.8947-03	.1115-02	.1643	1.880	542.0
402	355.00	.22500	72.000	.1862-01	.2309-01	.2309-01	.9500	.4771-03	.5915-03	.8953-01	1.053	538.0
402	355.00	.25000	73.000	.5001-01	.6195-01	.6195-01	.9500	.1281-02	.1587-02	.2412	2.837	537.4
402	355.00	.27500	74.000	.8300-01	.1033	.1033	.9500	.2126-02	.2646-02	.3927	4.867	541.0
402	355.00	.80000	75.000	.4786-01	.5988-01	.5988-01	.9500	.1226-02	.1534-02	.2216	2.667	544.9
402	355.00	.85000	76.000	.7361-01	.9277-01	.9277-01	.9500	.1886-02	.2377-02	.3313	3.915	550.0
402	355.00	.87500	77.000	.6939-01	.8758-01	.8758-01	.9500	.1778-02	.2244-02	.3106	4.056	551.0
402	355.00	.90000	78.000	.7113-01	.8959-01	.8959-01	.9500	.1822-02	.2295-02	.3209	4.145	549.6
402	355.00	.92500	79.000	.7343-01	.9236-01	.9236-01	.9500	.1881-02	.2366-02	.3329	4.110	548.7
402	355.00	.95000	80.000	.5812-01	.7290-01	.7290-01	.9500	.1489-02	.1868-02	.2665	3.121	546.7
402	372.50	.30000	56.000	.6969-01	.8660-01	.8660-01	.9500	.1785-02	.2218-02	.3317	4.356	539.9
402	372.50	.32500	57.000	.9195-01	.1149	.1149	.9500	.2356-02	.2944-02	.4278	5.606	544.1
402	372.50	.35000	58.000	.9620-01	.1201	.1201	.9500	.2465-02	.3078-02	.4488	5.883	543.6
402	372.50	.37500	59.000	.9020-01	.1128	.1128	.9500	.2311-02	.2889-02	.4190	5.490	544.3
402	372.50	.40000	60.000	.8996-01	.1123	.1123	.9500	.2305-02	.2878-02	.4198	5.503	543.5
402	372.50	.42500	61.000	.8641-01	.1075	.1075	.9500	.2214-02	.2754-02	.4093	5.373	540.8
402	372.50	.45000	62.000	.8267-01	.1029	.1029	.9500	.2118-02	.2637-02	.3906	5.066	541.2
402	372.50	.47500	63.000	.7929-01	.9832-01	.9832-01	.9500	.2031-02	.2519-02	.3809	4.863	538.2
402	372.50	.50000	64.000	.7792-01	.9672-01	.9672-01	.9500	.1996-02	.2478-02	.3726	4.623	539.0
402	372.50	.52500	65.000	.7336-01	.9129-01	.9129-01	.9500	.1879-02	.2339-02	.3472	4.304	540.9
402	372.50	.55000	66.000	.6887-01	.8580-01	.8580-01	.9500	.1764-02	.2198-02	.3244	3.808	541.8

IH102 56-0/60-TS FUSELAGE (R4WV12)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
402	372.50	.60000	67.000	.5980-01	.7482-01	7482-01	.9500	.1532-02	.1917-02	.2770	3.116	544.9
402	372.50	.65000	68.000	.5481-01	.6859-01	6859-01	.9500	.1404-02	.1757-02	.2536	2.972	545.0
402	372.50	.70000	69.000	.4676-01	.5870-01	.5870-01	.9500	.1198-02	.1504-02	.2137	2.377	547.3
402	372.50	.75000	70.000	.5091-01	.6380-01	.6380-01	.9500	.1304-02	.1634-02	.2341	2.605	546.1
402	400.00	.20000	31.000	.6072-01	.7532-01	.7532-01	.9500	.1556-02	.1930-02	.2912	3.098	538.5
402	400.00	.22500	32.000	.4652-01	.5796-01	.5796-01	.9500	.1192-02	.1485-02	.2190	2.454	541.9
402	400.00	.25000	33.000	.2721-01	.3375-01	.3375-01	.9500	.6971-03	.8646-03	.1305	1.465	538.5
402	400.00	.27500	34.000	.1230-01	.1527-01	.1527-01	.9500	.3151-03	.3912-03	.5884-01	.7066	539.0
402	400.00	.30000	35.000	.1705-01	.2120-01	.2120-01	.9500	.4369-03	.5432-03	.8102-01	1.005	540.2
402	400.00	.32500	36.000	.3802-01	.4759-01	.4759-01	.9500	.9741-03	.1219-02	.1759	2.061	545.1
402	400.00	.35000	37.000	.6327-01	.7921-01	.7921-01	.9500	.1621-02	.2029-02	.2922	3.388	545.4
402	400.00	.37500	38.000	.7869-01	.9807-01	.9807-01	.9500	.2016-02	.2512-02	.3703	4.346	542.0
402	400.00	.40000	39.000	.7474-01	.9259-01	.9259-01	.9500	.1915-02	.2372-02	.3604	4.263	537.4
402	400.00	.42500	40.000	.9148-01	.1135	.1135	.9500	.2343-02	.2908-02	.4381	5.206	538.7
402	400.00	.45000	41.000	.8724-01	.1079	.1079	.9500	.2235-02	.2764-02	.4237	4.860	536.1
402	400.00	.47500	42.000	.8395-01	.1039	.1039	.9500	.2151-02	.2661-02	.4069	4.550	536.5
402	400.00	.50000	43.000	.8023-01	.9920-01	.9920-01	.9500	.2055-02	.2541-02	.3901	4.363	535.9
402	400.00	.52500	44.000	.7541-01	.9390-01	.9390-01	.9500	.1932-02	.2406-02	.3559	4.179	541.4
402	400.00	.55000	45.000	.7360-01	.9176-01	.9176-01	.9500	.1885-02	.2351-02	.3456	3.853	542.4
402	400.00	.60000	46.000	.7194-01	.9017-01	.9017-01	.9500	.1843-02	.2310-02	.3307	3.590	546.2
402	400.00	.65000	47.000	.6363-01	.7980-01	.7980-01	.9500	.1630-02	.2044-02	.2918	3.092	546.6
402	400.00	.70000	48.000	.5736-01	.7196-01	.7196-01	.9500	.1469-02	.1844-02	.2628	2.894	546.9
402	400.00	.75000	49.000	.5550-01	.6976-01	.6976-01	.9500	.1422-02	.1787-02	.2525	2.738	548.1
402	400.00	.80000	50.000	.6207-01	.7784-01	.7784-01	.9500	.1590-02	.1994-02	.2848	3.047	546.6
402	400.00	.85000	51.000	.7430-01	.9349-01	.9349-01	.9500	.1904-02	.2395-02	.3365	4.155	548.9
402	400.00	.87500	52.000	.7727-01	.9713-01	.9713-01	.9500	.1980-02	.2488-02	.3513	4.339	548.2
402	400.00	.90000	53.000	.5873-01	.7406-01	.7406-01	.9500	.1505-02	.1897-02	.2637	3.660	550.4
402	400.00	.92500	54.000	.5959-01	.7506-01	.7506-01	.9500	.1527-02	.1923-02	.2688	3.513	549.6
402	400.00	.95000	55.000	.5245-01	.6583-01	.6583-01	.9500	.1344-02	.1687-02	.2398	2.424	547.2
402	420.00	.33700	19.000	.7494-01	.9388-01	.9388-01	.9500	.1920-02	.2405-02	.3454	4.068	545.8
402	420.00	.39000	20.000	.7583-01	.9478-01	.9478-01	.9500	.1943-02	.2428-02	.3525	4.154	544.2
402	420.00	.42600	21.000	.8157-01	.1015	.1015	.9500	.2090-02	.2600-02	.3861	4.535	540.9
402	420.00	.47800	22.000	.8452-01	.1046	.1046	.9500	.2165-02	.2680-02	.4087	4.569	536.9
402	420.00	.53000	23.000	.7851-01	.9698-01	.9698-01	.9500	.2011-02	.2485-02	.3831	4.287	535.2
402	420.00	.56700	24.000	.7172-01	.8921-01	.8921-01	.9500	.1837-02	.2285-02	.3399	3.700	540.6
402	420.00	.62000	25.000	.6503-01	.8147-01	.8147-01	.9500	.1666-02	.2087-02	.2996	3.253	545.9
402	420.00	.67000	26.000	.5984-01	.7502-01	.7502-01	.9500	.1533-02	.1922-02	.2750	2.985	546.3
402	420.00	.70500	27.000	.5935-01	.7446-01	.7446-01	.9500	.1520-02	.1907-02	.2718	2.921	546.9
402	420.00	.75000	28.000	.5914-01	.7434-01	.7434-01	.9500	.1515-02	.1904-02	.2689	2.945	548.2
402	420.00	.80000	29.000	.5474-01	.6893-01	.6893-01	.9500	.1402-02	.1766-02	.2471	2.718	549.5
402	420.00	.82400	30.000	.2157-01	.2695-01	.2695-01	.9500	.5526-03	.6905-03	.1004	1.398	544.0
402	437.50	.27500	1.0000	.7445-01	.9235-01	.9235-01	.9500	.1907-02	.2366-02	.3571	3.710	538.5
402	442.00	.30000	2.0000	.6298-01	.7822-01	.7822-01	.9500	.1613-02	.2004-02	.3006	3.196	539.4

IH102 56-0/60-TS FUSELAGE (R4WV12)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
402	445.00	.35000	4.0000	.6676-01	.8352-01	.8352-0	.9500	.1710-02	.2140-02	.3092	3.203	544.9
402	445.00	.37500	5.0000	.9972-01	.1237	.1237	.9500	.2555-02	.3170-02	.4775	5.031	538.8
402	445.00	.40000	6.0000	.8993-01	.1114	.1114	.9500	.2304-02	.2855-02	.4329	4.459	537.8
402	445.00	.42500	7.0000	.7458-01	.9267-01	.9267-0	.9500	.1911-02	.2374-02	.3552	3.688	539.8
402	445.00	.45000	8.0000	.6780-01	.8382-01	.8382-0	.9500	.1737-02	.2147-02	.3298	3.385	535.8
402	445.00	.47500	9.0000	.5636-01	.6914-01	.6914-0	.9500	.1444-02	.1771-02	.2834	2.905	529.4
402	445.00	.50000	10.000	.5100-01	.6283-01	.6283-0	.9500	.1307-02	.1610-02	.2517	2.563	533.0
402	445.00	.52500	11.000	.5427-01	.6704-01	.6704-0	.9500	.1390-02	.1717-02	.2649	2.694	535.2
402	445.00	.55000	12.000	.5365-01	.6625-01	.6625-0	.9500	.1375-02	.1697-02	.2623	2.645	534.8
402	445.00	.60000	13.000	.4751-01	.5895-01	.5895-0	.9500	.1217-02	.1510-02	.2275	2.310	538.8
402	445.00	.65000	14.000	.4842-01	.6046-01	.6046-0	.9500	.1240-02	.1549-02	.2259	2.288	543.6
402	445.00	.70000	15.000	.4509-01	.5657-01	.5657-0	.9500	.1155-02	.1449-02	.2065	2.014	546.9
402	445.00	.75000	16.000	.4360-01	.5467-01	.5467-0	.9500	.1117-02	.1401-02	.2001	2.023	546.5
402	445.00	.80000	17.000	.2437-01	.3058-01	.3058-0	.9500	.6243-03	.7834-03	.1115	1.079	547.0

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
411	3.583	4.020	-4.984	-11.03	57.69	698.7	165.1	.3699	4.185	2532.	.6048-02	.1328-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
411	.4527-01	.1229-01

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
411	355.00	.20000	71.000	.6010-02	.7892-02	.7892-02	.9500	.2721-03	.3573-03	.3984-01	.4533	552.2
411	355.00	.22500	72.000	.1429-01	.1867-01	.1867-01	.9500	.6468-03	.8451-03	.9630-01	1.126	549.8
411	355.00	.25000	73.000	.9847-01	.1278	.1278	.9500	.4458-02	.5788-02	.6777	7.936	546.7
411	355.00	.27500	74.000	.1291	.1682	.1682	.9500	.5845-02	.7613-02	.8792	10.86	548.3
411	355.00	.80000	75.000	.4268-01	.5501-01	.5501-01	.9500	.1932-02	.2490-02	.3013	3.631	542.8
411	355.00	.85000	76.000	.6200-01	.8095-01	.8095-01	.9500	.2807-02	.3665-02	.4188	4.949	549.5
411	355.00	.87500	77.000	.6115-01	.8030-01	.8030-01	.9500	.2768-02	.3635-02	.4054	5.291	552.2
411	355.00	.90000	78.000	.6788-01	.8899-01	.8899-01	.9500	.3073-02	.4029-02	.4526	5.841	551.4
411	355.00	.92500	79.000	.7979-01	.1045	.1045	.9500	.3612-02	.4730-02	.5341	6.587	550.8
411	355.00	.95000	80.000	.7157-01	.9296-01	.9296-01	.9500	.3240-02	.4209-02	.4920	5.761	546.8
411	372.50	.30000	56.000	.1237	.1620	.1620	.9500	.5598-02	.7336-02	.8257	10.78	551.2
411	372.50	.32500	57.000	.1348	.1777	.1777	.9500	.6101-02	.8043-02	.8824	11.51	554.0
411	372.50	.35000	58.000	.1328	.1747	.1747	.9500	.6013-02	.7908-02	.8767	11.44	552.9
411	372.50	.37500	59.000	.1216	.1599	.1599	.9500	.5507-02	.7238-02	.8046	10.50	552.6
411	372.50	.40000	60.000	.1182	.1556	.1556	.9500	.5351-02	.7046-02	.7770	10.13	553.5
411	372.50	.42500	61.000	.1106	.1452	.1452	.9500	.5009-02	.6572-02	.7357	9.604	551.8
411	372.50	.45000	62.000	.1046	.1372	.1372	.9500	.4738-02	.6210-02	.6979	9.006	551.4
411	372.50	.47500	63.000	.9780-01	.1277	.1277	.9500	.4428-02	.5781-02	.6609	8.391	549.4
411	372.50	.50000	64.000	.9338-01	.1218	.1218	.9500	.4227-02	.5515-02	.6326	7.810	549.0
411	372.50	.52500	65.000	.8605-01	.1122	.1122	.9500	.3895-02	.5081-02	.5833	7.201	548.9
411	372.50	.55000	66.000	.8012-01	.1040	.1040	.9500	.3627-02	.4710-02	.5513	6.455	546.7

IH102 56-0/60-TS FUSELAGE (R4WV12)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
411	372.50	.60000	67.000	.6682-01	.8643-01	.8643-01	.9500	.3025-02	.3913-02	.4657	5.238	544.7
411	372.50	.65000	68.000	.5749-01	.7405-01	.7405-01	.9500	.2602-02	.3352-02	.4065	4.770	542.5
411	372.50	.70000	69.000	.5155-01	.6614-01	.6614-01	.9500	.2334-02	.2995-02	.3695	4.124	540.3
411	372.50	.75000	70.000	.6163-01	.7940-01	.7940-01	.9500	.2790-02	.3595-02	.4356	4.855	542.6
411	400.00	.20000	31.000	.3589-01	.4701-01	.4701-01	.9500	.1625-02	.2128-02	.2401	2.538	550.9
411	400.00	.22500	32.000	.5075-01	.6631-01	.6631-01	.9500	.2297-02	.3002-02	.3419	3.817	549.8
411	400.00	.25000	33.000	.3799-01	.4901-01	.4901-01	.9500	.1720-02	.2219-02	.2674	2.995	543.2
411	400.00	.27500	34.000	.3175-01	.4093-01	.4093-01	.9500	.1437-02	.1853-02	.2240	2.685	542.8
411	400.00	.30000	35.000	.5979-01	.7731-01	.7731-01	.9500	.2707-02	.3500-02	.4170	5.160	544.6
411	400.00	.32500	36.000	.1029	.1344	.1344	.9500	.4658-02	.6084-02	.6943	8.118	549.6
411	400.00	.35000	37.000	.1255	.1647	.1647	.9500	.5683-02	.7456-02	.8347	9.648	551.8
411	400.00	.37500	38.000	.1247	.1633	.1633	.9500	.5645-02	.7391-02	.8348	9.754	550.8
411	400.00	.40000	39.000	.1032	.1335	.1335	.9500	.4671-02	.6046-02	.7178	8.457	545.0
411	400.00	.42500	40.000	.1184	.1546	.1546	.9500	.5360-02	.7001-02	.7985	9.435	549.7
411	400.00	.45000	41.000	.1119	.1454	.1454	.9500	.5065-02	.6584-02	.7671	8.750	547.2
411	400.00	.47500	42.000	.1112	.1445	.1445	.9500	.5036-02	.6540-02	.7650	8.510	546.8
411	400.00	.50000	43.000	.1075	.1394	.1394	.9500	.4869-02	.6310-02	.7446	8.287	545.7
411	400.00	.52500	44.000	.9672-01	.1263	.1263	.9500	.4379-02	.5717-02	.6535	7.642	549.4
411	400.00	.55000	45.000	.9679-01	.1261	.1261	.9500	.4382-02	.5710-02	.6582	7.315	548.5
411	400.00	.60000	46.000	.8832-01	.1148	.1148	.9500	.3998-02	.5199-02	.6048	6.562	547.4
411	400.00	.65000	47.000	.7926-01	.1025	.1025	.9500	.3588-02	.4640-02	.5531	5.867	544.5
411	400.00	.70000	48.000	.7125-01	.9180-01	.9180-01	.9500	.3226-02	.4156-02	.5034	5.556	542.6
411	400.00	.75000	49.000	.6903-01	.8907-01	.8907-01	.9500	.3125-02	.4033-02	.4852	5.274	543.4
411	400.00	.80000	50.000	.6998-01	.9082-01	.9082-01	.9500	.3168-02	.4112-02	.4822	5.159	546.5
411	400.00	.85000	51.000	.8376-01	.1090	.1090	.9500	.3792-02	.4935-02	.5719	7.065	547.9
411	400.00	.87500	52.000	.7638-01	.9945-01	.9945-01	.9500	.3458-02	.4502-02	.5207	6.432	548.1
411	400.00	.90000	53.000	.6542-01	.8608-01	.8608-01	.9500	.2962-02	.3897-02	.4311	5.975	553.1
411	400.00	.92500	54.000	.7397-01	.9783-01	.9783-01	.9500	.3349-02	.4429-02	.4796	6.249	555.4
411	400.00	.95000	55.000	.7323-01	.9564-01	.9564-01	.9500	.3315-02	.4330-02	.4842	4.991	549.6
411	420.00	.28500	18.000	.1107	.1445	.1445	.9500	.5013-02	.6544-02	.7486	8.754	549.3
411	420.00	.33700	19.000	.1293	.1698	.1698	.9500	.5853-02	.7689-02	.8565	10.05	552.3
411	420.00	.39000	20.000	.1204	.1573	.1573	.9500	.5452-02	.7122-02	.8122	9.547	549.7
411	420.00	.42600	21.000	.1119	.1457	.1457	.9500	.5068-02	.6598-02	.7638	8.938	548.0
411	420.00	.47800	22.000	.1107	.1431	.1431	.9500	.5010-02	.6478-02	.7720	8.597	544.6
411	420.00	.53000	23.000	.1010	.1303	.1303	.9500	.4573-02	.5898-02	.7108	7.921	543.2
411	420.00	.56700	24.000	.9063-01	.1170	.1170	.9500	.4103-02	.5298-02	.6354	6.906	543.8
411	420.00	.62000	25.000	.8723-01	.1131	.1131	.9500	.3949-02	.5121-02	.6027	6.543	546.0
411	420.00	.67000	26.000	.7604-01	.9805-01	.9805-01	.9500	.3443-02	.4439-02	.5359	5.827	543.0
411	420.00	.70500	27.000	.7431-01	.9565-01	.9565-01	.9500	.3364-02	.4330-02	.5267	5.674	542.1
411	420.00	.75000	28.000	.7499-01	.9703-01	.9703-01	.9500	.3395-02	.4393-02	.5223	5.730	544.8
411	420.00	.80000	29.000	.6581-01	.8552-01	.8552-01	.9500	.2979-02	.3872-02	.4514	4.971	547.2
411	420.00	.82400	30.000	.3725-01	.4782-01	.4782-01	.9500	.1687-02	.2165-02	.2667	3.720	540.5
411	437.50	.27500	1.0000	.1042	.1334	.1334	.9500	.4715-02	.6040-02	.7510	7.800	539.4

IH102 56-0/60-TS FUSELAGE (R4WV12)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
411	442.00	.30000	2.0000	.9698-01	.1243	.1243	.9500	.4391-02	.5627-02	.6980	7.421	539.7
411	445.00	.32500	3.0000	.9097-01	.1162	.1162	.9500	.4119-02	.5260-02	.6630	6.828	537.7
411	445.00	.35000	4.0000	.9612-01	.1226	.1226	.9500	.4351-02	.5549-02	.7041	7.323	536.9
411	445.00	.37500	5.0000	.8496-01	.1084	.1084	.9500	.3846-02	.4908-02	.6215	6.554	537.1
411	445.00	.40000	6.0000	.9092-01	.1164	.1164	.9500	.4116-02	.5270-02	.6570	6.762	539.1
411	445.00	.42500	7.0000	.8024-01	.1029	.1029	.9500	.3633-02	.4657-02	.5769	5.991	539.9
411	445.00	.45000	8.0000	.8066-01	.1033	.1033	.9500	.3652-02	.4676-02	.5823	5.965	539.2
411	445.00	.47500	9.0000	.7202-01	.9154-01	.9154-01	.9500	.3261-02	.4144-02	.5344	5.461	534.8
411	445.00	.50000	10.000	.6545-01	.8327-01	.8327-01	.9500	.2963-02	.3770-02	.4837	4.919	535.4
411	445.00	.52500	11.000	.6797-01	.8664-01	.8664-01	.9500	.3077-02	.3922-02	.4988	5.070	536.6
411	445.00	.55000	12.000	.6628-01	.8432-01	.8432-01	.9500	.3000-02	.3817-02	.4898	4.936	535.4
411	445.00	.60000	13.000	.5801-01	.7377-01	.7377-01	.9500	.2626-02	.3340-02	.4293	4.367	535.2
411	445.00	.65000	14.000	.5681-01	.7257-01	.7257-01	.9500	.2572-02	.3285-02	.4136	4.202	537.8
411	445.00	.70000	15.000	.5660-01	.7228-01	.7228-01	.9500	.2562-02	.3272-02	.4126	4.045	537.6
411	445.00	.75000	16.000	.5293-01	.6774-01	.6774-01	.9500	.2396-02	.3067-02	.3828	3.886	538.9
411	445.00	.80000	17.000	.3644-01	.4708-01	.4708-01	.9500	.1650-02	.2131-02	.2551	2.471	544.0

IH102 56-0/60-TS FUSELAGE (R4WV13)

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
405	4.072	4.020	-4.959	-5.948	70.97	736.7	174.1	.4551	5.149	2600.	.7057-02	.1401-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
405	.5069-01	.1146-01

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
405	355.00	.27500	74.000	.3507-01	.4525-01	.4525-01	.9500	.1778-02	.2294-02	.2911	3.551	572.9
405	355.00	.80000	75.000	.4202-01	.5294-01	.5294-01	.9500	.2130-02	.2684-02	.3802	4.546	558.2
405	355.00	.85000	76.000	.5594-01	.7124-01	.7124-01	.9500	.2835-02	.3611-02	.4863	5.701	565.2
405	355.00	.87500	77.000	.5050-01	.6448-01	.6448-01	.9500	.2560-02	.3268-02	.4346	5.631	566.9
405	355.00	.90000	78.000	.4885-01	.6227-01	.6227-01	.9500	.2476-02	.3157-02	.4230	5.419	565.8
405	355.00	.92500	79.000	.4925-01	.6278-01	.6278-01	.9500	.2496-02	.3182-02	.4267	5.224	565.7
405	355.00	.95000	80.000	.3911-01	.4954-01	.4954-01	.9500	.1983-02	.2511-02	.3470	4.033	561.6
405	372.50	.30000	56.000	.7215-01	.9229-01	.9229-01	.9500	.3657-02	.4678-02	.6172	7.991	567.9
405	372.50	.32500	57.000	.7872-01	.1013	.1013	.9500	.3990-02	.5132-02	.6605	8.538	571.2
405	372.50	.35000	58.000	.8744-01	.1125	.1125	.9500	.4432-02	.5700-02	.7340	9.490	571.1
405	372.50	.37500	59.000	.9365-01	.1207	.1207	.9500	.4747-02	.6116-02	.7812	10.09	572.1
405	372.50	.40000	60.000	.9904-01	.1280	.1280	.9500	.5020-02	.6489-02	.8167	10.54	574.0
405	372.50	.42500	61.000	.9535-01	.1229	.1229	.9500	.4833-02	.6230-02	.7937	10.25	572.4
405	372.50	.45000	62.000	.9043-01	.1164	.1164	.9500	.4584-02	.5899-02	.7570	9.671	571.5
405	372.50	.47500	63.000	.8591-01	.1101	.1101	.9500	.4354-02	.5582-02	.7293	9.167	569.2
405	372.50	.50000	64.000	.7933-01	.1013	.1013	.9500	.4021-02	.5136-02	.6819	8.343	567.1
405	372.50	.52500	65.000	.7508-01	.9592-01	.9592-01	.9500	.3806-02	.4862-02	.6450	7.891	567.2
405	372.50	.55000	66.000	.7195-01	.9171-01	.9171-01	.9500	.3647-02	.4649-02	.6236	7.233	565.7
405	372.50	.60000	67.000	.5992-01	.7600-01	.7600-01	.9500	.3037-02	.3852-02	.5285	5.891	562.7
405	372.50	.65000	68.000	.5113-01	.6458-01	.6458-01	.9500	.2592-02	.3273-02	.4582	5.330	559.9
405	372.50	.70000	69.000	.4776-01	.6000-01	.6000-01	.9500	.2421-02	.3041-02	.4371	4.839	556.1

IH102 56-0/60-TS FUSELAGE (R4WV13)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
405	372.50	.75000	70.000	.5111-01	.6444-01	.6444-01	.9500	.2591-02	.3266-02	.4614	5.102	558.6
405	400.00	.20000	31.000	.1641	.2149	.2149	.9500	.8318-02	.1089-01	1.295	13.49	581.0
405	400.00	.22500	32.000	.1305	.1682	.1682	.9500	.6613-02	.8526-02	1.086	11.99	572.4
405	400.00	.25000	33.000	.9140-01	.1159	.1159	.9500	.4633-02	.5877-02	.8059	8.938	562.7
405	400.00	.27500	34.000	.8497-01	.1079	.1079	.9500	.4307-02	.5468-02	.7471	8.863	563.2
405	400.00	.30000	35.000	.7932-01	.1011	.1011	.9500	.4020-02	.5127-02	.6862	8.399	566.0
405	400.00	.32500	36.000	.9248-01	.1183	.1183	.9500	.4688-02	.5996-02	.7913	9.168	567.8
405	400.00	.35000	37.000	.9046-01	.1155	.1155	.9500	.4585-02	.5855-02	.7791	8.937	566.8
405	400.00	.37500	38.000	.8035-01	.1023	.1023	.9500	.4073-02	.5187-02	.6983	8.101	565.2
405	400.00	.40000	39.000	.6508-01	.8211-01	.8211-01	.9500	.3299-02	.4167-02	.5859	6.954	559.1
405	400.00	.42500	40.000	.7455-01	.9476-01	.9476-01	.9500	.3779-02	.4803-02	.6527	7.657	564.0
405	400.00	.45000	41.000	.7299-01	.9243-01	.9243-01	.9500	.3700-02	.4685-02	.6480	7.339	561.5
405	400.00	.47500	42.000	.7095-01	.8978-01	.8978-01	.9500	.3596-02	.4551-02	.6316	6.976	561.0
405	400.00	.50000	43.000	.6848-01	.8648-01	.8648-01	.9500	.3471-02	.4383-02	.6143	6.789	559.7
405	400.00	.52500	44.000	.6491-01	.8234-01	.8234-01	.9500	.3290-02	.4173-02	.5726	6.652	562.6
405	400.00	.55000	45.000	.6778-01	.8594-01	.8594-01	.9500	.3435-02	.4356-02	.5988	6.609	562.4
405	400.00	.60000	46.000	.7207-01	.9150-01	.9150-01	.9500	.3653-02	.4638-02	.6339	6.823	563.1
405	400.00	.65000	47.000	.7111-01	.8986-01	.8986-01	.9500	.3604-02	.4555-02	.6362	6.695	560.2
405	400.00	.70000	48.000	.6510-01	.8200-01	.8200-01	.9500	.3300-02	.4156-02	.5897	6.458	558.0
405	400.00	.75000	49.000	.6102-01	.7686-01	.7686-01	.9500	.3093-02	.3896-02	.5528	5.966	557.9
405	400.00	.80000	50.000	.6875-01	.8729-01	.8729-01	.9500	.3485-02	.4424-02	.6042	6.409	563.3
405	400.00	.85000	51.000	.4575-01	.5780-01	.5780-01	.9500	.2319-02	.2930-02	.4097	5.030	560.0
405	400.00	.90000	53.000	.3106-01	.4024-01	.4024-01	.9500	.1574-02	.2040-02	.2541	3.484	575.2
405	400.00	.92500	54.000	.3519-01	.4582-01	.4582-01	.9500	.1784-02	.2323-02	.2832	3.649	577.9
405	400.00	.95000	55.000	.3660-01	.4694-01	.4694-01	.9500	.1855-02	.2379-02	.3104	3.103	569.4
405	420.00	.28500	18.000	.7052-01	.8885-01	.8885-01	.9500	.3575-02	.4504-02	.6382	7.431	558.1
405	420.00	.33700	19.000	.7664-01	.9739-01	.9739-01	.9500	.3885-02	.4937-02	.6714	7.836	563.8
405	420.00	.39000	20.000	.8566-01	.1088	.1088	.9500	.4342-02	.5515-02	.7519	8.777	563.5
405	420.00	.42600	21.000	.7449-01	.9455-01	.9455-01	.9500	.3776-02	.4792-02	.6558	7.616	563.0
405	420.00	.47800	22.000	.6626-01	.8356-01	.8356-01	.9500	.3359-02	.4236-02	.5976	6.608	558.8
405	420.00	.53000	23.000	.6201-01	.7785-01	.7785-01	.9500	.3143-02	.3946-02	.5690	6.301	555.6
405	420.00	.56700	24.000	.5961-01	.7495-01	.7495-01	.9500	.3022-02	.3799-02	.5439	5.873	556.7
405	420.00	.62000	25.000	.5755-01	.7255-01	.7255-01	.9500	.2917-02	.3677-02	.5199	5.609	558.5
405	420.00	.67000	26.000	.5414-01	.6797-01	.6797-01	.9500	.2744-02	.3445-02	.4969	5.369	555.6
405	420.00	.70500	27.000	.5946-01	.7462-01	.7462-01	.9500	.3014-02	.3782-02	.5466	5.849	555.3
405	420.00	.75000	28.000	.6495-01	.8184-01	.8184-01	.9500	.3292-02	.4148-02	.5874	6.400	558.2
405	420.00	.80000	29.000	.7016-01	.8908-01	.8908-01	.9500	.3556-02	.4515-02	.6167	6.736	563.3
405	420.00	.82400	30.000	.3178-01	.4036-01	.4036-01	.9500	.1611-02	.2046-02	.2791	3.848	563.4
405	437.50	.27500	1.0000	.6335-01	.7838-01	.7838-01	.9500	.3211-02	.3973-02	.6166	6.387	544.6
405	442.00	.30000	2.0000	.5301-01	.6559-01	.6559-01	.9500	.2687-02	.3325-02	.5162	5.475	544.6
405	445.00	.32500	3.0000	.5565-01	.6893-01	.6893-01	.9500	.2821-02	.3494-02	.5397	5.537	545.4
405	445.00	.35000	4.0000	.7648-01	.9496-01	.9496-01	.9500	.3876-02	.4813-02	.7336	7.589	547.4
405	445.00	.37500	5.0000	.6825-01	.8504-01	.8504-01	.9500	.3460-02	.4310-02	.6455	6.763	550.1

IH102 56-0/60-TS FUSELAGE (R4WV13)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
405	445.00	.40000	6.0000	.6843-01	.8573-01	.8573-01	.9500	.3468-02	.4346-02	.6329	6.465	554.2
405	445.00	.42500	7.0000	.6026-01	.7567-01	.7567-01	.9500	.3054-02	.3835-02	.5525	5.691	555.8
405	445.00	.45000	8.0000	.5790-01	.7269-01	.7269-01	.9500	.2935-02	.3684-02	.5313	5.398	555.6
405	445.00	.47500	9.0000	.5690-01	.7099-01	.7099-01	.9500	.2884-02	.3598-02	.5352	5.425	551.1
405	445.00	.50000	10.000	.5189-01	.6475-01	.6475-01	.9500	.2630-02	.3282-02	.4876	4.920	551.3
405	445.00	.52500	11.000	.4897-01	.6118-01	.6118-01	.9500	.2482-02	.3101-02	.4583	4.623	552.0
405	445.00	.55000	12.000	.4392-01	.5473-01	.5473-01	.9500	.2226-02	.2774-02	.4152	4.153	550.2
405	445.00	.60000	13.000	.3367-01	.4197-01	.4197-01	.9500	.1707-02	.2127-02	.3181	3.211	550.3
405	445.00	.65000	14.000	.3336-01	.4172-01	.4172-01	.9500	.1691-02	.2115-02	.3111	3.137	552.7
405	445.00	.70000	15.000	.3637-01	.4536-01	.4536-01	.9500	.1844-02	.2299-02	.3428	3.338	550.7
405	445.00	.75000	16.000	.3181-01	.3968-01	.3968-01	.9500	.1612-02	.2012-02	.2993	3.020	551.1
405	445.00	.80000	17.000	.6009-01	.7588-01	.7588-01	.9500	.3046-02	.3846-02	.5392	5.182	559.7

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 4.010 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0010 SPDBRK = .0000

TEST CONDIT ONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
400	1.072	4.010	-4.946	.1035-01	18.03	721.7	171.2	.1172	1.319	2572.	.1847-02	.1377-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
400	.2556-01	.2234-01

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
400	355.00	.80000	75.000	.2706-01	.3370-01	.3370-01	.9500	.6916-03	.8613-03	.1267	1.530	538.5
400	355.00	.85000	76.000	.5774-01	.7226-01	.7226-01	.9500	.1476-02	.1847-02	.2650	3.143	542.1
400	355.00	.87500	77.000	.4986-01	.6255-01	.6255-01	.9500	.1274-02	.1599-02	.2267	2.971	543.8
400	355.00	.90000	78.000	.4404-01	.5508-01	.5508-01	.9500	.1126-02	.1408-02	.2027	2.629	541.6
400	355.00	.92500	79.000	.4346-01	.5424-01	.5424-01	.9500	.1111-02	.1386-02	.2017	2.502	540.1
400	355.00	.95000	80.000	.2199-01	.2734-01	.2734-01	.9500	.5620-03	.6987-03	.1037	1.220	537.2
400	372.50	.30000	56.000	.1970-01	.2445-01	.2445-01	.9500	.5035-03	.6248-03	.9354-01	1.231	535.9
400	372.50	.32500	57.000	.4104-01	.5112-01	.5112-01	.9500	.1049-02	.1307-02	.1920	2.523	538.6
400	372.50	.35000	58.000	.4882-01	.6078-01	.6078-01	.9500	.1248-02	.1553-02	.2290	3.009	538.2
400	372.50	.37500	59.000	.4811-01	.5996-01	.5996-01	.9500	.1230-02	.1532-02	.2246	2.951	539.0
400	372.50	.40000	60.000	.4951-01	.6160-01	.6160-01	.9500	.1265-02	.1574-02	.2326	3.058	537.8
400	372.50	.42500	61.000	.4649-01	.5764-01	.5764-01	.9500	.1188-02	.1473-02	.2218	2.920	535.0
400	372.50	.45000	62.000	.4165-01	.5164-01	.5164-01	.9500	.1065-02	.1320-02	.1987	2.585	535.1
400	372.50	.47500	63.000	.3860-01	.4769-01	.4769-01	.9500	.9866-03	.1219-02	.1869	2.393	532.3
400	372.50	.50000	64.000	.3740-01	.4625-01	.4625-01	.9500	.9559-03	.1182-02	.1803	2.244	533.0
400	372.50	.52500	65.000	.3056-01	.3790-01	.3790-01	.9500	.7811-03	.9688-03	.1455	1.808	535.4
400	372.50	.55000	66.000	.3047-01	.3784-01	.3784-01	.9500	.7788-03	.9670-03	.1443	1.699	536.3
400	372.50	.60000	67.000	.3117-01	.3893-01	.3893-01	.9500	.7968-03	.9950-03	.1443	1.627	540.5
400	372.50	.65000	68.000	.2993-01	.3744-01	.3744-01	.9500	.7650-03	.9569-03	.1376	1.616	541.8
400	372.50	.70000	69.000	.3321-01	.4167-01	.4167-01	.9500	.8488-03	.1065-02	.1509	1.681	543.9
400	372.50	.75000	70.000	.4237-01	.5301-01	.5301-01	.9500	.1083-02	.1355-02	.1947	2.171	541.9

IH102 56-0/60-TS FUSELAGE (R4WV14)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
400	400.00	.20000	31.000	.4660-01	.5720-01	.5720-01	.9500	.1191-02	.1462-02	.2319	2.481	527.0
400	400.00	.22500	32.000	.5464-01	.6760-01	.6760-01	.9500	.1397-02	.1728-02	.2630	2.960	533.4
400	400.00	.25000	33.000	.5014-01	.6202-01	.6202-01	.9500	.1282-02	.1585-02	.2414	2.717	533.3
400	400.00	.27500	34.000	.4920-01	.6108-01	.6108-01	.9500	.1257-02	.1561-02	.2333	2.805	536.2
400	400.00	.30000	35.000	.4855-01	.6039-01	.6039-01	.9500	.1241-02	.1544-02	.2284	2.836	537.6
400	400.00	.32500	36.000	.5258-01	.6583-01	.6583-01	.9500	.1344-02	.1683-02	.2409	2.828	542.4
400	400.00	.35000	37.000	.5274-01	.6599-01	.6599-01	.9500	.1348-02	.1687-02	.2422	2.814	542.0
400	400.00	.37500	38.000	.5413-01	.6742-01	.6742-01	.9500	.1384-02	.1723-02	.2533	2.979	538.6
400	400.00	.40000	39.000	.4759-01	.5886-01	.5886-01	.9500	.1216-02	.1504-02	.2292	2.717	533.2
400	400.00	.42500	40.000	.5259-01	.6513-01	.6513-01	.9500	.1344-02	.1665-02	.2517	2.998	534.4
400	400.00	.45000	41.000	.5842-01	.7208-01	.7208-01	.9500	.1493-02	.1842-02	.2841	3.267	531.4
400	400.00	.47500	42.000	.6028-01	.7439-01	.7439-01	.9500	.1541-02	.1901-02	.2932	3.287	531.4
400	400.00	.50000	43.000	.5654-01	.6969-01	.6969-01	.9500	.1445-02	.1781-02	.2763	3.099	530.5
400	400.00	.52500	44.000	.5025-01	.6235-01	.6235-01	.9500	.1284-02	.1594-02	.2389	2.813	535.7
400	400.00	.55000	45.000	.5001-01	.6210-01	.6210-01	.9500	.1278-02	.1587-02	.2369	2.649	536.3
400	400.00	.60000	46.000	.4731-01	.5913-01	.5913-01	.9500	.1209-02	.1511-02	.2183	2.376	541.1
400	400.00	.65000	47.000	.4966-01	.6216-01	.6216-01	.9500	.1269-02	.1589-02	.2277	2.417	542.3
400	400.00	.70000	48.000	.4801-01	.6020-01	.6020-01	.9500	.1227-02	.1539 02	.2187	2.413	543.5
400	400.00	.75000	49.000	.4918-01	.6172-01	.6172-01	.9500	.1257-02	.1577-02	.2233	2.426	544.1
400	400.00	.80000	50.000	.5149-01	.6437-01	.6437-01	.9500	.1316-02	.1645-02	.2374	2.546	541.3
400	400.00	.85000	51.000	.5322-01	.6668-01	.6668-01	.9500	.1360-02	.1704-02	.2432	3.011	542.9
400	400.00	.87500	52.000	.4609-01	.5751-01	.5751-01	.9500	.1178-02	.1470-02	.2141	2.655	539.9
400	400.00	.90000	53.000	.4021-01	.5024-01	.5024-01	.9500	.1028-02	.1284-02	.1857	2.589	541.0
400	400.00	.92500	54.000	.4171-01	.5205-01	.5205-01	.9500	.1066-02	.1330-02	.1937	2.544	540.0
400	400.00	.95000	55.000	.3100-01	.3856-01	.3856-01	.9500	.7924-03	.9856-03	.1459	1.482	537.6
400	420.00	.28500	18.000	.4334-01	.5386-01	.5386-01	.9500	.1108-02	.1377-02	.2046	2.408	537.0
400	420.00	.33700	19.000	.5453-01	.6817-01	.6817-01	.9500	.1394-02	.1742-02	.2515	2.969	541.2
400	420.00	.39000	20.000	.6329-01	.7880-01	.7880-01	.9500	.1618-02	.2014-02	.2967	3.508	538.2
400	420.00	.42800	21.000	.4957-01	.6137-01	.6137-01	.9500	.1267-02	.1569-02	.2376	2.801	534.1
400	420.00	.47800	22.000	.4717-01	.5810-01	.5810-01	.9500	.1206-02	.1485-02	.2314	2.596	529.7
400	420.00	.53000	23.000	.5258-01	.6468-01	.6468-01	.9500	.1344-02	.1653-02	.2592	2.910	528.8
400	420.00	.56700	24.000	.4973-01	.6157-01	.6157-01	.9500	.1271-02	.1574-02	.2385	2.605	534.1
400	420.00	.62000	25.000	.4976-01	.6209-01	.6209-01	.9500	.1272-02	.1587-02	.2311	2.517	539.9
400	420.00	.67000	26.000	.4788-01	.5987-01	.5987-01	.9500	.1224-02	.1530-02	.2205	2.399	541.5
400	420.00	.70500	27.000	.5265-01	.6595-01	.6595-01	.9500	.1346-02	.1686-02	.2407	2.592	542.8
400	420.00	.75000	28.000	.5628-01	.7067-01	.7067-01	.9500	.1438-02	.1806-02	.2549	2.797	544.5
400	420.00	.80000	29.000	.5651-01	.7101-01	.7101-01	.9500	.1444-02	.1815-02	.2552	2.813	545.0
400	420.00	.82400	30.000	.2655-01	.3310-01	.3310-01	.9500	.6786-03	.8461-03	.1237	1.726	539.4
400	437.50	.27500	1.0000	.4772-01	.5899-01	.5899-01	.9500	.1220-02	.1508-02	.2303	2.400	532.8
400	442.00	.30000	2.0000	.3398-01	.4213-01	.4213-01	.9500	.8685-03	.1077-02	.1620	1.726	535.1
400	445.00	.32500	3.0000	.2783-01	.3451-01	.3451-01	.9500	.7113-03	.8822-03	.1325	1.366	535.4
400	445.00	.37500	5.0000	.1906-01	.2351-01	.2351-01	.9500	.4872-03	.6010-03	.9288-01	.9825	531.0
400	445.00	.40000	6.0000	.1829-01	.2252-01	.2252-01	.9500	.4676-03	.5756-03	.8990-01	.9299	529.4

IH102 56-0/60-TS FUSELAGE (R4WV14)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
400	445.00	.50000	10.000	.2200-01	.2693-01	.2693-01	.9500	.5624-03	.6883-03	.1109	1.135	524.4
400	445.00	.52500	11.000	.3415-01	.4191-01	.4191-01	.9500	.8728-03	.1071-02	.1700	1.736	526.9
400	445.00	.55000	12.000	.4058-01	.4979-01	.4979-01	.9500	.1037-02	.1272-02	.2023	2.048	526.6
400	445.00	.60000	13.000	.4007-01	.4948-01	.4948-01	.9500	.1024-02	.1265-02	.1943	1.980	531.9
400	445.00	.65000	14.000	.4106-01	.5107-01	.5107-01	.9500	.1049-02	.1305-02	.1932	1.962	537.6
400	445.00	.70000	15.000	.4291-01	.5368-01	.5368-01	.9500	.1097-02	.1372-02	.1972	1.929	541.8
400	445.00	.75000	16.000	.4663-01	.5831-01	.5831-01	.9500	.1192-02	.1490-02	.2146	2.176	541.6

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
404	4.047	4.020	-4.942	-.1723-02	70.97	739.7	174.8	.4551	5.149	2605.	.7029-02	.1406-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
404	.5072-01	.1149-01

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
404	355.00	.22500	72.000	.3519-02	.4515-02	.4515-02	.9500	.1785-03	.2290-03	.2990-01	.3457	572.1
404	355.00	.25000	73.000	.1195-01	.1530-01	.1530-01	.9500	.6059-03	.7762-03	.1022	1.182	571.0
404	355.00	.27500	74.000	.2647-01	.3421-01	.3421-01	.9500	.1343-02	.1735-02	.2195	2.673	576.2
404	355.00	.80000	75.000	.3494-01	.4484-01	.4484-01	.9500	.1772-02	.2274-02	.2970	3.526	572.1
404	355.00	.85000	76.000	.5709-01	.7433-01	.7433-01	.9500	.2896-02	.3770-02	.4619	5.375	580.2
404	355.00	.87500	77.000	.4515-01	.5902-01	.5902-01	.9500	.2290-02	.2994-02	.3605	4.635	582.3
404	355.00	.90000	78.000	.3317-01	.4311-01	.4311-01	.9500	.1682-02	.2187-02	.2698	3.433	579.3
404	355.00	.92500	79.000	.2610-01	.3373-01	.3373-01	.9500	.1324-02	.1711-02	.2162	2.633	576.3
404	355.00	.95000	80.000	.1628-01	.2083-01	.2083-01	.9500	.8256-03	.1056-02	.1397	1.617	570.4
404	372.50	.30000	56.000	.4918-01	.6449-01	.6449-01	.9500	.2494-02	.3271-02	.3884	4.990	584.0
404	372.50	.32500	57.000	.5422-01	.7149-01	.7149-01	.9500	.2750-02	.3626-02	.4210	5.400	586.6
404	372.50	.35000	58.000	.4876-01	.6395-01	.6395-01	.9500	.2473-02	.3244-02	.3850	4.946	584.0
404	372.50	.37500	59.000	.4552-01	.5961-01	.5961-01	.9500	.2309-02	.3024-02	.3611	4.641	583.2
404	372.50	.40000	60.000	.4326-01	.5662-01	.5662-01	.9500	.2195-02	.2872-02	.3440	4.421	582.9
404	372.50	.42500	61.000	.4369-01	.5701-01	.5701-01	.9500	.2216-02	.2892-02	.3510	4.515	581.3
404	372.50	.45000	62.000	.4431-01	.5780-01	.5780-01	.9500	.2248-02	.2932-02	.3562	4.529	581.2
404	372.50	.47500	63.000	.4424-01	.5753-01	.5753-01	.9500	.2244-02	.2918-02	.3591	4.491	579.6
404	372.50	.50000	64.000	.4607-01	.5978-01	.5978-01	.9500	.2337-02	.3032-02	.3769	4.585	578.4
404	372.50	.52500	65.000	.4481-01	.5815-01	.5815-01	.9500	.2273-02	.2949-02	.3667	4.461	578.4
404	372.50	.55000	66.000	.4493-01	.5808-01	.5808-01	.9500	.2279-02	.2946-02	.3723	4.295	576.3
404	372.50	.60000	67.000	.4518-01	.5817-01	.5817-01	.9500	.2292-02	.2951-02	.3797	4.208	574.0

IH102 56-0/60-TS FUSELAGE (R4WV14)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
404	372.50	.65000	68.000	.4124-01	.5300-01	.5300-0	.9500	.2092-02	.2689-02	.3485	4.027	573.1
404	372.50	.70000	69.000	.4085-01	.5238-01	.5238-0	.9500	.2072-02	.2657-02	.3481	3.824	571.7
404	372.50	.75000	70.000	.4749-01	.6111-01	.6111-0	.9500	.2409-02	.3100-02	.3996	4.385	573.8
404	400.00	.20000	31.000	.8040-01	.1055	.1055	.9500	.4078-02	.5354-02	.6331	6.582	584.4
404	400.00	.22500	32.000	.8439-01	.1115	.1115	.9500	.4280-02	.5654-02	.6517	7.139	587.4
404	400.00	.25000	33.000	.4702-01	.6098-01	.6098-0	.9500	.2385-02	.3093-02	.3853	4.241	578.1
404	400.00	.27500	34.000	.2969-01	.3846-01	.3846-0	.9500	.1506-02	.1951-02	.2440	2.874	577.6
404	400.00	.30000	35.000	.2782-01	.3610-01	.3610-0	.9500	.1411-02	.1831-02	.2277	2.770	578.3
404	400.00	.32500	36.000	.3275-01	.4272-01	.4272-0	.9500	.1661-02	.2167-02	.2633	3.031	581.2
404	400.00	.35000	37.000	.3984-01	.5204-01	.5204-0	.9500	.2021-02	.2640-02	.3187	3.629	581.9
404	400.00	.37500	38.000	.4909-01	.6408-01	6408-0	.9500	.2490-02	.3250-02	.3939	4.532	581.5
404	400.00	.40000	39.000	.4406-01	.5688-01	.5688-0	.9500	.2235-02	.2885-02	.3666	4.254	575.6
404	400.00	.42500	40.000	.4339-01	.5633-01	.5633-01	.9500	.2201-02	.2858-02	.3541	4.124	578.8
404	400.00	.45000	41.000	.4265-01	.5522-01	.5522-01	.9500	.2163-02	.2801-02	.3514	3.949	577.2
404	400.00	.47500	42.000	.4406-01	.5709-01	.5709-01	.9500	.2235-02	.2896-02	.3624	3.970	577.5
404	400.00	.50000	43.000	.4172-01	.5391-01	.5391-01	.9500	.2116-02	.2734-02	.3462	3.795	576.1
404	400.00	.52500	44.000	.4026-01	.5221-01	.5221-01	.9500	.2042-02	.2649-02	.3298	3.801	578.2
404	400.00	.55000	45.000	.4247-01	.5497-01	.5497-01	.9500	.2154-02	.2788-02	.3503	3.838	577.1
404	400.00	.60000	46.000	.4447-01	.5743-01	.5743-01	.9500	.2256-02	.2913-02	.3697	3.954	575.8
404	400.00	.65000	47.000	.4259-01	.5474-01	.5474-01	.9500	.2160-02	.2777-02	.3598	3.762	573.1
404	400.00	.70000	48.000	.3953-01	.5077-01	.5077-01	.9500	.2005-02	.2575-02	.3350	3.642	572.6
404	400.00	.75000	49.000	.3967-01	.5107-01	.5107-01	.9500	.2012-02	.2590-02	.3336	3.572	573.9
404	400.00	.80000	50.000	.3983-01	.5139-01	.5139-01	.9500	.2020-02	.2607-02	.3321	3.502	575.3
404	400.00	.85000	51.000	.2067-01	.2655-01	.2655-01	.9500	.1049-02	.1347-02	.1752	2.138	572.6
404	400.00	.87500	52.000	.2725-01	.3504-01	.3504-01	.9500	.1382-02	.1777-02	.2300	2.805	573.3
404	400.00	.90000	53.000	.2600-01	.3365-01	.3365-01	.9500	.1319-02	.1707-02	.2145	2.938	577.0
404	400.00	.92500	54.000	.2621-01	.3397-01	.3397-01	.9500	.1330-02	.1723-02	.2154	2.776	577.7
404	400.00	.95000	55.000	.2405-01	.3080-01	.3080-01	.9500	.1220-02	.1562-02	.2060	2.058	570.8
404	420.00	.28500	18.000	.2307-01	.2975-01	.2975-01	.9500	.1170-02	.1509-02	.1928	2.226	574.9
404	420.00	.33700	19.000	.3399-01	.4416-01	.4416-01	.9500	.1724-02	.2240-02	.2767	3.205	579.2
404	420.00	.39000	20.000	.4271-01	.5551-01	.5551-01	.9500	.2166-02	.2816-02	.3474	4.023	579.3
404	420.00	.42600	21.000	.5490-01	.7155-01	.7155-01	.9500	.2785-02	.3629-02	.4425	5.094	580.7
404	420.00	.47800	22.000	.4664-01	.6029-01	.6029-01	.9500	.2366-02	.3058-02	.3864	4.235	576.3
404	420.00	.53000	23.000	.4094-01	.5261-01	.5261-01	.9500	.2077-02	.2669-02	.3461	3.800	573.0
404	420.00	.56700	24.000	.3990-01	.5128-01	.5128-01	.9500	.2024-02	.2601-02	.3373	3.613	573.0
404	420.00	.62000	25.000	.3975-01	.5109-01	.5109-01	.9500	.2016-02	.2592-02	.3359	3.598	573.1
404	420.00	.67000	26.000	.3544-01	.4543-01	.4543-01	.9500	.1797-02	.2305-02	.3021	3.238	571.6
404	420.00	.70500	27.000	.3685-01	.4732-01	.4732-01	.9500	.1869-02	.2400-02	.3124	3.314	572.5
404	420.00	.75000	28.000	.3710-01	.4787-01	.4787-01	.9500	.1882-02	.2428-02	.3094	3.343	575.2
404	420.00	.80000	29.000	.3117-01	.4025-01	.4025-01	.9500	.1581-02	.2042-02	.2589	2.811	575.9
404	420.00	.82400	30.000	.1870-01	.2379-01	.2379-01	.9500	.9485-03	.1207-02	.1638	2.255	567.0
404	437.50	.27500	1.0000	.2077-01	.2646-01	.2646-01	.9500	.1054-02	.1342-02	.1811	1.854	567.8
404	442.00	.30000	2.0000	.1205-01	.1535-01	.1535-01	.9500	.6111-03	.7784-03	.1051	1.102	567.6

IH102 56-0/60-TS FUSELAGE (R4WV14)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
404	445.00	.37500	5.0000	.1445-01	.1834-01	.1834-0	.9500	.7332-03	.9301-03	.1281	1.332	564.9
404	445.00	.40000	6.0000	.3057-01	.3897-01	.3897-0	.9500	.1551-02	.1977-02	.2660	2.698	568.1
404	445.00	.42500	7.0000	.3382-01	.4324-01	.4324-0	.9500	.1715-02	.2193-02	.2912	2.978	569.9
404	445.00	.45000	8.0000	.3760-01	.4804-01	.4804-0	.9500	.1907-02	.2437-02	.3247	3.276	569.5
404	445.00	.47500	9.0000	.4284-01	.5447-01	.5447-0	.9500	.2173-02	.2763-02	.3763	3.785	566.5
404	445.00	.50000	10.000	.3768-01	.4797-01	.4797-0	.9500	.1911-02	.2433-02	.3294	3.297	567.3
404	445.00	.52500	11.000	.3571-01	.4550-01	.4550-0	.9500	.1811-02	.2308-02	.3113	3.115	567.8
404	445.00	.55000	12.000	.3410-01	.4334-01	.4334-0	.9500	.1730-02	.2199-02	.3000	2.977	566.2
404	445.00	.60000	13.000	.3609-01	.4584-01	.4584-0	.9500	.1830-02	.2325-02	.3183	3.188	565.8
404	445.00	.65000	14.000	.3892-01	.4964-01	.4964-0	.9500	.1974-02	.2518-02	.3383	3.385	568.3
404	445.00	.70000	15.000	.3731-01	.4763-01	.4763-0	.9500	.1892-02	.2416-02	.3231	3.118	568.9
404	445.00	.75000	16.000	.3431-01	.4388-01	.4388-0	.9500	.1740-02	.2226-02	.2951	2.949	570.1
404	445.00	.80000	17.000	.3237-01	.4153-01	.4153-0	.9500	.1642-02	.2106-02	.2752	2.628	572.0

IH102 56-0/60-TS FUSELAGE (R4WV15)

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
401	1.068	4.010	.1650-06	-10.94	18.04	723.7	171.6	.1172	1.320	2575.	.1843-02	.1381-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
401	.2558-01	.2237-01

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
401	355.00	.22500	72.000	.6915-01	.8904-01	.8904-01	.9500	.1769-02	.2278-02	.2864	3.328	561.7
401	355.00	.25000	73.000	.9400-01	.1209	.1209	.9500	.2405-02	.3092-02	.3912	4.548	561.0
401	355.00	.27500	74.000	.5781-01	.7394-01	.7394-01	.9500	.1479-02	.1891-02	.2454	3.016	557.7
401	355.00	.92500	79.000	.3012-01	.3965-01	.3965-01	.9500	.7704-03	.1014-02	.1160	1.415	573.1
401	355.00	.95000	80.000	.1759-01	.2286-01	.2286-01	.9500	.4499-03	.5847-03	.7059-01	.8183	566.8
401	372.50	.30000	56.000	.7257-01	.9336-01	.9336-01	.9500	.1856-02	.2388-02	.3015	3.917	561.2
401	372.50	.32500	57.000	.5841-01	.7529-01	.7529-01	.9500	.1494-02	.1926-02	.2411	3.131	562.3
401	372.50	.35000	58.000	.5020-01	.6449-01	.6449-01	.9500	.1284-02	.1650-02	.2097	2.726	560.4
401	372.50	.37500	59.000	.4506-01	.5797-01	.5797-01	.9500	.1153-02	.1483-02	.1872	2.432	561.3
401	372.50	.40000	60.000	.3931-01	.5055-01	.5055-01	.9500	.1006-02	.1293-02	.1637	2.127	560.9
401	372.50	.42500	61.000	.3763-01	.4825-01	.4825-01	.9500	.9625-03	.1234-02	.1581	2.056	559.4
401	372.50	.45000	62.000	.3234-01	.4159-01	.4159-01	.9500	.8272-03	.1064-02	.1346	1.728	561.0
401	372.50	.47500	63.000	.2972-01	.3806-01	.3806-01	.9500	.7603-03	.9736-03	.1256	1.587	558.5
401	372.50	.50000	64.000	.2435-01	.3121-01	.3121-01	.9500	.6229-03	.7982-03	.1026	1.261	558.9
401	372.50	.52500	65.000	.1982-01	.2543-01	.2543-01	.9500	.5070-03	.6506-03	.8313-01	1.021	559.7
401	372.50	.55000	66.000	.1541-01	.1976-01	.1976-01	.9500	.3942-03	.5054-03	.6482-01	.7543	559.2
401	400.00	.20000	31.000	.3938-01	.5053-01	.5053-01	.9500	.1007-02	.1293-02	.1651	1.738	559.7
401	400.00	.22500	32.000	.4430-01	.5683-01	.5683-01	.9500	.1133-02	.1454-02	.1859	2.064	559.6
401	400.00	.25000	33.000	.2543-01	.3231-01	.3231-01	.9500	.6505-03	.8265-03	.1106	1.232	553.7
401	400.00	.27500	34.000	.2908-01	.3703-01	.3703-01	.9500	.7440-03	.9472-03	.1254	1.494	555.1
401	400.00	.30000	35.000	.5197-01	.6654-01	.6654-01	.9500	.1329-02	.1702-02	.2197	2.699	558.4

IH102 56-0/60-TS FUSELAGE (R4WV15)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
401	400.00	.32500	36.000	.7002-01	.9069-01	.9069-01	.9500	.1791-02	.2320-02	.2843	3.299	564.9
401	400.00	.35000	37.000	.7626-01	.9878-01	.9878-01	.9500	.1951-02	.2527-02	.3095	3.554	565.0
401	400.00	.37500	38.000	.7378-01	.9507-01	.9507-01	.9500	.1887-02	.2432-02	.3050	3.544	562.1
401	400.00	.40000	39.000	.6056-01	.7741-01	.7741-01	.9500	.1549-02	.1980-02	.2575	3.015	557.4
401	400.00	.42500	40.000	.6127-01	.7869-01	.7869-01	.9500	.1567-02	.2013-02	.2562	3.011	560.2
401	400.00	.45000	41.000	.5937-01	.7601-01	.7601-01	.9500	.1519-02	.1944-02	.2509	2.845	558.5
401	400.00	.47500	42.000	.5802-01	.7443-01	.7443-01	.9500	.1484-02	.1904-02	.2436	2.692	559.5
401	400.00	.50000	43.000	.5480-01	.7018-01	.7018-01	.9500	.1402-02	.1795-02	.2315	2.560	558.5
401	400.00	.52500	44.000	.5068-01	.6545-01	.6545-01	.9500	.1297-02	.1674-02	.2079	2.414	563.3
401	400.00	.55000	45.000	.4983-01	.6424-01	.6424-01	.9500	.1275-02	.1643-02	.2056	2.269	562.4
401	400.00	.60000	46.000	.5038-01	.6515-01	.6515-01	.9500	.1288-02	.1667-02	.2056	2.212	564.1
401	400.00	.65000	47.000	.4979-01	.6439-01	.6439-01	.9500	.1274-02	.1647-02	.2033	2.135	564.1
401	400.00	.70000	48.000	.3798-01	.4972-01	.4972-01	.9500	.9715-03	.1272-02	.1489	1.620	570.4
401	400.00	.75000	49.000	.4550-01	.5992-01	.5992-01	.9500	.1164-02	.1533-02	.1750	1.874	573.3
401	400.00	.80000	50.000	.5091-01	.6686-01	.6686-01	.9500	.1302-02	.1710-02	.1975	2.086	572.0
401	400.00	.85000	51.000	.1594-01	.2109-01	.2109-01	.9500	.4078-03	.5396-03	.6042-01	.7361	575.5
401	400.00	.87500	52.000	.1757-01	.2324-01	.2324-01	.9500	.4494-03	.5945-03	.6664-01	.8119	575.4
401	400.00	.90000	53.000	.1048-01	.1387-01	.1387-01	.9500	.2681-03	.3547-03	.3971-01	.5443	575.5
401	420.00	.28500	18.000	.1456-01	.1851-01	.1851-01	.9500	.3724-03	.4736-03	.6308-01	.7359	554.3
401	420.00	.33700	19.000	.3907-01	.5009-01	.5009-01	.9500	.9993-03	.1281-02	.1644	1.923	559.2
401	420.00	.39000	20.000	.6390-01	.8222-01	.8222-01	.9500	.1635-02	.2103-02	.2654	3.101	561.3
401	420.00	.42600	21.000	.6367-01	.8186-01	.8186-01	.9500	.1629-02	.2094-02	.2652	3.084	560.8
401	420.00	.47800	22.000	.5858-01	.7503-01	.7503-01	.9500	.1499-02	.1919-02	.2474	2.735	558.6
401	420.00	.53000	23.000	.5058-01	.6454-01	.6454-01	.9500	.1294-02	.1651-02	.2165	2.397	556.3
401	420.00	.56700	24.000	.4638-01	.5943-01	.5943-01	.9500	.1186-02	.1520-02	.1955	2.109	558.9
401	420.00	.62000	25.000	.4441-01	.5734-01	.5734-01	.9500	.1136-02	.1467-02	.1823	1.963	563.2
401	420.00	.67000	26.000	.3802-01	.4956-01	.4956-01	.9500	.9725-03	.1268-02	.1511	1.622	568.3
401	420.00	.70500	27.000	.3975-01	.5209-01	.5209-01	.9500	.1017-02	.1332-02	.1552	1.648	571.0
401	420.00	.75000	28.000	.4452-01	.5883-01	.5883-01	.9500	.1139-02	.1505-02	.1694	1.831	574.9
401	420.00	.80000	29.000	.4111-01	.5411-01	.5411-01	.9500	.1052-02	.1384-02	.1583	1.721	573.1
401	437.50	.27500	1.0000	.1493-01	.1898-01	.1898-01	.9500	.3820-03	.4854-03	.6487-01	.6689	553.8
401	445.00	.40000	6.0000	.2447-01	.3088-01	.3088-01	.9500	.6260-03	.7900-03	.1091	1.117	549.4
401	445.00	.42500	7.0000	.3357-01	.4272-01	.4272-01	.9500	.8587-03	.1093-02	.1451	1.495	554.7
401	445.00	.45000	8.0000	.4308-01	.5483-01	.5483-01	.9500	.1102-02	.1403-02	.1861	1.892	554.8
401	445.00	.47500	9.0000	.3880-01	.4895-01	.4895-01	.9500	.9924-03	.1252-02	.1731	1.756	549.2
401	445.00	.50000	10.000	.3470-01	.4398-01	.4398-01	.9500	.8876-03	.1125-02	.1522	1.535	552.2
401	445.00	.52500	11.000	.3411-01	.4331-01	.4331-01	.9500	.8725-03	.1108-02	.1486	1.498	553.4
401	445.00	.55000	12.000	.3394-01	.4296-01	.4296-01	.9500	.8682-03	.1099-02	.1497	1.497	551.3
401	445.00	.60000	13.000	.2708-01	.3429-01	.3429-01	.9500	.6926-03	.8771-03	.1192	1.202	551.6
401	445.00	.65000	14.000	.2393-01	.3053-01	.3053-01	.9500	.6123-03	.7811-03	.1025	1.032	556.2
401	445.00	.70000	15.000	.1949-01	.2504-01	.2504-01	.9500	.4986-03	.6406-03	.8142-01	.7890	560.4
401	445.00	.75000	16.000	.2469-01	.3180-01	.3180-01	.9500	.6316-03	.8135-03	.1022	1.026	561.8
401	445.00	.80000	17.000	.1103-01	.1420-01	.1420-01	.9500	.2823-03	.3633-03	.4579-01	.4396	561.5

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -11.00 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
409	4.006	4.020	.7739-02	-10.95	66.02	709.7	167.7	.4234	4.789	2552.	.6814-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
409	.4857-01	.1161-01

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
409	355.00	.22500	72.000	.1026	.1435	.1435	.9500	.4982-02	.6971-02	.6196	7.117	585.3
409	355.00	.25000	73.000	.1093	.1498	.1498	.9500	.5308-02	.7274-02	.6970	8.033	578.4
409	355.00	.27500	74.000	.9629-01	.1314	.1314	.9500	.4676-02	.6383-02	.6205	7.554	577.0
409	355.00	.80000	75.000	.1511-01	.2067-01	.2067-01	.9500	.7339-03	.1004-02	.9688-01	1.147	577.7
409	372.50	.30000	56.000	.1177	.1625	.1625	.9500	.5717-02	.7893-02	.7360	9.468	580.9
409	372.50	.32500	57.000	.1070	.1480	.1480	.9500	.5198-02	.7190-02	.6657	8.562	581.6
409	372.50	.35000	58.000	.1001	.1379	.1379	.9500	.4862-02	.6696-02	.6296	8.103	580.2
409	372.50	.37500	59.000	.9272-01	.1273	.1273	.9500	.4503-02	.6184-02	.5878	7.569	579.1
409	372.50	.40000	60.000	.8559-01	.1175	.1175	.9500	.4157-02	.5705-02	.5434	6.998	578.9
409	372.50	.42500	61.000	.8004-01	.1090	.1090	.9500	.3887-02	.5294-02	.5192	6.695	576.1
409	372.50	.45000	62.000	.7339-01	.9947-01	.9947-01	.9500	.3564-02	.4831-02	.4824	6.154	574.3
409	372.50	.47500	63.000	.6657-01	.8954-01	.8954-01	.9500	.3233-02	.4349-02	.4472	5.615	571.4
409	372.50	.50000	64.000	.6109-01	.8167-01	.8167-01	.9500	.2967-02	.3966-02	.4179	5.108	568.8
409	372.50	.52500	65.000	.5436-01	.7262-01	.7262-01	.9500	.2640-02	.3527-02	.3727	4.556	568.5
409	372.50	.55000	66.000	.4988-01	.6638-01	.6638-01	.9500	.2423-02	.3224-02	.3460	4.011	566.9
409	372.50	.60000	67.000	.3848-01	.5102-01	.5102-01	.9500	.1869-02	.2478-02	.2699	3.005	565.2
409	372.50	.65000	68.000	.3253-01	.4296-01	.4296-01	.9500	.1580-02	.2087-02	.2308	2.680	563.6
409	372.50	.70000	69.000	.2414-01	.3214-01	.3214-01	.9500	.1172-02	.1561-02	.1671	1.840	567.1
409	372.50	.75000	70.000	.3243-01	.4435-01	.4435-01	.9500	.1575-02	.2154-02	.2079	2.277	577.7
409	400.00	.20000	31.000	.1736-01	.2340-01	.2340-01	.9500	.8432-03	.1137-02	.1159	1.212	572.2
409	400.00	.22500	32.000	.4354-01	.5800-01	.5800-01	.9500	.2115-02	.2817-02	.3010	3.331	567.3

IH102 56-0/60-TS FUSELAGE (R4WV15)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
409	400.00	.25000	33.000	.3387-01	.4408-01	.4408-01	.9500	.1645-02	.2141-02	.2521	2.804	556.4
409	400.00	.27500	34.000	.5770-01	.7613-01	.7613-01	.9500	.2802-02	.3697-02	.4108	4.874	563.1
409	400.00	.30000	35.000	.9324-01	.1255	.1255	.9500	.4528-02	.6096-02	.6249	7.628	571.7
409	400.00	.32500	36.000	.1215	.1670	.1670	.9500	.5899-02	.8110-02	.7677	8.843	579.5
409	400.00	.35000	37.000	.1262	.1737	.1737	.9500	.6129-02	.8436-02	.7953	9.064	579.9
409	400.00	.37500	38.000	.1193	.1629	.1629	.9500	.5794-02	.7911-02	.7682	8.860	577.1
409	400.00	.40000	39.000	.9326-01	.1242	.1242	.9500	.4529-02	.6033-02	.6447	7.511	567.3
409	400.00	.42500	40.000	.9919-01	.1341	.1341	.9500	.4817-02	.6511-02	.6570	7.672	573.3
409	400.00	.45000	41.000	.9283-01	.1242	.1242	.9500	.4508-02	.6034-02	.6327	7.137	569.3
409	400.00	.47500	42.000	.9194-01	.1227	.1227	.9500	.4465-02	.5957-02	.6327	6.963	568.0
409	400.00	.50000	43.000	.8324-01	.1104	.1104	.9500	.4043-02	.5364-02	.5825	6.419	565.6
409	400.00	.52500	44.000	.7199-01	.9603-01	.9603-01	.9500	.3496-02	.4664-02	.4957	5.743	567.9
409	400.00	.55000	45.000	.7257-01	.9667-01	.9667-01	.9500	.3525-02	.4695-02	.5018	5.525	567.3
409	400.00	.60000	46.000	.6817-01	.9084-01	.9084-01	.9500	.3311-02	.4412-02	.4708	5.056	567.5
409	400.00	.65000	47.000	.6413-01	.8490-01	.8490-01	.9500	.3115-02	.4123-02	.4518	4.744	564.6
409	400.00	.70000	48.000	.6217-01	.8197-01	.8197-01	.9500	.3020-02	.3981-02	.4436	4.847	562.8
409	400.00	.75000	49.000	.5453-01	.7335-01	.7335-01	.9500	.2648-02	.3562-02	.3662	3.926	571.4
409	400.00	.80000	50.000	.7698-01	.1062	.1062	.9500	.3738-02	.5155-02	.4827	5.076	580.6
409	420.00	.28500	18.000	.4976-01	.6507-01	.6507-01	.9500	.2417-02	.3160-02	.3644	4.241	558.9
409	420.00	.33700	19.000	.9210-01	.1239	.1239	.9500	.4473-02	.6015-02	.6188	7.195	571.3
409	420.00	.39000	20.000	.1111	.1505	.1505	.9500	.5398-02	.7310-02	.7323	8.503	574.0
409	420.00	.42600	21.000	.9946-01	.1343	.1343	.9500	.4830-02	.6524-02	.6604	7.632	573.0
409	420.00	.47800	22.000	.9071-01	.1205	.1205	.9500	.4406-02	.5854-02	.6318	6.959	566.3
409	420.00	.53000	23.000	.7442-01	.9802-01	.9802-01	.9500	.3614-02	.4760-02	.5326	5.879	562.3
409	420.00	.56700	24.000	.6877-01	.9069-01	.9069-01	.9500	.3340-02	.4404-02	.4903	5.278	562.9
409	420.00	.62000	25.000	.6466-01	.8585-01	.8585-01	.9500	.3140-02	.4169-02	.4514	4.852	565.9
409	420.00	.67000	26.000	.6300-01	.8301-01	.8301-01	.9500	.3060-02	.4031-02	.4505	4.850	562.4
409	420.00	.70500	27.000	.6452-01	.8514-01	.8514-01	.9500	.3133-02	.4135-02	.4591	4.894	563.2
409	420.00	.75000	28.000	.6251-01	.8427-01	.8427-01	.9500	.3036-02	.4093-02	.4173	4.515	572.2
409	420.00	.80000	29.000	.3176-01	.4456-01	.4456-01	.9500	.1543-02	.2164-02	.1906	2.059	586.1
409	442.00	.30000	2.0000	.8582-01	.1139	.1139	.9500	.4168-02	.5533-02	.5992	6.287	565.9
409	445.00	.32500	3.0000	.7712-01	.1011	.1011	.9500	.3745-02	.4909-02	.5608	5.712	559.9
409	445.00	.35000	4.0000	.6884-01	.8961-01	.8961-01	.9500	.3343-02	.4352-02	.5118	5.270	556.6
409	445.00	.37500	5.0000	.5658-01	.7309-01	.7309-01	.9500	.2748-02	.3550-02	.4315	4.515	552.6
409	445.00	.40000	6.0000	.5905-01	.7656-01	.7656-01	.9500	.2868-02	.3718-02	.4449	4.544	554.5
409	445.00	.42500	7.0000	.5717-01	.7416-01	.7416-01	.9500	.2777-02	.3602-02	.4301	4.432	554.8
409	445.00	.45000	8.0000	.5751-01	.7443-01	.7443-01	.9500	.2793-02	.3615-02	.4360	4.434	553.6
409	445.00	.47500	9.0000	.5326-01	.6811-01	.6811-01	.9500	.2587-02	.3308-02	.4211	4.277	546.9
409	445.00	.50000	10.000	.5317-01	.6810-01	.6810-01	.9500	.2582-02	.3307-02	.4179	4.224	547.8
409	445.00	.52500	11.000	.5484-01	.7058-01	.7058-01	.9500	.2664-02	.3428-02	.4239	4.278	550.5
409	445.00	.55000	12.000	.5324-01	.6847-01	.6847-01	.9500	.2586-02	.3325-02	.4124	4.126	550.2
409	445.00	.60000	13.000	.4387-01	.5647-01	.5647-01	.9500	.2131-02	.2742-02	.3390	3.422	550.6
409	445.00	.65000	14.000	.4329-01	.5603-01	.5603-01	.9500	.2102-02	.2721-02	.3281	3.307	553.6

IH102 56-0/60-TS FUSELAGE (R4WV15)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
409	445.00	.70000	15.000	.4167-01	.5380-01	.5380-01	.9500	.2024-02	.2613-02	.3187	3.102	552.2
409	445.00	.75000	16.000	.3524-01	.4588-01	.4588-01	.9500	.1711-02	.2228-02	.2619	2.635	556.7

IH102 56-0/60-TS FUSELAGE (R4WV16)

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
408	4.009	4.020	.8937-07	-5.976	65.94	708.7	167.5	.4229	4.784	2550.	.6816-02	.1347-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
408	.4853-01	.1160-01

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
408	355.00	.22500	72.000	.9207-02	.1212-01	.1212-01	.9500	.4468-03	.5880-03	.6590-01	.7661	561.2
408	355.00	.25000	73.000	.4656-01	.6177-01	.6177-01	.9500	.2259-02	.2997-02	.3252	3.774	564.7
408	355.00	.27500	74.000	.5464-01	.7308-01	.7308-01	.9500	.2651-02	.3546-02	.3723	4.552	568.3
408	355.00	.80000	75.000	.2284-01	.3034-01	.3034-01	.9500	.1109-02	.1472-02	.1589	1.894	565.3
408	355.00	.85000	76.000	.4140-01	.5583-01	.5583-01	.9500	.2009-02	.2709-02	.2754	3.219	571.6
408	355.00	.87500	77.000	.2343-01	.3263-01	.3263-01	.9500	.1137-02	.1584-02	.1429	1.837	583.0
408	355.00	.90000	78.000	.2194-01	.3087-01	.3087-01	.9500	.1065-02	.1498-02	.1304	1.654	586.2
408	355.00	.92500	79.000	.2315-01	.3279-01	.3279-01	.9500	.1123-02	.1591-02	.1355	1.640	588.1
408	355.00	.95000	80.000	.8131-02	.1127-01	.1127-01	.9500	.3946 03	.5468-03	.5023-01	.5781	581.4
408	372.50	.30000	56.000	.6604-01	.8890-01	.8890-01	.9500	.3204-02	.4314-02	.4416	5.709	570.9
408	372.50	.32500	57.000	.7519-01	.1025	.1025	.9500	.3648-02	.4973-02	.4852	6.259	575.7
408	372.50	.35000	58.000	.8171-01	.1113	.1113	.9500	.3965-02	.5400-02	.5287	6.821	575.3
408	372.50	.37500	59.000	.8214-01	.1118	.1118	.9500	.3986-02	.5428-02	.5318	6.861	575.3
408	372.50	.40000	60.000	.8019-01	.1094	.1094	.9500	.3891-02	.5309-02	.5165	6.661	575.9
408	372.50	.42500	61.000	.7544-01	.1024	.1024	.9500	.3661-02	.4969-02	.4928	6.361	574.1
408	372.50	.45000	62.000	.6953-01	.9406-01	.9406-01	.9500	.3374-02	.4565-02	.4585	5.853	572.8
408	372.50	.47500	63.000	.6441-01	.8662-01	.8662-01	.9500	.3126-02	.4203-02	.4321	5.429	570.4
408	372.50	.50000	64.000	.6052-01	.8102-01	.8102-01	.9500	.2937-02	.3932-02	.4112	5.027	568.6
408	372.50	.52500	65.000	.5534-01	.7404-01	.7404-01	.9500	.2685-02	.3593-02	.3767	4.605	568.4
408	372.50	.55000	66.000	.5222-01	.6950-01	.6950-01	.9500	.2534-02	.3372-02	.3613	4.190	566.1
408	372.50	.60000	67.000	.4184-01	.5544-01	.5544-01	.9500	.2030-02	.2690-02	.2933	3.267	564.2

IH102 56-0/60-TS FUSELAGE (R4WV16)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
408	372.50	.65000	68.000	.3442-01	.4531-01	.4531-01	.9500	.1670-02	.2199-02	.2461	2.861	561.3
408	372.50	.70000	69.000	.3568-01	.4673-01	.4673-01	.9500	.1731-02	.2268-02	.2594	2.868	558.9
408	372.50	.75000	70.000	.4470-01	.5912-01	.5912-01	.9500	.2169-02	.2869-02	.3151	3.476	563.4
408	400.00	.20000	31.000	.3297-01	.4450-01	.4450-01	.9500	.1600-02	.2160-02	.2189	2.290	571.9
408	400.00	.22500	32.000	.9217-01	.1260	.1260	.9500	.4473-02	.6116-02	.5897	6.494	576.8
408	400.00	.25000	33.000	.6964-01	.9308-01	.9308-01	.9500	.3379-02	.4517-02	.4756	5.261	567.9
408	400.00	.27500	34.000	.6853-01	.9173-01	.9173-01	.9500	.3326-02	.4451-02	.4660	5.514	568.5
408	400.00	.30000	35.000	.7304-01	.9821-01	.9821-01	.9500	.3544-02	.4766-02	.4901	5.986	570.4
408	400.00	.32500	36.000	.7712-01	.1042	.1042	.9500	.3742-02	.5055-02	.5108	5.905	572.2
408	400.00	.35000	37.000	.8013-01	.1081	.1081	.9500	.3888-02	.5246-02	.5324	6.093	571.7
408	400.00	.37500	38.000	.8060-01	.1083	.1083	.9500	.3911-02	.5256-02	.5418	6.270	570.2
408	400.00	.40000	39.000	.7154-01	.9479-01	.9479-01	.9500	.3471-02	.4600-02	.5013	5.850	564.3
408	400.00	.42500	40.000	.7967-01	.1070	.1070	.9500	.3866-02	.5194-02	.5358	6.267	570.1
408	400.00	.45000	41.000	.7688-01	.1026	.1026	.9500	.3731-02	.4980-02	.5270	5.951	567.4
408	400.00	.47500	42.000	.7765-01	.1035	.1035	.9500	.3768-02	.5024-02	.5343	5.884	566.9
408	400.00	.50000	43.000	.7210-01	.9569-01	.9569-01	.9500	.3499-02	.4643-02	.5027	5.541	565.0
408	400.00	.52500	44.000	.6303-01	.8409-01	.8409-01	.9500	.3059-02	.4081-02	.4327	5.015	567.2
408	400.00	.55000	45.000	.6212-01	.8266-01	.8266-01	.9500	.3014-02	.4011-02	.4298	4.735	566.1
408	400.00	.60000	46.000	.5772-01	.7661-01	.7661-01	.9500	.2801-02	.3717-02	.4026	4.329	564.9
408	400.00	.65000	47.000	.4910-01	.6473-01	.6473-01	.9500	.2383-02	.3141-02	.3497	3.676	561.9
408	400.00	.70000	48.000	.4456-01	.5853-01	.5853-01	.9500	.2162-02	.2840-02	.3208	3.509	560.3
408	400.00	.75000	49.000	.4158-01	.5500-01	.5500-01	.9500	.2018-02	.2669-02	.2930	3.153	563.5
408	400.00	.80000	50.000	.4160-01	.5578-01	.5578-01	.9500	.2019-02	.2707-02	.2814	2.976	569.3
408	400.00	.85000	51.000	.1070-01	.1479-01	.1479-01	.9500	.5194-03	.7175-03	.6666-01	.8102	580.3
408	420.00	.28500	18.000	.6346-01	.8431-01	.8431-01	.9500	.3079-02	.4091-02	.4411	5.117	565.4
408	420.00	.33700	19.000	.7633-01	.1024	.1024	.9500	.3704-02	.4971-02	.5147	5.989	569.7
408	420.00	.39000	20.000	.7189-01	.9608-01	.9608-01	.9500	.3489-02	.4662-02	.4910	5.719	567.9
408	420.00	.42600	21.000	.6565-01	.8725-01	.8725-01	.9500	.3186-02	.4234-02	.4558	5.287	565.6
408	420.00	.47800	22.000	.6155-01	.8118-01	.8118-01	.9500	.2987-02	.3939-02	.4378	4.833	562.1
408	420.00	.53000	23.000	.5539-01	.7271-01	.7271-01	.9500	.2688-02	.3528-02	.4000	4.420	559.9
408	420.00	.56700	24.000	.5462-01	.7187-01	.7187-01	.9500	.2650-02	.3488-02	.3912	4.215	561.1
408	420.00	.62000	25.000	.5733-01	.7584-01	.7584-01	.9500	.2782-02	.3680-02	.4039	4.346	563.5
408	420.00	.67000	26.000	.4955-01	.6521-01	.6521-01	.9500	.2404-02	.3164-02	.3548	3.822	561.1
408	420.00	.70500	27.000	.4831-01	.6352-01	.6352-01	.9500	.2344-02	.3083-02	.3469	3.702	560.7
408	420.00	.75000	28.000	.4505-01	.5979-01	.5979-01	.9500	.2186-02	.2901-02	.3142	3.412	564.9
408	420.00	.80000	29.000	.3324-01	.4441-01	.4441-01	.9500	.1613-02	.2155-02	.2273	2.477	567.8
408	420.00	.82400	30.000	.3810-02	.5026-02	.5026-02	.9500	.1849-03	.2439-03	.2708-01	.3736	562.2
408	437.50	.27500	1.0000	.3722-01	.4869-01	.4869-01	.9500	.1806-02	.2363-02	.2717	2.795	558.2
408	442.00	.30000	2.0000	.3099-01	.4037-01	.4037-01	.9500	.1504-02	.1959-02	.2294	2.419	556.1
408	445.00	.32500	3.0000	.3185-01	.4126-01	.4126-01	.9500	.1545-02	.2002-02	.2400	2.452	553.4
408	445.00	.35000	4.0000	.4851-01	.6298-01	.6298-01	.9500	.2354-02	.3056-02	.3629	3.740	554.5
408	445.00	.37500	5.0000	.4560-01	.5913-01	.5913-01	.9500	.2213-02	.2869-02	.3429	3.585	553.7
408	445.00	.40000	6.0000	.4327-01	.5614-01	.5614-01	.9500	.2100-02	.2724-02	.3246	3.316	554.1

IH102 56-0/60-TS FUSELAGE (R4WV16)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
408	445.00	.42500	7.0000	.3727-01	.4836-01	.4836-01	.9500	.1809-02	.2347-02	.2795	2.882	554.1
408	445.00	.45000	8.0000	.3696-01	.4785-01	.4785-01	.9500	.1793-02	.2322-02	.2791	2.839	553.1
408	445.00	.47500	9.0000	.3272-01	.4198-01	.4198-01	.9500	.1588-02	.2037-02	.2552	2.591	548.0
408	445.00	.50000	10.000	.3170-01	.4072-01	.4072-01	.9500	.1538-02	.1976-02	.2462	2.487	548.7
408	445.00	.52500	11.000	.3156-01	.4062-01	.4062-01	.9500	.1532-02	.1971-02	.2434	2.457	549.8
408	445.00	.55000	12.000	.3167-01	.4069-01	.4069-01	.9500	.1537-02	.1975-02	.2456	2.459	548.8
408	445.00	.60000	13.000	.2734-01	.3515-01	.3515-01	.9500	.1327-02	.1705-02	.2117	2.138	549.1
408	445.00	.65000	14.000	.3045-01	.3940-01	.3940-01	.9500	.1478-02	.1912-02	.2306	2.325	552.6
408	445.00	.70000	15.000	.3121-01	.4033-01	.4033-01	.9500	.1514-02	.1957-02	.2371	2.307	552.1
408	445.00	.75000	16.000	.2855-01	.3700-01	.3700-01	.9500	.1385-02	.1795-02	.2150	2.167	553.5

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = -3.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC.	RHO SLUGS /FT3	MU LB-SEC /FT2
407	4.033	4.020	.1060-02	-3.034	66.05	706.7	167.0	.4236	4.792	2547.	.6846-02	.1344-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
407	.4854-01	.1157-01

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
407	355.00	.25000	73.000	.8417-02	.1085-01	.1085-01	.9500	.4086-03	.5267-03	.6437-01	.7529	549.1
407	355.00	.27500	74.000	.2535-01	.3308-01	.3308-01	.9500	.1231-02	.1606-02	.1862	2.292	555.3
407	355.00	.80000	75.000	.1626-01	.2135-01	.2135-01	.9500	.7894-03	.1036-02	.1171	1.400	558.4
407	355.00	.85000	76.000	.3141-01	.4193-01	.4193-01	.9500	.1525-02	.2035-02	.2147	2.516	565.9
407	355.00	.87500	77.000	.1847-01	.2511-01	.2511-01	.9500	.8963-03	.1219-02	.1196	1.545	573.2
407	355.00	.90000	78.000	.1898-01	.2607-01	.2607-01	.9500	.9215-03	.1266-02	.1198	1.526	576.7
407	355.00	.92500	79.000	.1468-01	.2036-01	.2036-01	.9500	.7124-03	.9884-03	.9017-01	1.096	580.1
407	372.50	.30000	56.000	.4643-01	.6120-01	.6120-01	.9500	.2254-02	.2970-02	.3300	4.289	560.2
407	372.50	.32500	57.000	.5785-01	.7712-01	.7712-01	.9500	.2808-02	.3744-02	.3970	5.148	565.3
407	372.50	.35000	58.000	.6272-01	.8363-01	.8363-01	.9500	.3044-02	.4059-02	.4303	5.579	565.3
407	372.50	.37500	59.000	.7044-01	.9463-01	.9463-01	.9500	.3419-02	.4593-02	.4727	6.120	568.4
407	372.50	.40000	60.000	.7493-01	.1011	.1011	.9500	.3637-02	.4907-02	.4965	6.422	570.2
407	372.50	.42500	61.000	.7359-01	.9873-01	.9873-01	.9500	.3572-02	.4792-02	.4957	6.418	567.9
407	372.50	.45000	62.000	.6997-01	.9356-01	.9356-01	.9500	.3396-02	.4542-02	.4759	6.095	566.5
407	372.50	.47500	63.000	.6501-01	.8645-01	.8645-01	.9500	.3156-02	.4196-02	.4496	5.665	564.2
407	372.50	.50000	64.000	.6069-01	.8035-01	.8035-01	.9500	.2946-02	.3900-02	.4256	5.219	562.2
407	372.50	.52500	65.000	.5415-01	.7162-01	.7162-01	.9500	.2628-02	.3477-02	.3807	4.669	561.8
407	372.50	.55000	66.000	.5098-01	.6710-01	.6710-01	.9500	.2474-02	.3257-02	.3639	4.233	559.6
407	372.50	.60000	67.000	.3866-01	.5064-01	.5064-01	.9500	.1876-02	.2458-02	.2802	3.131	557.4
407	372.50	.65000	68.000	.3124-01	.4065-01	.4065-01	.9500	.1516-02	.1973-02	.2313	2.698	554.1
407	372.50	.70000	69.000	.2908-01	.3764-01	.3764-01	.9500	.1412-02	.1827-02	.2193	2.434	551.3

IH102 56-0/60-TS FUSELAGE (R4WV17)

RUN NUMBER	Z0	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
407	372.50	.75000	70.000	.3595-01	.4696-01	.4696-01	.9500	.1745-02	.2279-02	.2629	2.911	556.0
407	400.00	.20000	31.000	.6594-01	.8912-01	.8912-01	.9500	.3201-02	.4326-02	.4348	4.551	570.8
407	400.00	.22500	32.000	.1003	.1356	.1356	.9500	.4871-02	.6580-02	.6624	7.317	570.7
407	400.00	.25000	33.000	.6392-01	.8409-01	.8409-01	.9500	.3103-02	.4082-02	.4570	5.077	559.4
407	400.00	.27500	34.000	.5550-01	.7295-01	.7295-01	.9500	.2694-02	.3541-02	.3979	4.730	559.0
407	400.00	.30000	35.000	.6442-01	.8522-01	.8522-01	.9500	.3127-02	.4137-02	.4526	5.552	561.9
407	400.00	.32500	36.000	.7236-01	.9660-01	.9660-01	.9500	.3513-02	.4689-02	.4947	5.737	565.8
407	400.00	.35000	37.000	.6895-01	.9181-01	.9181-01	.9500	.3347-02	.4456-02	.4751	5.456	564.7
407	400.00	.37500	38.000	.6548-01	.8675-01	.8675-01	.9500	.3178-02	.4211-02	.4580	5.321	562.6
407	400.00	.40000	39.000	.5525-01	.7210-01	.7210-01	.9500	.2682-02	.3500-02	.4054	4.751	555.5
407	400.00	.42500	40.000	.5909-01	.7785-01	.7785-01	.9500	.2868-02	.3779-02	.4205	4.943	560.1
407	400.00	.45000	41.000	.6353-01	.8334-01	.8334-01	.9500	.3084-02	.4045-02	.4584	5.200	558.0
407	400.00	.47500	42.000	.6515-01	.8551-01	.8551-01	.9500	.3162-02	.4151-02	.4692	5.189	558.3
407	400.00	.50000	43.000	.6285-01	.8232-01	.8232-01	.9500	.3051-02	.3996-02	.4558	5.044	557.3
407	400.00	.52500	44.000	.5946-01	.7845-01	.7845-01	.9500	.2886-02	.3808-02	.4211	4.896	560.8
407	400.00	.55000	45.000	.6139-01	.8094-01	.8094-01	.9500	.2980-02	.3929-02	.4361	4.818	560.3
407	400.00	.60000	46.000	.6017-01	.7933-01	.7933-01	.9500	.2921-02	.3851-02	.4272	4.604	560.4
407	400.00	.65000	47.000	.5476-01	.7163-01	.7163-01	.9500	.2658-02	.3477-02	.3988	4.204	556.6
407	400.00	.70000	48.000	.4796-01	.6249-01	.6249-01	.9500	.2328-02	.3033-02	.3538	3.881	554.7
407	400.00	.75000	49.000	.4297-01	.5623-01	.5623-01	.9500	.2086-02	.2729-02	.3127	3.377	556.8
407	400.00	.80000	50.000	.4111-01	.5450-01	.5450-01	.9500	.1996-02	.2645-02	.2870	3.045	562.9
407	400.00	.85000	51.000	.1669-01	.2277-01	.2277-01	9500	.8100-03	.1105-02	.1072	1.306	574.4
407	420.00	.28500	18.000	.4475-01	.5848-01	.5848-01	.9500	.2172-02	.2838-02	.3271	3.812	556.1
407	420.00	.33700	19.000	.5660-01	.7451-01	.7451-01	.9500	.2747-02	.3617-02	.4038	4.722	559.7
407	420.00	.39000	20.000	.6059-01	.7991-01	.7991-01	.9500	.2941-02	.3879-02	.4299	5.026	560.5
407	420.00	.42600	21.000	.5565-01	.7303-01	.7303-01	.9500	.2701-02	.3545-02	.4011	4.670	558.2
407	420.00	.47800	22.000	.5320-01	.6927-01	.6927-01	.9500	.2582-02	.3363-02	.3933	4.358	554.4
407	420.00	.53000	23.000	.4791-01	.6214-01	.6214-01	.9500	.2326-02	.3016-02	.3588	3.980	552.4
407	420.00	.56700	24.000	.4780-01	.6219-01	.6219-01	.9500	.2320-02	.3019-02	.3543	3.831	554.0
407	420.00	.62000	25.000	.4501-01	.5895-01	.5895-01	.9500	.2185-02	.2862-02	.3263	3.523	557.3
407	420.00	.67000	26.000	.4777-01	.6232-01	.6232-01	.9500	.2319-02	.3025-02	.3509	3.792	555.3
407	420.00	.70500	27.000	.4932-01	.6429-01	.6429-01	.9500	.2394-02	.3121-02	.3632	3.887	555.0
407	420.00	.75000	28.000	.4942-01	.6491-01	.6491-01	.9500	.2399-02	.3151-02	.3553	3.871	558.6
407	420.00	.80000	29.000	.3827-01	.5057-01	.5057-01	.9500	.1857-02	.2455-02	.2697	2.948	561.5
407	420.00	.82400	30.000	.1116-01	.1460-01	.1460-01	.9500	.5416-03	.7087-03	.8118-01	1.123	556.8
407	437.50	.27500	1.0000	.2671-01	.3444-01	.3444-01	.9500	.1296-02	.1672-02	.2039	2.107	549.4
407	442.00	.30000	2.0000	.1687-01	.2164-01	.2164-01	.9500	.8187-03	.1050-02	.1311	1.389	546.5
407	445.00	.32500	3.0000	.1345-01	.1714-01	.1714-01	.9500	.6528-03	.8321-03	.1070	1.100	542.7
407	445.00	.35000	4.0000	.2817-01	.3600-01	.3600-01	.9500	.1368-02	.1747-02	.2224	2.304	544.1
407	445.00	.37500	5.0000	.3938-01	.5057-01	.5057-01	.9500	.1911-02	.2455-02	.3050	3.200	547.1
407	445.00	.40000	6.0000	.4492-01	.5791-01	.5791-01	.9500	.2180-02	.2811-02	.3435	3.517	549.2
407	445.00	.42500	7.0000	.3625-01	.4668-01	.4668-01	9500	.1760-02	.2266-02	.2783	2.877	548.5
407	445.00	.45000	8.0000	.3350-01	.4299-01	.4299-01	.9500	.1626-02	.2087-02	.2602	2.656	546.6

IH102 56-0/60-TS FUSELAGE (R4WV17)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
407	445.00	.47500	9.0000	.2996-01	.3811-01	.3811-01	.9500	.1454-02	.1850-02	.2402	2.447	541.5
407	445.00	.50000	10.000	.2865-01	.3650-01	.3650-01	.9500	.1390-02	.1772-02	.2284	2.315	542.4
407	445.00	.52500	11.000	.2979-01	.3807-01	.3807-01	.9500	.1446-02	.1848-02	.2347	2.377	544.3
407	445.00	.55000	12.000	.3051-01	.3896-01	.3896-01	.9500	.1481-02	.1891-02	.2411	2.420	543.8
407	445.00	.60000	13.000	.2382-01	.3046-01	.3046-01	.9500	.1156-02	.1479-02	.1875	1.898	544.5
407	445.00	.65000	14.000	.2523-01	.3238-01	.3238-01	.9500	.1225-02	.1572-02	.1959	1.981	546.7
407	445.00	.70000	15.000	.2549-01	.3270-01	.3270-01	.9500	.1237-02	.1587-02	.1984	1.936	546.4
407	445.00	.75000	16.000	.2580-01	.3317-01	.3317-01	.9500	.1252-02	.1610-02	.1991	2.012	547.7
407	445.00	.80000	17.000	.2700-01	.3518-01	.3518-01	.9500	.1310-02	.1707-02	.1991	1.918	554.7

IH102 56-0/60-TS FUSELAGE (R4WV18)

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
399	1.072	4.010	-.5400-01	.1508-03	18.02	721.7	171.2	.1171	1.318	2572.	.1847-02	.1377-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
399	.2555-01	.2234-01

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
399	355.00	.85000	76.000	.1850-01	.2305-01	.2305-01	.9500	.4728-03	.5890-03	.8652-01	1.028	538.7
399	355.00	.87500	77.000	.2367-01	.2954-01	.2954-01	.9500	.6048-03	.7550-03	.1097	1.440	540.3
399	355.00	.90000	78.000	.2215-01	.2759-01	.2759-01	.9500	.5660-03	.7051-03	.1035	1.344	538.8
399	355.00	.92500	79.000	.1830-01	.2277-01	.2277-01	.9500	.4678-03	.5819-03	.8603-01	1.068	537.8
399	355.00	.95000	80.000	.7057-02	.8743-02	.8743-02	.9500	.1803-03	.2234-03	.3374-01	.3976	534.6
399	372.50	.35000	58.000	.1610-01	.1990-01	.1990-01	.9500	.4114-03	.5084-03	.7781-01	1.026	532.5
399	372.50	.37500	59.000	.2699-01	.3345-01	.3345-01	.9500	.6898-03	.8547-03	.1290	1.699	534.6
399	372.50	.40000	60.000	.2701-01	.3345-01	.3345-01	.9500	.6902-03	.8547-03	.1294	1.704	534.2
399	372.50	.42500	61.000	.2623-01	.3241-01	.3241-01	.9500	.6703-03	.8282-03	.1269	1.672	532.4
399	372.50	.45000	62.000	.2593-01	.3208-01	.3208-01	.9500	.6625-03	.8197-03	.1247	1.624	533.5
399	372.50	.47500	63.000	.2338-01	.2885-01	.2885-01	.9500	.5975-03	.7373-03	.1137	1.457	531.3
399	372.50	.50000	64.000	.2144-01	.2649-01	.2649-01	.9500	.5480-03	.6769-03	.1038	1.292	532.3
399	372.50	.52500	65.000	.2065-01	.2556-01	.2556-01	.9500	.5277-03	.6532-03	.9910-01	1.233	533.9
399	372.50	.55000	66.000	.1971-01	.2441-01	.2441-01	.9500	.5036-03	.6238-03	.9427-01	1.111	534.5
399	372.50	.60000	67.000	.1514-01	.1885-01	.1885-01	.9500	.3869-03	.4818-03	.7085-01	.7994	538.5
399	372.50	.65000	68.000	.1307-01	.1629-01	.1629-01	.9500	.3339-03	.4162-03	.6091-01	.7160	539.2
399	372.50	.70000	69.000	.1414-01	.1769-01	.1769-01	.9500	.3613-03	.4521-03	.6495-01	.7243	541.9
399	372.50	.75000	70.000	.1818-01	.2271-01	.2271-01	.9500	.4646-03	.5804-03	.8409-01	.9382	540.7
399	400.00	.20000	31.000	.1890-01	.2317-01	.2317-01	.9500	.4829-03	.5922-03	.9445-01	1.011	526.1
399	400.00	.22500	32.000	.2176-01	.2685-01	.2685-01	.9500	.5560-03	.6860-03	.1058	1.192	531.3
399	400.00	.25000	33.000	.1820-01	.2244-01	.2244-01	.9500	.4652-03	.5734-03	.8889-01	1.002	530.6

IH102 56-0/60-TS FUSELAGE (R4WV18)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
399	400.00	.27500	34.000	.1617-01	.1998-01	.1998-01	.9500	.4131-03	.5105-03	.7812-01	.9411	532.6
399	400.00	.30000	35.000	.1516-01	.1876-01	.1876-01	.9500	.3874-03	.4793-03	.7296-01	.9079	533.4
399	400.00	.32500	36.000	.1868-01	.2322-01	.2322-01	.9500	.4773-03	.5935-03	.8802-01	1.036	537.3
399	400.00	.35000	37.000	.2574-01	.3201-01	.3201-01	.9500	.6579-03	.8181-03	.1212	1.411	537.4
399	400.00	.37500	38.000	.3267-01	.4052-01	.4052-01	.9500	.8348-03	.1035-02	.1555	1.831	535.5
399	400.00	.40000	39.000	.3970-01	.4905-01	.4905-01	.9500	.1015-02	.1253-02	.1921	2.278	532.3
399	400.00	.42500	40.000	.4882-01	.6047-01	.6047-01	.9500	.1248-02	.1545-02	.2337	2.782	534.4
399	400.00	.45000	41.000	.4602-01	.5685-01	.5685-01	.9500	.1176-02	.1453-02	.2227	2.560	532.3
399	400.00	.47500	42.000	.4263-01	.5269-01	.5269-01	.9500	.1089-02	.1346-02	.2059	2.307	532.7
399	400.00	.50000	43.000	.3646-01	.4502-01	.4502-01	.9500	.9316-03	.1150-02	.1768	1.981	531.9
399	400.00	.52500	44.000	.3053-01	.3789-01	.3789-01	.9500	.7801-03	.9684-03	.1448	1.705	536.1
399	400.00	.55000	45.000	.2917-01	.3619-01	.3619-01	.9500	.7454-03	.9249-03	.1385	1.550	535.8
399	400.00	.60000	46.000	.2555-01	.3183-01	.3183-01	.9500	.6528-03	.8133-03	.1194	1.301	538.8
399	400.00	.65000	47.000	.2245-01	.2799-01	.2799-01	.9500	.5737-03	.7154-03	.1045	1.111	539.5
399	400.00	.70000	48.000	.2048-01	.2557-01	.2557-01	.9500	.5234-03	.6534-03	.9486-01	1.048	540.4
399	400.00	.75000	49.000	.2105-01	.2633-01	.2633-01	.9500	.5378-03	.6729-03	.9669-01	1.052	541.9
399	400.00	.80000	50.000	.1863-01	.2324-01	.2324-01	.9500	.4762-03	.5939-03	.8669-01	.9305	539.6
399	400.00	.85000	51.000	.1577-01	.1968-01	.1968-01	.9500	.4030-03	.5030-03	.7313-01	.9069	540.2
399	400.00	.87500	52.000	.1285-01	.1601-01	.1601-01	.9500	.3284-03	.4092-03	.5995-01	.7438	539.1
399	420.00	.28500	18.000	.2421-01	.2992-01	.2992-01	.9500	.6187-03	.7645-03	.1170	1.380	532.5
399	420.00	.33700	19.000	.3093-01	.3841-01	.3841-01	.9500	.7903-03	.9816-03	.1463	1.732	536.5
399	420.00	.39000	20.000	.3292-01	.4083-01	.4083-01	.9500	.8414-03	.1043-02	.1568	1.857	535.3
399	420.00	.42600	21.000	.3420-01	.4231-01	.4231-01	.9500	.8740-03	.1081-02	.1646	1.941	533.3
399	420.00	.47800	22.000	.5407-01	.6681-01	.6681-01	.9500	.1382-02	.1707-02	.2615	2.930	532.4
399	420.00	.53000	23.000	.4540-01	.5592-01	.5592-01	.9500	.1160-02	.1429-02	.2225	2.497	529.9
399	420.00	.56700	24.000	.3946-01	.4882-01	.4882-01	.9500	.1008-02	.1247-02	.1898	2.074	533.4
399	420.00	.62000	25.000	.3332-01	.4149-01	.4149-01	.9500	.8515-03	.1060-02	.1560	1.700	538.5
399	420.00	.67000	26.000	.2950-01	.3678-01	.3678-01	.9500	.7538-03	.9400-03	.1373	1.496	539.5
399	420.00	.70500	27.000	.2769-01	.3458-01	.3458-01	.9500	.7076-03	.8836-03	.1282	1.382	540.5
399	420.00	.75000	28.000	.2650-01	.3316-01	.3316-01	.9500	.6772-03	.8474-03	.1217	1.336	542.0
399	420.00	.80000	29.000	.2737-01	.3421-01	.3421-01	.9500	.6994-03	.8743-03	.1261	1.393	541.3
399	420.00	.82400	30.000	.1595-01	.1974-01	.1974-01	.9500	.4075-03	.5046-03	.7645-01	1.070	534.1
399	437.50	.27500	1.0000	.2537-01	.3130-01	.3130-01	.9500	.6483-03	.7998-03	.1235	1.288	531.1
399	442.00	.30000	2.0000	.1483-01	.1832-01	.1832-01	.9500	.3789-03	.4682-03	.7167-01	.7648	532.5
399	445.00	.32500	3.0000	.6737-02	.8314-02	.8314-02	.9500	.1722-03	.2125-03	.3274-01	.3383	531.5
399	445.00	.35000	4.0000	.6186-02	.7592-02	.7592-02	.9500	.1581-03	.1940-03	.3079-01	.3218	526.9
399	445.00	.37500	5.0000	.9328-02	.1145-01	.1145-01	.9500	.2384-03	.2925-03	.4650-01	.4930	526.6
399	445.00	.40000	6.0000	.1647-01	.2020-01	.2020-01	.9500	.4209-03	.5163-03	.8218-01	.8512	526.4
399	445.00	.42500	7.0000	.1925-01	.2369-01	.2369-01	.9500	.4919-03	.6054-03	.9470-01	.9887	529.2
399	445.00	.45000	8.0000	.2372-01	.2911-01	.2911-01	.9500	.6063-03	.7440-03	.1182	1.218	526.8
399	445.00	.47500	9.0000	.2541-01	.3099-01	.3099-01	.9500	.6492-03	.7919-03	.1301	1.338	521.3
399	445.00	.50000	10.000	.3280-01	.4019-01	.4019-01	.9500	.8383-03	.1027-02	.1646	1.683	525.3
399	445.00	.52500	11.000	.4142-01	.5086-01	.5086-01	.9500	.1059-02	.1300-02	.2059	2.103	527.1

IH102 56-0/60-TS FUSELAGE (R4WV18)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
399	445.00	.55000	12.000	.3918-01	.4809-01	.4809-01	.9500	.1001-02	.1229-02	.1951	1.975	526.9
399	445.00	.60000	13.000	.3118-01	.3838-01	.3838-01	.9500	.7968-03	.9809-03	.1531	1.562	529.5
399	445.00	.65000	14.000	.2978-01	.3687-01	.3687-01	.9500	.7610-03	.9422-03	.1428	1.453	534.1
399	445.00	.70000	15.000	.2675-01	.3329-01	.3329-01	.9500	.6837-03	.8508-03	.1256	1.231	537.9
399	445.00	.75000	16.000	.2581-01	.3212-01	.3212-01	.9500	.6596-03	.8209-03	.1211	1.230	538.0
399	445.00	.80000	17.000	.3777-01	.4705-01	.4705-01	.9500	.9653-03	.1202-02	.1767	1.716	538.7

IH102 56-0/60-TS FUSELAGE (R4WV18)

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
403	4.081	4.020	-.1400-01	-.9774-05	72.88	748.7	176.9	.4674	5.287	2621.	.7131-02	.1424-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
403	.5151-01	.1143-01

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
403	355.00	.25000	73.000	.1550-01	.1904-01	.1904-01	.9500	.7982-03	.9808-03	.1605	1.878	547.6
403	355.00	.27500	74.000	.2114-01	.2611-01	.2611-01	.9500	.1089-02	.1345-02	.2142	2.641	551.9
403	355.00	.80000	75.000	.2843-01	.3537-01	.3537-01	.9500	.1465-02	.1822-02	.2796	3.343	557.8
403	355.00	.85000	76.000	.4615-01	.5817-01	.5817-01	.9500	.2377-02	.2997-02	.4337	5.044	567.5
403	355.00	.87500	77.000	.4042-01	.5109-01	.5109-01	.9500	.2082-02	.2632-02	.3734	4.832	569.3
403	355.00	.90000	78.000	.3551-01	.4462-01	.4462-01	.9500	.1829-02	.2298-02	.3353	4.297	565.3
403	355.00	.92500	79.000	.3420-01	.4287-01	.4287-01	.9500	.1762-02	.2208-02	.3262	3.998	563.5
403	355.00	.95000	80.000	.2660-01	.3311-01	.3311-01	.9500	.1370-02	.1705-02	.2608	3.036	558.3
403	372.50	.30000	56.000	.4883-01	.6140-01	.6140-01	.9500	.2516-02	.3163-02	.4602	5.966	565.7
403	372.50	.32500	57.000	.4990-01	.6301-01	.6301-01	.9500	.2571-02	.3246-02	.4625	5.987	568.7
403	372.50	.35000	58.000	.4972-01	.6277-01	.6277-01	.9500	.2561-02	.3233-02	.4615	5.973	568.5
403	372.50	.37500	59.000	.5242-01	.6638-01	.6638-01	.9500	.2700-02	.3419-02	.4807	6.216	570.6
403	372.50	.40000	60.000	.5654-01	.7176-01	.7176-01	.9500	.2913-02	.3697-02	.5142	6.644	572.1
403	372.50	.42500	61.000	.5738-01	.7274-01	.7274-01	.9500	.2956-02	.3747-02	.5238	6.771	571.4
403	372.50	.45000	62.000	.5748-01	.7305-01	.7305-01	.9500	.2961-02	.3763-02	.5201	6.639	573.0
403	372.50	.47500	63.000	.5735-01	.7256-01	.7256-01	.9500	.2954-02	.3738-02	.5276	6.630	570.1
403	372.50	.50000	64.000	.5719-01	.7225-01	.7225-01	.9500	.2946-02	.3722-02	.5288	6.463	569.2
403	372.50	.52500	65.000	.5428-01	.6862-01	.6862-01	.9500	.2796-02	.3535-02	.5008	6.119	569.6
403	372.50	.55000	66.000	.5254-01	.6615-01	.6615-01	.9500	.2706-02	.3407-02	.4926	5.710	566.7
403	372.50	.60000	67.000	.4635-01	.5812-01	.5812-01	.9500	.2388-02	.2994-02	.4415	4.919	563.7
403	372.50	.65000	68.000	.4065-01	.5079-01	.5079-01	.9500	.2094-02	.2616-02	.3927	4.565	561.1

IH102 56-0/60-TS FUSELAGE (R4WV18)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF S= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
403	372.50	.70000	69.000	.3679-01	.4599-01	.4599-01	.9500	.1895-02	.2369-02	.3546	3.916	561.5
403	372.50	.75000	70.000	.4081-01	.5099-01	.5099-01	.9500	.2102-02	.2626-02	.3943	4.355	561.1
403	400.00	.20000	31.000	.6291-01	.7944-01	.7944-01	.9500	.3241-02	.4092-02	.5833	6.112	568.7
403	400.00	.22500	32.000	.8209-01	.1049	.1049	.9500	.4228-02	.5406-02	.7266	8.002	576.8
403	400.00	.25000	33.000	.5497-01	.6887-01	.6887-01	.9500	.2831-02	.3547-02	.5251	5.822	563.2
403	400.00	.27500	34.000	.3987-01	.4977-01	.4977-01	.9500	.2054-02	.2564-02	.3865	4.591	560.5
403	400.00	.30000	35.000	.3703-01	.4620-01	.4620-01	.9500	.1907-02	.2380-02	.3597	4.417	560.1
403	400.00	.32500	36.000	.4657-01	.5859-01	.5859-01	.9500	.2399-02	.3018-02	.4378	5.077	566.2
403	400.00	.35000	37.000	.5424-01	.6850-01	.6850-01	.9500	.2794-02	.3528-02	.5025	5.758	568.8
403	400.00	.37500	38.000	.5462-01	.6870-01	.6870-01	.9500	.2814-02	.3539-02	.5140	5.960	566.0
403	400.00	.40000	39.000	.4520-01	.5645-01	.5645-01	.9500	.2328-02	.2908-02	.4375	5.114	560.8
403	400.00	.42500	40.000	.4888-01	.6141-01	.6141-01	.9500	.2518-02	.3163-02	.4619	5.416	565.2
403	400.00	.45000	41.000	.4876-01	.6109-01	.6109-01	.9500	.2512-02	.3147-02	.4659	5.272	563.2
403	400.00	.47500	42.000	.4991-01	.6256-01	.6256-01	.9500	.2571-02	.3223-02	.4756	5.246	563.7
403	400.00	.50000	43.000	.4730-01	.5916-01	.5916-01	.9500	.2436-02	.3048-02	.4547	5.019	562.0
403	400.00	.52500	44.000	.4607-01	.5797-01	.5797-01	.9500	.2373-02	.2986-02	.4330	5.021	566.2
403	400.00	.55000	45.000	.4734-01	.5944-01	.5944-01	.9500	.2438-02	.3062-02	.4484	4.943	564.8
403	400.00	.60000	46.000	.4931-01	.6195-01	.6195-01	.9500	.2540-02	.3191-02	.4660	5.011	565.2
403	400.00	.65000	47.000	.4811-01	.6024-01	.6024-01	.9500	.2478-02	.3103-02	.4607	4.841	562.8
403	400.00	.70000	48.000	.4515-01	.5648-01	.5648-01	.9500	.2326-02	.2910-02	.4340	4.744	562.1
403	400.00	.75000	49.000	.4467-01	.5589-01	.5589-01	.9500	.2301-02	.2879-02	.4292	4.622	562.2
403	400.00	.80000	50.000	.4713-01	.5893-01	.5893-01	.9500	.2428-02	.3036-02	.4538	4.817	561.7
403	400.00	.85000	51.000	.2780-01	.3483-01	.3483-01	.9500	.1432-02	.1794-02	.2655	3.254	563.3
403	400.00	.87500	52.000	.2105-01	.2626-01	.2626-01	.9500	.1084-02	.1353-02	.2046	2.512	559.9
403	400.00	.90000	53.000	.1765-01	.2207-01	.2207-01	.9500	.9094-03	.1137-02	.1702	2.349	561.6
403	400.00	.92500	54.000	.1558-01	.1945-01	.1945-01	.9500	.8027-03	.1002-02	.1511	1.964	560.4
403	400.00	.95000	55.000	.1350-01	.1673-01	.1673-01	.9500	.6955-03	.8617-03	.1349	1.359	554.6
403	420.00	.28500	18.000	.2933-01	.3637-01	.3637-01	.9500	.1511-02	.1873-02	.2922	3.407	555.3
403	420.00	.33700	19.000	.3376-01	.4217-01	.4217-01	.9500	.1739-02	.2172-02	.3265	3.817	560.9
403	420.00	.39000	20.000	.5620-01	.7079-01	.7079-01	.9500	.2895-02	.3646-02	.5259	6.127	567.0
403	420.00	.42600	21.000	.5265-01	.6612-01	.6612-01	.9500	.2712-02	.3406-02	.4981	5.779	565.0
403	420.00	.47800	22.000	.4473-01	.5588-01	.5588-01	.9500	.2304-02	.2878-02	.4324	4.776	561.0
403	420.00	.53000	23.000	.4171-01	.5185-01	.5185-01	.9500	.2149-02	.2671-02	.4115	4.554	557.1
403	420.00	.56700	24.000	.4105-01	.5115-01	.5115-01	.9500	.2115-02	.2635-02	.4012	4.327	559.0
403	420.00	.62000	25.000	.4082-01	.5091-01	.5091-01	.9500	.2103-02	.2623-02	.3970	4.280	559.9
403	420.00	.67000	26.000	.3865-01	.4810-01	.4810-01	.9500	.1991-02	.2478-02	.3791	4.091	558.2
403	420.00	.70500	27.000	.3879-01	.4835-01	.4835-01	.9500	.1998-02	.2491-02	.3783	4.040	559.4
403	420.00	.75000	28.000	.3950-01	.4942-01	.4942-01	.9500	.2034-02	.2546-02	.3792	4.124	562.3
403	420.00	.80000	29.000	.4798-01	.6054-01	.6054-01	.9500	.2471-02	.3119-02	.4457	4.856	568.3
403	420.00	.82400	30.000	.1849-01	.2301-01	.2301-01	.9500	.9524-03	.1185-02	.1815	2.510	558.1
403	437.50	.27500	1.0000	.2924-01	.3596-01	.3596-01	.9500	.1506-02	.1852-02	.3016	3.119	548.4
403	442.00	.30000	2.0000	.2086-01	.2559-01	.2559-01	.9500	.1074-02	.1318-02	.2174	2.303	546.4
403	445.00	.32500	3.0000	.1426-01	.1749-01	.1749-01	.9500	.7348-03	.9008-03	.1492	1.531	545.6

IH102 56-0/60-TS FUSELAGE (R4WV18)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
403	445.00	.35000	4.0000	.1369-01	.1674-01	.1674-01	.9500	.7053-03	.8625-03	.1448	1.501	543.3
403	445.00	.37500	5.0000	.1859-01	.2285-01	.2285-01	.9500	.9577-03	.1177-02	.1925	2.019	547.7
403	445.00	.40000	6.0000	.3636-01	.4503-01	.4503-01	.9500	.1873-02	.2320-02	.3642	3.720	554.2
403	445.00	.42500	7.0000	.4409-01	.5498-01	.5498-01	.9500	.2271-02	.2832-02	.4293	4.413	559.7
403	445.00	.45000	8.0000	.4595-01	.5722-01	.5722-01	.9500	.2367-02	.2948-02	.4500	4.565	558.6
403	445.00	.47500	9.0000	.4070-01	.5029-01	.5029-01	.9500	.2096-02	.2591-02	.4113	4.167	552.4
403	445.00	.50000	10.000	.3804-01	.4719-01	.4719-01	.9500	.1959-02	.2431-02	.3784	3.809	555.6
403	445.00	.52500	11.000	.3864-01	.4796-01	.4796-01	.9500	.1991-02	.2470-02	.3837	3.863	555.9
403	445.00	.55000	12.000	.3554-01	.4392-01	.4392-01	.9500	.1831-02	.2262-02	.3592	3.589	552.5
403	445.00	.60000	13.000	.3032-01	.3741-01	.3741-01	.9500	.1562-02	.1927-02	.3083	3.111	551.2
403	445.00	.65000	14.000	.3081-01	.3815-01	.3815-01	.9500	.1587-02	.1965-02	.3089	3.112	554.1
403	445.00	.70000	15.000	.3035-01	.3772-01	.3772-01	.9500	.1563-02	.1943-02	.2994	2.906	557.1
403	445.00	.75000	16.000	.2926-01	.3641-01	.3641-01	.9500	.1507-02	.1876-02	.2871	2.887	558.1
403	445.00	.80000	17.000	.4527-01	.5717-01	.5717-01	.9500	.2332-02	.2945-02	.4192	4.010	568.9

IH102 56-0/60-TS FUSELAGE (R4WV19)

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
410	4.002	4.020	.0000	.0000	65.96	709.7	167.7	.4230	4.785	2552.	.6808-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
410	.4854-01	.1161-01

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
410	355.00	.25000	73.000	.9633-02	.1211-01	.1211-01	.9500	.4676-03	.5880-03	.8108-01	.9544	536.3
410	355.00	.27500	74.000	.1524-01	.1921-01	.1921-01	.9500	.7396-03	.9323-03	.1270	1.577	538.0
410	355.00	.80000	75.000	.2055-01	.2619-01	.2619-01	.9500	.9977-03	.1272-02	.1644	1.978	544.9
410	355.00	.85000	76.000	.3796-01	.4940-01	.4940-01	.9500	.1842-02	.2398-02	.2822	3.323	556.5
410	355.00	.87500	77.000	.3067-01	.4028-01	.4028-01	.9500	.1489-02	.1956-02	.2215	2.878	560.9
410	355.00	.90000	78.000	.2413-01	.3168-01	.3168-01	.9500	.1172-02	.1538-02	.1745	2.241	560.7
410	355.00	.92500	79.000	.2038-01	.2678-01	.2678-01	.9500	.9892-03	.1300-02	.1468	1.802	561.2
410	355.00	.95000	80.000	.1332-01	.1737-01	.1737-01	.9500	.6468-03	.8430-03	.9861-01	1.149	557.2
410	372.50	.30000	56.000	.4748-01	.6076-01	.6076-01	.9500	.2305-02	.2950-02	.3743	4.898	547.3
410	372.50	.32500	57.000	.4849-01	.6217-01	.6217-01	.9500	.2354-02	.3018-02	.3793	4.960	548.5
410	372.50	.35000	58.000	.4729-01	.6070-01	.6070-01	.9500	.2296-02	.2947-02	.3689	4.822	549.0
410	372.50	.37500	59.000	.5000-01	.6441-01	.6441-01	.9500	.2427-02	.3127-02	.3850	5.028	551.0
410	372.50	.40000	60.000	.5289-01	.6835-01	.6835-01	.9500	.2567-02	.3318-02	.4026	5.253	552.8
410	372.50	.42500	61.000	.5533-01	.7144-01	.7144-01	.9500	.2686-02	.3468-02	.4227	5.517	552.3
410	372.50	.45000	62.000	.5723-01	.7384-01	.7384-01	.9500	.2778-02	.3585-02	.4382	5.653	551.9
410	372.50	.47500	63.000	.5593-01	.7185-01	.7185-01	.9500	.2715-02	.3488-02	.4348	5.520	549.5
410	372.50	.50000	64.000	.5476-01	.7017-01	.7017-01	.9500	.2658-02	.3406-02	.4293	5.302	548.2
410	372.50	.52500	65.000	.5065-01	.6499-01	.6499-01	.9500	.2459-02	.3155-02	.3953	4.881	548.9
410	372.50	.55000	66.000	.4841-01	.6202-01	.6202-01	.9500	.2350-02	.3011-02	.3801	4.448	548.0
410	372.50	.60000	67.000	.3833-01	.4917-01	.4917-01	.9500	.1860-02	.2387-02	.2994	3.361	548.8
410	372.50	.65000	68.000	.3270-01	.4179-01	.4179-01	.9500	.1588-02	.2029-02	.2590	3.033	546.5

IH102 56-0/60-TS FUSELAGE (R4WV19)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
410	372.50	.70000	69.000	.3100-01	.3928-01	.3928-01	.9500	.1505-02	.1907-02	.2535	2.827	541.3
410	372.50	.75000	70.000	.3634-01	.4609-01	.4609-01	.9500	.1764-02	.2237-02	.2959	3.300	541.9
410	400.00	.20000	31.000	.4913-01	.6364-01	.6364-01	.9500	.2385-02	.3089-02	.3711	3.917	554.1
410	400.00	.22500	32.000	.8716-01	.1133	.1133	.9500	.4231-02	.5500-02	.6506	7.240	555.9
410	400.00	.25000	33.000	.5794-01	.7378-01	.7378-01	.9500	.2812-02	.3582-02	.4646	5.200	544.5
410	400.00	.27500	34.000	.4169-01	.5295-01	.5295-01	.9500	.2024-02	.2570-02	.3375	4.044	542.9
410	400.00	.30000	35.000	.3712-01	.4717-01	.4717-01	.9500	.1802-02	.2290-02	.3003	3.719	543.0
410	400.00	.32500	36.000	.4600-01	.5879-01	.5879-01	.9500	.2233-02	.2854-02	.3643	4.266	546.5
410	400.00	.35000	37.000	.5432-01	.6971-01	.6971-01	.9500	.2637-02	.3384-02	.4237	4.904	549.0
410	400.00	.37500	38.000	.5309-01	.6798-01	.6798-01	.9500	.2577-02	.3300-02	.4177	4.889	547.6
410	400.00	.40000	39.000	.4439-01	.5633-01	.5633-01	.9500	.2155-02	.2735-02	.3605	4.252	542.4
410	400.00	.42500	40.000	.4758-01	.6076-01	.6076-01	.9500	.2310-02	.2950-02	.3780	4.474	546.1
410	400.00	.45000	41.000	.4920-01	.6249-01	.6249-01	.9500	.2388-02	.3033-02	.3986	4.557	542.8
410	400.00	.47500	42.000	.4968-01	.6301-01	.6301-01	.9500	.2412-02	.3059-02	.4045	4.511	541.9
410	400.00	.50000	43.000	.4764-01	.6028-01	.6028-01	.9500	.2312-02	.2926-02	.3913	4.367	540.4
410	400.00	.52500	44.000	.4372-01	.5567-01	.5567-01	.9500	.2122-02	.2702-02	.3508	4.112	544.4
410	400.00	.55000	45.000	.4508-01	.5757-01	.5757-01	.9500	.2188-02	.2795-02	.3579	3.983	546.1
410	400.00	.60000	46.000	.4770-01	.6128-01	.6128-01	.9500	.2316-02	.2975-02	.3710	4.020	549.5
410	400.00	.65000	47.000	.4529-01	.5798-01	.5798-01	.9500	.2198-02	.2815-02	.3563	3.773	547.6
410	400.00	.70000	48.000	.4363-01	.5545-01	.5545-01	.9500	.2118-02	.2692-02	.3526	3.891	543.2
410	400.00	.75000	49.000	.4380-01	.5563-01	.5563-01	.9500	.2126-02	.2701-02	.3549	3.859	542.8
410	400.00	.80000	50.000	.4165-01	.5337-01	.5337-01	.9500	.2022-02	.2591-02	.3266	3.491	548.1
410	400.00	.85000	51.000	.1619-01	.2100-01	.2100-01	.9500	.7859-03	.1020-02	.1217	1.498	554.9
410	400.00	.87500	52.000	.9453-02	.1226-01	.1226-01	.9500	.4589-03	.5954-03	.7103-01	.8743	554.9
410	400.00	.90000	53.000	.6484-02	.8448-02	.8448-02	.9500	.3148-03	.4101-03	.4804-01	.6645	557.1
410	400.00	.92500	54.000	.4047-02	.5270-02	.5270-02	.9500	.1964-03	.2558-03	.3003-01	.3910	556.8
410	400.00	.95000	55.000	.3318-02	.4286-02	.4286-02	.9500	.1611-03	.2081-03	.2530-01	.2551	552.6
410	420.00	.28500	18.000	.2514-01	.3173-01	.3173-01	.9500	.1220-02	.1540-02	.2083	2.448	539.0
410	420.00	.33700	19.000	.3093-01	.3922-01	.3922-01	.9500	.1502-02	.1904-02	.2522	2.977	541.7
410	420.00	.39000	20.000	.5162-01	.6609-01	.6609-01	.9500	.2506-02	.3208-02	.4060	4.777	547.6
410	420.00	.42600	21.000	.4788-01	.6102-01	.6102-01	.9500	.2324-02	.2962-02	.3831	4.490	544.9
410	420.00	.47800	22.000	.4161-01	.5258-01	.5258-01	.9500	.2020-02	.2552-02	.3437	3.837	539.5
410	420.00	.53000	23.000	.3943-01	.4972-01	.4972-01	.9500	.1914-02	.2414-02	.3283	3.668	538.1
410	420.00	.56700	24.000	.3789-01	.4805-01	.4805-01	.9500	.1839-02	.2333-02	.3087	3.350	541.9
410	420.00	.62000	25.000	.3622-01	.4631-01	.4631-01	.9500	.1758-02	.2248-02	.2864	3.108	546.8
410	420.00	.67000	26.000	.3516-01	.4472-01	.4472-01	.9500	.1707-02	.2171-02	.2832	3.079	543.7
410	420.00	.70500	27.000	.3831-01	.4858-01	.4858-01	.9500	.1860-02	.2358-02	.3121	3.363	541.8
410	420.00	.75000	28.000	.4043-01	.5148-01	.5148-01	.9500	.1963-02	.2499-02	.3243	3.559	544.4
410	420.00	.80000	29.000	.4800-01	.6171-01	.6171-01	.9500	.2330-02	.2995-02	.3723	4.093	549.9
410	420.00	.82400	30.000	.1580-01	.2017-01	.2017-01	.9500	.7669-03	.9790-03	.1256	1.747	545.9
410	437.50	.27500	1.0000	.1714-01	.2146-01	.2146-01	.9500	.8318-03	.1042-02	.1466	1.527	533.5
410	442.00	.30000	2.0000	.8499-02	.1059-01	.1059-01	.9500	.4126-03	.5138-03	.7430-01	.7940	529.6
410	445.00	.35000	4.0000	.5860-02	.7251-02	.7251-02	.9500	.2845-03	.3520-03	.5265-01	.5510	524.6

IH102 56-0/60-TS FUSELAGE (R4WV19)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
410	445.00	.37500	5.0000	.1286-01	.1599-01	.1599-01	.9500	.6245-03	.7760-03	.1135	1.202	528.0
410	445.00	.40000	6.0000	.3163-01	.3961-01	.3961-01	.9500	.1536-02	.1923-02	.2706	2.793	533.5
410	445.00	.42500	7.0000	.4069-01	.5116-01	.5116-01	.9500	.1975-02	.2483-02	.3425	3.562	536.3
410	445.00	.45000	8.0000	.4170-01	.5230-01	.5230-01	.9500	.2024-02	.2539-02	.3544	3.639	534.6
410	445.00	.47500	9.0000	.3768-01	.4687-01	.4687-01	.9500	.1829-02	.2275-02	.3310	3.394	528.7
410	445.00	.50000	10.000	.3467-01	.4316-01	.4316-01	.9500	.1683-02	.2095-02	.3033	3.094	529.5
410	445.00	.52500	11.000	.3375-01	.4212-01	.4212-01	.9500	.1638-02	.2045-02	.2925	2.981	531.1
410	445.00	.55000	12.000	.3074-01	.3836-01	.3836-01	.9500	.1492-02	.1862-02	.2665	2.692	531.1
410	445.00	.60000	13.000	.2536-01	.3179-01	.3179-01	.9500	.1231-02	.1543-02	.2159	2.198	534.2
410	445.00	.65000	14.000	.2732-01	.3442-01	.3442-01	.9500	.1326-02	.1671-02	.2283	2.319	537.6
410	445.00	.70000	15.000	.2855-01	.3582-01	.3582-01	.9500	.1386-02	.1739-02	.2422	2.378	534.9
410	445.00	.75000	16.000	.2696-01	.3385-01	.3385-01	.9500	.1309-02	.1643-02	.2283	2.322	535.3
410	445.00	.80000	17.000	.4316-01	.5532-01	.5532-01	.9500	.2095-02	.2685-02	.3381	3.268	548.3

FUSELAGE (56-0) LS

PARAMETRIC DATA

MACH = 4.000 ALPHA = 5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L. /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
406	4.078	4.020	4.956	.5183-02	66.08	701.7	165.8	.4238	4.794	2538.	.6898-02	.1334-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
406	.4849-01	.1152-01

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
406	355.00	.20000	71.000	.3137-01	.4274-01	.4274-01	.9500	.1521-02	.2072-02	.2006	2.262	569.8
406	355.00	.22500	72.000	.4034-01	.5418-01	.5418-01	.9500	.1956-02	.2627-02	.2687	3.119	564.3
406	355.00	.25000	73.000	.3370-01	.4460-01	.4460-01	.9500	.1634-02	.2163-02	.2345	2.730	568.2
406	355.00	.27500	74.000	.4425-01	.5921-01	.5921-01	.9500	.2146-02	.2871-02	.2980	3.653	562.8
406	355.00	.80000	75.000	.8892-02	.1179-01	.1179-01	.9500	.4312-03	.5718-03	.6151-01	.7351	559.0
406	355.00	.85000	76.000	.2258-01	.3057-01	.3057-01	.9500	.1095-02	.1482-02	.1469	1.720	567.5
406	355.00	.87500	77.000	.1785-01	.2430-01	.2430-01	.9500	.8653-03	.1178-02	.1143	1.479	569.6
406	355.00	.90000	78.000	.1081-01	.1472-01	.1472-01	.9500	.5241-03	.7139-03	.6914-01	.8841	569.7
406	355.00	.92500	79.000	.7920-02	.1079-01	.1079-01	.9500	.3840-03	.5231-03	.5068-01	.6192	569.7
406	372.50	.30000	56.000	.4653-01	.6250-01	.6250-01	.9500	.2256-02	.3031-02	.3098	4.018	564.4
406	372.50	.32500	57.000	.5260-01	.7113-01	.7113-01	.9500	.2551-02	.3449-02	.3435	4.451	567.0
406	372.50	.35000	58.000	.5319-01	.7174-01	.7174-01	.9500	.2579-02	.3479-02	.3499	4.535	566.0
406	372.50	.37500	59.000	.5184-01	.6986-01	.6986-01	.9500	.2514-02	.3388-02	.3418	4.431	565.7
406	372.50	.40000	60.000	.4897-01	.6596-01	.6596-01	.9500	.2375-02	.3198-02	.3235	4.195	565.4
406	372.50	.42500	61.000	.4531-01	.6083-01	.6083-01	.9500	.2197-02	.2950-02	.3020	3.918	564.2
406	372.50	.45000	62.000	.4149-01	.5564-01	.5564-01	.9500	.2012-02	.2698-02	.2774	3.558	563.8
406	372.50	.47500	63.000	.3793-01	.5065-01	.5065-01	.9500	.1839-02	.2456-02	.2571	3.243	561.9
406	372.50	.50000	64.000	.3567-01	.4753-01	.4753-01	.9500	.1730-02	.2305-02	.2433	2.986	561.0
406	372.50	.52500	65.000	.3236-01	.4311-01	.4311-01	.9500	.1569-02	.2090-02	.2209	2.710	560.9
406	372.50	.55000	66.000	.3027-01	.4019-01	.4019-01	.9500	.1468-02	.1949-02	.2086	2.426	559.6
406	372.50	.60000	67.000	.2399-01	.3177-01	.3177-01	.9500	.1163-02	.1540-02	.1668	1.863	558.3

IH102 56-0/60-TS FUSELAGE (R4WV20)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
406	372.50	.65000	68.000	.1890-01	.2493-01	.2493-01	.9500	.9163-03	.1209-02	.1329	1.548	556.7
406	372.50	.70000	69.000	.1789-01	.2368-01	.2368-01	.9500	.8677-03	.1148-02	.1246	1.378	558.1
406	372.50	.75000	70.000	.2017-01	.2683-01	.2683-01	.9500	.9779-03	.1301-02	.1382	1.526	560.4
406	400.00	.20000	31.000	.1494-01	.1988-01	.1988-01	.9500	.7243-03	.9642-03	.1021	1.074	560.7
406	400.00	.22500	32.000	.4690-01	.6315-01	.6315-01	.9500	.2274-02	.3062-02	.3101	3.435	565.3
406	400.00	.25000	33.000	.4223-01	.5634-01	.5634-01	.9500	.2048-02	.2732-02	.2869	3.183	561.6
406	400.00	.27500	34.000	.3882-01	.5181-01	.5181-01	.9500	.1882-02	.2512-02	.263	3.127	561.7
406	400.00	.30000	35.000	.4364-01	.5823-01	.5823-01	.9500	.2116-02	.2824-02	.2964	3.636	561.6
406	400.00	.32500	36.000	.4810-01	.6488-01	.6488-01	.9500	.2332-02	.3146-02	.3162	3.667	566.1
406	400.00	.35000	37.000	.5150-01	.6956-01	.6956-01	.9500	.2497-02	.3373-02	.3373	3.870	566.6
406	400.00	.37500	38.000	.5023-01	.6745-01	.6745-01	.9500	.2436-02	.3271-02	.3348	3.886	564.2
406	400.00	.40000	39.000	.4234-01	.5637-01	.5637-01	.9500	.2053-02	.2734-02	.2894	3.383	560.7
406	400.00	.42500	40.000	.4599-01	.6168-01	.6168-01	.9500	.2230-02	.2991-02	.3077	3.610	563.7
406	400.00	.45000	41.000	.4478-01	.5972-01	.5972-01	.9500	.2171-02	.2896-02	.3045	3.449	561.4
406	400.00	.47500	42.000	.4469-01	.5961-01	.5961-01	.9500	.2167-02	.2891-02	.3037	3.353	561.5
406	400.00	.50000	43.000	.4066-01	.5406-01	.5406-01	.9500	.1972-02	.2621-02	.2792	3.085	560.1
406	400.00	.52500	44.000	.3772-01	.5039-01	.5039-01	.9500	.1829-02	.2443-02	.2552	2.965	562.1
406	400.00	.55000	45.000	.3687-01	.4910-01	.4910-01	.9500	.1788-02	.2381-02	.2518	2.782	560.8
406	400.00	.60000	46.000	.3627-01	.4820-01	.4820-01	.9500	.1759-02	.2337-02	.2492	2.686	560.0
406	400.00	.65000	47.000	.3055-01	.4039-01	.4039-01	.9500	.1481-02	.1958-02	.2134	2.248	557.6
406	400.00	.70000	48.000	.2730-01	.3611-01	.3611-01	.9500	.1324-02	.1751-02	.1904	2.086	557.8
406	400.00	.75000	49.000	.2572-01	.3413-01	.3413-01	.9500	.1247-02	.1655-02	.1776	1.915	559.3
406	400.00	.80000	50.000	.2463-01	.3279-01	.3279-01	.9500	.1195-02	.1590-02	.1685	1.790	560.6
406	400.00	.85000	51.000	.9605-02	.1288-01	.1288-01	.9500	.4658-03	.6247-03	.6423-01	.7871	563.8
406	420.00	.28500	18.000	.3715-01	.4963-01	.4963-01	.9500	.1801-02	.2407-02	.2512	2.919	562.2
406	420.00	.33700	19.000	.5077-01	.6839-01	.6839-01	.9500	.2462-02	.3316-02	.3353	3.910	565.5
406	420.00	.39000	20.000	.4670-01	.6250-01	.6250-01	.9500	.2264-02	.3031-02	.3142	3.668	562.9
406	420.00	.42600	21.000	.4152-01	.5537-01	.5537-01	.9500	.2013-02	.2685-02	.2822	3.281	561.5
406	420.00	.47800	22.000	.3924-01	.5215-01	.5215-01	.9500	.1903-02	.2529-02	.2698	2.981	559.9
406	420.00	.53000	23.000	.3572-01	.4717-01	.4717-01	.9500	.1732-02	.2288-02	.2502	2.769	557.2
406	420.00	.56700	24.000	.3380-01	.4469-01	.4469-01	.9500	.1639-02	.2167-02	.2361	2.548	557.6
406	420.00	.62000	25.000	.3261-01	.4312-01	.4312-01	.9500	.1581-02	.2091-02	.2276	2.456	557.7
406	420.00	.67000	26.000	.2742-01	.3614-01	.3614-01	.9500	.1330-02	.1752-02	.1934	2.088	556.2
406	420.00	.70500	27.000	.2668-01	.3528-01	.3528-01	.9500	.1294-02	.1711-02	.1863	1.991	557.7
406	420.00	.75000	28.000	.2707-01	.3590-01	.3590-01	.9500	.1313-02	.1741-02	.1872	2.039	559.1
406	420.00	.80000	29.000	.3267-01	.4364-01	.4364-01	.9500	.1584-02	.2116-02	.2212	2.418	562.0
406	420.00	.82400	30.000	.1075-01	.1424-01	.1424-01	.9500	.5215-03	.6903-03	.7483-01	1.035	558.2
406	437.50	.27500	1.0000	.2122-01	.2796-01	.2796-01	.9500	.1029-02	.1356-02	.1497	1.542	556.2
406	442.00	.30000	2.0000	.1390-01	.1824-01	.1824-01	.9500	.6740-03	.8843-03	.9945-01	1.050	554.1
406	445.00	.32500	3.0000	.1390-01	.1818-01	.1818-01	.9500	.6739-03	.8815-03	.1004	1.026	552.7
406	445.00	.35000	4.0000	.2579-01	.3372-01	.3372-01	.9500	.1251-02	.1635-02	.1866	1.926	552.4
406	445.00	.37500	5.0000	.3323-01	.4359-01	.4359-01	.9500	.1611-02	.2114-02	.2378	2.486	554.1
406	445.00	.40000	6.0000	.3648-01	.4791-01	.4791-01	.9500	.1769-02	.2323-02	.2602	2.658	554.6

IH102 56-0/60-TS FUSELAGE (R4WV20)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
406	445.00	.42500	7.0000	.2940-01	.3867-01	.3867-01	.9500	.1426-02	.1875-02	.2087	2.151	555.3
406	445.00	.45000	8.0000	.2719-01	.3570-01	.3570-01	.9500	.1319-02	.1731-02	.1940	1.972	554.5
406	445.00	.47500	9.0000	.2501-01	.3257-01	.3257-01	.9500	.1213-02	.1579-02	.1832	1.857	550.6
406	445.00	.50000	10.000	.2238-01	.2925-01	.2925-01	.9500	.1085-02	.1418-02	.1622	1.636	552.2
406	445.00	.52500	11.000	.2407-01	.3149-01	.3149-01	.9500	.1167-02	.1527-02	.1738	1.752	552.8
406	445.00	.55000	12.000	.2181-01	.2844-01	.2844-01	.9500	.1057-02	.1379-02	.1590	1.590	551.3
406	445.00	.60000	13.000	.2017-01	.2629-01	.2629-01	.9500	.9780-03	.1275-02	.1474	1.487	551.0
406	445.00	.65000	14.000	.2282-01	.2986-01	.2986-01	.9500	.1106-02	.1448-02	.1646	1.659	552.9
406	445.00	.70000	15.000	.2252-01	.2958-01	.2958-01	.9500	.1092-02	.1434-02	.1606	1.561	554.6
406	445.00	.75000	16.000	.2127-01	.2796-01	.2796-01	.9500	.1031-02	.1356-02	.1511	1.522	555.1
406	445.00	.80000	17.000	.4498-01	.5995-01	.5995-01	.9500	.2181-02	.2907-02	.3065	2.944	561.1

BOTTOM CENTERLINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
566	1.070	3.010	-4.930	.0000	10.00	693.7	246.7	.2682	1.701	2318.	.2935-02	.1975-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
566	.1905-01	.1165-01

TEST DATA

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
566	.00000	.10000-02	273.00	.5663	.7671	.6076	.9870	.1079-01	.1158-01	1.429	11.73	561.2
566	.00000	.18000-02	274.00	.4759	.6341	.5089	.9870	.9068-02	.9697-02	1.261	10.27	554.6
566	.00000	.41000-02	275.00	.3588	.4705	.3824	.9870	.6836-02	.7286-02	.9984	8.015	547.6
566	.00000	.70000-02	276.00	.2746	.3549	.3182	.9697	.5233-02	.6063-02	.8022	6.394	540.4
566	.00000	.10300-01	277.00	.2330	.2998	.2871	.9577	.4440-02	.5470-02	.6917	5.540	537.9
566	.00000	.15000-01	278.00	.2035	.2615	.2615	.9500	.3878-02	.4983-02	.6066	4.792	537.3
566	.00000	.19000-01	279.00	.8193-01	.1054	.1102	.9425	.1561-02	.2100-02	.2429	2.340	538.1
566	.00000	.23200-01	280.00	.8263-01	.1067	.1128	.9407	.1574-02	.2149-02	.2420	2.573	539.9
566	.00000	.26300-01	281.00	.5405-01	.6965-01	.7395-01	.9399	.1030-02	.1409-02	.1594	1.874	538.9
566	.00000	.29900-01	282.00	.6176-01	.7960-01	.8536-01	.9383	.1177-02	.1626-02	.1822	1.769	538.9
566	.00000	.33900-01	283.00	.8056-01	.1036	.1115	.9376	.1535-02	.2124-02	.2396	2.318	537.6
566	.00000	.38100-01	284.00	.5535-01	.7113-01	.7690-01	.9368	.1055-02	.1465-02	.1649	1.603	537.3
566	.00000	.41400-01	285.00	.5685-01	.7300-01	.7913-01	.9364	.1083-02	.1508-02	.1698	1.650	536.9
566	.00000	.45200-01	286.00	.4901-01	.6302-01	.6845-01	.9361	.9339-03	.1304-02	.1457	1.357	537.6
566	.00000	.50300-01	287.00	.3393-01	.4377-01	.4777-01	.9356	.6465-03	.9101-03	.9972-01	.9681	539.4
566	.00000	.10000+00	288.00	.1242	.1609	.1772	.9345	.2367-02	.3376-02	.3597	2.866	541.7
566	.00000	.15000	289.00	.2023	.2610	.2868	.9345	.3855-02	.5464-02	.5943	4.423	539.5
566	.00000	.20000	290.00	.1067	.1359	.1483	.9347	.2034-02	.2826-02	.3290	2.837	531.9
566	.00000	.25000	291.00	.2174	.2815	.3092	.9348	.4142-02	.5891-02	.6310	5.156	541.3
566	.00000	.30000	292.00	.2247	.2908	.3193	.9348	.4282-02	.6083-02	.6542	5.309	540.9
566	.00000	.35000	293.00	.2145	.2768	.3036	.9348	.4086-02	.5785-02	.6293	5.383	539.7

IH102 83-0 BOTTOM CENTERLINE (R4W752)

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
566	.00000	.40000	294.00	.1887	.2429	.2662	.9348	.3595-02	.5072-02	.5583	4.520	538.4

IH102 83-0 BOTTOM CENTERLINE (R4W752)

BOTTOM CENTERLINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
558	3.529	3.010	-4.954	.3454-02	34.08	709.7	252.4	.9140	5.797	2344.	.9775-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
558	.3532-01	.6405-02

TEST DATA

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
558	.00000	.10000-02	273.00	.5517	.8154	.6023	.9870	.1948-01	.2127-01	2.137	17.21	600.0
558	.00000	.18000-02	274.00	.4656	.6574	.5039	.9870	.1644-01	.1779-01	2.000	16.03	588.0
558	.00000	.41000-02	275.00	.3625	.4896	.3888	.9870	.1280-01	.1373-01	1.751	13.88	572.9
558	.00000	.70000-02	276.00	.2839	.3732	.3320	.9697	.1003-01	.1173-01	1.486	11.72	561.4
558	.00000	.10300-01	277.00	.2326	.3028	.2894	.9577	.8215-02	.1022-01	1.257	9.976	556.6
558	.00000	.15000-01	278.00	.1934	.2506	.2506	.9500	.6830-02	.8851-02	1.061	8.312	554.3
558	.00000	.19900-01	279.00	.8608-01	.1107	.1157	.9424	.3040-02	.4086-02	.4853	4.646	550.0
558	.00000	.23200-01	280.00	.7430-01	.9593-01	.1014	.9407	.2624-02	.3581-02	.4131	4.364	552.3
558	.00000	.26300-01	281.00	.5743-01	.7401-01	.7858-01	.9399	.2028-02	.2775-02	.3214	3.755	551.2
558	.00000	.29900-01	282.00	.5333-01	.6876-01	.7375-01	.9383	.1883-02	.2605-02	.2978	2.874	551.6
558	.00000	.33800-01	283.00	.4604-01	.5933-01	.6391-01	.9376	.1626-02	.2257-02	.2575	2.474	551.3
558	.00000	.38100-01	284.00	.3405-01	.4393-01	.4756-01	.9368	.1202-02	.1680-02	.1898	1.831	551.9
558	.00000	.41400-01	285.00	.2539-01	.3275-01	.3556-01	.9364	.8967-03	.1256-02	.1416	1.366	551.8
558	.00000	.45200-01	286.00	.2043-01	.2639-01	.2871-01	.9361	.7214-03	.1014-02	.1134	1.048	552.5
558	.00000	.50300-01	287.00	.5399-02	.6999-02	.7653-02	.9356	.1907-03	.2703-03	.2961-01	.2853	554.4
558	.00000	.20000	290.00	.3634-01	.4589-01	.4991-01	.9347	.1283-02	.1763-02	.2188	1.879	539.2
558	.00000	.25000	291.00	.1120	.1493	.1660	.9348	.3956-02	.5863-02	.5626	4.537	567.5
558	.00000	.30000	292.00	.2274	.3041	.3388	.9348	.8031-02	.1197-01	1.130	9.038	569.0
558	.00000	.35000	293.00	.2350	.3136	.3491	.9348	.8300-02	.1233-01	1.175	9.909	568.1
558	.00000	.40000	294.00	.2416	.3200	.3549	.9348	.8534-02	.1253-01	1.237	9.883	564.7

IH102 83-0 BOTTOM CENTERLINE

BOTTOM CENTERLINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = 6.000 ELEVON = .0000
BOFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
562	3.525	3.010	-4.967	5.954	34.04	709.7	252.4	.9130	5.790	2344.	.9765-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
562	.3530-01	.6408-02

TEST DATA

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
562	.00000	.10000-02	273.00	.5573	.8341	.6099	.9870	.1967-01	.2153-01	2.104	16.92	602.7
562	.00000	.18000-02	274.00	.4676	.6665	.5069	.9870	.1650-01	.1789-01	1.962	15.70	590.8
562	.00000	.41000-02	275.00	.3606	.4905	.3872	.9870	.1273-01	.1367-01	1.705	13.49	575.7
562	.00000	.70000-02	276.00	.2801	.3705	.3287	.9697	.9887-02	.1160-01	1.438	11.33	564.2
562	.00000	.10300-01	277.00	.2266	.2965	.2830	.9577	.7997-02	.9991-02	1.203	9.535	559.2
562	.00000	.15000-01	278.00	.1940	.2529	.2529	.9500	.6849-02	.8926-02	1.044	8.166	557.2
562	.00000	.19900-01	279.00	.8813-01	.1135	.1187	.9424	.3111-02	.4190-02	.4933	4.720	551.1
562	.00000	.23200-01	280.00	.7572-01	.9783-01	.1034	.9407	.2673-02	.3651-02	.4197	4.434	552.6
562	.00000	.26300-01	281.00	.6000-01	.7733-01	.8212-01	.9399	.2118-02	.2899-02	.3354	3.918	551.3
562	.00000	.29900-01	282.00	.5981-01	.7707-01	.8265-01	.9383	.2111-02	.2917-02	.3345	3.228	551.2
562	.00000	.33800-01	283.00	.5417-01	.6971-01	.7506-01	.9376	.1912-02	.2649-02	.3044	2.926	550.5
562	.00000	.38100-01	284.00	.4503-01	.5789-01	.6259-01	.9368	.1590-02	.2209-02	.2540	2.453	549.9
562	.00000	.41400-01	285.00	.3779-01	.4855-01	.5263-01	.9364	.1334-02	.1858-02	.2136	2.063	549.6
562	.00000	.45200-01	286.00	.3142-01	.4045-01	.4396-01	.9361	.1109-02	.1552-02	.1762	1.630	550.7
562	.00000	.50300-01	287.00	.1925-01	.2487-01	.2716-01	.9356	.6796-03	.9586-03	.1068	1.030	552.5
562	.00000	.10000+00	288.00	.2156-01	.2825-01	.3126-01	.9345	.7609-03	.1103-02	.1139	.8992	559.9
562	.00000	.15000	289.00	.2770-01	.3609-01	.3982-01	.9345	.9778-03	.1406-02	.1493	1.101	557.0
562	.00000	.20000	290.00	.5269-01	.6637-01	.7211-01	.9347	.1860-02	.2545-02	.3201	2.752	537.5
562	.00000	.25000	291.00	.7007-01	.9267-01	.1027	.9348	.2473-02	.3626-02	.3598	2.907	564.2
562	.00000	.30000	292.00	.9539-01	.1268	.1408	.9348	.3367-02	.4971-02	.4828	3.868	566.3
562	.00000	.35000	293.00	.9395-01	.1248	.1386	.9348	.3316-02	.4893-02	.4762	4.020	566.1

IH102 83-0 BOTTOM CENTERLINE (R4W753)

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
562	.00000	.40000	294.00	.1382	.1826	.2024	.9348	.4878-02	.7143-02	.7119	5.690	563.7

BOTTOM CENTERLINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
564	1.065	3.010	.3400-01	.1187-04	10.01	696.7	247.7	.2686	1.703	2323.	.2926-02	.1383-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
564	.1908-01	.1168-01

TEST DATA

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
564	.00000	.10000-02	273.00	.6267	.8879	.6786	.9870	.1196-01	.1295-01	1.416	11.53	578.3
564	.00000	.18000-02	274.00	.5852	.8159	.6316	.9870	.1117-01	.1205-01	1.376	11.10	573.5
564	.00000	.41000-02	275.00	.5229	.7154	.5622	.9870	.9978-02	.1073-01	1.292	10.27	567.2
564	.00000	.70000-02	276.00	.4440	.5993	.4999	.9784	.8472-02	.9540-02	1.138	8.976	562.3
564	.00000	.10300-01	277.00	.4032	.5409	.4891	.9655	.7693-02	.9333-02	1.052	8.336	559.9
564	.00000	.15000-01	278.00	.3950	.5288	.5288	.9500	.7537-02	.1009-01	1.038	8.108	559.0
564	.00000	.19900-01	279.00	.2798	.3717	.3774	.9477	.5339-02	.7202-02	.7523	7.181	555.8
564	.00000	.23200-01	280.00	.2789	.3705	.3820	.9454	.5323-02	.7290-02	.7500	7.910	555.8
564	.00000	.26300-01	281.00	.2576	.3403	.3531	.9444	.4915-02	.6737-02	.7045	8.222	553.3
564	.00000	.29900-01	282.00	.3257	.4293	.4519	.9422	.6214-02	.8623-02	.8966	8.648	552.4
564	.00000	.33800-01	283.00	.3134	.4115	.4358	.9411	.5981-02	.8315-02	.8740	8.402	550.5
564	.00000	.38100-01	284.00	.3054	.4000	.4264	.9400	.5828-02	.8137-02	.8587	8.295	549.3
564	.00000	.41400-01	285.00	.3017	.3935	.4211	.9392	.5757-02	.8035-02	.8596	8.312	547.4
564	.00000	.45200-01	286.00	.3109	.4056	.4352	.9388	.5933-02	.8305-02	.8852	8.203	547.5
564	.00000	.50300-01	287.00	.3055	.3991	.4311	.9379	.5830-02	.8227-02	.8662	8.373	548.1
564	.00000	.10000+00	288.00	.2503	.3219	.3520	.9350	.4777-02	.6717-02	.7487	5.969	539.9
564	.00000	.15000	289.00	.2583	.3317	.3633	.9347	.4928-02	.6932-02	.7754	5.772	539.3
564	.00000	.20000	290.00	.9599-01	.1220	.1332	.9346	.1832-02	.2541-02	.2990	2.576	533.4
564	.00000	.25000	291.00	.2478	.3190	.3502	.9345	.4728-02	.6682-02	.7376	6.029	540.7
564	.00000	.30000	292.00	.2170	.2791	.3063	.9345	.4140-02	.5844-02	.6475	5.256	540.3
564	.00000	.35000	293.00	.1757	.2260	.2479	.9345	.3352-02	.4731-02	.5247	4.488	540.1

IH102 83-0 BOTTOM CENTERLINE (R4W754)

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
564	.0000	.40000	294.00	.1349	.1730	.1896	.9345	.2574-02	.3618-02	.4071	3.295	538.5

BOTTOM CENTERLINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
556	3.542	3.010	-.6000-02	.8378-05	34.00	706.7	251.3	.9117	5.782	2339.	.9792-02	.2010-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
556	.3525-01	.6395-02

TEST DATA

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
556	.00000	.10000-02	273.00	.5844	.9549	.6500	.9870	.2060-01	.2291-01	1.876	14.99	615.6
556	.00000	.18000-02	274.00	.5049	.7766	.5554	.9870	.1780-01	.1958-01	1.797	14.28	605.7
556	.00000	.41000-02	275.00	.3963	.5742	.4310	.9870	.1397-01	.1519-01	1.593	12.51	592.6
556	.00000	.70000-02	276.00	.3184	.4442	.3629	.9783	.1122-01	.1279-01	1.400	10.93	581.9
556	.00000	.10300-01	277.00	.2683	.3684	.3304	.9654	.9457-02	.1164-01	1.230	9.661	576.6
556	.00000	.15000-01	278.00	.2288	.3112	.3112	.9500	.8063-02	.1097-01	1.076	8.346	573.2
556	.00000	.19900-01	279.00	.1081	.1449	.1473	.9476	.3811-02	.5193-02	.5299	5.029	567.6
556	.00000	.23200-01	280.00	.9026-01	.1215	.1255	.9454	.3181-02	.4423-02	.4375	4.583	569.1
556	.00000	.26300-01	281.00	.7017-01	.9410-01	.9788-01	.9443	.2473-02	.3450-02	.3436	3.981	567.7
556	.00000	.29900-01	282.00	.6551-01	.8777-01	.9274-01	.9421	.2309-02	.3269-02	.3217	3.080	567.3
556	.00000	.33800-01	283.00	.5769-01	.7710-01	.8203-01	.9411	.2033-02	.2891-02	.2853	2.721	566.4
556	.00000	.38100-01	284.00	.4460-01	.5953-01	.6382-01	.9400	.1572-02	.2250-02	.2215	2.122	565.8
556	.00000	.41400-01	285.00	.3334-01	.4443-01	.4787-01	.9392	.1175-02	.1687-02	.1663	1.594	565.1
556	.00000	.45200-01	286.00	.2929-01	.3899-01	.4212-01	.9388	.1032-02	.1484-02	.1466	1.347	564.7
556	.00000	.50300-01	287.00	.1921-01	.2556-01	.2780-01	.9378	.6772-03	.9797-03	.9634-01	.9236	564.4
556	.00000	.20000	290.00	.2718-01	.3462-01	.3781-01	.9346	.9581-03	.1333-02	.1576	1.352	542.2
556	.00000	.25000	291.00	.7433-01	.9934-01	.1109	.9345	.2620-02	.3909-02	.3677	2.967	566.3
556	.00000	.30000	292.00	.1084	.1456	.1629	.9345	.3820-02	.5743-02	.5280	4.226	568.4
556	.00000	.35000	293.00	.1431	.1926	.2158	.9345	.5042-02	.7605-02	.6923	5.835	569.4
556	.00000	.40000	294.00	.1866	.2499	.2733	.9345	.6575-02	.9846-02	.9161	7.308	567.4

IH102 83-0 BOTTOM CENTERLINE (R4W755)

BOTTOM CENTERLINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = 6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
560	3.527	3.010	-.6256-02	5.952	34.06	709.7	252.4	.9135	5.794	2344.	.9770-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
560	.3531-01	.6407-02

TEST DATA

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
560	.00000	.10000-02	273.00	.5666	.8887	.6255	.9870	.2000-01	.2208-01	1.958	15.68	611.8
560	.00000	.18000-02	274.00	.4928	.7307	.5384	.9870	.1740-01	.1901-01	1.896	15.10	600.7
560	.00000	.41000-02	275.00	.3965	.5559	.4285	.9870	.1400-01	.1513-01	1.733	13.65	585.9
560	.00000	.70000-02	276.00	.3205	.4339	.3614	.9783	.1132-01	.1276-01	1.536	12.04	573.9
560	.00000	.10300-01	277.00	.2691	.3593	.3256	.9655	.9502-02	.1150-01	1.344	10.60	568.3
560	.00000	.15000-01	278.00	.2343	.3103	.3103	.9500	.8272-02	.1096-01	1.198	9.336	564.8
560	.00000	.19900-01	279.00	.1180	.1541	.1564	.9476	4166-02	.5522-02	.6303	6.009	558.4
560	.00000	.23200-01	280.00	.1010	.1322	.1361	.9454	.3567-02	.4805-02	.5365	5.648	559.3
560	.00000	.26300-01	281.00	.8303-01	.1082	.1120	.9443	.2931-02	.3955-02	.4475	5.213	557.0
560	.00000	.29900-01	282.00	.8420-01	.1095	.1150	.9421	.2973-02	.4059-02	.4561	4.391	556.2
560	.00000	.33800-01	283.00	.7411-01	.9629-01	.1017	.9411	.2617-02	.3591-02	.4031	3.865	555.6
560	.00000	.38100-01	284.00	.6179-01	.8015-01	.8524-01	.9400	.2182-02	.3009-02	.3379	3.255	554.8
560	.00000	.41400-01	285.00	.4787-01	.6203-01	.6625-01	.9392	.1690-02	.2339-02	.2628	2.532	554.2
560	.00000	.45200-01	286.00	.4182-01	.5424-01	.5810-01	.9388	.1477-02	.2051-02	.2288	2.113	554.7
560	.00000	.50300-01	287.00	.2671-01	.3473-01	.3747-01	.9378	.9430-03	.1323-02	.1448	1.395	556.1
560	.00000	.10000+00	288.00	.5599-01	.7356-01	.8120-01	.9350	.1977-02	.2867-02	.2937	2.317	561.1
560	.00000	.15000	289.00	.1030	.1353	.1497	.9347	.3638-02	.5284-02	.5410	3.983	561.0
560	.00000	.20000	290.00	.4900-01	.6178-01	.6718-01	.9346	.1730-02	.2372-02	.2967	2.550	538.2
560	.00000	.25000	291.00	.1001	.1331	.1482	.9345	.3534-02	.5234-02	.5059	4.082	566.5
560	.00000	.30000	292.00	.8408-01	.1123	.1254	.9345	.2968-02	.4428-02	.4186	3.349	568.7
560	.00000	.35000	293.00	.6611-01	.8837-01	.9866-01	.9345	.2334-02	.3483-02	.3288	2.772	568.8

IH102 83-0 BOTTOM CENTERLINE (R4W755)

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
560	.00000	.40000	294.00	.7647-01	.1019	.1136	.9345	.2700-02	.4011-02	.3838	3.062	567.5

IH102 83-0 BOTTOM CENTERLINE (R4W756)

BOTTOM CENTERLINE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
570	3.520	4.020	-4.944	.0000	58.14	710.7	167.9	.3728	4.217	2554.	.5992-02	.1351-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
570	.3015-01	.8187-02

TEST DATA

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
570	.00000	.10000-02	273.00	.5507	.7809	.5964	.9870	.1661-01	.1798-01	2.002	16.20	590.1
570	.00000	.18000-02	274.00	.4605	.6300	.4951	.9870	.1388-01	.1493-01	1.834	14.76	578.6
570	.00000	.41000-02	275.00	.3488	.4609	.3724	.9870	.1052-01	.1123-01	1.538	12.24	564.5
570	.00000	.70000-02	276.00	.2628	.3398	.3196	.9608	.7923-02	.9635-02	1.242	9.835	553.9
570	.00000	.10300-01	277.00	.2095	.2697	.2720	.9486	.6317-02	.8200-02	1.006	8.001	551.5
570	.00000	.15000-01	278.00	.1704	.2190	.2190	.9500	.5137-02	.6604-02	.8217	6.447	550.7
570	.00000	.19900-01	279.00	.5155-01	.6676-01	.7466-01	.9320	.1554-02	.2251-02	.2424	2.316	554.7
570	.00000	.23200-01	280.00	.5547-01	.7190-01	.8155-01	.9300	.1672-02	.2459-02	.2600	2.743	555.2
570	.00000	.26300-01	281.00	.3816-01	.4929-01	.5614-01	.9291	.1151-02	.1693-02	.1810	2.112	553.4
570	.00000	.29900-01	282.00	.3719-01	.4820-01	.5574-01	.9272	.1121-02	.1681-02	.1744	1.680	555.1
570	.00000	.33800-01	283.00	.3963-01	.5137-01	.5978-01	.9263	.1195-02	.1803-02	.1858	1.782	555.2
570	.00000	.38100-01	284.00	.2838-01	.3684-01	.4319-01	.9253	.8557-03	.1302-02	.1324	1.275	555.9
570	.00000	.41400-01	285.00	.2064-01	.2682-01	.3162-01	.9247	.6223-03	.9533-03	.9588-01	.9229	556.6
570	.00000	.45200-01	286.00	.1098-01	.1430-01	.1692-01	.9244	.3310-03	.5102-03	.5065-01	.4670	557.7
570	.00000	.15000	289.00	.2137	.2764	.3304	.9221	.6445-02	.9964-02	1.011	7.467	553.9
570	.00000	.20000	290.00	.7449-01	.9353-01	.1090	.9223	.2246-02	.3286-02	.3920	3.372	536.2
570	.00000	.25000	291.00	.2347	.3052	.3655	.9225	.7078-02	.1102-01	1.090	8.836	556.7
570	.00000	.30000	292.00	.2515	.3266	.3907	.9225	.7585-02	.1178-01	1.172	9.440	556.1
570	.00000	.35000	293.00	.2342	.3038	.3631	.9225	.7061-02	.1095-01	1.095	9.294	555.6
570	.00000	.40000	294.00	.2203	.2845	.3388	.9225	.6642-02	.1022-01	1.045	8.398	553.3

IH102 83-0 BOTTOM CENTERLINE (R4W757)

BOTTOM CENTERLINE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = 6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
574	3.506	4.020	-5.030	6.032	58.03	711.7	168.2	.3722	4.210	2556.	.5973-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
574	.3013-01	.8202-02

TEST DATA

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
574	.00000	.10000-02	273.00	.5539	.7888	.6004	.9870	.1669-01	.1809-01	1.995	16.13	592.2
574	.00000	.18000-02	274.00	.4616	.6334	.4966	.9870	.1391-01	.1496-01	1.825	14.68	580.5
574	.00000	.41000-02	275.00	.3468	.4589	.3703	.9870	.1045-01	.1116-01	1.521	12.10	566.1
574	.00000	.70000-02	276.00	.2593	.3356	.3158	.9607	.7814-02	.9516-02	1.223	9.674	555.2
574	.00000	.10300-01	277.00	.2068	.2662	.2686	.9484	.6231-02	.8094-02	.9931	7.897	552.3
574	.00000	.15000-01	278.00	.1730	.2219	.2219	.9500	.5212-02	.6688-02	.8402	6.593	550.5
574	.00000	.19900-01	279.00	.6880-01	.8840-01	.9854-01	.9320	.2073-02	.2969-02	.3326	3.182	551.2
574	.00000	.23200-01	280.00	.6599-01	.8469-01	.9554-01	.9299	.1989-02	.2879-02	.3206	3.390	550.5
574	.00000	.26300-01	281.00	.4911-01	.6270-01	.7093-01	.9290	.1480-02	.2137-02	.2431	2.845	547.4
574	.00000	.29900-01	282.00	.4403-01	.5616-01	.6428-01	.9271	.1327-02	.1937-02	.2186	2.114	546.9
574	.00000	.33800-01	283.00	.4026-01	.5131-01	.5903-01	.9262	.1213-02	.1779-02	.2003	1.929	546.5
574	.00000	.38100-01	284.00	.3337-01	.4247-01	.4909-01	.9253	.1006-02	.1479-02	.1671	1.617	545.5
574	.00000	.41400-01	285.00	.2649-01	.3368-01	.3905-01	.9247	.7983-03	.1177-02	.1330	1.288	545.0
574	.00000	.45200-01	286.00	.2178-01	.2774-01	.3228-01	.9243	.6563-03	.9728-03	.1087	1.008	546.1
574	.00000	.50300-01	287.00	.1181-01	.1508-01	.1765-01	.9236	.3560-03	.5319-03	.5854-01	.5661	547.2
574	.00000	.20000	290.00	.5512-01	.6895-01	.8007-01	.9223	.1661-02	.2413-02	.2947	2.538	534.2
574	.00000	.25000	291.00	.9326-01	.1204	.1433	.9225	.2810-02	.4317-02	.4438	3.604	553.7
574	.00000	.30000	292.00	.1473	.1903	.2266	.9225	.4439-02	.6828-02	.6993	5.636	554.1
574	.00000	.35000	293.00	.1482	.1915	.2280	.9225	.4466-02	.6870-02	.7032	5.972	554.2
574	.00000	.40000	294.00	.1579	.2037	.2422	.9225	.4758-02	.7298-02	.7536	6.055	553.3

IH102 83-0 BOTTOM CENTERLINE (R4W758)

BOTTOM CENTERLINE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
568	3.503	4.020	-.1200-01	.0000	58.11	712.7	168.4	.3726	4.215	2557.	.5972-02	.1355-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
568	.3016-01	.8204-02

TEST DATA

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
568	.00000	.10000-02	273.00	.5663	.8615	.6217	.9870	.1708-01	.1875-01	1.776	14.24	608.7
568	.00000	.18000-02	274.00	.4828	.7026	.5255	.9870	.1456-01	.1585-01	1.658	13.22	598.8
568	.00000	.41000-02	275.00	.3775	.5248	.4072	.9870	.1139-01	.1228-01	1.446	11.39	585.7
568	.00000	.70000-02	276.00	.2957	.3987	.3514	.9693	.8918-02	.1060-01	1.230	9.639	574.7
568	.00000	.10300-01	277.00	.2471	.3289	.3154	.9565	.7453-02	.9512-02	1.068	8.420	569.4
568	.00000	.15000-01	278.00	.2069	.2741	.2741	.9500	.6240-02	.8268-02	.9069	7.056	567.3
568	.00000	.19900-01	279.00	.8543-01	.1112	.1200	.9378	.2577-02	.3619-02	.3964	3.778	558.8
568	.00000	.23200-01	280.00	.7711-01	.1006	.1105	.9354	.2326-02	.3333-02	.3545	3.731	560.2
568	.00000	.26300-01	281.00	.6022-01	.7819-01	.8634-01	.9342	.1816-02	.2604-02	.2816	3.280	557.6
568	.00000	.29900-01	282.00	.5819-01	.7545-01	.8466-01	.9317	.1755-02	.2553-02	.2734	2.631	556.9
568	.00000	.33800-01	283.00	.5580-01	.7215-01	.8148-01	.9305	.1683-02	.2457-02	.2647	2.538	555.4
568	.00000	.38100-01	284.00	.4722-01	.6086-01	.6921-01	.9291	.1424-02	.2087-02	.2264	2.182	553.7
568	.00000	.41400-01	285.00	.3957-01	.5094-01	.5822-01	.9282	.1193-02	.1756-02	.1906	1.837	553.0
568	.00000	.45200-01	286.00	.3524-01	.4534-01	.5196-01	.9277	.1063-02	.1567-02	.1700	1.571	552.7
568	.00000	.50300-01	287.00	.1991-01	.2566-01	.2967-01	.9266	.6005-03	.8950-03	.9550-01	.9205	553.6
568	.00000	.20000	290.00	.3677-01	.4616-01	.5381-01	.9221	.1109-02	.1623-02	.1943	1.671	537.4
568	.00000	.25000	291.00	.8622-01	.1114	.1332	.9220	.2600-02	.4016-02	.4099	3.326	555.1
568	.00000	.30000	292.00	.2558	.3313	.3967	.9220	.7715-02	.1196-01	1.207	9.721	556.2
568	.00000	.35000	293.00	.3187	.4125	.4939	.9220	.9611-02	.1489-01	1.506	12.77	556.0
568	.00000	.40000	294.00	.3227	.4158	.4959	.9220	.9733-02	.1495-01	1.549	12.44	553.5

BOTTOM CENTERLINE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = 6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
572	3.517	4.020	-.4214-02	6.014	58.08	710.7	167.9	.3725	4.214	2554.	.5987-02	.1351-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
572	.3014-01	.8191-02

TEST DATA

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
572	.00000	.10000-02	273.00	.5685	.8269	.6188	.9870	.1713-01	.1365-01	1.949	15.72	596.9
572	.00000	.18000-02	274.00	.4818	.6736	.5203	.9870	.1452-01	.1568-01	1.812	14.53	585.9
572	.00000	.41000-02	275.00	.3811	.5119	.4082	.9870	.1148-01	.1230-01	1.597	12.67	571.6
572	.00000	.70000-02	276.00	.2997	.3923	.3504	.9693	.9033-02	.1056-01	1.360	10.74	560.1
572	.00000	.10300-01	277.00	.2457	.3186	.3067	.9565	.7406-02	.9244-02	1.151	9.141	555.2
572	.00000	.15000-01	278.00	.2163	.2798	.2798	.9500	.6519-02	.8432-02	1.021	7.995	554.1
572	.00000	.19900-01	279.00	.1013	.1314	.1417	.9378	.3053-02	.4271-02	.4731	4.518	555.7
572	.00000	.23200-01	280.00	.9916-01	.1280	.1400	.9354	.2989-02	.4218-02	.4709	4.973	553.1
572	.00000	.26300-01	281.00	.7592-01	.9732-01	.1068	.9342	.2288-02	.3220-02	.3697	4.324	549.1
572	.00000	.29900-01	282.00	.7303-01	.9344-01	.1041	.9317	.2201-02	.3138-02	.3581	3.461	548.0
572	.00000	.33800-01	283.00	.6374-01	.8136-01	.9121-01	.9305	.1921-02	.2749-02	.3152	3.036	546.6
572	.00000	.38100-01	284.00	.5367-01	.6838-01	.7721-01	.9291	.1618-02	.2327-02	.2672	2.586	545.5
572	.00000	.41400-01	285.00	.4609-01	.5866-01	.6655-01	.9283	.1389-02	.2006-02	.2304	2.231	544.8
572	.00000	.45200-01	286.00	.4153-01	.5295-01	.6032-01	.9278	.1252-02	.1818-02	.2063	1.913	545.9
572	.00000	.50300-01	287.00	.2955-01	.3776-01	.4341-01	.9266	.8907-03	.1308-02	.1456	1.408	547.2
572	.00000	.15000	289.00	.2783-02	.3546-02	.4177-02	.9224	.8388-04	.1259-03	.1386-01	.1029	545.4
572	.00000	.20000	290.00	.4069-01	.5092-01	.5920-01	.9221	.1226-02	.1784-02	.2170	1.869	533.7
572	.00000	.25000	291.00	.4067-01	.5239-01	.6244-01	.9220	.1226-02	.1882-02	.1948	1.584	551.7
572	.00000	.30000	292.00	.8715-01	.1124	.1340	.9220	.2626-02	.4040-02	.4160	3.356	552.3
572	.00000	.35000	293.00	.8517-01	.1097	.1307	.9220	.2567-02	.3940-02	.4081	3.470	551.7
572	.00000	.40000	294.00	.8802-01	.1133	.1349	.9220	.2653-02	.4065-02	.4229	3.401	551.2

IH102 83-0 MHB LINE (R4W652)

MHB LINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
566	1.070	3.010	-4.930	.0000	10.00	693.7	246.7	.2682	1.701	2318.	.2935-02	.1975-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
566	.1905-01	.1165-01

TEST DATA

RUN NUMBER	DUMMY	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
566	1.0000	.25000-01	296.00	.1830	.2359	.2359	.9500	.3487-02	.4494-02	.5400	4.131	538.8
566	1.0000	.50000-01	297.00	.1147	.1476	.1476	.9500	.2185-02	.2813-02	.3394	2.830	538.3
566	1.0000	.75000-01	298.00	.5511-01	.7085-01	.7085-01	.9500	.1050-02	.1350-02	.1639	1.357	537.6
566	1.0000	.10000+00	299.00	.9878-01	.1269	.1269	.9500	.1882-02	.2418-02	.2946	2.369	537.2
566	1.0000	.12500	300.00	.1121	.1443	.1443	.9500	.2136-02	.2749-02	.3322	2.946	538.1
566	1.0000	.15000	301.00	.1274	.1639	.1639	.9500	.2428-02	.3123-02	.3786	3.022	537.8
566	1.0000	.17500	302.00	.1719	.2193	.2193	.9500	.3276-02	.4179-02	.5258	3.849	533.2
566	1.0000	.20000	303.00	.1716	.2196	.2196	.9500	.3270-02	.4184-02	.5192	4.151	534.9
566	1.0000	.22500	304.00	.1167	.1502	.1502	.9500	.2223-02	.2862-02	.3457	3.769	538.2
566	1.0000	.25000	305.00	.1246	.1598	.1598	.9500	.2375-02	.3045-02	.3745	2.960	536.0
566	1.0000	.27500	306.00	.1308	.1675	.1675	.9500	.2493-02	.3191-02	.3951	2.600	535.2
566	1.0000	.32500	307.00	.1408	.1799	.1799	.9500	.2683-02	.3428-02	.4278	3.910	534.2
566	1.0000	.37500	308.00	.1314	.1666	.1666	.9500	.2503-02	.3175-02	.4106	3.177	529.7
566	1.0000	.42500	309.00	.1286	.1651	.1651	.9500	.2450-02	.3146-02	.3838	2.880	537.0

MHB LINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
558	3.529	3.010	-4.954	.3454-02	34.08	709.7	252.4	.9140	5.797	2344.	.9775-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
558	.3532-01	.6405-02

TEST DATA

RUN NUMBER	DUMMY	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
558	1.0000	.25000-01	296.00	.1659	.2165	.2165	.9500	.5860-02	.7647-02	.8896	6.740	557.9
558	1.0000	.50000-01	297.00	.1022	.1331	.1331	.9500	.3610-02	.4700-02	.5525	4.564	556.6
558	1.0000	.75000-01	298.00	.5680-01	.7342-01	.7342-01	.9500	.2006-02	.2593-02	.3144	2.583	552.9
558	1.0000	.10000+00	299.00	.4023-01	.5225-01	.5225-01	.9500	.1421-02	.1845-02	.2192	1.747	555.4
558	1.0000	.12500	300.00	.3497-01	.4569-01	.4569-01	.9500	.1235-02	.1614-02	.1869	1.640	558.4
558	1.0000	.15000	301.00	.1242	.1636	.1636	.9500	.4384-02	.5776-02	.6457	5.090	562.4
558	1.0000	.17500	302.00	.1758	.2299	.2299	.9500	.6208-02	.8120-02	.9353	6.759	559.0
558	1.0000	.20000	303.00	.1560	.2055	.2055	.9500	.5510-02	.7257-02	.8124	6.405	562.2
558	1.0000	.22500	304.00	.8963-01	.1182	.1182	.9500	.3165-02	.4174-02	.4646	5.001	562.9
558	1.0000	.25000	305.00	.6992-01	.8981-01	.8981-01	.9500	.2469-02	.3172-02	.3957	3.107	549.4
558	1.0000	.27500	306.00	.8037-01	.1027	.1027	.9500	.2838-02	.3628-02	.4628	3.029	546.6
558	1.0000	.32500	307.00	.1004	.1295	.1295	.9500	.3545-02	.4574-02	.5592	5.065	551.9
558	1.0000	.37500	308.00	.1049	.1333	.1333	.9500	.3704-02	.4709-02	.6156	4.731	543.5
558	1.0000	.42500	309.00	.8591-01	.1105	.1105	.9500	.3034-02	.3903-02	.4837	3.605	550.3

MHB LINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = 6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
562	3.525	3.010	-4.967	5.954	34.04	709.7	252.4	.9130	5.790	2344.	.9765-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
562	.3530-01	.6408-02

TEST DATA

RUN NUMBER	DUMMY	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
562	1.0000	.25000-01	296.00	.2121	.2820	.2820	.9500	.7487-02	.9953-02	1.072	8.090	566.4
562	1.0000	.50000-01	297.00	.1118	.1487	.1487	.9500	.3945-02	.5249-02	.5633	4.629	566.9
562	1.0000	.75000-01	298.00	.6717-01	.8833-01	.8833-01	.9500	.2371-02	.3118-02	.3511	2.872	561.6
562	1.0000	.10000+00	299.00	.6245-01	.8173-01	.8173-01	.9500	.2204-02	.2885-02	.3316	2.637	559.2
562	1.0000	.12500	300.00	.5029-01	.6568-01	.6568-01	.9500	.1775-02	.2318-02	.2688	2.360	558.2
562	1.0000	.15000	301.00	.9403-01	.1229	.1229	.9500	.3319-02	.4339-02	.5014	3.960	558.6
562	1.0000	.17500	302.00	.2078	.2729	.2729	.9500	.7334-02	.9631-02	1.091	7.875	560.9
562	1.0000	.20000	303.00	.1987	.2640	.2640	.9500	.7014-02	.9317-02	1.007	7.921	566.1
562	1.0000	.22500	304.00	.1286	.1703	.1703	.9500	.4537-02	.6012-02	.6565	7.060	565.0
562	1.0000	.25000	305.00	.1054	.1356	.1356	.9500	.3720-02	.4788-02	.5916	4.642	550.6
562	1.0000	.27500	306.00	.1114	.1426	.1426	.9500	.3933-02	.5035-02	.6381	4.174	547.4
562	1.0000	.32500	307.00	.1203	.1562	.1562	.9500	.4247-02	.5513-02	.6563	5.935	555.1
562	1.0000	.37500	308.00	.1239	.1587	.1587	.9500	.4375-02	.5603-02	.7082	5.430	547.8
562	1.0000	.42500	309.00	.1140	.1474	.1474	.9500	.4026-02	.5202-02	.6316	4.701	552.8

MHB LINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
564	1.065	3.010	.3400-01	.1187-04	10.01	696.7	247.7	.2686	1.703	2323.	.2926-02	.1983-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
564	.1908-01	.1168-01

TEST DATA

RUN NUMBER	DUMMY	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
564	1.0000	.25000-01	296.00	.2053	.2690	.2690	.9500	.3917-02	.5133-02	.5758	4.381	549.6
564	1.0000	.50000-01	297.00	.2005	.2621	.2621	.9500	.3826-02	.5001-02	.5672	4.705	548.4
564	1.0000	.75000-01	298.00	.1769	.2292	.2292	.9500	.3376-02	.4373-02	.5157	4.255	543.9
564	1.0000	.10000+00	299.00	.2287	.2945	.2945	.9500	.4364-02	.5620-02	.6803	5.461	540.8
564	1.0000	.12500	300.00	.2360	.3041	.3041	.9500	.4503-02	.5803-02	.6998	6.196	541.2
564	1.0000	.15000	301.00	.2372	.3061	.3061	.9500	.4525-02	.5840-02	.7004	5.579	541.9
564	1.0000	.17500	302.00	.2285	.2942	.2942	.9500	.4361-02	.5614-02	.6802	4.960	540.7
564	1.0000	.20000	303.00	.2312	.2980	.2980	.9500	.4411-02	.5687-02	.6848	5.456	541.4
564	1.0000	.22500	304.00	.1566	.2015	.2015	.9500	.2988-02	.3844-02	.4670	5.085	540.4
564	1.0000	.25000	305.00	.1319	.1687	.1687	.9500	.2517-02	.3219-02	.4025	3.180	536.8
564	1.0000	.27500	306.00	.1399	.1786	.1786	.9500	.2669-02	.3407-02	.4289	2.822	536.0
564	1.0000	.32500	307.00	.1400	.1793	.1793	.9500	.2671-02	.3421-02	.4245	3.873	537.7
564	1.0000	.37500	308.00	.1488	.1893	.1893	.9500	.2839-02	.3612-02	.4622	3.569	533.9
564	1.0000	.42500	309.00	.1551	.1983	.1983	.9500	.2960-02	.3784-02	.4736	3.554	536.7

IH102 83-0 MHB LINE (R4W654)

MHB LINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
556	3.542	3.010	-.6000-02	.8378-05	34.00	706.7	251.3	.9117	5.782	2339.	.9792-02	.2010-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
556	.3525-01	.6395-02

TEST DATA

RUN NUMBER	DUMMY	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
556	1.0000	.25000-01	296.00	.1691	.2277	.2277	.9500	.5960-02	.8027-02	.8180	6.162	569.4
556	1.0000	.50000-01	297.00	.9907-01	.1342	.1342	.9500	.3492-02	.4731-02	.4711	3.862	571.8
556	1.0000	.75000-01	298.00	.8807-01	.1179	.1179	.9500	.3104-02	.4154-02	.4339	3.539	566.9
556	1.0000	.10000+00	299.00	.9210-01	.1227	.1227	.9500	.3246-02	.4326-02	.4594	3.643	565.1
556	1.0000	.12500	300.00	.7698-01	.1027	.1027	.9500	.2713-02	.3618-02	.3834	3.353	565.4
556	1.0000	.15000	301.00	.9272-01	.1234	.1234	.9500	.3268-02	.4349-02	.4647	3.660	564.5
556	1.0000	.17500	302.00	.1039	.1374	.1374	.9500	.3661-02	.4843-02	.5301	3.825	561.9
556	1.0000	.20000	303.00	.1074	.1430	.1430	.9500	.3786-02	.5039-02	.5380	4.237	564.6
556	1.0000	.22500	304.00	.5284-01	.7005-01	.7005-01	.9500	.1862-02	.2469-02	.2679	2.884	562.8
556	1.0000	.25000	305.00	.5008-01	.6485-01	.6485-01	.9500	.1765-02	.2286-02	.2739	2.148	551.5
556	1.0000	.27500	306.00	.6856-01	.8851-01	.8851-01	.9500	.2416-02	.3120-02	.3786	2.474	550.0
556	1.0000	.32500	307.00	.7135-01	.9331-01	.9331-01	.9500	.2515-02	.3289-02	.3775	3.411	556.5
556	1.0000	.37500	308.00	.7747-01	.1002	.1002	.9500	.2730-02	.3533-02	.4247	3.251	551.1
556	1.0000	.42500	309.00	.6858-01	.8935-01	.8935-01	.9500	.2417-02	.3149-02	.3674	2.732	554.7

MHB LINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = 6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
560	3.527	3.010	-.6256-02	5.952	34.06	709.7	252.4	.9135	5.794	2344.	.9770-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
560	.3531-01	.6407-02

TEST DATA

RUN NUMBER	DUMMY	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
560	1.0000	.25000-01	296.00	.2296	.3096	.3096	.9500	.8107-02	.1093-01	1.113	8.372	572.4
560	1.0000	.50000-01	297.00	.2185	.3024	.3024	.9500	.7716-02	.1068-01	.9871	8.052	581.7
560	1.0000	.75000-01	298.00	.2180	.3033	.3033	.9500	.7695-02	.1071-01	.9707	7.853	583.5
560	1.0000	.10000+00	299.00	.2505	.3442	.3442	.9500	.8846-02	.1215-01	1.153	9.080	579.3
560	1.0000	.12500	300.00	.2066	.2835	.2835	.9500	.7294-02	.1001-01	.9542	8.290	578.8
560	1.0000	.15000	301.00	.2181	.2968	.2968	.9500	.7699-02	.1048-01	1.030	8.062	575.9
560	1.0000	.17500	302.00	.2164	.2892	.2892	.9500	.7642-02	.1021-01	1.078	7.753	568.6
560	1.0000	.20000	303.00	.2031	.2729	.2729	.9500	.7169-02	.9635-02	.9940	7.802	571.0
560	1.0000	.22500	304.00	.1159	.1550	.1550	.9500	.4091-02	.5473-02	.5747	6.167	569.2
560	1.0000	.25000	305.00	.8523-01	.1106	.1106	.9500	.3009-02	.3904-02	.4657	3.646	554.9
560	1.0000	.27500	306.00	.1105	.1428	.1428	.9500	.3902-02	.5041-02	.6130	3.999	552.6
560	1.0000	.32500	307.00	.1066	.1388	.1388	.9500	.3762-02	.4901-02	.5745	5.190	557.0
560	1.0000	.37500	308.00	.1043	.1340	.1340	.9500	.3684-02	.4731-02	.5905	4.524	549.4
560	1.0000	.42500	309.00	.9645-01	.1252	.1252	.9500	.3405-02	.4422-02	.5258	3.909	555.3

IH102 83-0 MHB LINE (R4W656)

MHB LINE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
570	3.520	4.020	-4.944	.0000	58.14	710.7	167.9	.3728	4.217	2554.	.5992-02	.1351-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
570	.3015-01	.8187-02

TEST DATA

RUN NUMBER	DUMMY	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
570	1.0000	.25000-01	296.00	.1533	.1973	.1973	.9500	.4621-02	.5948-02	.7360	5.595	551.4
570	1.0000	.50000-01	297.00	.9343-01	.1199	.1199	.9500	.2817-02	.3617-02	.4527	3.752	550.0
570	1.0000	.75000-01	298.00	.3731-01	.4782-01	.4782-01	.9500	.1125-02	.1442-02	.1820	1.498	548.9
570	1.0000	.10000+00	299.00	.3608-01	.4633-01	.4633-01	.9500	.1088-02	.1397-02	.1746	1.395	550.2
570	1.0000	.12500	300.00	.2696-01	.3472-01	.3472-01	.9500	.8130-03	.1047-02	.1293	1.138	551.7
570	1.0000	.15000	301.00	.6305-01	.8106-01	.8106-01	.9500	.1901-02	.2444-02	.3040	2.410	550.8
570	1.0000	.17500	302.00	.1398	.1780	.1780	.9500	.4209-02	.5368-02	.6931	5.041	546.0
570	1.0000	.20000	303.00	.1530	.1963	.1963	.9500	.4614-02	.5919-02	.7435	5.899	549.5
570	1.0000	.22500	304.00	.1014	.1305	.1305	.9500	.3057-02	.3934-02	.4872	5.275	551.3
570	1.0000	.25000	305.00	.8619-01	.1093	.1093	.9500	.2599-02	.3296-02	.4365	3.439	542.7
570	1.0000	.27500	306.00	.9362-01	.1184	.1184	.9500	.2823-02	.3569-02	.4797	3.148	540.7
570	1.0000	.32500	307.00	.1129	.1432	.1432	.9500	.3406-02	.4318-02	.5728	5.213	542.5
570	1.0000	.37500	308.00	.1079	.1357	.1357	.9500	.3254-02	.4093-02	.5642	4.349	537.3
570	1.0000	.42500	309.00	.1022	.1301	.1301	.9500	.3083-02	.3921-02	.5124	3.830	544.5

IH102 83-0 MHB LINE (R4W657)

MHB LINE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = 6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
574	3.506	4.020	-5.030	6.032	58.03	711.7	168.2	.3722	4.210	2556.	.5973-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
574	.3013-01	.8202-02

TEST DATA

RUN NUMBER	DUMMY	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
574	1.0000	.25000-01	296.00	.2056	.2678	.2678	.9500	.6196-02	.8070-02	.9494	7.191	558.4
574	1.0000	.50000-01	297.00	.1179	.1527	.1527	.9500	.3552-02	.4601-02	.5541	4.580	555.7
574	1.0000	.75000-01	298.00	.7118-01	.9131-01	.9131-01	.9500	.2145-02	.2751-02	.3462	2.848	550.3
574	1.0000	.10000+00	299.00	.5922-01	.7564-01	.7564-01	.9500	.1785-02	.2279-02	.2926	2.340	547.7
574	1.0000	.12500	300.00	.4216-01	.5377-01	.5377-01	.9500	.1270-02	.1620-02	.2094	1.848	546.9
574	1.0000	.15000	301.00	.4519-01	.5739-01	.5739-01	.9500	.1362-02	.1729-02	.2278	1.812	544.4
574	1.0000	.17500	302.00	.5438-01	.6847-01	.6847-01	.9500	.1638-02	.2063 02	.2833	2.068	538.8
574	1.0000	.20000	303.00	.9558-01	.1212	.1212	.9500	.2880-02	.3651-02	.4855	3.865	543.1
574	1.0000	.22500	304.00	.7002-01	.8924-01	.8924-01	.9500	.2110-02	.2689-02	.3485	3.783	546.5
574	1.0000	.25000	305.00	.6387-01	.8060-01	.8060-01	.9500	.1925-02	.2429-02	.3300	2.602	540.2
574	1.0000	.27500	306.00	.8509-01	.1072	.1072	.9500	.2564-02	.3232-02	.4416	2.900	539.4
574	1.0000	.32500	307.00	.9358-01	.1184	.1184	.9500	.2820-02	.3567-02	.4791	4.362	541.7
574	1.0000	.37500	308.00	.9681-01	.1214	.1214	.9500	.2917-02	.3659-02	.5121	3.950	536.1
574	1.0000	.42500	309.00	.8755-01	.1109	.1109	.9500	.2638-02	.3342-02	.4456	3.334	542.7

MHB LINE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
568	3.503	4.020	-.1200-01	.0000	58.11	712.7	168.4	.3726	4.215	2557.	.5972-02	.1355-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
568	.3016-01	.8204-02

TEST DATA

RUN NUMBER	DUMMY	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
568	1.0000	.25000-01	296.00	.1512	.1979	.1979	.9500	.4559-02	.5968-02	.6883	5.205	561.7
568	1.0000	.50000-01	297.00	.9315-01	.1207	.1207	.9500	.2809-02	.3639-02	.4390	3.626	556.4
568	1.0000	.75000-01	298.00	.5448-01	.6981-01	.6981-01	.9500	.1643-02	.2105-02	.2666	2.192	550.4
568	1.0000	.10000+00	299.00	.4047-01	.5163-01	.5163-01	.9500	.1220-02	.1557-02	.2011	1.609	547.9
568	1.0000	.12500	300.00	.2208-01	.2821-01	.2821-01	.9500	.6660-03	.8507-03	.1093	.9637	548.6
568	1.0000	.15000	301.00	.1868-01	.2385-01	.2385-01	.9500	.5633-03	.7192-03	.9257-01	.7349	548.3
568	1.0000	.17500	302.00	.2354-01	.2999-01	.2999-01	.9500	.7100-03	.9045-03	.1176	.8553	547.0
568	1.0000	.20000	303.00	.2797-01	.3575-01	.3575-01	.9500	.8437-03	.1078-02	.1382	1.097	548.9
568	1.0000	.27500	306.00	.3005-01	.3776-01	.3776-01	.9500	.9062-03	.1139-02	.1580	1.038	538.3
568	1.0000	.32500	307.00	.6360-01	.8027-01	.8027-01	.9500	.1918-02	.2421-02	.3293	2.999	541.0
568	1.0000	.37500	308.00	.3380-01	.4237-01	.4237-01	.9500	.1019-02	.1278-02	.1797	1.386	536.4
568	1.0000	.42500	309.00	.4048-01	.5092-01	.5092-01	.9500	.1221-02	.1536-02	.2122	1.590	538.9

MHB LINE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = 6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
572	3.517	4.020	-.4214-02	6.014	58.08	710.7	167.9	.3725	4.214	2554.	.5987-02	.1351-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
572	.3014-01	.8191-02

TEST DATA

RUN NUMBER	DUMMY	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
572	1.0000	.25000-01	296.00	.2067	.2685	.2685	.9500	.6229-02	.8091-02	.9620	7.295	556.2
572	1.0000	.50000-01	297.00	.1082	.1403	.1403	.9500	.3260-02	.4227-02	.5065	4.186	555.3
572	1.0000	.75000-01	298.00	.6078-01	.7848-01	.7848-01	.9500	.1832-02	.2365-02	.2886	2.370	553.1
572	1.0000	.10000+00	299.00	.5561-01	.7160-01	.7160-01	.9500	.1676-02	.2158-02	.2666	2.128	551.6
572	1.0000	.12500	300.00	.3916-01	.5028-01	.5028-01	.9500	.1180-02	.1515-02	.1896	1.671	550.0
572	1.0000	.15000	301.00	.4055-01	.5184-01	.5184-01	.9500	.1222-02	.1562-02	.1993	1.583	547.6
572	1.0000	.17500	302.00	.4241-01	.5374-01	.5374-01	.9500	.1278-02	.1620-02	.2153	1.569	542.2
572	1.0000	.20000	303.00	.3919-01	.4978-01	.4978-01	.9500	.1181-02	.1500-02	.1973	1.570	543.6
572	1.0000	.22500	304.00	.1158-01	.1471-01	.1471-01	.9500	.3489-03	.4434-03	.5821-01	.6326	543.9
572	1.0000	.25000	305.00	.1903-01	.2401-01	.2401-01	.9500	.5734-03	.7237-03	.9810-01	.7740	539.6
572	1.0000	.27500	306.00	.6163-01	.7784-01	.7784-01	.9500	.1857-02	.2346-02	.3169	2.081	540.0
572	1.0000	.32500	307.00	.4403-01	.5553-01	.5553-01	.9500	.1327-02	.1673-02	.2278	2.076	539.0
572	1.0000	.37500	308.00	.1437-01	.1794-01	.1794-01	.9500	.4332-03	.5407-03	.7736-01	.5979	532.1
572	1.0000	.42500	309.00	.1615-01	.2037-01	.2037-01	.9500	.4867-03	.6140-03	.8336-01	.6247	539.4

FUSELAGE (83-0)

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
566	1.070	3.010	-4.930	.0000	10.00	693.7	246.7	.2682	1.701	2318.	.2935-02	.1975-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
566	.1905-01	.1165-01

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
566	355.00	.20000	311.00	.1217	.1550	.1550	.9500	.2319-02	.2953-02	.3745	3.650	532.2
566	355.00	.22500	312.00	.1034	.1321	.1321	.9500	.1969-02	.2518-02	.3136	2.808	534.5
566	355.00	.25000	313.00	.1044	.1335	.1335	.9500	.1990-02	.2544-02	.3168	2.396	534.4
566	355.00	.27500	314.00	.1115	.1432	.1432	.9500	.2124-02	.2729-02	.3327	2.666	537.1
566	355.00	.30000	315.00	.1349	.1724	.1724	.9500	.2571-02	.3285-02	.4105	2.984	534.0
566	355.00	.32500	316.00	.1484	.1893	.1893	.9500	.2828-02	.3607-02	.4541	3.646	533.1
566	355.00	.35000	317.00	.1466	.1854	.1854	.9500	.2793-02	.3532-02	.4628	3.343	528.0
566	355.00	.37500	318.00	.1571	.1998	.1998	.9500	.2994-02	.3807-02	.4864	3.611	531.2
566	355.00	.40000	319.00	.1501	.1923	.1923	.9500	.2859-02	.3664-02	.4515	3.633	535.8
566	355.00	.42500	320.00	.1566	.2014	.2014	.9500	.2983-02	.3838-02	.4646	3.643	538.0
566	378.00	.20000	323.00	.1402	.1796	.1796	.9500	.2672-02	.3422-02	.4229	3.654	535.4
566	378.00	.22500	324.00	.1094	.1402	.1402	.9500	.2085-02	.2670-02	.3296	2.752	535.6
566	378.00	.25000	325.00	.1048	.1337	.1337	.9500	.1998-02	.2548-02	.3210	2.577	533.0
566	378.00	.27500	326.00	.1172	.1499	.1499	.9500	.2232-02	.2857-02	.3542	3.037	535.0
566	378.00	.30000	327.00	.1238	.1575	.1575	.9500	.2359-02	.3001-02	.3826	3.000	531.5
566	378.00	.32500	328.00	.1299	.1650	.1650	.9500	.2474-02	.3145-02	.4026	3.626	531.0
566	378.00	.35000	329.00	.1300	.1640	.1640	.9500	.2476-02	.3125-02	.4139	3.039	526.6
566	378.00	.37500	330.00	.1257	.1589	.1589	.9500	.2395-02	.3028-02	.3968	3.160	528.0
566	378.00	.40000	331.00	.1250	.1591	.1591	.9500	.2382-02	.3032-02	.3852	3.210	531.9
566	378.00	.42500	332.00	.1270	.1622	.1622	.9500	.2420-02	.3091-02	.3864	3.135	534.0
566	400.00	.22500	334.00	.8776-01	.1124	.1124	.9500	.1672-02	.2141-02	.2647	2.323	535.4

IH102 83-0 FUSELAGE (R4W352)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
566	400.00	.25000	335.00	.6617-01	.8636-01	.8636-0	.9500	.1261-02	.1646-02	.1870	1.441	545.3
566	400.00	.27500	336.00	.9920-01	.1276	.1276	.9500	.1890-02	.2431-02	.2949	2.515	537.7
566	400.00	.30000	337.00	.7528-01	.9636-01	.9636-0	.9500	.1434-02	.1836-02	.2274	1.652	535.1
566	400.00	.32500	338.00	.1039	.1328	.1328	.9500	.1980-02	.2530-02	.3162	2.632	534.0
566	400.00	.35000	339.00	.1095	.1392	.1392	.9500	.2087-02	.2652-02	.3394	2.521	531.0
566	400.00	.37500	340.00	.4911-03	.5320-03	.5320-03	.9500	.9357-05	.1014-04	.4217-02	.3694-01	243.0
566	400.00	.40000	341.00	.1189	.1521	.1521	.9500	.2266-02	.2898-02	.3606	2.893	534.5
566	400.00	.42500	342.00	.1178	.1514	.1514	.9500	.2245-02	.2885-02	.3512	2.908	537.3
566	425.00	.32500	344.00	.7998-01	.1023	.1023	.9500	.1524-02	.1950-02	.2419	1.747	534.9
566	425.00	.35000	345.00	.1052	.1340	.1340	.9500	.2004-02	.2554-02	.3230	2.413	532.5
566	425.00	.37500	346.00	.9671-01	.1228	.1228	.9500	.1843-02	.2339-02	.3011	2.252	530.3
566	425.00	.40000	347.00	.1087	.1392	.1392	.9500	.2071-02	.2651-02	.3282	2.448	535.2
566	425.00	.42500	348.00	.1151	.1475	.1475	.9500	.2194-02	.2811-02	.3468	2.425	535.6

FUSELAGE (83-0)

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
558	3.529	3.010	-4.954	.3454-02	34.08	709.7	252.4	.9140	5.797	2344.	.9775-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
558	.3532-01	.6405-02

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
558	355.00	.20000	311.00	.1360	.1783	.1783	.9500	.4803-02	.6298-02	.7182	6.900	560.2
558	355.00	.22500	312.00	.9154-01	.1181	.1181	.9500	.3233-02	.4170-02	.5104	4.531	551.8
558	355.00	.25000	313.00	.6638-01	.8467-01	.8467-01	.9500	.2344-02	.2990-02	.3851	2.897	545.4
558	355.00	.27500	314.00	.5568-01	.7159-01	.7159-01	.9500	.1966-02	.2528-02	.3139	2.499	550.0
558	355.00	.30000	315.00	.5363-01	.6855-01	.6855-01	.9500	.1894-02	.2421-02	.3089	2.231	546.6
558	355.00	.32500	316.00	.6723-01	.8646-01	.8646-01	.9500	.2374-02	.3053-02	.3789	3.016	550.1
558	355.00	.35000	317.00	.4169-01	.5302-01	.5302-01	.9500	.1472-02	.1873-02	.2443	1.751	543.7
558	355.00	.37500	318.00	.6205-01	.7939-01	.7939-01	.9500	.2191-02	.2804-02	.3560	2.622	547.2
558	355.00	.40000	319.00	.6236-01	.8020-01	.8020-01	.9500	.2202-02	.2832-02	.3514	2.807	550.1
558	355.00	.42500	320.00	.8583-01	.1110	.1110	.9500	.3031-02	.3922-02	.4736	3.685	553.4
558	378.00	.20000	323.00	.1469	.1929	.1929	.9500	.5186-02	.6811-02	.7715	6.580	560.9
558	378.00	.22500	324.00	.9781-01	.1261	.1261	.9500	.3454-02	.4455-02	.5458	4.519	551.7
558	378.00	.25000	325.00	.6083-01	.7759-01	.7759-01	.9500	.2148-02	.2740-02	.3530	2.816	545.4
558	378.00	.27500	326.00	.5722-01	.7352-01	.7352-01	.9500	.2021-02	.2596-02	.3235	2.754	549.6
558	378.00	.30000	327.00	.4953-01	.6309-01	.6309-01	.9500	.1749-02	.2228-02	.2888	2.249	544.6
558	378.00	.32500	328.00	.4486-01	.5742-01	.5742-01	.9500	.1584-02	.2028-02	.2571	2.296	547.4
558	378.00	.35000	329.00	.5330-01	.6755-01	.6755-01	.9500	.1882-02	.2386-02	.3164	2.307	541.6
558	378.00	.37500	330.00	.6119-01	.7790-01	.7790-01	.9500	.2161-02	.2751-02	.3573	2.823	544.3
558	378.00	.40000	331.00	.6751-01	.8635-01	.8635-01	.9500	.2384-02	.3049-02	.3879	3.208	547.0
558	378.00	.42500	332.00	.6457-01	.8306-01	.8306-01	.9500	.2280-02	.2933-02	.3634	2.924	550.3
558	400.00	.22500	334.00	.8482-01	.1097	.1097	.9500	.2995-02	.3874-02	.4687	4.076	553.2

IH102 83-0 FUSELAGE (R4W352)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
558	400.00	.25000	335.00	.6347-01	.8292-01	.8292-01	.9500	.2241-02	.2928-02	.3391	2.595	558.4
558	400.00	.27500	336.00	.5607-01	.7220-01	.7220-01	.9500	.1980-02	.2550-02	.3146	2.666	550.8
558	400.00	.30000	337.00	.5667-01	.7229-01	.7229-01	.9500	.2001-02	.2553-02	.3285	2.374	545.5
558	400.00	.32500	338.00	.5877-01	.7508-01	.7508-01	.9500	.2076-02	.2651-02	.3392	2.806	546.3
558	400.00	.35000	339.00	.6663-01	.8463-01	.8463-01	.9500	.2353-02	.2989-02	.3927	2.899	542.8
558	400.00	.40000	341.00	.6327-01	.8108-01	.8108-01	.9500	.2234-02	.2863-02	.3609	2.876	548.2
558	400.00	.42500	342.00	.6484-01	.8377-01	.8377-01	.9500	.2290-02	.2958-02	.3597	2.955	552.6
558	425.00	.32500	344.00	.5881-01	.7493-01	.7493-01	.9500	.2077-02	.2646-02	.3425	2.460	544.8
558	425.00	.35000	345.00	.7253-01	.9220-01	.9220-01	.9500	.2562-02	.3256-02	.4261	3.165	543.3
558	425.00	.37500	346.00	.7613-01	.9650-01	.9650-01	.9500	.2688-02	.3408-02	.4517	3.359	541.6
558	425.00	.40000	347.00	.7193-01	.9198-01	.9198-01	.9500	.2540-02	.3248-02	.4133	3.065	546.9
558	425.00	.42500	348.00	.7764-01	.9952-01	.9952-01	.9500	.2742-02	.3515-02	.4425	3.074	548.3

FUSELAGE (83-0)

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = 6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
562	3.525	3.010	-4.967	5.954	34.04	709.7	252.4	.9130	5.790	2344.	.9765-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
562	.3530-01	.6408-02

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
562	355.00	.20000	311.00	.1942	.2587	.2587	.9500	.6853-02	.9132-02	.9746	9.330	567.5
562	355.00	.22500	312.00	.1402	.1829	.1829	.9500	.4948-02	.6455-02	.7519	6.654	557.7
562	355.00	.25000	313.00	.1066	.1368	.1368	.9500	.3761-02	.4830-02	.6033	4.529	549.3
562	355.00	.27500	314.00	.1005	.1297	.1297	.9500	.3546-02	.4579-02	.5574	4.432	552.5
562	355.00	.30000	315.00	.9307-01	.1193	.1193	.9500	.3285-02	.4210-02	.5305	3.829	548.2
562	355.00	.32500	316.00	.1040	.1336	.1336	.9500	.3669-02	.4717-02	.5863	4.668	549.9
562	355.00	.35000	317.00	.8420-01	.1067	.1067	.9500	.2972-02	.3765-02	.5008	3.593	541.1
562	355.00	.37500	318.00	.7970-01	.1011	.1011	.9500	.2813-02	.3569-02	.4716	3.482	542.1
562	355.00	.40000	319.00	.6251-01	.7932-01	.7932-01	.9500	.2206-02	.2800-02	.3693	2.962	542.3
562	355.00	.42500	320.00	.7068-01	.9017-01	.9017-01	.9500	.2495-02	.3183-02	.4095	3.199	545.5
562	378.00	.20000	323.00	.2155	.2895	.2895	.9500	.7605-02	.1022-01	1.055	8.951	571.0
562	378.00	.22500	324.00	.1480	.1943	.1943	.9500	.5225-02	.6859-02	.7780	6.413	560.8
562	378.00	.25000	325.00	.1068	.1378	.1378	.9500	.3770-02	.4864-02	.5951	4.733	551.8
562	378.00	.27500	326.00	.1026	.1330	.1330	.9500	.3621-02	.4696-02	.5612	4.765	554.7
562	378.00	.30000	327.00	.8198-01	.1049	.1049	.9500	.2894-02	.3703-02	.4695	3.651	547.4
562	378.00	.32500	328.00	.7142-01	.9140-01	.9140-01	.9500	.2521-02	.3226-02	.4092	3.655	547.3
562	378.00	.35000	329.00	.7364-01	.9314-01	.9314-01	.9500	.2599-02	.3288-02	.4404	3.213	540.2
562	378.00	.37500	330.00	.7283-01	.9225-01	.9225-01	.9500	.2571-02	.3256-02	.4331	3.426	541.2
562	378.00	.40000	331.00	.6827-01	.8658-01	.8658-01	.9500	.2410-02	.3056-02	.4042	3.351	541.9
562	378.00	.42500	332.00	.6911-01	.8792-01	.8792-01	.9500	.2439-02	.3103-02	.4046	3.266	543.8
562	400.00	.22500	334.00	.1360	.1794	.1794	.9500	.4801-02	.6334-02	.7041	6.093	563.0

IH102 83-0 FUSELAGE (R4W353)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
562	400.00	.25000	335.00	.1091	.1444	.1444	.9500	.3850-02	.5098-02	.5583	4.260	564.7
562	400.00	.27500	336.00	.8166-01	.1062	.1062	.9500	.2882-02	.3750-02	.4421	3.736	556.3
562	400.00	.30000	337.00	.7101-01	.9108-01	.9108-01	.9500	.2506-02	.3215-02	.4036	2.913	548.6
562	400.00	.32500	338.00	.7306-01	.9374-01	.9374-01	.9500	.2579-02	.3309-02	.4147	3.426	548.8
562	400.00	.35000	339.00	.8226-01	.1049	.1049	.9500	.2904-02	.3702-02	.4779	3.524	545.1
562	400.00	.37500	340.00	.1227-03	.1328-03	.1328-03	.9500	.4332-05	.4688-05	.2021-02	.1770-01	243.1
562	400.00	.40000	341.00	.8840-01	.1134	.1134	.9500	.3120-02	.4001-02	.5029	4.007	548.5
562	400.00	.42500	342.00	.9574-01	.1235	.1235	.9500	.3379-02	.4358-02	.5338	4.387	551.7
562	425.00	.32500	344.00	.9596-01	.1234	.1234	.9500	.3387-02	.4355-02	.5409	3.876	550.0
562	425.00	.35000	345.00	.1076	.1381	.1381	.9500	.3800-02	.4874-02	.6115	4.531	548.7
562	425.00	.37500	346.00	.1006	.1284	.1284	.9500	.3551-02	.4533-02	.5815	4.314	545.9
562	425.00	.40000	347.00	.1015	.1305	.1305	.9500	.3582-02	.4605-02	.5724	4.238	549.9
562	425.00	.42500	348.00	.1010	.1300	.1300	.9500	.3565-02	.4588-02	.5672	3.936	550.6

FUSELAGE (83-0)

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
564	1.065	3.010	.3400-01	.1187-04	10.01	696.7	247.7	.2686	1.703	2323.	.2926-02	.1983-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
564	.1908-01	.1758-01

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
564	355.00	.20000	311.00	.1990	.2590	.2590	.9500	.3797-02	.4942-02	.5708	5.523	546.3
564	355.00	.22500	312.00	.1489	.1921	.1921	.9500	.2840-02	.3666-02	.4392	3.918	542.0
564	355.00	.25000	313.00	.1199	.1522	.1522	.9500	.2269-02	.2905-02	.3611	2.727	537.5
564	355.00	.27500	314.00	.1267	.1626	.1626	.9500	.2417-02	.3103-02	.3810	3.050	539.1
564	355.00	.30000	315.00	.1344	.1719	.1719	.9500	.2565-02	.3281-02	.4100	2.976	536.9
564	355.00	.32500	316.00	.1536	.1975	.1975	.9500	.2931-02	.3768-02	.4596	3.678	539.9
564	355.00	.35000	317.00	.1618	.2070	.2070	.9500	.3088-02	.3951-02	.4926	3.541	537.2
564	355.00	.37500	318.00	.1826	.2343	.2343	.9500	.3484-02	.4472-02	.5491	4.061	539.0
564	355.00	.40000	319.00	.1876	.2410	.2410	.9500	.3579-02	.4598-02	.5626	4.519	539.5
564	355.00	.42500	320.00	.1949	.2506	.2506	.9500	.3719-02	.4782-02	.5828	4.565	540.0
564	378.00	.20000	323.00	.2219	.2891	.2891	.9500	.4234-02	.5516-02	.6345	5.450	546.8
564	378.00	.22500	324.00	.1485	.1920	.1920	.9500	.2833-02	.3664-02	.4354	3.621	543.0
564	378.00	.25000	325.00	.1207	.1545	.1545	.9500	.2303-02	.2948-02	.3670	2.941	537.3
564	378.00	.27500	326.00	.1415	.1817	.1817	.9500	.2701-02	.3468-02	.4254	3.640	539.2
564	378.00	.30000	327.00	.1399	.1788	.1788	.9500	.2670-02	.3411-02	.4281	3.347	536.4
564	378.00	.32500	328.00	.1524	.1955	.1955	.9500	.2908-02	.3731-02	.4591	4.118	538.8
564	378.00	.35000	329.00	.1575	.2012	.2012	.9500	.3005-02	.3839-02	.4821	3.524	536.3
564	378.00	.37500	330.00	.1681	.2150	.2150	.9500	.3209-02	.4103-02	.5127	4.066	536.9
564	378.00	.40000	331.00	.1927	.2466	.2466	.9500	.3677-02	.4705-02	.5860	4.870	537.3
564	378.00	.42500	332.00	.2054	.2633	.2633	.9500	.3920-02	.5023-02	.6214	5.031	538.1
564	400.00	.22500	334.00	.1438	.1858	.1858	.9500	.2744-02	.3546-02	.4231	3.699	542.5

IH102 83-0 FUSELAGE (R4W354)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
564	400.00	.25000	335.00	.1490	.1951	.1951	.9500	.2844-02	.3722-02	.4198	3.228	549.0
564	400.00	.27500	336.00	.1608	.2076	.2076	.9500	.3068-02	.3962-02	.4738	4.032	542.2
564	400.00	.30000	337.00	.1549	.1990	.1990	.9500	.2956-02	.3798-02	.4643	3.366	539.6
564	400.00	.32500	338.00	.1656	.2134	.2134	.9500	.3159-02	.4071-02	.4913	4.075	541.2
564	400.00	.35000	339.00	.1790	.2302	.2302	.9500	.3415-02	.4393-02	.5344	3.950	540.2
564	400.00	.40000	341.00	.2331	.2996	.2996	.9500	.4448-02	.5717-02	.6979	5.585	539.8
564	400.00	.42500	342.00	.2325	.2997	.2997	.9500	.4436-02	.5719-02	.6888	5.691	541.4
564	425.00	.32500	344.00	.1999	.2579	.2579	.9500	.3814-02	.4921-02	.5904	4.247	541.9
564	425.00	.35000	345.00	.2687	.3470	.3470	.9500	.5128-02	.6621-02	.7922	5.888	542.2
564	425.00	.37500	346.00	.2547	.3274	.3274	.9500	.4861-02	.6246-02	.7635	5.682	539.6
564	425.00	.40000	347.00	.2834	.3651	.3651	.9500	.5408-02	.6967-02	.8417	6.260	541.0
564	425.00	.42500	348.00	.2839	.3643	.3643	.9500	.5418-02	.6951-02	.8557	5.973	538.7

FUSELAGE (83-0)

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
556	3.542	3.010	-.6000-02	.8378-05	34.00	706.7	251.3	.9117	5.782	2339.	.9792-02	.2010-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
556	.3525-01	.6395-02

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
556	355.00	.20000	311.00	.1191	.1595	.1595	.9500	.4198-02	.5620-02	.5860	5.611	567.1
556	355.00	.22500	312.00	.9825-01	.1291	.1291	.9500	.3463-02	.4551-02	.5117	4.526	558.9
556	355.00	.25000	313.00	.7459-01	.9662-01	.9662-01	.9500	.2629-02	.3405-02	.4074	3.054	551.7
556	355.00	.27500	314.00	.6719-01	.8755-01	.8755-01	.9500	.2368-02	.3086-02	.3598	2.858	554.7
556	355.00	.30000	315.00	.6570-01	.8510-01	.8510-01	.9500	.2316-02	.2999-02	.3590	2.587	551.7
556	355.00	.32500	316.00	.6569-01	.8583-01	.8583-01	.9500	.2315-02	.3025-02	.3486	2.766	556.1
556	355.00	.35000	317.00	.4414-01	.5724-01	.5724-01	.9500	.1556-02	.2018-02	.2402	1.713	552.3
556	355.00	.37500	318.00	.4624-01	.6042-01	.6042-01	.9500	.1630-02	.2129-02	.2454	1.799	556.1
556	355.00	.40000	319.00	.2823-01	.3707-01	.3707-01	.9500	.9948-03	.1306-02	.1474	1.173	558.5
556	355.00	.42500	320.00	.3543-01	.4672-01	.4672-01	.9500	.1249-02	.1647-02	.1825	1.415	560.5
556	378.00	.20000	323.00	.1539	.2068	.2068	.9500	.5424-02	.7290-02	.7486	6.360	568.6
556	378.00	.22500	324.00	.1031	.1357	.1357	.9500	.3636-02	.4782-02	.5360	4.421	559.2
556	378.00	.25000	325.00	.7119-01	.9225-01	.9225-01	.9500	.2509-02	.3251-02	.3884	3.089	551.9
556	378.00	.27500	326.00	.6476-01	.8447-01	.8447-01	.9500	.2283-02	.2977-02	.3457	2.934	555.2
556	378.00	.30000	327.00	.5340-01	.6906-01	.6906-01	.9500	.1882-02	.2434-02	.2933	2.277	550.8
556	378.00	.32500	328.00	.3773-01	.4911-01	.4911-01	.9500	.1330-02	.1731-02	.2027	1.804	554.3
556	378.00	.35000	329.00	.3797-01	.4905-01	.4905-01	.9500	.1338-02	.1729-02	.2094	1.519	550.2
556	378.00	.37500	330.00	.3239-01	.4197-01	.4197-01	.9500	.1142-02	.1479-02	.1768	1.391	551.8
556	378.00	.40000	331.00	.2718-01	.3534-01	.3534-01	.9500	.9579-03	.1246-02	.1466	1.208	553.7
556	378.00	.42500	332.00	.2377-01	.3101-01	.3101-01	.9500	.8378-03	.1093-02	.1268	1.018	555.3
556	400.00	.22500	334.00	.8747-01	.1150	.1150	.9500	.3083-02	.4052-02	.4555	3.949	558.9

IH102 83-0 FUSELAGE (R4W354)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
556	400.00	.25000	335.00	.6232-01	.8292-01	.8292-01	.9500	.2196-02	.2923-02	.3123	2.383	564.5
556	400.00	.27500	336.00	.4222-01	.5509-01	.5509-01	.9500	.1488-02	.1942-02	.2250	1.902	555.4
556	400.00	.30000	337.00	.3602-01	.4656-01	.4656-01	.9500	.1269-02	.1641-02	.1980	1.428	550.7
556	400.00	.32500	338.00	.3406-01	.4418-01	.4418-01	.9500	.1201-02	.1557-02	.1853	1.529	552.3
556	400.00	.35000	339.00	.3784-01	.4891-01	.4891-01	.9500	.1334-02	.1724-02	.2082	1.531	550.6
556	400.00	.40000	341.00	.4355-01	.5657-01	.5657-01	.9500	.1535-02	.1994-02	.2357	1.874	553.1
556	400.00	.42500	342.00	.4282-01	.5594-01	.5594-01	.9500	.1509-02	.1971-02	.2274	1.865	556.0
556	425.00	.32500	344.00	.5423-01	.7004-01	.7004-01	.9500	.1911-02	.2469-02	.2991	2.143	550.2
556	425.00	.35000	345.00	.5828-01	.7548-01	.7548-01	.9500	.2054-02	.2660-02	.3186	2.357	551.6
556	425.00	.37500	346.00	.5785-01	.7468-01	.7468-01	.9500	.2039-02	.2632-02	.3196	2.366	549.9
556	425.00	.40000	347.00	.5898-01	.7646-01	.7646-01	.9500	.2079-02	.2695-02	.3214	2.377	552.1
556	425.00	.42500	348.00	.6412-01	.8300-01	.8300-01	.9500	.2260-02	.2926-02	.3509	2.434	551.4

FUSELAGE (83-0)

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = 6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
560	3.527	3.010	-.6256-02	5.952	34.06	709.7	252.4	.9135	5.794	2344.	.9770-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
560	.3531-01	.6407-02

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
560	355.00	.20000	311.00	.4089-01	.5314-01	.5314-01	.9500	.1444-02	.1876-02	.2223	2.140	555.7
560	355.00	.22500	312.00	.2480-01	.3201-01	.3201-01	.9500	.8757-03	.1130-02	.1379	1.224	552.2
560	355.00	.25000	313.00	.3654-01	.4700-01	.4700-01	.9500	.1290-02	.1659-02	.2056	1.543	550.3
560	355.00	.27500	314.00	.7763-01	.1010	.1010	.9500	.2741-02	.3565-02	.4204	3.336	556.3
560	355.00	.30000	315.00	.1026	.1327	.1327	.9500	.3624-02	.4686-02	.5674	4.085	553.1
560	355.00	.32500	316.00	.1177	.1526	.1526	.9500	.4155-02	.5387-02	.6446	5.120	554.5
560	355.00	.35000	317.00	.1028	.1312	.1312	.9500	.3629-02	.4632-02	.5943	4.253	545.9
560	355.00	.37500	318.00	.1043	.1334	.1334	.9500	.3681-02	.4708-02	.5884	4.408	547.1
560	355.00	.40000	319.00	.9376-01	.1201	.1201	.9500	.3310-02	.4241-02	.5353	4.281	548.0
560	355.00	.42500	320.00	.1005	.1294	.1294	.9500	.3547-02	.4567-02	.5631	4.387	550.9
560	378.00	.20000	323.00	.8702-01	.1154	.1154	.9500	.3072-02	.4074-02	.4434	3.774	565.3
560	378.00	.22500	324.00	.8813-01	.1154	.1154	.9500	.3112-02	.4074-02	.4674	3.856	559.4
560	378.00	.25000	325.00	.7713-01	.9957-01	.9957-01	.9500	.2723-02	.3516-02	.4288	3.410	552.2
560	378.00	.27500	326.00	.9629-01	.1253	.1253	.9500	.3400-02	.4423-02	.5214	4.423	556.3
560	378.00	.30000	327.00	.1124	.1447	.1447	.9500	.3968-02	.5108-02	.6307	4.896	550.7
560	378.00	.32500	328.00	.1106	.1427	.1427	.9500	.3905-02	.5039-02	.6157	5.487	552.0
560	378.00	.35000	329.00	.1115	.1422	.1422	.9500	.3937-02	.5021-02	.6474	4.710	545.3
560	378.00	.37500	330.00	.1026	.1309	.1309	.9500	.3622-02	.4622-02	.5943	4.692	545.6
560	378.00	.40000	331.00	.9237-01	.1181	.1181	.9500	.3261-02	.4169-02	.5316	4.397	546.7
560	378.00	.42500	332.00	.9137-01	.1172	.1172	.9500	.3226-02	.4140-02	.5187	4.176	548.9
560	400.00	.22500	334.00	.1003	.1316	.1316	.9500	.3540-02	.4645-02	.5277	4.572	560.6

IH102 83-0 FUSELAGE (R4W355)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
560	400.00	.25000	335.00	.1445	.1930	.1930	.9500	.5103-02	.6815-02	.7204	5.486	568.5
560	400.00	.27500	336.00	.1306	.1710	.1710	.9500	.4610-02	.6036-02	.6924	5.842	559.5
560	400.00	.30000	337.00	.1060	.1366	.1366	.9500	.3744-02	.4822-02	.5944	4.285	550.9
560	400.00	.32500	338.00	.9144-01	.1176	.1176	.9500	.3229-02	.4153-02	.5147	4.249	550.2
560	400.00	.35000	339.00	.8560-01	.1093	.1093	.9500	.3022-02	.3858-02	.4948	3.647	545.9
560	400.00	.37500	340.00	.7412-04	.8022-04	.8022-04	.9500	.2617-05	.2832-05	.1221-02	.1070-01	242.9
560	400.00	.40000	341.00	.7454-01	.9560-01	.9560-01	.9500	.2632-02	.3375-02	.4240	3.377	548.6
560	400.00	.42500	342.00	.7339-01	.9471-01	.9471-01	.9500	.2591-02	.3344-02	.4085	3.357	552.0
560	425.00	.32500	344.00	.7763-01	.9945-01	.9945-01	.9500	.2741-02	.3511-02	.4434	3.180	547.9
560	425.00	.35000	345.00	.8229-01	.1053	.1053	.9500	.2905-02	.3719-02	.4713	3.493	547.5
560	425.00	.37500	346.00	.7895-01	.1007	.1007	.9500	.2788-02	.3554-02	.4585	3.403	545.2
560	425.00	.40000	347.00	.7882-01	.1013	.1013	.9500	.2783-02	.3575-02	.4458	3.301	549.5
560	425.00	.42500	348.00	.8151-01	.1049	.1049	.9500	.2878-02	.3703-02	.4582	3.180	550.4

FUSELAGE (83-0)

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
570	3.520	4.020	-4.944	.0000	58.14	710.7	167.9	.3728	4.217	2554.	.5992-02	.1351-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
570	.3015-01	.8187-02

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
570	355.00	.20000	311.00	.1159	.1480	.1480	.9500	.3494-02	.4462-02	.5721	5.534	546.9
570	355.00	.22500	312.00	.8191-01	.1041	.1041	.9500	.2470-02	.3139-02	.4115	3.667	544.0
570	355.00	.25000	313.00	.6960-01	.8785-01	.8785-01	.9500	.2099-02	.2649-02	.3590	2.708	539.6
570	355.00	.27500	314.00	.7042-01	.8936-01	.8936-01	.9500	.2123-02	.2694-02	.3559	2.844	543.0
570	355.00	.30000	315.00	.8867-01	.1120	.1120	.9500	.2674-02	.3376-02	.4567	3.310	539.9
570	355.00	.32500	316.00	.9971-01	.1262	.1262	.9500	.3007-02	.3806-02	.5087	4.067	541.5
570	355.00	.35000	317.00	.1027	.1290	.1290	.9500	.3097-02	.3889-02	.5407	3.889	536.1
570	355.00	.37500	318.00	.1212	.1530	.1530	.9500	.3653-02	.4613-02	.6237	4.610	539.9
570	355.00	.40000	319.00	.1409	.1788	.1788	.9500	.4249-02	.5392-02	.7123	5.711	543.0
570	355.00	.42500	320.00	.1532	.1953	.1953	.9500	.4620-02	.5887-02	.7630	5.960	545.5
570	378.00	.20000	323.00	.1290	.1652	.1652	.9500	.3888-02	.4981-02	.6296	5.403	548.7
570	378.00	.22500	324.00	.7585-01	.9639-01	.9639-01	.9500	.2287-02	.2906-02	.3812	3.169	544.0
570	378.00	.25000	325.00	.5985-01	.7549-01	.7549-01	.9500	.1805-02	.2276-02	.3095	2.477	539.2
570	378.00	.27500	326.00	.6220-01	.7882-01	.7882-01	.9500	.1875-02	.2376-02	.3161	2.701	542.1
570	378.00	.30000	327.00	.6647-01	.8365-01	.8365-01	.9500	.2004-02	.2522-02	.3469	2.711	537.6
570	378.00	.32500	328.00	.7253-01	.9143-01	.9143-01	.9500	.2187-02	.2757-02	.3758	3.371	538.8
570	378.00	.35000	329.00	.7782-01	.9736-01	.9736-01	.9500	.2347-02	.2936-02	.4155	3.041	533.6
570	378.00	.37500	330.00	.7970-01	.9995-01	.9995-01	.9500	.2403-02	.3014-02	.4215	3.345	535.3
570	378.00	.40000	331.00	.1001	.1262	.1262	.9500	.3019-02	.3804-02	.5200	4.319	538.4
570	378.00	.42500	332.00	.1031	.1304	.1304	.9500	.3109-02	.3933-02	.5271	4.261	541.1
570	400.00	.22500	334.00	.6864-01	.8723-01	.8723-01	.9500	.2070-02	.2630-02	.3451	3.015	543.9

IH102 83-0 FUSELAGE (R4W356)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
570	400.00	.25000	335.00	.4210-01	.5428-01	.5428-01	.9500	.1269-02	.1637-02	.2010	1.543	552.3
570	400.00	.27500	336.00	.4183-01	.5314-01	.5314-01	.9500	.1261-02	.1602-02	.2106	1.791	543.7
570	400.00	.30000	337.00	.4259-01	.5370-01	.5370-01	.9500	.1284-02	.1619-02	.2204	1.598	539.0
570	400.00	.32500	338.00	.5613-01	.7075-01	.7075-01	.9500	.1692-02	.2133-02	.2910	2.417	538.7
570	400.00	.35000	339.00	.6179-01	.7751-01	.7751-01	.9500	.1863-02	.2337-02	.3262	2.417	535.6
570	400.00	.40000	341.00	.8026-01	.1013	.1013	.9500	.2420-02	.3053-02	.4146	3.318	539.3
570	400.00	.42500	342.00	.8106-01	.1028	.1028	.9500	.2444-02	.3099-02	.4109	3.393	542.6
570	425.00	.32500	344.00	.3382-01	.4245-01	.4245-01	.9500	.1020-02	.1280-02	.1782	1.286	535.9
570	425.00	.35000	345.00	.5627-01	.7054-01	.7054-01	.9500	.1697-02	.2127-02	.2980	2.223	535.0
570	425.00	.37500	346.00	.5659-01	.7078-01	.7078-01	.9500	.1706-02	.2134-02	.3023	2.257	533.5
570	425.00	.40000	347.00	.6394-01	.8053-01	.8053-01	.9500	.1928-02	.2428-02	.3326	2.478	538.1
570	425.00	.42500	348.00	.6596-01	.8313-01	.8313-01	.9500	.1989-02	.2507-02	.3421	2.388	538.6

FUSELAGE (83-0)

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = 6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
574	3.506	4.020	-5.030	6.032	58.03	711.7	168.2	.3722	4.210	2556.	.5973-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
574	.3013-01	.8202-02

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
574	355.00	.20000	311.00	.9905-01	.1258	.1258	.9500	.2985-02	.3792-02	.4989	4.831	544.5
574	355.00	.22500	312.00	.8420-01	.1067	.1067	.9500	.2537-02	.3216-02	.4275	3.811	543.2
574	355.00	.25000	313.00	.6729-01	.8481-01	.8481-01	.9500	.2028-02	.2555-02	.3494	2.636	539.4
574	355.00	.27500	314.00	.6903-01	.8737-01	.8737-01	.9500	.2080-02	.2633-02	.3527	2.819	542.1
574	355.00	.30000	315.00	.6745-01	.8487-01	.8487-01	.9500	.2032-02	.2557-02	.3523	2.555	538.3
574	355.00	.32500	316.00	.8361-01	.1054	.1054	.9500	.2519-02	.3177-02	.4329	3.464	539.8
574	355.00	.35000	317.00	.7394-01	.9226-01	.9226-01	.9500	.2228-02	.2780-02	.3993	2.877	532.5
574	355.00	.37500	318.00	.7173-01	.8977-01	.8977-01	.9500	.2161-02	.2705-02	.3828	2.838	534.6
574	355.00	.40000	319.00	.5695-01	.7153-01	.7153-01	.9500	.1716-02	.2156-02	.2994	2.408	537.2
574	355.00	.42500	320.00	.5905-01	.7452-01	.7452-01	.9500	.1779-02	.2246-02	.3049	2.388	540.3
574	378.00	.20000	323.00	.1203	.1545	.1545	.9500	.3626-02	.4654-02	.5843	5.009	550.6
574	378.00	.22500	324.00	.9077-01	.1155	.1155	.9500	.2735-02	.3481-02	.4541	3.772	545.7
574	378.00	.25000	325.00	.6830-01	.8621-01	.8621-01	.9500	.2058-02	.2598-02	.3526	2.821	540.4
574	378.00	.27500	326.00	.8150-01	.1033	.1033	.9500	.2456-02	.3113-02	.4140	3.535	543.1
574	378.00	.30000	327.00	.7153-01	.8985-01	.8985-01	.9500	.2156-02	.2707-02	.3763	2.941	537.1
574	378.00	.32500	328.00	.6204-01	.7785-01	.7785-01	.9500	.1869-02	.2346-02	.3274	2.941	536.5
574	378.00	.35000	329.00	.5844-01	.7272-01	.7272-01	.9500	.1761-02	.2191-02	.3191	2.339	530.5
574	378.00	.37500	330.00	.5289-01	.6585-01	.6585-01	.9500	.1594-02	.1984-02	.2880	2.290	531.0
574	378.00	.40000	331.00	.5405-01	.6752-01	.6752-01	.9500	.1629-02	.2035-02	.2905	2.419	533.3
574	378.00	.42500	332.00	.5319-01	.6657-01	.6657-01	.9500	.1603-02	.2006-02	.2837	2.301	534.6
574	400.00	.22500	334.00	.1171	.1501	.1501	.9500	.3528-02	.4522-02	.5713	4.977	549.8

IH102 83-0 FUSELAGE (R4W357)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
574	400.00	.25000	335.00	.8841-01	.1148	.1148	.9500	.2664-02	.3459-02	.4127	3.161	556.8
574	400.00	.27500	336.00	.7783-01	.9898-01	.9898-01	.9500	.2345-02	.2983-02	.3905	3.319	545.2
574	400.00	.30000	337.00	.5930-01	.7460-01	.7460-01	.9500	.1787-02	.2248-02	.3099	2.248	538.2
574	400.00	.32500	338.00	.5398-01	.6775-01	.6775-01	.9500	.1627-02	.2041-02	.2849	2.369	536.5
574	400.00	.35000	339.00	.5537-01	.6914-01	.6914-01	.9500	.1668-02	.2083-02	.2981	2.212	533.0
574	400.00	.40000	341.00	.5590-01	.7007-01	.7007-01	.9500	.1684-02	.2111-02	.2964	2.377	535.7
574	400.00	.42500	342.00	.6212-01	.7820-01	.7820-01	.9500	.1872-02	.2356-02	.3239	2.680	538.6
574	425.00	.32500	344.00	.7086-01	.8902-01	.8902-01	.9500	.2135-02	.2682-02	.3724	2.685	537.3
574	425.00	.35000	345.00	.7908-01	.9916-01	.9916-01	.9500	.2383-02	.2988-02	.4188	3.123	535.9
574	425.00	.37500	346.00	.7448-01	.9306-01	.9306-01	.9500	.2244-02	.2804-02	.4000	2.987	533.4
574	425.00	.40000	347.00	.7510-01	.9439-01	.9439-01	.9500	.2263-02	.2844-02	.3941	2.936	537.5
574	425.00	.42500	348.00	.7641-01	.9603-01	.9603-01	.9500	.2303-02	.2894-02	.4011	2.802	537.4

IH102 83-0 FUSELAGE (R4W358)

FUSELAGE (83-0)

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
568	3.503	4.020	-.1200-01	.0000	58.11	712.7	168.4	.3726	4.215	2557.	.5972-02	.1355-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
568	.3016-01	.8204-02

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
568	355.00	.20000	311.00	.1673-01	.2143-01	.2143-01	.9500	.5047-03	.6464-03	.8200-01	.7919	550.2
568	355.00	.22500	312.00	.1105-01	.1404-01	.1404-01	.9500	.3333-03	.4234-03	.5585-01	.4974	545.1
568	355.00	.25000	313.00	.1417-01	.1784-01	.1784-01	.9500	.4274-03	.5381-03	.7400-01	.5582	539.5
568	355.00	.27500	314.00	.1299-01	.1641-01	.1641-01	.9500	.3919-03	.4950-03	.6702-01	.5358	541.6
568	355.00	.30000	315.00	.2677-01	.3367-01	.3367-01	.9500	.8072-03	.1015-02	.1403	1.017	538.9
568	355.00	.32500	316.00	.3798-01	.4808-01	.4808-01	.9500	.1145-02	.1450-02	.1943	1.552	543.0
568	355.00	.35000	317.00	.3871-01	.4879-01	.4879-01	.9500	.1167-02	.1471-02	.2013	1.445	540.2
568	355.00	.37500	318.00	.6575-01	.8323-01	.8323-01	.9500	.1983-02	.2510-02	.3365	2.484	543.0
568	355.00	.40000	319.00	.6445-01	.8182-01	.8182-01	.9500	.1944-02	.2467-02	.3264	2.615	544.8
568	355.00	.42500	320.00	.7845-01	.9972-01	.9972-01	.9500	.2366-02	.3008-02	.3953	3.087	545.6
568	378.00	.20000	323.00	.3845-01	.4923-01	.4923-01	.9500	.1160-02	.1485-02	.1888	1.619	549.9
568	378.00	.22500	324.00	.3200-01	.4062-01	.4062-01	.9500	.9650-03	.1225-02	.1619	1.346	544.8
568	378.00	.25000	325.00	.2386-01	.3005-01	.3005-01	.9500	.7194-03	.9062-03	.1244	.9956	539.7
568	378.00	.27500	326.00	.3565-01	.4508-01	.4508-01	.9500	.1075-02	.1360-02	.1833	1.566	542.2
568	378.00	.30000	327.00	.4557-01	.5731-01	.5731-01	.9500	.1374-02	.1729-02	.2389	1.868	538.8
568	378.00	.32500	328.00	.4920-01	.6206-01	.6206-01	.9500	.1484-02	.1872-02	.2552	2.287	540.7
568	378.00	.35000	329.00	.3850-01	.4833-01	.4833-01	.9500	.1161-02	.1458-02	.2033	1.485	537.6
568	378.00	.37500	330.00	.3088-01	.3883-01	.3883-01	.9500	.9314-03	.1171-02	.1622	1.285	538.5
568	378.00	.40000	331.00	.5472-01	.6893-01	.6893-01	.9500	.1650-02	.2079-02	.2854	2.368	539.8
568	378.00	.42500	332.00	.3529-01	.4455-01	.4455-01	.9500	.1064-02	.1344-02	.1825	1.475	541.2
568	400.00	.22500	334.00	.6031-01	.7655-01	.7655-01	.9500	.1819-02	.2309-02	.3055	2.668	544.7

IH102 83-0 FUSELAGE (R4W358)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
568	400.00	.25000	335.00	.4844-01	.6153-01	.6153-01	.9500	.1461-02	.1856-02	.2447	1.885	545.2
568	400.00	.27500	336.00	.4179-01	.5290-01	.5290-01	.9500	.1260-02	.1595-02	.2137	1.818	543.1
568	400.00	.30000	337.00	.2972-01	.3736-01	.3736-01	.9500	.8964-03	.1127-02	.1561	1.133	538.5
568	400.00	.32500	338.00	.2367-01	.2979-01	.2979-01	.9500	.7139-03	.8984-03	.1239	1.029	539.1
568	400.00	.35000	339.00	.2508-01	.3150-01	.3150-01	.9500	.7565-03	.9501-03	.1323	.9791	537.8
568	400.00	.40000	341.00	.3162-01	.3981-01	.3981-01	.9500	.9535-03	.1201-02	.1651	1.321	539.5
568	400.00	.42500	342.00	.3158-01	.3989-01	.3989-01	.9500	.9523-03	.1203-02	.1628	1.345	541.7
568	425.00	.32500	344.00	.2782-01	.3492-01	.3492-01	.9500	.8390-03	.1053-02	.1470	1.060	537.4
568	425.00	.35000	345.00	.3164-01	.3977-01	.3977-01	.9500	.9543-03	.1199-02	.1664	1.240	538.3
568	425.00	.37500	346.00	.3557-01	.4457-01	.4457-01	.9500	.1073-02	.1344-02	.1891	1.410	536.3
568	425.00	.40000	347.00	.4031-01	.5070-01	.5070-01	.9500	.1216-02	.1529-02	.2113	1.573	538.9
568	425.00	.42500	348.00	.4474-01	.5621-01	.5621-01	.9500	.1349-02	.1695-02	.2357	1.646	538.0

FUSELAGE (83-0)

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = 6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
572	3.517	4.020	-.4214-02	6.014	58.08	710.7	167.9	.3725	4.214	2554.	.5987-02	.1351-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
572	.3014-01	.8191-02

TEST DATA

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
572	355.00	.20000	311.00	.2688-01	.3404-01	.3404-01	.9500	.8102-03	.1026-02	.1369	1.328	541.6
572	355.00	.22500	312.00	.8145-02	.1027-01	.1027-01	.9500	.2455-03	.3096-03	.4212-01	.3762	539.1
572	355.00	.25000	313.00	.3373-02	.4240-02	.4240-02	.9500	.1017-03	.1278-03	.1767-01	.1335	536.9
572	355.00	.32500	316.00	.1397-01	.1751-01	.1751-01	.9500	.4210-03	.5278-03	.7387-01	.5925	535.2
572	355.00	.35000	317.00	.4170-01	.5188-01	.5188-01	.9500	.1257-02	.1564-02	.2274	1.641	529.7
572	355.00	.37500	318.00	.5472-01	.6838-01	.6838-01	.9500	.1649-02	.2061-02	.2933	2.176	532.8
572	355.00	.40000	319.00	.6437-01	.8086-01	.8086-01	.9500	.1940-02	.2437-02	.3378	2.718	536.5
572	355.00	.42500	320.00	.8287-01	.1048	.1048	.9500	.2497-02	.3157-02	.4247	3.326	540.6
572	378.00	.20000	323.00	.3025-01	.3855-01	.3855-01	.9500	.9116-03	.1162-02	.1504	1.292	545.7
572	378.00	.22500	324.00	.1481-01	.1875-01	.1875-01	.9500	.4464-03	.5650-03	.7558-01	.6292	541.4
572	378.00	.25000	325.00	.6096-02	.7656-02	.7656-02	.9500	.1837-03	.2307-03	.3203-01	.2568	536.3
572	378.00	.27500	326.00	.4503-02	.5665-02	.5665-02	.9500	.1357-03	.1707-03	.2352-01	.2014	537.4
572	378.00	.30000	327.00	.2572-01	.3221-01	.3221-01	.9500	.7751-03	.9708-03	.1367	1.070	534.4
572	378.00	.32500	328.00	.6625-01	.8316-01	.8316-01	.9500	.1997-02	.2506-02	.3487	3.133	536.0
572	378.00	.35000	329.00	.8521-01	.1062	.1062	.9500	.2568-02	.3201-02	.4613	3.381	531.0
572	378.00	.37500	330.00	.7840-01	.9783-01	.9783-01	.9500	.2363-02	.2948-02	.4227	3.360	531.8
572	378.00	.40000	331.00	.7114-01	.8907-01	.8907-01	.9500	.2144-02	.2684-02	.3784	3.150	534.2
572	378.00	.42500	332.00	.6957-01	.8734-01	.8734-01	.9500	.2097-02	.2632-02	.3664	2.969	535.9
572	400.00	.22500	334.00	.4760-01	.6044-01	.6044-01	.9500	.1434-02	.1822-02	.2398	2.096	543.5
572	400.00	.25000	335.00	.7174-01	.9283-01	.9283-01	.9500	.2162-02	.2798-02	.3381	2.593	554.3
572	400.00	.27500	336.00	.9105-01	.1158	.1158	.9500	.2744-02	.3491-02	.4560	3.876	544.5

IH102 83-0 FUSELAGE (R4W359)

RUN NUMBER	ZO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
572	400.00	.30000	337.00	.8090-01	.1019	1019	.9500	.2438-02	.3072-02	.4199	3.046	538.4
572	400.00	.32500	338.00	.7213-01	.9067-01	9067-01	.9500	.2174-02	.2733-02	.3777	3.139	536.9
572	400.00	.35000	339.00	.6728-01	.8406-01	8406-01	.9500	.2028-02	.2533-02	.3608	2.677	532.7
572	400.00	.37500	340.00	.4374-03	.4734-03	4734-03	.9500	.1318-04	.1427-04	.6161-02	.5395-01	243.4
572	400.00	.40000	341.00	.5203-01	.6531-01	6531-01	.9500	.1568-02	.1968-02	.2739	2.196	536.0
572	400.00	.42500	342.00	.4982-01	.6285-01	.6285-01	.9500	.1502-02	.1894-02	.2574	2.129	539.3
572	425.00	.32500	344.00	.5784-01	.7228-01	.7228-01	.9500	.1743-02	.2178-02	.3099	2.240	532.9
572	425.00	.35000	345.00	.5946-01	.7414-01	.7414-01	.9500	.1792-02	.2234-02	.3217	2.405	531.1
572	425.00	.37500	346.00	.5433-01	.6758-01	.6758-01	.9500	.1637-02	.2037-02	.2967	2.220	529.5
572	425.00	.40000	347.00	.5306-01	.6646-01	.6646-01	.9500	.1599-02	.2003-02	.2818	2.103	534.5
572	425.00	.42500	348.00	.5218-01	.6547-01	.6547-01	.9500	.1573-02	.1973-02	.2752	1.924	535.7

CCL LINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. F	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
566	1.070	3.010	-4.930	.0000	10.00	693.7	246.7	.2682	1.701	2318.	.2935-02	.1975-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
566	.1905-01	.1165-01

TEST DATA

RUN NUMBER	DUMMY	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
566	1.0000	.50000-01	351.00	.1051	.1360	.1360	.9500	.2002-02	.2590-02	.3058	2.518	540.9
566	1.0000	.75000-01	352.00	.7594-01	.9737-01	.9737-01	.9500	.1447-02	.1855-02	.2280	1.896	536.1
566	1.0000	.10000+00	353.00	.6802-01	.8699-01	.8699-01	.9500	.1296-02	.1658-02	.2062	1.755	534.6
566	1.0000	.12500	354.00	.6994-01	.8975-01	.8975-01	.9500	.1333-02	.1710-02	.2094	1.748	536.5
566	1.0000	.15000	355.00	.9372-01	.1196	.1196	.9500	.1786-02	.2279-02	.2863	2.349	533.4
566	1.0000	.17500	356.00	.1148	.1466	.1466	.9500	.2188-02	.2793-02	.3503	2.523	533.6
566	1.0000	.20000	357.00	.1245	.1593	.1593	.9500	.2372-02	.3036-02	.3765	3.216	535.0
566	1.0000	.32500	360.00	.2280-02	.2887-02	.2887-02	.9500	.4344-04	.5500-04	.7169-02	.5365-01	528.7
566	1.0000	.35000	361.00	.1514-01	.1915-01	.1915-01	.9500	.2885-03	.3649-03	.4782-01	.3521	527.9
566	1.0000	.37500	362.00	.4503-01	.5690-01	.5690-01	.9500	.8579-03	.1084-02	.1426	1.068	527.4
566	1.0000	.40000	363.00	.5769-01	.7338-01	.7338-01	.9500	.1099-02	.1398-02	.1783	1.249	531.5
566	1.0000	.42500	364.00	.6991-01	.8907-01	.8907-01	.9500	.1332-02	.1697-02	.2148	1.504	532.4

IH102 83-0 CCL L'NE (R4W252)

CCL LINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
558	3.529	3.010	-4.954	.3454-02	34.08	709.7	252.4	.9140	5.797	2344.	.9775-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
558	.3532-01	.6405-02

TEST DATA

RUN NUMBER	DUMMY	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TC	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
558	1.0000	.50000-01	351.00	.8281-01	.1087	.1087	.9500	.2924-02	.3838-02	.4359	3.554	560.6
558	1.0000	.75000-01	352.00	.6439-01	.8331-01	.8331-01	.9500	.2274-02	.2942-02	.3551	2.927	553.5
558	1.0000	.10000+00	353.00	.1199	.1563	.1563	.9500	.4235-02	.5521-02	.6448	5.426	557.4
558	1.0000	.12500	354.00	.1662	.2217	.2217	.9500	.5869-02	.7828-02	.8323	6.836	567.9
558	1.0000	.15000	355.00	.1643	.2174	.2174	.9500	.5801-02	.7676-02	.8429	6.808	564.4
558	1.0000	.17500	356.00	.1603	.2119	.2119	.9500	.5662-02	.7482-02	.8257	5.856	563.8
558	1.0000	.20000	357.00	.1351	.1774	.1774	.9500	.4770-02	.6265-02	.7093	5.980	561.0
558	1.0000	.32500	360.00	.1777-01	.2239-01	.2239-01	.9500	.6277-03	.7909-03	.1079	.8042	537.7
558	1.0000	.35000	361.00	.4153-01	.5240-01	.5240-01	.9500	.1467-02	.1851-02	.2508	1.837	538.6
558	1.0000	.37500	362.00	.3305-01	.4171-01	.4171-01	.9500	.1167-02	.1473-02	.1995	1.485	538.8
558	1.0000	.40000	363.00	.3653-01	.4627-01	.4627-01	.9500	.1290-02	.1634-02	.2174	1.516	541.2
558	1.0000	.42500	364.00	.3893-01	.4943-01	.4943-01	.9500	.1375-02	.1746-02	.2297	1.600	542.6

CCL LINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = 6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
562	3.525	3.010	-4.967	5.954	34.04	709.7	252.4	.9130	5.790	2344.	.9765-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
562	.3530-01	.6408-02

TEST DATA

RUN NUMBER	DUMMY	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
562	1.0000	.50000-01	351.00	.1309	.1741	.1741	.9500	.4619-02	.6147-02	.6592	5.357	566.9
562	1.0000	.75000-01	352.00	.9510-01	.1247	.1247	.9500	.3357-02	.4403-02	.5013	4.118	560.3
562	1.0000	.10000+00	353.00	.8652-01	.1143	.1143	.9500	.3054-02	.4035-02	.4455	3.736	563.8
562	1.0000	.12500	354.00	.8737-01	.1165	.1165	.9500	.3084-02	.4113-02	.4373	3.592	567.9
562	1.0000	.15000	355.00	.1334	.1779	.1779	.9500	.4710-02	.6281-02	.6682	5.388	567.8
562	1.0000	.17500	356.00	.1805	.2427	.2427	.9500	.6373-02	.8567-02	.8827	6.238	571.2
562	1.0000	.20000	357.00	.1813	.2437	.2437	.9500	.6401-02	.8603-02	.8874	7.444	571.0
562	1.0000	.27500	358.00	.6891-01	.8847-01	.8847-01	.9500	.2432-02	.3123-02	.3903	2.710	549.2
562	1.0000	.30000	359.00	.6533-01	.8348-01	.8348-01	.9500	.2306-02	.2946-02	.3765	2.703	546.4
562	1.0000	.32500	360.00	.8371-01	.1065	.1065	.9500	.2955-02	.3761-02	.4892	3.633	544.1
562	1.0000	.35000	361.00	.8798-01	.1118	.1118	.9500	.3105-02	.3946-02	.5172	3.780	543.1
562	1.0000	.37500	362.00	.8777-01	.1114	.1114	.9500	.3098-02	.3934-02	.5175	3.846	542.6
562	1.0000	.40000	363.00	.9197-01	.1174	.1174	.9500	.3246-02	.4145-02	.5312	3.695	546.0
562	1.0000	.42500	364.00	.9607-01	.1230	.1230	.9500	.3391-02	.4342-02	.5495	3.819	547.6

IH102 83-0 CCL LINE (R4W254)

CCL LINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
564	1.065	3.010	.3400-01	.1187-04	10.01	696.7	247.7	.2686	1.703	2323.	.2926-02	.1983-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
564	.1908-01	.1168-01

TEST DATA

RUN NUMBER	DUMMY	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
564	1.0000	.50000-01	351.00	.1407	.1848	.1848	.9500	.2685-02	.3527-02	.3917	3.209	550.8
564	1.0000	.75000-01	352.00	.1356	.1762	.1762	.9500	.2587-02	.3363-02	.3908	3.234	545.6
564	1.0000	.10000+00	353.00	.1524	.1974	.1974	.9500	.2908-02	.3766-02	.4446	3.766	543.8
564	1.0000	.12500	354.00	.1514	.1971	.1971	.9500	.2889-02	.3761-02	.4342	3.605	546.4
564	1.0000	.15000	355.00	.1696	.2199	.2199	.9500	.3237-02	.4197-02	.4928	4.021	544.4
564	1.0000	.17500	356.00	.2115	.2743	.2743	.9500	.4036-02	.5234-02	.6141	4.398	544.5
564	1.0000	.20000	357.00	.1792	.2327	.2327	.9500	.3420-02	.4440-02	.5186	4.408	545.0
564	1.0000	.27500	358.00	.1563	.2006	.2006	.9500	.2982-02	.3827-02	.4705	3.284	538.9
564	1.0000	.30000	359.00	.1414	.1814	.1814	.9500	.2699-02	.3461-02	.4266	3.075	538.6
564	1.0000	.32500	360.00	.1720	.2207	.2207	.9500	.3283-02	.4210-02	.5189	3.864	538.6
564	1.0000	.35000	361.00	.2065	.2654	.2654	.9500	.3941-02	.5065-02	.6186	4.529	539.7
564	1.0000	.37500	362.00	.2467	.3157	.3157	.9500	.4708-02	.6024-02	.7506	5.593	537.2
564	1.0000	.40000	363.00	.2669	.3417	.3417	.9500	.5094-02	.6520-02	.8109	5.665	537.5
564	1.0000	.42500	364.00	.2682	.3423	.3423	.9500	.5118-02	.6532-02	.8234	5.757	535.8

IH102 83-0 CCL LINE (R4W254)

CCL LINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
556	3.542	3.010	-.6000-02	.8378-05	34.00	706.7	251.3	.9117	5.782	2339.	.9792-02	.2010-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
556	.3525-01	.6395-02

TEST DATA

RUN NUMBER	DUMMY	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
556	1.0000	.50000-01	351.00	.5648-01	.7671-01	.7671-01	.9500	.1991-02	.2704-02	.2667	2.162	572.7
556	1.0000	.75000-01	352.00	.5337-01	.7108-01	.7108-01	.9500	.1881-02	.2505-02	.2668	2.187	564.8
556	1.0000	.10000+00	353.00	.5221-01	.6911-01	.6911-01	.9500	.1840-02	.2436-02	.2660	2.233	562.1
556	1.0000	.12500	354.00	.8701-01	.1155	.1155	.9500	.3067-02	.4072-02	.4391	3.614	563.5
556	1.0000	.15000	355.00	.1234	.1634	.1634	.9500	.4348-02	.5758-02	.6278	5.076	562.3
556	1.0000	.17500	356.00	.1569	.2086	.2086	.9500	.5532-02	.7353-02	.7891	5.596	564.0
556	1.0000	.20000	357.00	.1363	.1814	.1814	.9500	.4802-02	.6393-02	.6818	5.737	564.7
556	1.0000	.27500	358.00	.1462-01	.1872-01	.1872-01	.9500	.5154-03	.6599-03	.8317-01	.5787	545.3
556	1.0000	.30000	359.00	.1934-01	.2476-01	.2476-01	.9500	.6817-03	.8726-03	.1101	.7910	545.1
556	1.0000	.32500	360.00	.3618-01	.4633-01	.4633-01	.9500	.1275-02	.1633-02	.2057	1.527	545.3
556	1.0000	.35000	361.00	.4457-01	.5722-01	.5722-01	.9500	.1571-02	.2017-02	.2511	1.831	546.8
556	1.0000	.37500	362.00	.5246-01	.6728-01	.6728-01	.9500	.1849-02	.2371-02	.2965	2.199	546.3
556	1.0000	.40000	363.00	.6021-01	.7745-01	.7745-01	.9500	.2122-02	.2730-02	.3368	2.340	547.9
556	1.0000	.42500	364.00	.6523-01	.8386-01	.8386-01	.9500	.2299-02	.2956-02	.3656	2.540	547.7

IH102 83-0 CCL LINE (R4W255)

CCL LINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = 6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
560	3.527	3.010	-.6256-02	5.952	34.06	709.7	252.4	.9135	5.794	2344.	.9770-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
560	.3531-01	.6407-02

TEST DATA

RUN NUMBER	DUMMY	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
560	1.0000	.50000-01	351.00	.1329	.1786	.1786	.9500	.4694-02	.6306-02	.6513	5.282	570.9
560	1.0000	.75000-01	352.00	.7930-01	.1052	.1052	.9500	.2800-02	.3714-02	.4035	3.306	565.5
560	1.0000	.10000+00	353.00	.7626-01	.1012	.1012	.9500	.2693-02	.3573-02	.3877	3.248	565.7
560	1.0000	.12500	354.00	.6346-01	.8485-01	.8485-01	.9500	.2240-02	.2996-02	.3153	2.589	568.9
560	1.0000	.15000	355.00	.5607-01	.7424-01	.7424-01	.9500	.1980-02	.2621-02	.2870	2.318	564.7
560	1.0000	.17500	356.00	.3772-01	.4972-01	.4972-01	.9500	.1332-02	.1755-02	.1959	1.390	562.6
560	1.0000	.20000	357.00	.3630-01	.4777-01	.4777-01	.9500	.1282-02	.1687-02	.1893	1.595	562.0
560	1.0000	.27500	358.00	.8736-01	.1118	.1118	.9500	.3084-02	.3948-02	.5002	3.477	547.5
560	1.0000	.30000	359.00	.7904-01	.1007	.1007	.9500	.2790-02	.3554-02	.4609	3.312	544.5
560	1.0000	.32500	360.00	.9068-01	.1153	.1153	.9500	.3202-02	.4070-02	.5325	3.956	543.4
560	1.0000	.35000	361.00	.9920-01	.1259	.1259	.9500	.3502-02	.4445-02	.5858	4.282	542.4
560	1.0000	.37500	362.00	.9635-01	.1222	.1222	.9500	.3402-02	.4315-02	.5702	4.238	542.1
560	1.0000	.40000	363.00	.9378-01	.1197	.1197	.9500	.3311-02	.4226-02	.5425	3.773	545.8
560	1.0000	.42500	364.00	.1010	.1292	.1292	.9500	.3567-02	.4563-02	.5797	4.029	547.1

IH102 83-0 CCL LINE (R4W256)

CCL LINE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
570	3.520	4.020	-4.944	.0000	58.14	710.7	167.9	.3728	4.217	2554.	.5992-02	.1351-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
570	.3015-01	.8187-02

TEST DATA

RUN NUMBER	DUMMY	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
570	1.0000	.50000-01	351.00	.6509-01	.8449-01	.8449-01	.9500	.1963-02	.2547-02	.3038	2.483	555.9
570	1.0000	.75000-01	352.00	.5024-01	.6430-01	.6430-01	.9500	.1515-02	.1939-02	.2461	2.034	548.2
570	1.0000	.10000+00	353.00	.7471-01	.9576-01	.9576-01	.9500	.2253-02	.2887-02	.3641	3.077	549.0
570	1.0000	.12500	354.00	.1170	.1511	.1511	.9500	.3529-02	.4557-02	.5557	4.598	553.2
570	1.0000	.15000	355.00	.1152	.1477	.1477	.9500	.3474-02	.4455-02	.5609	4.566	549.2
570	1.0000	.17500	356.00	.1292	.1657	.1657	.9500	.3897-02	.4997-02	.6290	4.494	549.3
570	1.0000	.20000	357.00	.1119	.1431	.1431	.9500	.3373-02	.4313-02	.5497	4.666	547.7
570	1.0000	.35000	361.00	.7278-02	.9049-02	.9049-02	.9500	.2195-03	.2728-03	.3986-01	.2934	529.0
570	1.0000	.37500	362.00	.2383-01	.2960-01	.2960-01	.9500	.7185-03	.8926-03	.1308	.9793	528.6
570	1.0000	.40000	363.00	.2572-01	.3211-01	.3211-01	.9500	.7756-03	.9683-03	.1385	.9699	532.1
570	1.0000	.42500	364.00	.3018-01	.3774-01	.3774-01	.9500	.9100-03	.1138-02	.1614	1.130	533.3

IH102 83-0 CCL LINE (R4W257)

CCL LINE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = 6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
574	3.506	4.020	-5.030	6.032	58.03	711.7	168.2	.3722	4.210	2556.	.5973-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
574	.3013-01	.8202-02

TEST DATA

RUN NUMBER	DUMMY	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
574	1.0000	.50000-01	351.00	.1212	.1584	.1584	.9500	.3651-02	.4772-02	.5529	4.508	560.2
574	1.0000	.75000-01	352.00	.8798-01	.1132	.1132	.9500	.2651-02	.3412-02	.4232	3.491	552.0
574	1.0000	.10000+00	353.00	.7492-01	.9663-01	.9663-01	.9500	.2258-02	.2912-02	.3576	3.015	553.3
574	1.0000	.12500	354.00	.7477-01	.9695-01	.9695-01	.9500	.2253-02	.2921-02	.3505	2.896	556.1
574	1.0000	.15000	355.00	.9691-01	.1251	.1251	.9500	.2920-02	.3769-02	.4612	3.745	553.7
574	1.0000	.17500	356.00	.1363	.1762	.1762	.9500	.4108-02	.5308-02	.6466	4.608	554.3
574	1.0000	.20000	357.00	.1396	.1802	.1802	.9500	.4206-02	.5430-02	.6644	5.622	553.7
574	1.0000	.27500	358.00	.2873-01	.3595-01	.3595-01	.9500	.8656-03	.1083-02	.1534	1.073	534.5
574	1.0000	.30000	359.00	.3215-01	.4015-01	.4015-01	.9500	.9686-03	.1210-02	.1730	1.250	533.1
574	1.0000	.32500	360.00	.5683-01	.7076-01	.7076-01	.9500	.1712-02	.2132-02	.3094	2.313	531.0
574	1.0000	.35000	361.00	.7101-01	.8833-01	.8833-01	.9500	.2140-02	.2662-02	.3884	2.857	530.2
574	1.0000	.37500	362.00	.6369-01	.7911-01	.7911-01	.9500	.1919-02	.2384-02	.3504	2.622	529.1
574	1.0000	.40000	363.00	.6426-01	.8022-01	.8022-01	.9500	.1936-02	.2417-02	.3462	2.424	532.8
574	1.0000	.42500	364.00	.6490-01	.8115-01	.8115-01	.9500	.1956-02	.2445-02	.3475	2.432	534.0

IH102 83-0 CCL LINE (R4W258)

CCL LINE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
568	3.503	4.020	-.1200-01	.0000	58.11	712.7	168.4	.3726	4.215	2557.	.5972-02	.1355-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
568	.3016-01	.8204-02

TEST DATA

RUN NUMBER	DUMMY	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
568	1.0000	.50000-01	351.00	.5552-01	.7284-01	.7284-01	.9500	.1674-02	.2197-02	.2510	2.044	562.8
568	1.0000	.75000-01	352.00	.5109-01	.6571-01	.6571-01	.9500	.1541-02	.1982-02	.2466	2.034	552.6
568	1.0000	.10000+00	353.00	.4513-01	.5794-01	.5794-01	.9500	.1361-02	.1747-02	.2193	1.851	551.5
568	1.0000	.12500	354.00	.3247-01	.4161-01	.4161-01	.9500	.9792-03	.1255-02	.1588	1.316	550.5
568	1.0000	.15000	355.00	.3568-01	.4546-01	.4546-01	.9500	.1076-02	.1371-02	.1782	1.452	547.1
568	1.0000	.17500	356.00	.4924-01	.6278-01	.6278-01	.9500	.1485-02	.1893-02	.2454	1.755	547.4
568	1.0000	.20000	357.00	.6499-01	.8291-01	.8291-01	.9500	.1960-02	.2500-02	.3231	2.742	547.8
568	1.0000	.32500	360.00	.1395-02	.1737-02	.1737-02	.9500	.4209-04	.5239-04	.7625-02	.5699-01	531.5
568	1.0000	.35000	361.00	.1770-01	.2210-01	.2210-01	.9500	.5339-03	.6664-03	.9569-01	.7028	533.4
568	1.0000	.37500	362.00	.2145-01	.2674-01	.2674-01	.9500	.6469-03	.8054-03	.1165	.8702	532.6
568	1.0000	.40000	363.00	.2704-01	.3375-01	.3375-01	.9500	.8155-03	.1018-02	.1461	1.023	533.5
568	1.0000	.42500	364.00	.3267-01	.4075-01	.4075-01	.9500	.9852-03	.1229-02	.1770	1.239	533.0

CCL LINE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = 6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
572	3.517	4.020	-.4214-02	6.014	58.08	710.7	167.9	.3725	4.214	2554.	.5987-02	.1351-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
572	.3014-01	.8191-02

TEST DATA

RUN NUMBER	DUMMY	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
572	1.0000	.50000-01	351.00	.1132	.1471	.1471	.9500	.3410-02	.4434-02	.5248	4.287	556.8
572	1.0000	.75000-01	352.00	.7466-01	.9599-01	.9599-01	.9500	.2250-02	.2893-02	.3599	2.971	550.7
572	1.0000	.10000+00	353.00	.6668-01	.8608-01	.8608-01	.9500	.2010-02	.2594-02	.3170	2.673	552.9
572	1.0000	.12500	354.00	.6379-01	.8282-01	.8282-01	.9500	.1923-02	.2496-02	.2973	2.457	556.0
572	1.0000	.15000	355.00	.5609-01	.7212-01	.7212-01	.9500	.1690-02	.2174-02	.2701	2.197	550.9
572	1.0000	.17500	356.00	.4237-01	.5423-01	.5423-01	.9500	.1277-02	.1634-02	.2074	1.482	548.2
572	1.0000	.20000	357.00	.2846-01	.3628-01	.3628-01	.9500	.8578-03	.1093-02	.1415	1.202	545.7
572	1.0000	.27500	358.00	.5822-01	.7272-01	.7272-01	.9500	.1755-02	.2192-02	.3127	2.190	532.5
572	1.0000	.30000	359.00	.5609-01	.6986-01	.6986-01	.9500	.1691-02	.2105-02	.3049	2.206	530.3
572	1.0000	.32500	360.00	.6587-01	.8178-01	.8178-01	.9500	.1985-02	.2465-02	.3627	2.715	528.0
572	1.0000	.35000	361.00	.6775-01	.8397-01	.8397-01	.9500	.2042-02	.2531-02	.3756	2.768	526.7
572	1.0000	.37500	362.00	.6618-01	.8192-01	.8192-01	.9500	.1994-02	.2469-02	.3688	2.764	525.8
572	1.0000	.40000	363.00	.6839-01	.8506-01	.8506-01	.9500	.2061-02	.2564-02	.3736	2.620	529.4
572	1.0000	.42500	364.00	.6890-01	.8583-01	.8583-01	.9500	.2077-02	.2587-02	.3741	2.623	530.5

IH102 83-0 TOP CENTERLINE (R4W552)

TOP CENTERLINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
567	1.073	3.010	-4.928	-.1718-02	10.00	692.7	246.3	.2682	1.701	2316.	.2939-02	.1972-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
567	.1905-01	.1164-01

TEST DATA

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
567	.00000	.00000	367.00	.6149	.8461	.8461	.9500	.1171-01	.1612-01	1.485	12.44	565.9
567	.00000	.80000-03	368.00	.5745-04	.7186-04	.7186-04	.9500	.1094-05	.1369-05	.1890-03	.1501-02	520.0
567	.00000	.19000-02	369.00	.4989	.6660	.6660	.9500	.9504-02	.1269-01	1.312	11.10	554.6
567	.00000	.37000-02	370.00	.4462	.5885	.5885	.9500	.8500-02	.1121-01	1.217	9.908	549.4
567	.00000	.58000-02	371.00	.3089	.4088	.4088	.9500	.5885-02	.7788-02	.8343	8.458	550.9
567	.00000	.87000-02	372.00	.3096	.4049	.4049	.9500	.5897-02	.7714-02	.8673	7.204	545.6
567	.00000	.11800-01	373.00	.2626	.3401	.3401	.9500	.5002-02	.6478-02	.7605	5.793	540.6
567	.00000	.15100-01	374.00	.2181	.2807	.2807	.9500	.4155-02	.5347-02	.6451	4.922	537.4
567	.00000	.18200-01	375.00	.2041	.2624	.2624	.9500	.3888-02	.4999-02	.6062	4.430	536.8
567	.00000	.21500-01	376.00	.1629	.2093	.2093	.9500	.3103-02	.3987-02	.4845	3.673	536.5
567	.00000	.24600-01	377.00	.1863	.2459	.2459	.9500	.3550-02	.4685-02	.5074	3.914	549.7
567	.00000	.27800-01	378.00	.1508	.1948	.1948	.9500	.2873-02	.3710-02	.4407	3.771	539.2
567	.00000	.60900-01	379.00	.3297	.4358	.4358	.9500	.6281-02	.8302-02	.8937	7.217	550.4
567	.00000	.64600-01	380.00	.2456	.3230	.3230	.9500	.4679-02	.6152-02	.6767	6.541	548.1
567	.00000	.68400-01	381.00	.2841	.3729	.3729	.9500	.5412-02	.7104-02	.7871	6.037	547.2
567	.00000	.72100-01	382.00	.2697	.3525	.3525	.9500	.5138-02	.6715-02	.7578	5.759	545.2
567	.00000	.76000-01	383.00	.2584	.3369	.3369	.9500	.4922-02	.6418-02	.7312	5.429	544.1
567	.00000	.79600-01	384.00	.2343	.3052	.3052	.9500	.4463-02	.5814-02	.6655	4.753	543.6
567	.00000	.95300-01	385.00	.2683	.3530	.3530	.9500	.5111-02	.6725-02	.7373	5.691	548.4
567	.00000	.98900-01	386.00	.2334	.3073	.3073	.9500	.4446-02	.5854-02	.6401	5.368	548.7
567	.00000	.10190	387.00	.2234	.2944	.2944	.9500	.4255-02	.5609-02	.6106	4.934	549.2

IH102 83-0 TOP CENTERLINE (R4W552)

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
567	.00000	.11600	388.00	.2154	.2878	.2878	.9500	.4104-02	.5482-02	.5651	5.878	555.0
567	.00000	.11950	389.00	.3074	.4075	.4075	.9500	.5856-02	.7762-02	.8260	5.640	551.6
567	.00000	.12310	390.00	.2993	.3937	.3937	.9500	.5702-02	.7499-02	.8239	5.189	548.2
567	.00000	.12680	391.00	.2839	.3706	.3706	.9500	.5407-02	.7060-02	.8000	4.991	544.7
567	.00000	.13050	392.00	.2990	.3898	.3898	.9500	.5696-02	.7425-02	.8472	4.916	543.9
567	.00000	.13380	393.00	.2996	.3915	.3915	.9500	.5707-02	.7457-02	.8423	4.949	545.1
567	.00000	.13760	394.00	.3052	.3978	.3978	.9500	.5814-02	.7579-02	.8648	5.124	543.9
567	.00000	.14110	395.00	.2756	.3590	.3590	.9500	.5249-02	.6839-02	.7824	5.204	543.6
567	.00000	.14480	396.00	.2940	.3826	.3826	.9500	.5600-02	.7289-02	.8370	5.619	543.2
567	.00000	.14830	397.00	.3356	.4414	.4414	.9500	.6392-02	.8409-02	.9231	6.181	548.3
567	.00000	.15190	398.00	.4886	.6479	.6479	.9500	.9307-02	.1234-01	1.311	9.238	551.8
567	.00000	.15560	399.00	.5581	.7501	.7501	.9500	.1063-01	.1429-01	1.439	10.65	557.4
567	.00000	.15820	400.00	.6126	.8240	.8240	.9500	.1167-01	.1570-01	1.575	11.54	557.7
567	.00000	.16080	401.00	.5823	.7842	.7842	.9500	.1109-01	.1494-01	1.492	11.38	558.2
567	.00000	.16350	402.00	.5730	.7714	.7714	.9500	.1092-01	.1469-01	1.470	11.66	558.0
567	.00000	.16640	403.00	.5604	.7515	.7515	.9500	.1067-01	.1432-01	1.453	11.83	556.5
567	.00000	.16910	404.00	.5584	.7503	.7503	.9500	.1064-01	.1429-01	1.441	11.76	557.2
567	.00000	.17200	405.00	.5648	.7596	.7596	.9500	.1076-01	.1447-01	1.453	11.86	557.6
567	.00000	.17480	406.00	.5442	.7241	.7241	.9500	.1037-01	.1379-01	1.445	11.83	553.3
567	.00000	.17690	407.00	.5227	.6880	.6880	.9500	.9957-02	.1311-01	1.435	11.04	548.5
567	.00000	.18000	408.00	.5231	.6815	.6815	.9500	.9966-02	.1298-01	1.486	10.09	543.6
567	.00000	.18310	409.00	.4128	.5305	.5305	.9500	.7864-02	.1011-01	1.228	8.525	536.6
567	.00000	.18630	410.00	.3620	.4635	.4635	.9500	.6896-02	.8830-02	1.091	7.583	534.5
567	.00000	.18940	411.00	.3243	.4119	.4119	.9500	.6177-02	.7847-02	1.006	6.715	529.9
567	.00000	.19310	412.00	.3712-03	.4021-03	.4021-03	.9500	.7070-05	.7659-05	.3185-02	.2684-01	242.2
567	.00000	.19720	413.00	.1729	.2168	.2168	.9500	.3294-02	.4130-02	.5635	4.232	521.6
567	.00000	.20490	414.00	.6622-01	.8279-01	.8279-01	.9500	.1261-02	.1577-02	.2182	1.640	519.7
567	.00000	.22500	415.00	.1774-01	.2223-01	.2223-01	.9500	.3380-03	.4235-03	.5800-01	.5916	521.1
567	.00000	.25000	416.00	.2371-01	.3001-01	.3001-01	.9500	.4516-03	.5716-03	.7448-01	.6386	527.7
567	.00000	.27500	417.00	.3654-01	.4666-01	.4666-01	.9500	.6960-03	.8889-03	.1111	.7541	533.1
567	.00000	.30000	418.00	.4481-01	.5710-01	.5710-01	.9500	.8537-03	.1088-02	.1374	.8799	531.7
567	.00000	.32500	419.00	.3950-01	.5016-01	.5016-01	.9500	.7524-03	.9555-03	.1226	.8336	529.7
567	.00000	.35000	420.00	.3487-01	.4416-01	.4416-01	.9500	.6642-03	.8412-03	.1093	.7626	528.1
567	.00000	.37500	421.00	.2478-01	.3150-01	.3150-01	.9500	.4721-03	.6000-03	.7667-01	.5228	530.3
567	.00000	.40000	422.00	.1816-01	.2320-01	.2320-01	.9500	.3460-03	.4420-03	.5517-01	.3768	533.2
567	.00000	.42500	423.00	.8527-02	.1102-01	.1102-01	.9500	.1624-03	.2100-03	.2485-01	.1756	539.7

IH102 83-0 TOP CENTERLINE (R4W552)

TOP CENTERLINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEC. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
559	3.538	3.010	-4.946	.0000	34.03	707 7	251.7	.9127	5.788	2341.	.9789-02	.2013-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
559	.3527-01	.6398-02

TEST DATA

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
559	.00000	.00000	367.00	.6139	.9567	.9567	.9500	.2165-01	.3374-01	2.139	17.54	608.9
559	.00000	.80000-03	368.00	.2680	.3436	.3436	.9500	.9452-02	.1212-01	1.519	11.90	546.9
559	.00000	.19000-02	369.00	.4839	.7026	.7026	.9500	.1707-01	.2478-01	1.941	16.10	594.0
559	.00000	.37000-02	370.00	.4326	.6082	.6082	.9500	.1526-01	.2145-01	1.870	14.95	585.1
559	.00000	.58000-02	371.00	.3003	.4216	.4216	.9500	.1059-01	.1487-01	1.302	12.98	584.7
559	.00000	.87000-02	372.00	.3100	.4225	.4225	.9500	.1093-01	.1490-01	1.452	11.89	574.8
559	.00000	.11800-01	373.00	.2706	.3601	.3601	.9500	.9546-02	.1270-01	1.360	10.23	565.2
559	.00000	.15100-01	374.00	.2230	.2935	.2935	.9500	.7866-02	.1035-01	1.159	8.743	560.3
559	.00000	.18200-01	375.00	.2071	.2722	.2722	.9500	.7303-02	.9601-02	1.080	7.801	559.8
559	.00000	.21500-01	376.00	.1689	.2200	.2200	.9500	.5956-02	.7759-02	.9070	6.810	555.4
559	.00000	.24600-01	377.00	.2023	.2730	.2730	.9500	.7135-02	.9628-02	.9751	7.441	571.0
559	.00000	.27800-01	378.00	.2234	.3005	.3005	.9500	.7879-02	.1060-01	1.086	9.147	569.9
559	.00000	.60900-01	379.00	.4004	.5691	.5691	.9500	.1412-01	.2007-01	1.687	13.36	588.3
559	.00000	.64600-01	380.00	.3166	.4452	.4452	.9500	.1117-01	.1570-01	1.368	12.98	585.2
559	.00000	.68400-01	381.00	.3776	.5295	.5295	.9500	.1332-01	.1868-01	1.643	12.37	584.3
559	.00000	.72100-01	382.00	.3658	.5059	.5059	.9500	.1290-01	.1784-01	1.648	12.31	579.9
559	.00000	.76000-01	383.00	.3509	.4828	.4828	.9500	.1238-01	.1703-01	1.603	11.70	578.2
559	.00000	.79600-01	384.00	.3248	.4446	.4446	.9500	.1146-01	.1568-01	1.505	10.58	576.3
559	.00000	.95300-01	385.00	.3214	.4460	.4460	.9500	.1134-01	.1573-01	1.435	10.90	581.1
559	.00000	.98900-01	386.00	.2978	.4126	.4126	.9500	.1050-01	.1455-01	1.335	11.02	580.5
559	.00000	.10190	387.00	.2958	.4110	.4110	.9500	.1043-01	.1450-01	1.317	10.47	581.4

IH102 83-0 TOP CENTERLINE (R4W552)

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
559	.00000	.11600	388.00	.2648	.3822	.3822	.9500	.9340-02	.1348-01	1.076	10.98	592.5
559	.00000	.11950	389.00	.3992	.5650	.5650	.9500	.1408-01	.1993-01	1.698	11.39	587.1
559	.00000	.12310	390.00	.4058	.5644	.5644	.9500	.1431-01	.1991-01	1.802	11.16	581.8
559	.00000	.12680	391.00	.3882	.5322	.5322	.9500	.1369-01	.1877-01	1.791	10.99	576.9
559	.00000	.13050	392.00	.4104	.5618	.5618	.9500	.1448-01	.1982-01	1.901	10.85	576.4
559	.00000	.13380	393.00	.4082	.5608	.5608	.9500	.1440-01	.1978-01	1.873	10.83	577.6
559	.00000	.13760	394.00	.4111	.5632	.5632	.9500	.1450-01	.1986-01	1.899	11.07	576.7
559	.00000	.14110	395.00	.3684	.5047	.5047	.9500	.1299-01	.1780-01	1.703	11.14	576.6
559	.00000	.14480	396.00	.3812	.5223	.5223	.9500	.1345-01	.1842-01	1.762	11.63	576.6
559	.00000	.14830	397.00	.4474	.6260	.6260	.9500	.1578-01	.2208-01	1.957	12.88	583.6
559	.00000	.15190	398.00	.5123	.7460	.7460	.9500	.1807-01	.2631-01	2.041	14.08	594.7
559	.00000	.15560	399.00	.6024	.9149	.9149	.9500	.2125-01	.3227-01	2.201	15.91	604.1
559	.00000	.15820	400.00	.6748	1.053	1.053	.9500	.2380-01	.3714-01	2.346	16.75	609.1
559	.00000	.16080	401.00	.6470	1.016	1.016	.9500	.2282-01	.3583-01	2.224	16.54	610.2
559	.00000	.16350	402.00	.6338	1.001	1.001	.9500	.2236-01	.3530-01	2.158	16.67	611.1
559	.00000	.16640	403.00	.6327	1.003	1.003	.9500	.2232-01	.3536-01	2.141	16.95	611.8
559	.00000	.16910	404.00	.6335	1.016	1.016	.9500	.2234-01	.3585-01	2.098	16.66	613.8
559	.00000	.17200	405.00	.6401	1.040	1.040	.9500	.2258-01	.3667-01	2.079	16.50	615.6
559	.00000	.17480	406.00	.6254	.9944	.9944	.9500	.2206-01	.3508-01	2.103	16.71	612.3
559	.00000	.17690	407.00	.6219	.9526	.9526	.9500	.2194-01	.3360-01	2.236	16.72	605.7
559	.00000	.18000	408.00	.6366	.9406	.9406	.9500	.2246-01	.3318-01	2.459	16.26	598.2
559	.00000	.18310	409.00	.5365	.7628	.7628	.9500	.1892-01	.2691-01	2.257	15.27	588.4
559	.00000	.18630	410.00	.4910	.6888	.6888	.9500	.1732-01	.2430-01	2.134	14.47	584.4
559	.00000	.18940	411.00	.4617	.6371	.6371	.9500	.1629-01	.2247-01	2.093	13.64	579.2
559	.00000	.19720	413.00	.2537	.3318	.3318	.9500	.8949-02	.1170-01	1.345	9.925	557.3
559	.00000	.20490	414.00	.1233	.1564	.1564	.9500	.4349-02	.5518-02	.7267	5.406	540.6
559	.00000	.22500	415.00	.2899-01	.3643-01	.3643-01	.9500	.1022-02	.1285-02	.1771	1.793	534.5
559	.00000	.25000	416.00	.1004	.1293	.1293	.9500	.3542-02	.4561-02	.5610	4.757	549.3
559	.00000	.27500	417.00	.8353-01	.1076	.1076	.9500	.2946-02	.3796-02	.4655	3.134	549.7
559	.00000	.30000	418.00	.8219-01	.1052	.1052	.9500	.2899-02	.3711-02	.4688	2.981	546.0
559	.00000	.32500	419.00	.8499-01	.1080	.1080	.9500	.2998-02	.3810-02	.4977	3.364	541.7
559	.00000	.35000	420.00	.8405-01	.1059	.1059	.9500	.2965-02	.3734-02	.5094	3.539	535.9
559	.00000	.37500	421.00	.8442-01	.1062	.1062	.9500	.2978-02	.3746-02	.5139	3.495	535.1
559	.00000	.40000	422.00	.7939-01	.1000	.1000	.9500	.2800-02	.3529-02	.4799	3.273	536.3
559	.00000	.42500	423.00	.7855-01	.9991-01	.9991-01	.9500	.2771-02	.3524-02	.4586	3.236	542.2

IH102 83-0 TOP CENTERLINE (R4W553)

TOP CENTERLINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = 6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
563	3.527	3.010	-4.962	5.948	34.06	709.7	252.4	.9135	5.794	2344.	.9770-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
563	.3531-01	.6407-02

TEST DATA

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
563	.00000	.00000	367.00	.6004	.9450	.9450	.9500	.2120-01	.3337-01	2.063	16.89	612.4
563	.00000	.19000-02	369.00	.4802	.7044	.7044	.9500	.1696-01	.2487-01	1.890	15.65	598.2
563	.00000	.37000-02	370.00	.4284	.6072	.6072	.9500	.1513-01	.2144-01	1.823	14.54	589.2
563	.00000	.58000-02	371.00	.2948	.4153	.4153	.9500	.1041-01	.1466-01	1.272	12.66	587.4
563	.00000	.87000-02	372.00	.3069	.4207	.4207	.9500	.1083-01	.1485-01	1.421	11.61	578.5
563	.00000	.11800-01	373.00	.2628	.3512	.3512	.9500	.9277-02	.1240-01	1.307	9.814	568.8
563	.00000	.15100-01	374.00	.2184	.2886	.2886	.9500	.7712-02	.1019-01	1.126	8.474	563.7
563	.00000	.18200-01	375.00	.1994	.2629	.2629	.9500	.7039-02	.9284-02	1.033	7.448	562.9
563	.00000	.21500-01	376.00	.1626	.2124	.2124	.9500	.5740-02	.7498-02	.8684	6.511	558.4
563	.00000	.24600-01	377.00	.2108	.2856	.2856	.9500	.7443-02	.1008-01	1.009	7.686	574.2
563	.00000	.27800-01	378.00	.2302	.3129	.3129	.9500	.8128-02	.1105-01	1.092	9.173	575.4
563	.00000	.60900-01	379.00	.3820	.5451	.5451	.9500	.1349-01	.1925-01	1.599	12.65	591.1
563	.00000	.64600-01	380.00	.2964	.4175	.4175	.9500	.1046-01	.1474-01	1.279	12.13	587.4
563	.00000	.68400-01	381.00	.3498	.4909	.4909	.9500	.1235-01	.1733-01	1.525	11.47	586.2
563	.00000	.72100-01	382.00	.3345	.4632	.4632	.9500	.1181-01	.1636-01	1.508	11.25	582.0
563	.00000	.76000-01	383.00	.3233	.4456	.4456	.9500	.1141-01	.1573-01	1.476	10.76	580.4
563	.00000	.79600-01	384.00	.2990	.4100	.4100	.9500	.1056-01	.1447-01	1.383	9.707	578.6
563	.00000	.95300-01	385.00	.2937	.4082	.4082	.9500	.1037-01	.1441-01	1.312	9.951	583.2
563	.00000	.98900-01	386.00	.2756	.3827	.3827	.9500	.9732-02	.1351-01	1.234	10.18	582.8
563	.00000	.10190	387.00	.2727	.3799	.3799	.9500	.9630-02	.1341-01	1.211	9.619	583.9
563	.00000	.11600	388.00	.2452	.3550	.3550	.9500	.8657-02	.1253-01	.9933	10.13	594.9

IH102 83-0 TOP CENTERLINE (R4W553)

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
563	.00000	.11950	389.00	.3780	.5374	.5374	.9500	.1334-01	.1897-01	1.596	10.69	590.0
563	.00000	.12310	390.00	.3813	.5331	.5331	.9500	.1346-01	.1882-01	1.678	10.38	585.0
563	.00000	.12680	391.00	.3703	.5103	5103	.9500	.1307-01	.1802-01	1.690	10.36	580.4
563	.00000	.13050	392.00	.3937	.5419	5419	.9500	.1390-01	.1913-01	1.804	10.28	579.9
563	.00000	.13380	393.00	.3906	.5398	.5398	.9500	.1379-01	.1906-01	1.770	10.21	581.3
563	.00000	.13760	394.00	.3952	.5447	.5447	.9500	.1395-01	.1923-01	1.804	10.50	580.4
563	.00000	.14110	395.00	.3559	.4904	.4904	.9500	.1256-01	.1732-01	1.625	10.61	580.4
563	.00000	.14480	396.00	.3671	.5061	.5061	.9500	.1296-01	.1787-01	1.675	11.03	580.5
563	.00000	.14830	397.00	.4240	.5964	.5964	.9500	.1497-01	.2106-01	1.838	12.07	586.9
563	.00000	.15190	398.00	.4786	.6978	.6978	.9500	.1690-01	.2464-01	1.908	13.15	596.7
563	.00000	.15560	399.00	.5752	.8802	.8802	.9500	.2031-01	.3108-01	2.080	15.01	607.3
563	.00000	.15820	400.00	.6357	.9946	.9946	.9500	.2244-01	.3512-01	2.207	15.75	611.3
563	.00000	.16080	401.00	.6068	.9540	.9540	.9500	.2142-01	.3368-01	2.089	15.51	612.2
563	.00000	.16350	402.00	.6066	.9604	.960[illegible]	.9500	.2142-01	.3391-01	2.063	15.91	613.4
563	.00000	.16640	403.00	.5990	.9494	.9494	.9500	.2115-01	.3352-01	2.033	16.09	613.5
563	.00000	.16910	404.00	.5975	.9594	.9594	.9500	.2109-01	.3387-01	1.984	15.74	615.6
563	.00000	.17200	405.00	.6060	.9856	.9856	.9500	.2140-01	.3480-01	1.971	15.63	617.5
563	.00000	.17480	406.00	.5973	.9504	.9504	.9500	.2109-01	.3356-01	2.014	15.99	614.2
563	.00000	.17690	407.00	.5993	.9198	.9198	.9500	.2116-01	.3247-01	2.155	16.09	607.8
563	.00000	.18000	408.00	.6074	.9002	.9002	.9500	.2145-01	.3178-01	2.340	15.45	600.6
563	.00000	.18310	409.00	.5255	.7503	.7503	.9500	.1855-01	.2649-01	2.197	14.85	591.3
563	.00000	.18630	410.00	.4799	.6766	.6766	.9500	.1695-01	.2389-01	2.069	14.01	587.6
563	.00000	.18940	411.00	.4550	.6314	.6314	.9500	.1606-01	.2229-01	2.040	13.27	582.7
563	.00000	.19310	412.00	.9789-04	.1059-03	.1059-03	.9500	.3456-05	.3740-05	.1615-02	.1361-01	242.3
563	.00000	.19720	413.00	.2578	.3390	.3390	.9500	.9103-02	.1197-01	1.349	9.930	561.5
563	.00000	.20490	414.00	.1238	.1578	.1578	.9500	.4373-02	.5570-02	.7217	5.358	544.6
563	.00000	.22500	415.00	.3126-01	.3927-01	.3927-01	.9500	.1104-02	.1386-02	.1920	1.943	535.7
563	.00000	.25000	416.00	.9622-01	.1244	.1244	.9500	.3397-02	.4393-02	.5318	4.501	553.1
563	.00000	.27500	417.00	.7409-01	.9557-01	.9557-01	.9500	.2616-02	.3374-02	.4129	2.777	551.8
563	.00000	.30000	418.00	.6848-01	.8772-01	.8772-01	.9500	.2418-02	.3097-02	.3912	2.485	547.9
563	.00000	.32500	419.00	.7414-01	.9433-01	.9433-01	.9500	.2618-02	.3331-02	.4339	2.929	543.9
563	.00000	.35000	420.00	.6920-01	.8726-01	.8726-01	.9500	.2443-02	.3081-02	.4188	2.906	538.2
563	.00000	.37500	421.00	.6886-01	.8671-01	.8671-01	.9500	.2431-02	.3061-02	.4192	2.848	537.3
563	.00000	.40000	422.00	.5653-01	.7119-01	.7119-01	.9500	.1996-02	.2513-02	.3440	2.345	537.3
563	.00000	.42500	423.00	.5266-01	.6686-01	.6686-01	.9500	.1859-02	.2360-02	.3107	2.192	542.6

IH102 83-0 TOP CENTERLINE (R4W554)

TOP CENTERLINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
565	1.067	3.010	.3200-01	.0000	9.995	694.7	247.0	.2681	1.700	2319.	.2929-02	.1978-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
565	.1905-01	.1167-01

TEST DATA

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
565	.00000	.00000	367.00	.6444	.8871	.8871	.9500	.1228-01	.1690-01	1.559	13.05	567.7
565	.00000	.19000-02	369.00	.4620	.6116	.6116	.9500	.8802-02	.1165-01	1.249	10.57	552.8
565	.00000	.37000-02	370.00	.3979	.5203	.5203	.9500	.7581-02	.9914-02	1.119	9.118	547.1
565	.00000	.58000-02	371.00	.2777	.3649	.3649	.9500	.5291-02	.6953-02	.7691	7.804	549.3
565	.00000	.87000-02	372.00	.2680	.3475	.3475	.9500	.5105-02	.6621-02	.7746	6.443	542.9
565	.00000	.11800-01	373.00	.2263	.2909	.2909	.9500	.4312-02	.5543-02	.6741	5.140	538.3
565	.00000	.15100-01	374.00	.1894	.2422	.2422	.9500	.3610-02	.4614-02	.5760	4.399	535.1
565	.00000	.18200-01	375.00	.1745	.2232	.2232	.9500	.3326-02	.4252-02	.5302	3.877	535.3
565	.00000	.21500-01	376.00	.1391	.1778	.1778	.9500	.2649-02	.3387-02	.4226	3.206	535.2
565	.00000	.24600-01	377.00	.1563	.2050	.2050	.9500	.2977-02	.3906-02	.4350	3.357	548.6
565	.00000	.27800-01	378.00	.1203	.1547	.1547	.9500	.2292-02	.2947-02	.3583	3.067	538.4
565	.00000	.60900-01	379.00	.2804	.3678	.3678	.9500	.5342-02	.7008-02	.7807	6.310	548.5
565	.00000	.64600-01	380.00	.2096	.2740	.2740	.9500	.3994-02	.5221-02	.5902	5.709	546.9
565	.00000	.68400-01	381.00	.2463	.3218	.3218	.9500	.4693-02	.6132-02	.6950	5.332	546.6
565	.00000	.72100-01	382.00	.2290	.2982	.2982	.9500	.4364-02	.5682-02	.6535	4.967	544.9
565	.00000	.76000-01	383.00	.2175	.2827	.2827	.9500	.4144-02	.5386-02	.6240	4.634	544.1
565	.00000	.79600-01	384.00	.1966	.2558	.2558	.9500	.3746-02	.4874-02	.5621	4.012	544.6
565	.00000	.95300-01	385.00	.2287	.2992	.2992	.9500	.4357-02	.5701-02	.6418	4.957	547.4
565	.00000	.98900-01	386.00	.2024	.2653	.2653	.9500	.3856-02	.5054-02	.5648	4.738	548.2
565	.00000	.10190	387.00	.1897	.2490	.2490	.9500	.3615-02	.4744-02	.5275	4.263	548.7
565	.00000	.11600	388.00	.1734	.2308	.2308	.9500	.3303-02	.4397-02	.4613	4.798	555.0

IH102 83-0 TOP CENTERLINE (R4W554)

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
565	.00000	.11950	389.00	.2608	.3449	.3449	.9500	.4969-02	.6572-02	.7079	4.833	552.2
565	.00000	.12310	390.00	.2608	.3426	.3426	.9500	.4969-02	.6527-02	.7233	4.553	549.1
565	.00000	.12680	391.00	.2416	.3153	.3153	.9500	.4603-02	.6008-02	.6835	4.261	546.2
565	.00000	.13050	392.00	.2548	.3323	.3323	.9500	.4855-02	.6332-02	.7231	4.191	545.7
565	.00000	.13380	393.00	.2507	.3279	.3279	.9500	.4777-02	.6247-02	.7053	4.140	547.0
565	.00000	.13760	394.00	.2535	.3311	.3311	.9500	.4830-02	.6309-02	.7158	4.236	546.5
565	.00000	.14110	395.00	.2353	.3072	.3072	.9500	.4482-02	.5854-02	.6645	4.414	546.4
565	.00000	.14480	396.00	.2449	.3199	.3199	.9500	.4667-02	.6096-02	.6913	4.633	546.5
565	.00000	.14830	397.00	.2807	.3699	.3699	.9500	.5347-02	.7048-02	.7695	5.146	550.8
565	.00000	.15190	398.00	.4211	.5581	.5581	.9500	.8023-02	.1063-01	1.135	7.991	553.2
565	.00000	.15560	399.00	.4742	.6328	.6328	.9500	.9036-02	.1206-01	1.253	9.278	556.0
565	.00000	.15820	400.00	.5163	.6913	.6913	.9500	.9837-02	.1317-01	1.350	9.893	557.4
565	.00000	.16080	401.00	.4991	.6697	.6697	.9500	.9509-02	.1276-01	1.296	9.885	558.4
565	.00000	.16350	402.00	.4874	.6554	.6554	.9500	.9286-02	.1249-01	1.258	9.971	559.2
565	.00000	.16640	403.00	.4769	.6405	.6405	.9500	.9087-02	.1220-01	1.236	10.05	558.7
565	.00000	.16910	404.00	.4810	.6477	.6477	.9500	.9165-02	.1234-01	1.237	10.09	559.7
565	.00000	.17200	405.00	.4818	.6499	.6499	.9500	.9179-02	.1238-01	1.232	10.05	560.4
565	.00000	.17480	406.00	.4642	.6205	.6205	.9500	.8844-02	.1182-01	1.220	9.963	556.8
565	.00000	.17690	407.00	.4555	.6029	.6029	.9500	.8679-02	.1149-01	1.233	9.462	552.6
565	.00000	.18000	408.00	.4439	.5823	.5823	.9500	.8458-02	.1110-01	1.236	8.375	548.5
565	.00000	.18310	409.00	.3597	.4669	.4669	.9500	.6853-02	.8896-02	1.037	7.173	543.4
565	.00000	.18630	410.00	.3120	.4027	.4027	.9500	.5944-02	.7673-02	.9164	6.351	540.5
565	.00000	.18940	411.00	.2741	.3509	.3509	.9500	.5223-02	.6686-02	.8289	5.518	536.0
565	.00000	.19720	413.00	.1416	.1797	.1797	.9500	.2699-02	.3423-02	.4429	3.311	530.6
565	.00000	.20490	414.00	.1234	.1558	.1558	.9500	.2350-02	.2969-02	.3919	2.934	527.9
565	.00000	.22500	415.00	.3872-01	.4883-01	.4883-01	.9500	.7377-03	.9305-03	.1237	1.257	527.0
565	.00000	.25000	416.00	.9836-02	.1265-01	.1265-01	.9500	.1874-03	.2411-03	.2925-01	.2494	538.6
565	.00000	.30000	418.00	.4366-01	.5653-01	.5653-01	.9500	.8318-03	.1077-02	.1269	.8084	542.1
565	.00000	.32500	419.00	.5266-01	.6813-01	.6813+01	.9500	.1003-02	.1298-02	.1535	1.037	541.7
565	.00000	.35000	420.00	.7034-01	.9055-01	.9055+01	.9500	.1340-02	.1725-02	.2085	1.446	539.1
565	.00000	.37500	421.00	.1453	.1869	.1869	.9500	.2769-02	.3561-02	.4326	2.938	538.4
565	.00000	.40000	422.00	.1793	.2301	.2301	.9500	.3416-02	.4383-02	.5374	3.662	537.3
565	.00000	.42500	423.00	.1841	.2375	.2375	.9500	.3507-02	.4525-02	.5415	3.825	540.3

IH102 83-0 TOP CENTERLINE (R4W554)

TOP CENTERLINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
557	3.517	3.010	.2000-02	-.1396-05	34.10	711.7	253.1	.9146	5.801	2347.	.9754-02	.2023-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
557	.3535-01	.6414-02

TEST DATA

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
557	.00000	.00000	367.00	.6120	.9768	.9768	.9500	.2163-01	.3453-01	2.061	16.84	616.4
557	.00000	.19000-02	369.00	.4478	.6460	.6460	.9500	.1583-01	.2283-01	1.836	15.22	595.7
557	.00000	.37000-02	370.00	.3909	.5443	.5443	.9500	.1382-01	.1924-01	1.745	13.95	585.4
557	.00000	.58000-02	371.00	.2666	.3709	.3709	.9500	.9425-02	.1311-01	1.193	11.89	585.1
557	.00000	.87000-02	372.00	.2700	.3636	.3636	.9500	.9542-02	.1285-01	1.319	10.80	573.5
557	.00000	.11800-01	373.00	.2330	.3068	.3068	.9500	.8235-02	.1084-01	1.218	9.168	563.8
557	.00000	.15100-01	374.00	.1947	.2543	.2543	.9500	.6880-02	.8988-02	1.044	7.873	560.0
557	.00000	.18200-01	375.00	.1778	.2313	.2313	.9500	.6283-02	.8176-02	.9657	6.981	558.0
557	.00000	.21500-01	376.00	.1475	.1905	.1905	.9500	.5215-02	.6732-02	.8234	6.188	553.8
557	.00000	.24600-01	377.00	.1796	.2394	.2394	.9500	.6347-02	.8461-02	.9039	6.904	569.2
557	.00000	.27800-01	378.00	.2052	.2733	.2733	.9500	.7252-02	.9660-02	1.035	8.728	568.9
557	.00000	.60900-01	379.00	.3287	.4566	.4566	.9500	.1162-01	.1614-01	1.477	11.72	584.6
557	.00000	.64600-01	380.00	.2615	.3599	.3599	.9500	.9244-02	.1272-01	1.204	11.44	581.4
557	.00000	.68400-01	381.00	.3117	.4276	.4276	.9500	.1102-01	.1511-01	1.447	10.92	580.3
557	.00000	.72100-01	382.00	.2996	.4064	.4064	.9500	.1059-01	.1436-01	1.434	10.73	576.3
557	.00000	.76000-01	383.00	.2890	.3902	.3902	.9500	.1021-01	.1379-01	1.401	10.25	574.5
557	.00000	.79600-01	384.00	.2671	.3590	.3590	.9500	.9440-02	.1269-01	1.312	9.235	572.7
557	.00000	.95300-01	385.00	.2654	.3599	.3599	.9500	.9380-02	.1272-01	1.271	9.671	576.2
557	.00000	.98900-01	386.00	.2462	.3333	.3333	.9500	.8704-02	.1178-01	1.185	9.810	575.5
557	.00000	.10190	387.00	.2429	.3290	.3290	.9500	.8586-02	.1163-01	1.168	9.311	575.7
557	.00000	.11600	388.00	.2179	.3040	.3040	.9500	.7702-02	.1075-01	.9675	9.909	586.1

IH102 83-0 TOP CENTERLINE (R4W554)

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
557	.00000	.11950	389.00	.3351	.4607	.4607	.9500	.1185-01	.1628-01	1.547	10.41	581.1
557	.00000	.12310	390.00	.3355	.4550	.4550	.9500	.1186-01	.1608-01	1.606	9.973	576.2
557	.00000	.12680	391.00	.3195	.4285	.4285	.9500	.1129-01	.1515-01	1.579	9.719	571.8
557	.00000	.13050	392.00	.3367	.4513	.4513	.9500	.1190-01	.1595-01	1.668	9.546	571.5
557	.00000	.13380	393.00	.3352	.4505	.4505	.9500	.1185-01	.1592-01	1.647	9.545	572.6
557	.00000	.13760	394.00	.3391	.4549	.4549	.9500	.1198-01	.1608-01	1.674	9.782	572.0
557	.00000	.14110	395.00	.3040	.4078	.4078	.9500	.1075-01	.1441-01	1.502	9.853	571.8
557	.00000	.14480	396.00	.3133	.4202	.4202	.9500	.1107-01	.1485-01	1.550	10.25	571.7
557	.00000	.14830	397.00	.3623	.4931	.4931	.9500	.1281-01	.1743-01	1.718	11.33	577.5
557	.00000	.15190	398.00	.4370	.6195	.6195	.9500	.1545-01	.2190-01	1.866	12.89	590.9
557	.00000	.15560	399.00	.5213	.7680	.7680	.9500	.1842-01	.2714-01	2.041	14.78	600.9
557	.00000	.15820	400.00	.5787	.8692	.8692	.9500	.2045-01	.3072-01	2.178	15.58	605.2
557	.00000	.16080	401.00	.5560	.8399	.8399	.9500	.1965-01	.2969-01	2.068	15.40	606.4
557	.00000	.16350	402.00	.5494	.8352	.8352	.9500	.1942-01	.2952-01	2.019	15.62	607.7
557	.00000	.16640	403.00	.5507	.8408	.8408	.9500	.1947-01	.2972-01	2.008	15.93	608.5
557	.00000	.16910	404.00	.5520	.8515	.8515	.9500	.1951-01	.3010-01	1.974	15.70	610.5
557	.00000	.17200	405.00	.5582	.8691	.8691	.9500	.1973-01	.3072-01	1.962	15.60	612.2
557	.00000	.17480	406.00	.5494	.8412	.8412	.9500	.1942-01	.2973-01	1.992	15.85	609.1
557	.00000	.17690	407.00	.5461	.8113	.8113	.9500	.1930-01	.2867-01	2.101	15.73	602.8
557	.00000	.18000	408.00	.5540	.7975	.7975	.9500	.1958-01	.2819-01	2.282	15.11	595.1
557	.00000	.18310	409.00	.4670	.6496	.6496	.9500	.1651-01	.2296-01	2.090	14.17	585.1
557	.00000	.18630	410.00	.4230	.5808	.5808	.9500	.1495-01	.2053-01	1.958	13.30	580.7
557	.00000	.18940	411.00	.3905	.5281	.5281	.9500	.1380-01	.1867-01	1.885	12.30	575.1
557	.00000	.19720	413.00	.2112	.2730	.2730	.9500	.7465-02	.9649-02	1.173	8.668	554.5
557	.00000	.20490	414.00	.9746-01	.1228	.1228	.9500	.3445-02	.4341-02	.5938	4.420	539.3
557	.00000	.22500	415.00	.2057-01	.2563-01	.2563-01	.9500	.7272-03	.9059-03	.1312	1.331	531.3
557	.00000	.25000	416.00	.7766-01	.9940-01	.9940-01	.9500	.2745-02	.3513-02	.4466	3.788	549.0
557	.00000	.27500	417.00	.6770-01	.8655-01	.8655-01	.9500	.2393-02	.3059-02	.3908	2.633	548.3
557	.00000	.30000	418.00	.6784-01	.8636-01	.8636-01	.9500	.2398-02	.3053-02	.3979	2.531	545.7
557	.00000	.32500	419.00	.6911-01	.8753-01	.8753-01	.9500	.2443-02	.3094-02	.4130	2.790	542.6
557	.00000	.35000	420.00	.6338-01	.7966-01	.7966-01	.9500	.2240-02	.2816-02	.3899	2.707	537.6
557	.00000	.37500	421.00	.6459-01	.8111-01	.8111-01	.9500	.2283-02	.2867-02	.3990	2.711	536.9
557	.00000	.40000	422.00	.5966-01	.7503-01	.7503-01	.9500	.2109-02	.2652-02	.3662	2.495	538.0
557	.00000	.42500	423.00	.5771-01	.7315-01	.7315-01	.9500	.2040-02	.2586-02	.3438	2.425	543.1

IH102 83-0 TOP CENTERLINE (R4W555)

TOP CENTERLINE

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = 6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
561	3.525	3.010	-.8901-07	5.952	34.11	710.7	252.7	.9148	5.802	2346.	.9770-02	.2021-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
561	.3534-01	.6408-02

TEST DATA

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
561	.00000	.00000	367.00	.5816	.9515	.9515	.9500	.2055-01	.3363-01	1.879	15.33	619.3
561	.00000	.80000-03	368.00	.5900	.9171	.9171	.9500	.2085-01	.3241-01	2.077	15.76	611.0
561	.00000	.19000-02	369.00	.4377	.6459	.6459	.9500	.1547-01	.2282-01	1.705	14.10	600.4
561	.00000	.37000-02	370.00	.3839	.5449	.5449	.9500	.1357-01	.1926-01	1.631	13.00	590.5
561	.00000	.58000-02	371.00	.2589	.3649	.3649	.9500	.9150-02	.1290-01	1.119	11.14	588.3
561	.00000	.87000-02	372.00	.2647	.3620	.3620	.9500	.9355-02	.1279-01	1.237	10.11	578.5
561	.00000	.11800-01	373.00	.2281	.3043	.3043	.9500	.8060-02	.1075-01	1.143	8.584	568.8
561	.00000	.15100-01	374.00	.1855	.2449	.2449	.9500	.6555-02	.8656-02	.9593	7.220	564.3
561	.00000	.18200-01	375.00	.1689	.2221	.2221	.9500	.5968-02	.7850-02	.8846	6.381	562.5
561	.00000	.21500-01	376.00	.1390	.1813	.1813	.9500	.4912-02	.6408-02	.7476	5.605	558.5
561	.00000	.24600-01	377.00	.1825	.2470	.2470	.9500	.6448-02	.8727-02	.8772	6.683	574.6
561	.00000	.27800-01	378.00	.2163	.2947	.2947	.9500	.7645-02	.1042-01	1.022	8.576	577.1
561	.00000	.60900-01	379.00	.3116	.4411	.4411	.9500	.1101-01	.1559-01	1.332	10.55	589.7
561	.00000	.64600-01	380.00	.2438	.3410	.3410	.9500	.8615-02	.1205-01	1.074	10.18	586.0
561	.00000	.68400-01	381.00	.2876	.4009	.4009	.9500	.1016-01	.1417-01	1.277	9.613	585.0
561	.00000	.72100-01	382.00	.2755	.3798	.3798	.9500	.9736-02	.1342-01	1.259	9.399	581.3
561	.00000	.76000-01	383.00	.2635	.3617	.3617	.9500	.9311-02	.1278-01	1.218	8.886	579.8
561	.00000	.79600-01	384.00	.2439	.3344	.3344	.9500	.8619-02	.1182-01	1.132	7.939	579.4
561	.00000	.95300-01	385.00	.2368	.3284	.3284	.9500	.8367-02	.1161-01	1.065	8.081	583.3
561	.00000	.98900-01	386.00	.2281	.3151	.3151	.9500	.8060-02	.1113-01	1.037	8.557	582.0
561	.00000	.10190	387.00	.2242	.3114	.3114	.9500	.7925-02	.1101-01	1.006	7.989	583.7

IH102 83-0 TOP CENTERLINE (R4W555)

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
561	.00000	.11600	388.00	.1986	.2854	.2854	.9500	.7020-02	.1009-01	.8207	8.374	593.8
561	.00000	.11950	389.00	.3150	.4437	.4437	.9500	.1113-01	.1568-01	1.364	9.146	588.1
561	.00000	.12310	390.00	.3177	.4409	.4409	.9500	.1123-01	.1558-01	1.427	8.832	583.5
561	.00000	.12680	391.00	.3097	.4296	.4296	.9500	.1095-01	.1501-01	1.437	8.812	579.3
561	.00000	.13050	392.00	.3246	.4446	.4446	.9500	.1147-01	.1571-01	1.509	8.604	579.1
561	.00000	.13380	393.00	.3228	.4441	.4441	.9500	.1141-01	.1570-01	1.484	8.566	580.6
561	.00000	.13760	394.00	.3280	.4506	.4506	.9500	.1159-01	.1592-01	1.514	8.807	580.1
561	.00000	.14110	395.00	.2924	.4017	.4017	.9500	.1033-01	.1420-01	1.348	8.807	580.2
561	.00000	.14480	396.00	.3000	.4119	.4119	.9500	.1060-01	.1456-01	1.386	9.137	579.9
561	.00000	.14830	397.00	.3384	.4704	.4704	.9500	.1196-01	.1663-01	1.514	9.956	584.1
561	.00000	.15190	398.00	.4173	.6000	.6000	.9500	.1475-01	.2120-01	1.721	11.87	594.0
561	.00000	.15560	399.00	.4968	.7441	.7441	.9500	.1756-01	.2630-01	1.877	13.58	603.7
561	.00000	.15820	400.00	.5421	.8308	.8308	.9500	.1916-01	.2936-01	1.959	14.00	608.4
561	.00000	.16080	401.00	.5221	.8045	.8045	.9500	.1845-01	.2843-01	1.868	13.89	609.4
561	.00000	.16350	402.00	.5199	.8057	.8057	.9500	.1837-01	.2847-01	1.841	14.22	610.5
561	.00000	.16640	403.00	.5142	.7963	.7963	.9500	.1817-01	.2814-01	1.823	14.45	610.4
561	.00000	.16910	404.00	.5137	.8025	.8025	.9500	.1815-01	.2836-01	1.792	14.25	611.9
561	.00000	.17200	405.00	.5195	.8183	.8193	.9500	.1836-01	.2892-01	1.786	14.19	613.4
561	.00000	.17480	406.00	.5206	.8044	.8044	.9500	.1840-01	.2843-01	1.853	14.74	609.9
561	.00000	.17690	407.00	.5252	.7864	.7864	.9500	.1856-01	.2779-01	1.986	14.86	603.7
561	.00000	.18000	408.00	.5394	.7824	.7824	.9500	.1906-01	.2765-01	2.18.	14.43	596.3
561	.00000	.18310	409.00	.4521	.6337	.6337	.9500	.1598-01	.2240-01	1.981	13.42	586.7
561	.00000	.18630	410.00	.4081	.5650	.5650	.9500	.1442-01	.1997-01	1.846	12.52	582.7
561	.00000	.18940	411.00	.3880	.5290	.5290	.9500	.1371-01	.1869-01	1.828	11.92	577.4
561	.00000	.19310	412.00	.2461-03	.2663-03	.2663-03	.9500	.8698-05	.9412-05	.4076-02	.3434-01	242.1
561	.00000	.19720	413.00	.2119	.2764	.2764	.9500	.7490-02	.9767-02	1.142	8.417	558.3
561	.00000	.20490	414.00	.9382-01	.1192	.1192	.9500	.3316-02	.4213-02	.5532	4.108	543.8
561	.00000	.22500	415.00	.1740-01	.2201-01	.2201-01	.9500	.6149-03	.7780-03	.1042	1.052	541.1
561	.00000	.25000	416.00	.4601-01	.5938-01	.5938-01	.9500	.1626-02	.2098-02	.2566	2.172	552.9
561	.00000	.27500	417.00	.5044-01	.6503-01	.6503-01	.9500	.1782-02	.2298-02	.2822	1.897	552.3
561	.00000	.30000	418.00	.4594-01	.5892-01	.5892-01	.9500	.1623-02	.2082-02	.2619	1.662	549.4
561	.00000	.32500	419.00	.5402-01	.6885-01	.6885-01	.9500	.1909-02	.2433-02	.3148	2.124	545.7
561	.00000	.35000	420.00	.4391-01	.5558-01	.5558-01	.9500	.1552-02	.1964-02	.2627	1.820	541.4
561	.00000	.37500	421.00	.4220-01	.5334-01	.5334-01	.9500	.1491-02	.1885-02	.2536	1.720	540.6
561	.00000	.40000	422.00	.3421-01	.4328-01	.4328-01	.9500	.1209-02	.1529-02	.2050	1.395	541.1
561	.00000	.42500	423.00	.2966-01	.3789-01	.3789-01	.9500	.1048-02	.1339-02	.1715	1.207	547.0

TOP CENTERLINE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
571	3.526	4.020	-5.024	.0000	58.12	709.7	167.7	.3727	4.216	2552.	.5999-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
571	.3014-01	.8181-02

TEST DATA

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
571	.00000	.00000	367.00	.6126	.8969	.8969	.9500	.1846-01	.2703-01	2.067	17.05	597.7
571	.00000	.80000-03	368.00	.6443	.9069	.9069	.9500	.1942-01	.2733-01	2.380	18.27	587.1
571	.00000	.19000-02	369.00	.4823	.6660	.6660	.9500	.1453-01	.2007-01	1.869	15.60	581.1
571	.00000	.37000-02	370.00	.4234	.5706	.5706	.9500	.1276-01	.1720-01	1.755	14.12	572.1
571	.00000	.58000-02	371.00	.2940	.3984	.3984	.9500	.8861-02	.1201-01	1.200	12.02	574.3
571	.00000	.87000-02	372.00	.2920	.3848	.3848	.9500	.8800-02	.1160-01	1.294	10.65	562.7
571	.00000	.11800-01	373.00	.2489	.3226	.3226	.9500	.7502-02	.9723-02	1.165	8.816	554.3
571	.00000	.15100-01	374.00	.2088	.2689	.2689	.9500	.6293-02	.8103-02	.9994	7.573	550.8
571	.00000	.18200-01	375.00	.1918	.2463	.2463	.9500	.5782-02	.7424-02	.9279	6.738	549.2
571	.00000	.21500-01	376.00	.1505	.1922	.1922	.9500	.4536-02	.5793-02	.7417	5.595	546.2
571	.00000	.24600-01	377.00	.1795	.2365	.2365	.9500	.5411-02	.7129-02	.7968	6.107	562.4
571	.00000	.27800-01	378.00	.1871	.2432	.2432	.9500	.5638-02	.7330-02	.8664	7.351	556.0
571	.00000	.60900-01	379.00	.3457	.4630	.4630	.9500	.1042-01	.1395-01	1.459	11.67	569.6
571	.00000	.64600-01	380.00	.2645	.3517	.3517	.9500	.7972-02	.1060-01	1.140	10.92	566.6
571	.00000	.68400-01	381.00	.3176	.4214	.4214	.9500	.9574-02	.1270-01	1.379	10.48	565.6
571	.00000	.72100-01	382.00	.2952	.3887	.3887	.9500	.8897-02	.1172-01	1.312	9.885	562.2
571	.00000	.76000-01	383.00	.2849	.3740	.3740	.9500	.8585-02	.1127-01	1.278	9.414	560.8
571	.00000	.79600-01	384.00	.2719	.3562	.3562	.9500	.8196-02	.1074-01	1.229	8.706	559.7
571	.00000	.95300-01	385.00	.2695	.3564	.3564	.9500	.8122-02	.1074-01	1.182	9.048	564.2
571	.00000	.98900-01	386.00	.2418	.3200	.3200	.9500	.7288-02	.9645-02	1.058	8.806	564.5
571	.00000	.10190	387.00	.2398	.3182	.3182	.9500	.7229-02	.9591-02	1.041	8.345	565.6

IH102 83-0 TOP CENTERLINE (R4W556)

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
571	.00000	.11600	388.00	.2278	.3092	.3092	.9500	.6865-02	.9320-02	.9247	9.523	575.0
571	.00000	.11950	389.00	.3306	.4435	.4435	.9500	.9965-02	.1337-01	1.389	9.398	570.3
571	.00000	.12310	390.00	.3316	.4401	.4401	.9500	.9995-02	.1326-01	1.438	8.980	565.7
571	.00000	.12680	391.00	.3139	.4126	.4126	.9500	.9460-02	.1244-01	1.403	8.679	561.4
571	.00000	.13050	392.00	.3352	.4401	.4401	.9500	.1010-01	.1326-01	1.504	8.655	560.8
571	.00000	.13380	393.00	.3344	.4402	.4402	9500	.1008-01	.1327-01	1.488	8.667	562.0
571	.00000	.13760	394.00	.3409	.4475	.4475	9500	.1027-01	.1349-01	1.530	8.988	560.8
571	.00000	.14110	395.00	.3041	.3991	.3991	.9500	.9167-02	.1203-01	1.367	9.019	560.5
571	.00000	.14480	396.00	.3109	.4073	.4073	.9500	.9371-02	.1227-01	1.406	9.359	559.7
571	.00000	.14830	397.00	.3697	.4888	.4888	.9500	.1114-01	.1473-01	1.623	10.78	564.0
571	.00000	.15190	398.00	.4796	.6537	.6537	.9500	.1446-01	.1970-01	1.927	13.41	576.4
571	.00000	.15560	399.00	.5870	.8222	.8222	.9500	.1769-01	.2478-01	2.194	16.01	585.6
571	.00000	.15820	400.00	.6589	.9369	.9369	.9500	.1986-01	.2824-01	2.375	17.12	590.1
571	.00000	.16080	401.00	.6278	.8977	.8977	.9500	.1892-01	.2706-01	2.233	16.75	591.6
571	.00000	.16350	402.00	.6320	.9081	.9081	.9500	.1905-01	.2737-01	2.223	17.32	593.0
571	.00000	.16640	403.00	.6396	.9183	.9183	.9500	.1928-01	.2768-01	2.253	18.01	592.8
571	.00000	.16910	404.00	.6494	.9421	.9421	.9500	.1957-01	.2839-01	2.236	17.92	595.4
571	.00000	.17200	405.00	.6601	.9727	.9727	.9500	.1990-01	.2932-01	2.197	17.57	599.2
571	.00000	.17480	406.00	.6695	.9704	.9704	.9500	.2018-01	.2925-01	2.310	18.51	595.2
571	.00000	.17690	407.00	.6747	.9571	.9571	.9500	.2034-01	.2885-01	2.446	18.43	589.4
571	.00000	.18000	408.00	.6766	.9407	.9407	.9500	.2039-01	.2835-01	2.577	17.16	583.3
571	.00000	.18310	409.00	.5695	.7692	.7692	.9500	.1717-01	.2318-01	2.347	16.00	573.0
571	.00000	.18630	410.00	.5137	.6861	.6861	.9500	.1548-01	.2068-01	2.187	14.95	568.4
571	.00000	.18940	411.00	.4638	.6104	.6104	.9500	.1398-01	.1840-01	2.064	13.56	562.0
571	.00000	.19310	412.00	.4754-03	.5145-03	.5145-03	.9500	.1433-04	.1551-04	.6695-02	.5641-01	242.4
571	.00000	.19720	413.00	.2384	.3024	.3024	.9500	.7185-02	.9114-02	1.205	8.957	542.0
571	.00000	.20490	414.00	.1055	.1313	.1313	.9500	.3180-02	.3957-02	.5752	4.304	528.8
571	.00000	.22500	415.00	.2589-01	.3209-01	.3209-01	.9500	.7804-03	.9670-03	.1435	1.460	525.8
571	.00000	.25000	416.00	.4212-01	.5277-01	.5277-01	.9500	.1269-02	.1591-02	.2231	1.907	533.9
571	.00000	.27500	417.00	.3199-01	.4011-01	.4011-01	.9500	.9642-03	.1209-02	.1690	1.147	534.4
571	.00000	.30000	418.00	.3863-01	.4826-01	.4826-01	.9500	.1164-02	.1454-02	.2071	1.326	531.8
571	.00000	.32500	419.00	.4906-01	.6099-01	.6099-01	.9500	.1479-02	.1838-02	.2682	1.825	528.3
571	.00000	.35000	420.00	.5030-01	.6294-01	.6294-01	.9500	.1534-02	.1897-02	.2844	1.988	524.3
571	.00000	.37500	421.00	.5447-01	.6733-01	.6733-01	.9500	.1642-02	.2029-02	.3051	2.088	523.8
571	.00000	.40000	422.00	.5411-01	.6702-01	.6702-01	.9500	.1631-02	.2020-02	.3006	2.061	525.4
571	.00000	.42500	423.00	.5480-01	.6831-01	.6831-01	.9500	.1652-02	.2059-02	.2963	2.104	530.3

IH102 83-0 TOP CENTERLINE (R4W557)

TOP CENTERLINE

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = 6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
575	3.501	4.020	-4.971	5.958	57.95	711.7	68.2	.3716	4.204	2556.	.5965-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
575	.3011-01	.8208-02

TEST DATA

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
575	.00000	.00000	367.00	.6071	.8875	.8875	.9500	.1828-01	.2672-01	2.059	16.97	599.0
575	.00000	.19000-02	369.00	.4757	.6593	.6593	.9500	.1432-01	.1985-01	1.830	15.25	583.9
575	.00000	.37000-02	370.00	.4171	.5641	.5641	.9500	.1256-01	.1699-01	1.715	13.78	575.1
575	.00000	.58000-02	371.00	.2851	.3861	.3861	.9500	.8585-02	.1163-01	1.168	11.69	575.6
575	.00000	.87000-02	372.00	.2886	.3814	.3814	.9500	.8689-02	.1148-01	1.271	10.45	565.4
575	.00000	.11900-01	373.00	.2438	.3167	.3167	.9500	.7342-02	.9535-02	1.136	8.582	556.9
575	.00000	.15100-01	374.00	.2049	.2643	.2643	.9500	.6170-02	.7958-02	.9768	7.392	553.3
575	.00000	.18200-01	375.00	.1903	.2448	.2448	.9500	.5732-02	.7371-02	.9171	6.651	551.7
575	.00000	.21500-01	376.00	.1498	.1916	.1916	.9500	.4511-02	.5769-02	.7362	5.547	548.5
575	.00000	.24600-01	377.00	.1822	.2404	.2404	.9500	.5487-02	.7240-02	.8062	6.172	564.7
575	.00000	.27800-01	378.00	.1986	.2602	.2602	.9500	.5981-02	.7833-02	.9000	7.616	561.2
575	.00000	.60900-01	379.00	.3451	.4616	.4616	.9500	.1039-01	.1390-01	1.466	11.72	570.6
575	.00000	.64600-01	380.00	.2556	.3390	.3390	.9500	.7697-02	.1021-01	1.113	10.66	567.0
575	.00000	.68400-01	381.00	.3046	.4032	.4032	.9500	.9172-02	.1214-01	1.335	10.14	566.1
575	.00000	.72100-01	382.00	.2784	.3659	.3659	.9500	.8383-02	.1102-01	1.247	9.396	562.8
575	.00000	.76000-01	383.00	.2675	.3505	.3505	.9500	.8054-02	.1055-01	1.210	8.904	561.5
575	.00000	.79600-01	384.00	.2560	.3356	.3356	.9500	.7709-02	.1011-01	1.157	8.188	561.6
575	.00000	.95300-01	385.00	.2509	.3313	.3313	.9500	.7554-02	.9975-02	1.107	8.476	565.1
575	.00000	.98900-01	386.00	.2238	.2956	.2956	.9500	.6738-02	.8901-02	.9866	8.206	565.2
575	.00000	.10190	387.00	.2197	.2916	.2916	.9500	.6614-02	.8780-02	.9541	7.639	567.4
575	.00000	.11600	388.00	.2115	.2866	.2866	.9500	.6370-02	.8628-02	.8658	8.913	575.7

IH102 83-0 TOP CENTERLINE (R4W557)

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
575	.00000	.11950	389.00	.3116	.4174	.4174	.9500	.9383-02	.1257-01	1.318	8.911	571.2
575	.00000	.12310	390.00	.3147	.4173	.4173	.9500	.9477-02	.1256-01	1.372	8.562	566.9
575	.00000	.12680	391.00	.3002	.3943	.3943	.9500	.9039-02	.1187-01	1.347	8.330	562.6
575	.00000	.13050	392.00	.3189	.4184	.4184	.9500	.9603-02	.1260-01	1.437	8.264	562.0
575	.00000	.13380	393.00	.3207	.4220	.4220	.9500	.9656-02	.1271-01	1.431	8.332	563.4
575	.00000	.13760	394.00	.3284	.4309	.4309	.9500	.9887-02	.1298-01	1.478	8.680	562.2
575	.00000	.14110	395.00	.2944	.3862	.3862	.9500	.8855-02	.1163-01	1.328	8.752	561.9
575	.00000	.14480	396.00	.3021	.3956	.3956	.9500	.9097-02	.1191-01	1.370	9.112	561.1
575	.00000	.14830	397.00	.3453	.4559	.4559	.9500	.1040-01	.1373-01	1.525	10.13	565.0
575	.00000	.15190	398.00	.4534	.6156	.6156	.9500	.1365-01	.1854-01	1.844	12.83	576.6
575	.00000	.15560	399.00	.5731	.8011	.8011	.9500	.1726-01	.2412-01	2.157	15.74	586.7
575	.00000	.15820	400.00	.6153	.8708	.8708	.9500	.1853-01	.2622-01	2.247	16.19	590.4
575	.00000	.16080	401.00	.5858	.8328	.8328	.9500	.1764-01	.2508-01	2.116	15.87	591.7
575	.00000	.16350	402.00	.5971	.8540	.8540	.9500	.1798-01	.2571-01	2.127	16.57	593.4
575	.00000	.16640	403.00	.6010	.8616	.8616	.9500	.1810-01	.2595-01	2.129	17.01	594.0
575	.00000	.16910	404.00	.6100	.8833	.8833	.9500	.1837-01	.2660-01	2.113	16.92	596.6
575	.00000	.17200	405.00	.6244	.9136	.9136	.9500	.1880-01	.2751-01	2.114	16.91	599.2
575	.00000	.17480	406.00	.6274	.9070	.9070	.9500	.1889-01	.2731-01	2.181	17.47	596.2
575	.00000	.17690	407.00	.6454	.9097	.9097	.9500	.1943-01	.2739-01	2.381	17.94	589.2
575	.00000	.18000	408.00	.6590	.9119	.9119	.9500	.1984-01	.2746-01	2.547	16.96	583.3
575	.00000	.18310	409.00	.5510	.7419	.7419	.9500	.1659-01	.2234-01	2.294	15.64	573.4
575	.00000	.18630	410.00	.5023	.6697	.6697	.9500	.1513-01	.2016-01	2.154	14.71	569.3
575	.00000	.18940	411.00	.4621	.6078	.6078	.9500	.1391-01	.1830-01	2.065	13.56	563.2
575	.00000	.19720	413.00	.2465	.3128	.3128	.9500	.7422-02	.9419-02	1.246	9.251	543.8
575	.00000	.20490	414.00	.1057	.1316	.1316	.9500	.3183-02	.3961-02	.5768	4.313	530.5
575	.00000	.22500	415.00	.2037-01	.2524-01	.2524-01	.9500	.6135-03	.7600-03	.1132	1.151	527.1
575	.00000	.25000	416.00	.2041-01	.2552-01	.2552-01	.9500	.6145-03	.7683-03	.1092	.9336	533.9
575	.00000	.27500	417.00	.3291-01	.4127-01	.4127-01	.9500	.9909-03	.1243-02	.1740	1.179	536.1
575	.00000	.30000	418.00	.3744-01	.4675-01	.4675-01	.9500	.1127-02	.1408-02	.2014	1.289	533.0
575	.00000	.32500	419.00	.3727-01	.4625-01	.4625-01	.9500	.1122-02	.1393-02	.2057	1.400	528.4
575	.00000	.35000	420.00	.4271-01	.5272-01	.5272-01	.9500	.1286-02	.1588-02	.2411	1.685	524.2
575	.00000	.37500	421.00	.4711-01	.5812-01	.5812-01	.9500	.1419-02	.1750-02	.2664	1.822	523.9
575	.00000	.40000	422.00	.4350-01	.5372-01	.5372-01	.9500	.1310-02	.1618-02	.2450	1.681	524.6
575	.00000	.42500	423.00	.3890-01	.4833-01	.4833-01	.9500	.1171-02	.1455-02	.2136	1.517	529.4

IH102 83-0 TOP CENTERLINE (R4W558)

TOP CENTERLINE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
569	3.519	4.020	-.1400-01	.0000	58.12	710.7	167.9	.3727	4.217	2554.	.5991-02	.1351-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
569	.3015-01	.8188-02

TEST DATA

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
569	.00000	.00000	367.00	.6049	.9078	.9078	.9500	.1824-01	.2737-01	1.942	15.96	604.2
569	.00000	.19000-02	369.00	.4419	.6119	.6119	.9500	.1332-01	.1845-01	1.704	14.21	582.8
569	.00000	.37000-02	370.00	.3806	.5135	.5135	.9500	.1148-01	.1548-01	1.577	12.68	573.3
569	.00000	.58000-02	371.00	.2590	.3519	.3519	.9500	.7809-02	.1061-01	1.052	10.53	576.0
569	.00000	.87000-02	372.00	.2488	.3277	.3277	.9500	.7500-02	.9880-02	1.106	9.108	563.2
569	.00000	.11800-01	373.00	.2122	.2757	.2757	.9500	.6397-02	.8312-02	.9868	7.457	556.4
569	.00000	.15100-01	374.00	.1733	.2234	.2234	.9500	.5224-02	.6736-02	.8269	6.261	552.4
569	.00000	.18200-01	375.00	.1575	.2025	.2025	.9500	.4749-02	.6106-02	.7594	5.510	550.8
569	.00000	.21500-01	376.00	.1239	.1587	.1587	.9500	.3737-02	.4784-02	.6053	4.568	548.4
569	.00000	.24600-01	377.00	.1385	.1824	.1824	.9500	.4176-02	.5498-02	.6171	4.729	562.9
569	.00000	.27800-01	378.00	.1198	.1550	.1550	.9500	.3612-02	.4674-02	.5647	4.795	554.3
569	.00000	.60900-01	379.00	.2855	.3785	.3785	.9500	.8609-02	.1141-01	1.246	9.984	565.9
569	.00000	.64600-01	380.00	.2162	.2846	.2846	.9500	.6519-02	.8580-02	.9642	9.252	562.8
569	.00000	.68400-01	381.00	.2560	.3361	.3361	.9500	.7717-02	.1013-01	1.150	8.756	561.7
569	.00000	.72100-01	382.00	.2406	.3138	.3138	.9500	.7254-02	.9462-02	1.105	9.340	558.4
569	.00000	.76000-01	383.00	.2329	.3035	.3035	.9500	.7022-02	.9151-02	1.072	7.908	558.0
569	.00000	.79600-01	384.00	.2137	.2778	.2778	.9500	.6442-02	.8376-02	.9910	7.031	556.8
569	.00000	.95300-01	385.00	.2172	.2842	.2842	.9500	.6547-02	.8567-02	.9869	7.574	559.9
569	.00000	.99900-01	386.00	.1951	.2552	.2552	.9500	.5881-02	.7694-02	.8869	7.397	559.9
569	.00000	.10190	387.00	.1900	.2488	.2488	.9500	.5727-02	.7501-02	.8608	6.916	560.4
569	.00000	.11600	388.00	.1802	.2402	.2402	.9500	.5431-02	.7242-02	.7720	7.976	568.5

IH102 83-0 TOP CENTERLINE (R4W358)

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
569	.00000	.11950	389.00	.2644	.3493	.3493	.9500	.7973-02	.1053-01	1.166	7.912	564.4
569	.00000	.12310	390.00	.2633	.3448	.3448	.9500	.7938-02	.1039-01	1.193	7.469	560.3
569	.00000	.12680	391.00	.2494	.3241	.3241	.9500	.7520-02	.9772-02	1.160	7.193	556.4
569	.00000	.13050	392.00	.2643	.3432	.3432	.9500	.7969-02	.1035-01	1.232	7.106	556.0
569	.00000	.13380	393.00	.2629	.3422	.3422	.9500	.7926-02	.1032-01	1.215	7.096	557.3
569	.00000	.13760	394.00	.2651	.3445	.3445	.9500	.7992-02	.1039-01	1.232	7.253	556.5
569	.00000	.14110	395.00	.2377	.3090	.3090	.9500	.7167-02	.9315-02	1.104	7.297	556.6
569	.00000	.14480	396.00	.2450	.3182	.3182	.9500	.7387-02	.9593-02	1.141	7.612	556.2
569	.00000	.14830	397.00	.2848	.3721	.3721	.9500	.8587-02	.1122-01	1.301	8.661	559.2
569	.00000	.15190	398.00	.3823	.5134	.5134	.9500	.1153-01	.1548-01	1.604	11.19	571.5
569	.00000	.15560	399.00	.4852	.6674	.6674	.9500	.1463-01	.2012-01	1.904	13.93	580.5
569	.00000	.15820	400.00	.5456	.7611	.7611	.9500	.1645-01	.2295-01	2.065	14.92	585.2
569	.00000	.16080	401.00	.5286	.7416	.7416	.9500	.1594-01	.2236-01	1.972	14.83	587.0
569	.00000	.16350	402.00	.5372	.7582	.7582	.9500	.1620-01	.2286-01	1.974	15.41	588.8
569	.00000	.16640	403.00	.5474	.7760	.7760	.9500	.1650-01	.2340-01	1.991	15.94	590.0
569	.00000	.16910	404.00	.5541	.7920	.7920	.9500	.1670-01	.2388-01	1.976	15.85	592.4
569	.00000	.17200	405.00	.5663	.8154	.8154	.9500	.1707-01	.2458-01	1.986	15.92	594.4
569	.00000	.17480	406.00	.5596	.7979	.7979	.9500	.1687-01	.2406-01	2.007	16.11	591.7
569	.00000	.17690	407.00	.5574	.7813	.7813	.9500	.1680-01	.2356-01	2.083	15.72	586.7
569	.00000	.18000	408.00	.5752	.7902	.7902	.9500	.1734-01	.2382-01	2.265	15.11	580.1
569	.00000	.18310	409.00	.4703	.6300	.6300	.9500	.1418-01	.1899-01	1.988	13.57	570.5
569	.00000	.18630	410.00	.4161	.5518	.5518	.9500	.1255-01	.1664-01	1.813	12.40	566.2
569	.00000	.18940	411.00	.3775	.4943	.4943	.9500	.1138-01	.1490-01	1.711	11.25	560.3
569	.00000	.19310	412.00	.4438-03	.4802-03	.4802-03	.9500	.1338-04	.1448-04	.6268-02	.5281-01	242.2
569	.00000	.19720	413.00	.1891	.2406	.2406	.9500	.5702-02	.7254-02	.9472	7.032	544.6
569	.00000	.20490	414.00	.7954-01	.9946-01	.9946-01	.9500	.2398-02	.2999-02	.4256	3.178	533.2
569	.00000	.22500	415.00	.1689-01	.2103-01	.2103-01	.9500	.5092-03	.6340-03	.9188-01	.9328	530.2
569	.00000	.25000	416.00	.3443-01	.4321-01	.4321-01	.9500	.1038-02	.1303-02	.1915	1.550	535.8
569	.00000	.27500	417.00	.3182-01	.3992-01	.3992-01	.9500	.9594-03	.1203-02	.1681	1.140	535.5
569	.00000	.30000	418.00	.2782-01	.3485-01	.3485-01	.9500	.8386-03	.1051-02	.1476	.9441	534.6
569	.00000	.32500	419.00	.2480-01	.3093-01	.3093-01	.9500	.7476-03	.9326-03	.1339	.9098	531.5
569	.00000	.35000	420.00	.2698-01	.3350-01	.3350-01	.9500	.8134-03	.1010-02	.1485	1.036	528.1
569	.00000	.37500	421.00	.2933-01	.3642-01	.3642-01	.9500	.8842-03	.1098-02	.1613	1.101	528.2
569	.00000	.40000	422.00	.2716-01	.3376-01	.3376-01	.9500	.8188-03	.1018-02	.1489	1.019	528.9
569	.00000	.42500	423.00	.2715-01	.3390-01	.3390-01	.9500	.8185-03	.1022-02	.1461	1.036	532.2

IH102 83-0 TOP CENTERLINE (R4W559)

TOP CENTERLINE

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = 6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
573	3.519	4.020	-.2106-02	6.012	58.12	710.7	167.9	.3727	4.216	2554.	.5990-02	.1351-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
573	.3015-01	.8189-02

TEST DATA

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF P= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
573	.00000	.00000	367.00	.6085	.9268	.9268	.9500	.1834-01	.2794-01	1.898	15.58	607.2
573	.00000	.80000-03	368.00	.1857	.2326	.2326	.9500	.5598-02	.7011-02	.9869	7.779	534.4
573	.00000	.19000-02	369.00	.4320	.6097	.6097	.9500	.1302-01	.1838-01	1.588	13.20	588.7
573	.00000	.37000-02	370.00	.3690	.5058	.5058	.9500	.1112-01	.1525-01	1.461	11.72	579.3
573	.00000	.58000-02	371.00	.2381	.3266	.3266	.9500	.7177-02	.9846-02	.9407	9.401	579.6
573	.00000	.87000-02	372.00	.2411	.3214	.3214	.9500	.7269-02	.9690-02	1.034	8.492	568.4
573	.00000	.11800-01	373.00	.2086	.2735	.2735	.9500	.6288-02	.8246-02	.9412	7.095	561.0
573	.00000	.15100-01	374.00	.1712	.2223	.2223	.9500	.5161-02	.6702-02	.7976	6.028	556.1
573	.00000	.18200-01	375.00	.1594	.2064	.2064	.9500	.4805-02	.6221-02	.7499	5.431	554.6
573	.00000	.21500-01	376.00	.1299	.1675	.1675	.9500	.3916-02	.5049-02	.6202	4.664	552.3
573	.00000	.24600-01	377.00	.1495	.1998	.1998	.9500	.4507-02	.6025-02	.6359	4.856	569.6
573	.00000	.27800-01	378.00	.1720	.2286	.2286	.9500	.5187-02	.6891-02	.7453	6.289	567.0
573	.00000	.60900-01	379.00	.2690	.3648	.3648	.9500	.8110-02	.1100-01	1.098	8.753	575.3
573	.00000	.64600-01	380.00	.2030	.2736	.2736	.9500	.6120-02	.8247-02	.8435	8.053	572.9
573	.00000	.68400-01	381.00	.2417	.3250	.3250	.9500	.7288-02	.9797-02	1.011	7.660	571.9
573	.00000	.72100-01	382.00	.2266	.3022	.3022	.9500	.6831-02	.9109-02	.9707	7.290	568.6
573	.00000	.76000-01	383.00	.2109	.2803	.2803	.9500	.6359-02	.8449-02	.9133	6.704	567.0
573	.00000	.79600-01	384.00	.1931	.2559	.2559	.9500	.5822-02	.7715-02	.8432	5.955	565.8
573	.00000	.95300-01	385.00	.1889	.2525	.2525	.9500	.5694-02	.7613-02	.8027	6.130	569.7
573	.00000	.98900-01	386.00	.1760	.2357	.2357	.9500	.5307-02	.7104-02	.7452	6.183	570.2
573	.00000	.10190	387.00	.1670	.2241	.2241	.9500	.5036-02	.6757-02	.7026	5.615	571.2

IH102 83-0 TOP CENTERLINE (R4W559)

RUN NUMBER	YO	XB/LB	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
573	.00000	.11600	388.00	.1514	.2083	.2083	.9500	.4565-02	.6279-02	.5944	6.104	580.5
573	.00000	.11950	389.00	.2463	.3346	.3346	.9500	.7426-02	.1009-01	1.000	6.748	576.0
573	.00000	.12310	390.00	.2528	.3395	.3395	.9500	.7622-02	.1024-01	1.061	6.603	571.5
573	.00000	.12680	391.00	.2411	.3207	.3207	.9500	.7269-02	.9668-02	1.041	6.420	567.5
573	.00000	.13050	392.00	.2578	.3423	.3423	.9500	.7771-02	.1032-01	1.118	6.412	566.8
573	.00000	.13380	393.00	.2561	.3412	.3412	.9500	.7721-02	.1029-01	1.100	6.391	568.1
573	.00000	.13760	394.00	.2634	.3501	.3501	.9500	.7942-02	.1055-01	1.140	6.678	567.1
573	.00000	.14110	395.00	.2433	.3230	.3230	.9500	.7334-02	.9739-02	1.056	6.940	566.7
573	.00000	.14480	396.00	.2449	.3251	.3251	.9500	.7384-02	.9799-02	1.064	7.063	566.5
573	.00000	.14830	397.00	.2622	.3510	.3510	.9500	.7905-02	.1058-01	1.110	7.353	570.2
573	.00000	.15190	398.00	.3993	.5448	.5448	.9500	.1204-01	.1642-01	1.601	11.14	577.6
573	.00000	.15560	399.00	.4956	.6939	.6939	.9500	.1494-01	.2092-01	1.857	13.55	586.4
573	.00000	.15820	400.00	.5071	.7283	.7283	.9500	.1529-01	.2196-01	1.789	12.88	593.6
573	.00000	.16080	401.00	.4945	.7136	.7136	.9500	.1491-01	.2151-01	1.725	12.92	595.0
573	.00000	.16350	402.00	.5019	.7284	.7284	.9500	.1513-01	.2196-01	1.729	13.45	596.4
573	.00000	.16640	403.00	.5013	.7291	.7291	.9500	.1511-01	.2198-01	1.719	13.71	596.9
573	.00000	.16910	404.00	.5103	.7472	.7472	.9500	.1538-01	.2253-01	1.724	13.79	598.6
573	.00000	.17200	405.00	.5200	.7670	.7670	.9500	.1568-01	.2312-01	1.730	13.82	600.3
573	.00000	.17480	406.00	.5283	.7690	.7690	.9500	.1593-01	.2318-01	1.808	14.47	597.2
573	.00000	.17690	407.00	.5468	.7781	.7781	.9500	.1648-01	.2346-01	1.970	14.83	591.1
573	.00000	.18000	408.00	.5603	.7793	.7793	.9500	.1689-01	.2349-01	2.137	14.22	584.2
573	.00000	.18310	409.00	.4777	.6465	.6465	.9500	.1440-01	.1849-01	1.960	13.35	574.6
573	.00000	.18630	410.00	.4164	.5578	.5578	.9500	.1255-01	.1682-01	1.759	12.01	570.5
573	.00000	.18940	411.00	.3842	.5066	.5066	.9500	.1158-01	.1527-01	1.703	11.18	563.6
573	.00000	.19720	413.00	.2009	.2568	.2568	.9500	.6058-02	.7741-02	.9897	7.337	547.3
573	.00000	.20490	414.00	.8233-01	.1031	.1031	.9500	.2482-02	.3108-02	.4378	3.267	534.3
573	.00000	.22500	415.00	.9410-02	.1176-01	.1176-01	.9500	.2837-03	.3545-03	.5046-01	.5116	532.8
573	.00000	.25000	416.00	.1375-01	.1736-01	.1736-01	.9500	.4145-03	.5234-03	.7082-01	.6035	539.8
573	.00000	.27500	417.00	.3216-01	.4055-01	.4055-01	.9500	.9695-03	.1222-02	.1665	1.127	538.9
573	.00000	.30000	418.00	.1793-01	.2248-01	.2248-01	.9500	.5405-03	.6778-03	.9486-01	.6065	535.2
573	.00000	.32500	419.00	.2578-01	.3212-01	.3212-01	.9500	.7772-03	.9682-03	.1400	.9515	530.6
573	.00000	.35000	420.00	.3357-01	.4159-01	.4159-01	.9500	.1012-02	.1254-02	.1864	1.301	526.5
573	.00000	.37500	421.00	.3777-01	.4678-01	.4678-01	.9500	.1139-02	.1410-02	.2101	1.435	526.2
573	.00000	.40000	422.00	.4373-01	.5422-01	.5422-01	.9500	.1318-02	.1635-02	.2422	1.659	527.0
573	.00000	.42500	423.00	.6238-01	.7780-01	.7780-01	.9500	.1881-02	.2346-02	.3372	2.392	531.4

PILOT RT(X-SECT.)

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
566	1.070	3.010	-4.930	.0000	10.00	693.7	246.7	.2682	1.701	2318.	.2935-02	.1975-06
567	1.073	3.010	-4.928	-.1718-02	10.00	692.7	246.3	.2682	1.701	2316.	.2939-02	.1972-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
566	.1905-01	.1165-01
567	.1905-01	.1164-01

TEST DATA

RUN NUMBER	XB/LB	PHI	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R* TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
566	.27000-01	273.00	436.00	.1640	.2108	.2108	.9500	.3124-02	.4017-02	.4874	3.693	537.7
566	.27000-01	280.00	435.00	.1777	.2287	.2287	.9500	.3385-02	.4357-02	.5264	4.014	538.2
566	.27000-01	287.50	434.00	.1856	.2394	.2394	.9500	.3537-02	.4561-02	.5465	4.180	539.2
566	.27000-01	295.00	433.00	.1859	.2389	.2389	.9500	.3541-02	.4552-02	.5534	4.295	537.4
566	.27000-01	303.00	432.00	.1601	.2064	.2064	.9500	.3050-02	.3932-02	.4717	3.658	539.0
566	.27000-01	310.00	431.00	.1377	.1772	.1772	.9500	.2623-02	.3376-02	.4078	3.197	538.2
566	.27000-01	320.00	430.00	.1240	.1583	.1583	.9500	.2363-02	.3016-02	.3782	3.036	533.6
566	.27000-01	324.00	429.00	.1090	.1387	.1387	.9500	.2076-02	.2642-02	.3364	2.912	531.6
566	.27000-01	335.00	428.00	.9300-01	.1185	.1185	.9500	.1772-02	.2258-02	.2856	2.700	532.5
566	.27000-01	343.00	427.00	.7498-01	.9611-01	.9611-01	.9500	.1429-02	.1831-02	.2253	2.302	535.9
567	.50000-01	274.00	450.00	.7701-01	.9933-01	.9933-01	.9500	.1467-02	.1892-02	.2261	2.552	538.5
567	.50000-01	284.00	449.00	.3069-03	.3325-03	.3325-03	.9500	.5847-05	.6334-05	.2634-02	.2684-01	242.2
567	.50000-01	289.00	448.00	.1231	.1588	.1588	.9500	.2345-02	.3024-02	.3618	2.908	538.4
567	.50000-01	295.00	447.00	.9455-01	.1223	.1223	.9500	.1801-02	.2329-02	.2751	2.730	539.9
567	.50000-01	300.00	446.00	.9961-01	.1287	.1287	.9500	.1897-02	.2452-02	.2905	2.647	539.6
567	.50000-01	306.00	445.00	.1049	.1350	.1350	.9500	.1998-02	.2572-02	.3101	2.666	537.5
567	.50000-01	311.00	444.00	.1056	.1359	.1359	.9500	.2012-02	.2589-02	.3132	2.593	537.1
567	.50000-01	318.00	443.00	.1095	.1406	.1406	.9500	.2087-02	.2679-02	.3270	2.585	536.0
567	.50000-01	321.50	442.00	.1141	.1460	.1460	.9500	.2174-02	.2782-02	.3442	2.752	534.3

IH102 83-0 PILOT RT(X-SECT) (R4W452)

RUN NUMBER	XB/LB	PHI	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
567	.50000-01	327.50	441.00	.8704-01	.1116	.1116	.9500	.1658-02	.2125-02	.2612	2.436	535.1
567	.50000-01	334.00	440.00	.8840-01	.1132	.1132	.9500	.1684-02	.2156-02	.2664	2.485	534.5
567	.50000-01	339.00	439.00	.9246-01	.1185	.1185	.9500	.1761-02	.2257-02	.2777	2.496	535.0
566	.50000-01	347.00	438.00	.6282-01	.8099-01	.8099-01	.9500	.1197-02	.1543-02	.1850	1.602	539.1
566	.50000-01	352.50	437.00	.5474-01	.7059-01	.7059-01	.9500	.1043-02	.1345-02	.1611	1.439	539.2
567	.20490	270.00	477.00	.1444	.1834	.1834	.9500	.2750-02	.3493-02	.4479	3.972	529.8
567	.20490	273.00	476.00	.1258	.1606	.1606	.9500	.2397-02	.3060-02	.3831	3.576	532.8
567	.20490	275.50	475.00	.1353	.1731	.1731	.9500	.2576-02	.3297-02	.4083	3.974	534.2
567	.20490	278.00	474.00	.1371	.1758	.1758	.9500	.2613-02	.3349-02	.4113	4.002	535.2
567	.20490	284.00	473.00	.1581	.2035	.2035	.9500	.3012-02	.3876-02	.4683	3.807	537.2
567	.20490	287.00	472.00	.1431	.1856	.1856	.9500	.2727-02	.3536-02	.4125	4.383	541.4
567	.20490	290.00	471.00	.1389	.1801	.1801	.9500	.2647-02	.3431-02	.4011	3.891	541.1
567	.20490	292.00	470.00	.1569	.2030	.2030	.9500	.2989-02	.3867-02	.4554	4.420	540.3
567	.20490	295.00	469.00	.1676	.2170	.2170	.9500	.3192-02	.4135-02	.4848	3.864	540.8
567	.20490	298.00	468.00	.2974-03	.3222-03	.3222-03	.9500	.5665-05	.6137-05	.2552-02	.2684-01	242.2
567	.20490	300.50	467.00	.1881	.2437	.2437	.9500	.3583-02	.4642-02	.5441	4.582	540.8
567	.20490	303.00	466.00	.1722	.2231	.2231	.9500	.3280-02	.4251-02	.4975	4.111	541.0
567	.20490	305.00	465.00	.1900	.2460	.2460	.9500	.3619-02	.4685-02	.5509	4.675	540.5
567	.20490	307.00	464.00	.2074	.2680	.2680	.9500	.3951-02	.5105-02	.6050	5.403	539.5
567	.20490	310.50	463.00	.1863	.2407	.2407	.9500	.3548-02	.4584-02	.5439	4.672	539.4
567	.20490	313.50	462.00	.2220	.2862	.2862	.9500	.4229-02	.5451-02	.6529	5.403	538.3
567	.20490	317.00	461.00	.2184	.2813	.2813	.9500	.4161-02	.5358-02	.6449	5.339	537.7
567	.20490	320.00	460.00	.1792	.2320	.2320	.9500	.3413-02	.4420-02	.5189	4.454	540.6
567	.20490	322.00	459.00	.1893	.2449	.2449	.9500	.3607-02	.4665-02	.5506	4.727	540.0
567	.20490	326.00	458.00	.2104	.2716	.2716	.9500	.4009-02	.5174-02	.6166	5.738	538.9
567	.20490	330.00	457.00	.2022	.2610	.2610	.9500	.3853-02	.4971-02	.5930	5.709	538.8
567	.20490	333.00	456.00	.2005	.2582	.2582	.9500	.3819-02	.4918-02	.5918	5.750	537.7
567	.20490	338.00	455.00	.2065	.2657	.2657	.9500	.3934-02	.5062-02	.6119	5.947	537.2
567	.20490	342.00	454.00	.2024	.2606	.2606	.9500	.3856-02	.4964-02	.5985	5.816	537.5
567	.20490	346.00	453.00	.2025	.2603	.2603	.9500	.3858-02	.4959-02	.6018	5.851	536.7
567	.20490	351.00	452.00	.2024	.2596	.2596	.9500	.3856-02	.4945-02	.6068	5.904	535.3
567	.20490	355.00	451.00	.2235	.2868	.2868	.9500	.4258-02	.5463-02	.6684	5.982	535.7

PILOT RT(X-SECT.)

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
558	3.529	3.010	-4.954	.3454-02	34.08	709.7	252.4	.9140	5.797	2344.	.9775-02	.2018-06
559	3.538	3.010	-4.946	.0000	34.03	707.7	251.7	.9127	5.788	2341.	.9789-02	.2013-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
558	.3532-01	.6405-02
559	.3527-01	.6398-02

TEST DATA

RUN NUMBER	XB/LB	PHI	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
558	.27000-01	273.00	436.00	.1442	.1878	.1878	.9500	.5093-02	.6631-02	.7789	5.845	556.7
558	.27000-01	280.00	435.00	.1698	.2217	.2217	.9500	.5998-02	.7828-02	.9100	6.871	557.9
558	.27000-01	287.50	434.00	.1882	.2466	.2466	.9500	.6647-02	.8709-02	.9964	7.542	559.8
558	.27000-01	295.00	433.00	.1724	.2257	.2257	.9500	.6088-02	.7971-02	.9142	7.017	559.5
558	.27000-01	303.00	432.00	.1307	.1723	.1723	.9500	.4617-02	.6085-02	.6793	5.206	562.5
558	.27000-01	310.00	431.00	.1091	.1434	.1434	.9500	.3851-02	.5066-02	.5701	4.417	561.7
558	.27000-01	320.00	430.00	.1145	.1483	.1483	.9500	.4042-02	.5238-02	.6281	4.990	554.3
558	.27000-01	324.00	429.00	.9724-01	.1250	.1250	.9500	.3434-02	.4414-02	.5487	4.706	549.9
558	.27000-01	335.00	428.00	.8952-01	.1148	.1148	.9500	.3161-02	.4055-02	.5089	4.773	548.7
558	.27000-01	343.00	427.00	.8113-01	.1043	.1043	.9500	.2865-02	.3682-02	.4584	4.650	549.7
559	.50000-01	274.00	450.00	.5794-01	.7660-01	.7660-01	.9500	.2044-02	.2702-02	.2969	3.309	562.4
559	.50000-01	289.00	448.00	.1092	.1424	.1424	.9500	.3851-02	.5024-02	.5835	4.648	556.1
559	.50000-01	295.00	447.00	.7180-01	.9443-01	.9443-01	.9500	.2533-02	.3331-02	.3740	3.674	560.0
559	.50000-01	300.00	446.00	.6591-01	.8680-01	.8680-01	.9500	.2325-02	.3062-02	.3417	3.081	560.7
559	.50000-01	306.00	445.00	.6651-01	.8718-01	.8718-01	.9500	.2346-02	.3075-02	.3500	2.977	558.5
559	.50000-01	311.00	444.00	.6482-01	.8483-01	.8483-01	.9500	.2286-02	.2992-02	.3430	2.811	557.7
559	.50000-01	318.00	443.00	.6534-01	.8533-01	.8533-01	.9500	.2305-02	.3010-02	.3480	2.722	556.7
559	.50000-01	321.50	442.00	.6263-01	.8155-01	.8155-01	.9500	.2209-02	.2877-02	.3369	2.666	555.2
559	.50000-01	327.50	441.00	.4954-01	.6491-01	.6491-01	.9500	.1747-02	.2289-02	.2611	2.407	558.2

IH102 83-0 PILOT RT(X-SEC") (R4W452)

RUN NUMBER	XB/LB	PHI	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
559	.50000-01	334.00	440.00	.3611-01	.4714-01	.4714-01	.9500	.1274-02	.1663-02	.1925	1.776	556.5
559	.50000-01	339.00	439.00	.4530-01	.5876-01	.5876-01	.9500	.1598-02	.2073-02	.2469	2.199	553.2
558	.50000-01	347.00	438.00	.5119-01	.6612-01	.6612-01	.9500	.1808-02	.2335-02	.2841	2.442	552.5
558	.50000-01	352.50	437.00	.3527-01	.4567-01	.4567-01	.9500	.1246-02	.1613-02	.1941	1.721	553.8
559	.20490	270.00	477.00	.1615	.2135	.2135	.9500	.5697-02	.7530-02	.8280	7.224	562.3
559	.20490	273.00	476.00	.1569	.2094	.2094	.9500	.5536-02	.7384-02	.7824	7.182	566.3
559	.20490	275.50	475.00	.1462	.1956	.1956	.9500	.5158-02	.6898-02	.7233	6.924	567.4
559	.20490	278.00	474.00	.1420	.1901	.1901	.9500	.5009-02	.6704-02	.7011	6.711	567.7
559	.20490	284.00	473.00	.1255	.1673	.1673	.9500	.4428-02	.5900-02	.6283	5.035	565.8
559	.20490	287.00	472.00	.6332-01	.8546-01	.8546-01	.9500	.2234-02	.3014-02	.3051	3.193	571.1
559	.20490	290.00	471.00	.6573-01	.8814-01	.8814-01	.9500	.2319-02	.3109-02	.3227	3.087	568.5
559	.20490	292.00	470.00	.7184-01	.9553-01	.9553-01	.9500	.2534-02	.3370-02	.3617	3.467	565.0
559	.20490	295.00	469.00	.6419-01	.8524-01	.8524-01	.9500	.2264-02	.3007-02	.3244	2.555	564.4
559	.20490	300.50	467.00	.3509-01	.4666-01	.4666-01	.9500	.1238-02	.1646-02	.1767	1.470	564.9
559	.20490	303.00	466.00	.3245-01	.4311-01	.4311-01	.9500	.1144-02	.1520-02	.1638	1.337	564.6
559	.20490	305.00	465.00	.6437-01	.8556-01	.8556-01	.9500	.2270-02	.3018-02	.3244	2.719	564.8
559	.20490	307.00	464.00	.8070-01	.1075	.1075	.9500	.2847-02	.3792-02	.4040	3.561	565.8
559	.20490	310.50	463.00	.7772-01	.1033	.1033	.9500	.2742-02	.3643-02	.3919	3.323	564.7
559	.20490	313.50	462.00	.9007-01	.1195	.1195	.9500	.3177-02	.4214-02	.4567	3.731	563.9
559	.20490	317.00	461.00	.9450-01	.1252	.1252	.9500	.3333-02	.4416-02	.4811	3.931	563.3
559	.20490	320.00	460.00	.9343-01	.1246	.1246	.9500	.3295-02	.4396-02	.4657	3.946	566.4
559	.20490	322.00	459.00	.9812-01	.1309	.1309	.9500	.3461-02	.4619-02	.4887	4.140	566.5
559	.20490	326.00	458.00	.1246	.1663	.1663	.9500	.4395-02	.5865-02	.6208	5.698	566.4
559	.20490	330.00	457.00	.1087	.1452	.1452	.9500	.3834-02	.5122-02	.5394	5.120	567.0
559	.20490	333.00	456.00	.8602-01	.1146	.1146	.9500	.3034-02	.4044-02	.4300	4.120	566.0
559	.20490	338.00	455.00	.8645-01	.1150	.1150	.9500	.3049-02	.4057-02	.4344	4.163	565.2
559	.20490	342.00	454.00	.7518-01	.1002	.1002	.9500	.2652-02	.3535-02	.3755	3.598	566.1
559	.20490	346.00	453.00	.7756-01	.1032	.1032	.9500	.2736-02	.3642-02	.3890	3.728	565.5
559	.20490	351.00	452.00	.8448-01	.1122	.1122	.9500	.2980-02	.3958-02	.4265	4.089	564.5
559	.20490	355.00	451.00	.9560-01	.1269	.1269	.9500	.3372-02	.4477-02	.4836	4.265	564.3

PILOT RT(X-SECT.)

PARAMETRIC DATA

MACH = 3.000 ALPHA = -5.000 BETA = 6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
562	3.525	3.010	-4.967	5.954	34.04	709.7	252.4	.9130	5.790	2344.	.9765-02	.2018-06
563	3.527	3.010	-4.962	5.948	34.06	709.7	252.4	.9135	5.794	2344.	.9770-02	.2018-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
562	.3530-01	.6408-02
563	.3531-01	.6407-02

TEST DATA

RUN NUMBER	XB/LB	PHI	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
562	.27000-01	273.00	436.00	.1870	.2478	.2478	.9500	.6600-02	.8748-02	.9537	7.126	565.2
562	.27000-01	280.00	435.00	.2010	.2679	.2679	.9500	.7095-02	.9455-02	1.009	7.581	567.5
562	.27000-01	287.50	434.00	.2181	.2919	.2919	.9500	.7699-02	.1830-01	1.081	8.146	569.2
562	.27000-01	295.00	433.00	.2173	.2876	.2876	.9500	.7671-02	.1015-01	1.114	8.532	564.4
562	.27000-01	303.00	432.00	.1848	.2452	.2452	.9500	.6522-02	.8654-02	.9395	7.189	565.6
562	.27000-01	310.00	431.00	.1432	.1893	.1893	.9500	.5055-02	.6683-02	.7361	5.697	564.0
562	.27000-01	320.00	430.00	.1230	.1592	.1592	.9500	.4340-02	.5618-02	.6768	5.378	553.7
562	.27000-01	324.00	429.00	.1081	.1396	.1396	.9500	.3815-02	.4929-02	.5990	5.130	552.7
562	.27000-01	335.00	428.00	.9810-01	.1263	.1263	.9500	.3463-02	.4458-02	.5505	5.157	550.7
562	.27000-01	343.00	427.00	.8375-01	.1079	.1079	.9500	.2956-02	.3808-02	.4689	4.753	551.1
563	.50000-01	274.00	450.00	.7314-01	.9779-01	.9779-01	.9500	.2582-02	.3452-02	.3636	4.041	568.9
563	.50000-01	284.00	449.00	.8095-04	.8760-04	.8760-04	.9500	.2858-05	.3093-05	.1336-02	.1361-01	242.3
563	.50000-01	289.00	448.00	.1420	.1865	.1865	.9500	.5015-02	.6586-02	.7461	5.929	560.9
563	.50000-01	295.00	447.00	.1055	.1385	.1385	.9500	.3725-02	.4889-02	.5549	5.448	560.7
563	.50000-01	300.00	446.00	.1021	.1336	.1336	.9500	.3606-02	.4717-02	.5435	4.905	559.0
563	.50000-01	306.00	445.00	.8474-01	.1104	.1104	.9500	.2992-02	.3897-02	.4571	3.891	556 9
563	.50000-01	311.00	444.00	.7551-01	.9829-01	.9829-01	.9500	.2666-02	.3470-02	.4081	3.346	556.6
563	.50000-01	318.00	443.00	.7322-01	.9518-01	.9518-01	.9500	.2585-02	.3360-02	.3977	3.112	555.8
563	.50000-01	321.50	442.00	.6087-01	.7888-01	.7888-01	.9500	.2149-02	.2785-02	.3340	2.644	554.2

IH102 83-0 PILOT RT(X-SECT) (R4W453)

RUN NUMBER	XB/LB	PHI	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
563	.50000-01	327.50	441.00	.4294-01	.5572-01	.5572-01	.9500	.1516-02	.1967-02	.2346	2.166	554.9
563	.50000-01	334.00	440.00	.4845-01	.6274-01	.6274-01	.9500	.1711-02	.2215-02	.2666	2.462	553.8
563	.50000-01	339.00	439.00	.5990-01	.7787-01	.7787-01	.9500	.2115-02	.2749-02	.3251	2.892	555.9
562	.50000-01	347.00	438.00	.7248-01	.9396-01	.9396-01	.9500	.2558-02	.3316-02	.3970	3.410	554.5
562	.50000-01	352.50	437.00	.4479-01	.5784-01	.5784-01	.9500	.1581-02	.2042-02	.2486	2.206	552.4
563	.20490	270.00	477.00	.2096	.2801	.2801	.9500	.7402-02	.9889-02	1.044	9.082	568.6
563	.20490	273.00	476.00	.2021	.2724	.2724	.9500	.7135-02	.9616-02	.9811	8.979	572.2
563	.20490	275.50	475.00	.1918	.2587	.2587	.9500	.6773-02	.9132-02	.9305	8.886	572.3
563	.20490	278.00	474.00	.1838	.2476	.2476	.9500	.6491-02	.8741-02	.8946	8.545	571.8
563	.20490	284.00	473.00	.1665	.2218	.2218	.9500	.5880-02	.7831-02	.8374	6.705	567.3
563	.20490	287.00	472.00	.1151	.1535	.1535	.9500	.4065-02	.5419-02	.5773	6.052	567.7
563	.20490	290.00	471.00	.9652-01	.1270	.1270	.9500	.3408-02	.4483-02	.5042	4.841	561.7
563	.20490	292.00	470.00	.7192-01	.9369-01	.9369-01	.9500	.2539-02	.3308-02	.3877	3.731	557.0
563	.20490	295.00	469.00	.6282-01	.8141-01	.8141-01	.9500	.2218-02	.2874-02	.3446	2.728	554.3
563	.20490	298.00	468.00	.7844-04	.8488-04	.8488-04	.9500	.2769-05	.2997-05	.1294-02	.1361-01	242.3
563	.20490	300.50	467.00	.2797-01	.3616-01	.3616-01	.9500	.9873-03	.1277-02	.1545	1.293	553.1
563	.20490	303.00	466.00	.3012-01	.3900-01	.3900-01	.9500	.1063-02	.1377-02	.1656	1.360	553.9
563	.20490	305.00	465.00	.3177-01	.4122-01	.4122-01	.9500	.1122-02	.1455-02	.1735	1.462	555.0
563	.20490	307.00	464.00	.3509-01	.4568-01	.4568-01	.9500	.1239-02	.1613-02	.1895	1.678	556.7
563	.20490	310.50	463.00	.5011-01	.6535-01	.6535-01	.9500	.1769-02	.2307-02	.2692	2.291	557.5
563	.20490	313.50	462.00	.6792-01	.8862-01	.8862-01	.9500	.2398-02	.3129-02	.3642	2.984	557.8
563	.20490	317.00	461.00	.7537-01	.9831-01	.9831-01	.9500	.2661-02	.3471-02	.4047	3.316	557.6
563	.20490	320.00	460.00	.7990-01	.1049	.1049	.9500	.2821-02	.3702-02	.4205	3.574	560.6
563	.20490	322.00	459.00	.8684-01	.1141	.1141	.9500	.3066-02	.4030-02	.4548	3.863	561.3
563	.20490	326.00	458.00	.9149-01	.1203	.1203	.9500	.3230-02	.4247-02	.4789	4.407	561.4
563	.20490	330.00	457.00	.8417-01	.1107	.1107	.9500	.2972-02	.3909-02	.4396	4.184	561.7
563	.20490	333.00	456.00	.8445-01	.1110	.1110	.9500	.2982-02	.3920-02	.4419	4.243	561.5
563	.20490	338.00	455.00	.8566-01	.1126	.1126	.9500	.3024-02	.3975-02	.4487	4.309	561.3
563	.20490	342.00	454.00	.7416-01	.9766-01	.9766-01	.9500	.2618-02	.3448-02	.3860	3.705	562.2
563	.20490	346.00	453.00	.7224-01	.9497-01	.9497-01	.9500	.2550-02	.3353-02	.3780	3.630	561.4
563	.20490	351.00	452.00	.7721-01	.1014	.1014	.9500	.2726-02	.3579-02	.4058	3.897	560.8
563	.20490	355.00	451.00	.9217-01	.1211	.1211	.9500	.3254-02	.4274-02	.4838	4.275	561.0

PILOT RT(X-SECT.)

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
564	1.065	3.010	.3400-01	.1187-04	10.01	696.7	247.7	.2686	1.703	2323.	.2926-02	.1983-06
565	1.067	3.010	.3200-01	.0000	9.995	694.7	247.0	.2681	1.700	2319.	.2929-02	.1978-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
564	.1908-01	.1168-01
565	.1905-01	.1167-01

TEST DATA

RUN NUMBER	XB/LB	PHI	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
564	.27000-01	273.00	436.00	.1691	.2213	.2213	.9500	.3227-02	.4222-02	.4768	3.592	548.9
564	.27000-01	280.00	435.00	.1940	.2550	.2550	.9500	.3701-02	.4866-02	.5384	4.079	551.2
564	.27000-01	287.50	434.00	.2197	.2906	.2906	.9500	.4192-02	.5546-02	.5981	4.541	554.0
564	.27000-01	295.00	433.00	.2593	.3435	.3435	.9500	.4948-02	.6555-02	.7030	5.409	554.6
564	.27000-01	303.00	432.00	.2795	.3726	.3726	.9500	.5333-02	.7110-02	.7434	5.712	557.3
564	.27000-01	310.00	431.00	.2876	.3834	.3834	.9500	.5488-02	.7317-02	.7648	5.939	557.3
564	.27000-01	320.00	430.00	.2895	.3792	.3792	.9500	.5524-02	.7236-02	.8137	6.480	549.4
564	.27000-01	324.00	429.00	.2554	.3353	.3353	.9500	.4873-02	.6398-02	.7122	6.106	550.5
564	.27000-01	335.00	428.00	.2429	.3195	.3195	.9500	.4636-02	.6096-02	.6741	6.314	551.2
564	.27000-01	343.00	427.00	.2497	.3305	.3305	.9500	.4764-02	.6306-02	.6784	6.866	554.3
565	.50000-01	274.00	450.00	.1071	.1384	.1384	.9500	.2040-02	.2636-02	.3131	3.529	541.2
565	.50000-01	289.00	448.00	.2321	.3002	.3002	.9500	.4423-02	.5719-02	.6779	5.440	541.4
565	.50000-01	295.00	447.00	.2194	.2850	.2850	.9500	.4180-02	.5431-02	.6302	6.240	543.9
565	.50000-01	300.00	446.00	.2526	.3282	.3282	.9500	.4812-02	.6253-02	.7256	6.598	543.9
565	.50000-01	306.00	445.00	.2692	.3485	.3485	.9500	.5128-02	.6639-02	.7827	6.713	542.0
565	.50000-01	311.00	444.00	.2794	.3615	.3615	.9500	.5324-02	.6888-02	.8147	6.730	541.7
565	.50000-01	318.00	443.00	.2932	.3786	.3786	.9500	.5587-02	.7213-02	.8609	6.789	540.6
565	.50000-01	321.50	442.00	.2896	.3726	.3726	.9500	.5518-02	.7100-02	.8604	6.864	538.8
565	.50000-01	327.50	441.00	.2507	.3233	.3233	.9500	.4776-02	.6161-02	.7383	6.868	540.1

IH102 83-0 PILOT RT(X-SECT) (R4W454)

RUN NUMBER	XB/LB	PHI	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
565	.50000-01	334.00	440.00	.2497	.3217	.3217	.9500	.4758-02	.6129-02	.7388	6.874	539.4
565	.50000-01	339.00	439.00	.2624	.3385	.3385	.9500	.5000-02	.6449-02	.7730	6.930	540.1
564	.50000-01	347.00	438.00	.3263	.4269	.4269	.9500	.6226-02	.8146-02	.9201	7.926	548.9
564	.50000-01	352.50	437.00	.3227	.4221	.4221	.9500	.6158-02	.8053-02	.9116	8.105	548.6
565	.20490	270.00	477.00	.2111	.2708	.2708	.9500	.4022-02	.5160-02	.6338	5.601	537.1
565	.20490	273.00	476.00	.2096	.2703	.2703	.9500	.3994-02	.5151-02	.6179	5.747	540.0
565	.20490	275.50	475.00	.2126	.2745	.2745	.9500	.4051-02	.5231-02	.6237	6.052	540.7
565	.20490	278.00	474.00	.2086	.2695	.2695	.9500	.3975-02	.5135-02	.6112	5.929	540.9
565	.20490	284.00	473.00	.1831	.2364	.2364	.9500	.3488-02	.4505-02	.5371	4.358	540.7
565	.20490	287.00	472.00	.1930	.2506	.2506	.9500	.3678-02	.4775-02	.5560	5.900	543.5
565	.20490	290.00	471.00	.1712	.2222	.2222	.9500	.3263-02	.4235-02	.4937	4.783	543.4
565	.20490	292.00	470.00	.2076	.2685	.2685	.9500	.3955-02	.5115-02	.6058	5.875	541.5
565	.20490	295.00	469.00	.2087	.2704	.2704	.9500	.3976-02	.5152-02	.6051	4.818	542.5
565	.20490	300.50	467.00	.2572	.3325	.3325	.9500	.4901-02	.6335-02	.7520	6.331	541.2
565	.20490	303.00	466.00	.2477	.3204	.3204	.9500	.4720-02	.6104-02	.7231	5.974	541.5
565	.20490	305.00	465.00	.2553	.3296	.3296	.9500	.4864-02	.6280-02	.7490	6.356	540.7
565	.20490	307.00	464.00	.2487	.3209	.3209	.9500	.4739-02	.6115-02	.7315	6.531	540.3
565	.20490	310.50	463.00	.2314	.2982	.2982	.9500	.4409-02	.5681-02	.6838	5.872	539.6
565	.20490	313.50	462.00	.2593	.3338	.3338	.9500	.4940-02	.6359-02	.7686	6.358	539.1
565	.20490	317.00	461.00	.2521	.3243	.3243	.9500	.4803-02	.6178-02	.7494	6.200	538.6
565	.20490	320.00	460.00	.2417	.3124	.3124	.9500	.4605-02	.5952-02	.7067	6.064	541.2
565	.20490	322.00	459.00	.2524	.3259	.3259	.9500	.4809-02	.6209-02	.7407	6.358	540.6
565	.20490	326.00	458.00	.2476	.3195	.3195	.9500	.4718-02	.6088-02	.7285	6.775	540.3
565	.20490	330.00	457.00	.2421	.3124	.3124	.9500	.4612-02	.5953-02	.7112	6.841	540.5
565	.20490	333.00	456.00	.2387	.3077	.3077	.9500	.4548-02	.5862-02	.7045	6.839	539.8
565	.20490	338.00	455.00	.2364	.3044	.3044	.9500	.4504-02	.5800-02	.6999	6.796	539.3
565	.20490	342.00	454.00	.2456	.3167	.3167	.9500	.4679-02	.6035-02	.7233	7.020	540.1
565	.20490	346.00	453.00	.2382	.3070	.3070	.9500	.4539-02	.5849-02	.7041	6.836	539.6
565	.20490	351.00	452.00	.2350	.3022	.3022	.9500	.4478-02	.5758-02	.6997	6.797	538.4
565	.20490	355.00	451.00	.2580	.3321	.3321	.9500	.4916-02	.6327-02	.7657	6.841	538.9

IH102 83-0 PILOT RT(X-SECT) (R4W454)

PILOT RT(X-SECT.)

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
556	3.542	3.010	-.6000-02	.8378-05	34.00	706.7	251.3	.9117	5.782	2339.	.9792-02	.2010-06
557	3.517	3.010	.2000-02	-.1336-05	34.10	711.7	253.1	.9146	5.801	2347.	.9754-02	.2023-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
556	.3525-01	.6395-02
557	.3535-01	.6414-02

TEST DATA

RUN NUMBER	XB/LB	PHI	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
556	.27000-01	273.00	436.00	.1476	.1982	.1982	.9500	.5203-02	.6987-02	.7199	5.371	568.3
556	.27000-01	280.00	435.00	.1826	.2469	.2469	.9500	.6436-02	.8702-02	.8735	6.553	571.0
556	.27000-01	287.50	434.00	.1846	.2527	.2527	.9500	.6505-02	.8906-02	.8524	6.401	575.6
556	.27000-01	295.00	433.00	.1600	.2206	.2206	.9500	.5638-02	.7775-02	.7249	5.512	578.1
556	.27000-01	303.00	432.00	.1454	.2017	.2017	.9500	.5125-02	.7109-02	.6491	4.931	580.0
556	.27000-01	310.00	431.00	.1469	.2029	.2029	.9500	.5176-02	.7151-02	.6622	5.087	578.7
556	.27000-01	320.00	430.00	.1362	.1832	.1832	.9500	.4801-02	.6459-02	.6611	5.213	569.0
556	.27000-01	324.00	429.00	.1102	.1475	.1475	.9500	.3885-02	.5200-02	.5428	4.615	567.0
556	.27000-01	335.00	428.00	.1025	.1368	.1368	.9500	.3612-02	.4821-02	.5091	4.733	565.7
556	.27000-01	343.00	427.00	.9520-01	.1275	.1275	.9500	.3355-02	.4493-02	.4682	4.707	567.1
557	.50000-01	274.00	450.00	.7156-01	.9448-01	.9448-01	.9500	.2529-02	.3339-02	.3710	4.130	565.0
557	.50000-01	289.00	448.00	.1131	.1499	.1499	.9500	.3999-02	.5297-02	.5805	4.600	566.5
557	.50000-01	295.00	447.00	.8485-01	.1130	.1130	.9500	.2999-02	.3993-02	.4287	4.192	568.7
557	.50000-01	300.00	446.00	.8690-01	.1156	.1156	.9500	.3072-02	.4086-02	.4402	3.954	568.4
557	.50000-01	306.00	445.00	.8843-01	.1167	.1167	.9500	.3126-02	.4124-02	.4595	3.896	564.7
557	.50000-01	311.00	444.00	.1041	.1369	.1369	.9500	.3678-02	.4838-02	.5462	4.463	563.2
557	.50000-01	318.00	443.00	.1199	.1582	.1582	.9500	.4238-02	.5592-02	.6230	4.854	564.7
557	.50000-01	321.50	442.00	.1400	.1860	.1860	.9500	.4948-02	.6576-02	.7112	5.591	567.9
557	.50000-01	327.50	441.00	.8759-01	.1151	.1151	.9500	.3096-02	.4067-02	.4615	4.244	562.6

IH102 83-0 PILOT RT(X-SECT) (R4W454)

RUN NUMBER	XB/LB	PHI	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
557	.50000-01	334.00	440.00	.6477-01	.8432-01	.8432-01	.9500	.2289-02	.2980-02	.3514	3.238	558.2
557	.50000-01	339.00	439.00	.6909-01	.8367-01	.8967-01	.9500	.2442-02	.3170-02	.3786	3.366	556.6
556	.50000-01	347.00	438.00	.6080-01	.8072-01	.8072-01	.9500	.2143-02	.2845-02	.3068	2.623	563.5
556	.50000-01	352.50	437.00	.4055-01	.5411-01	.5411-01	.9500	.1429-02	.1907-02	.2017	1.778	565.6
557	.20490	270.00	477.00	.7428-01	.9634-01	.9634-01	.9500	.2626-02	.3405-02	.4080	3.571	556.3
557	.20490	273.00	476.00	.5294-01	.6908-01	.6908-01	.9500	.1871-02	.2442-02	.2850	2.625	559.4
557	.20490	275.50	475.00	.5013-01	.6567-01	.6567-01	.9500	.1772-02	.2321-02	.2665	2.559	561.3
557	.20490	278.00	474.00	.5690-01	.7468-01	.7468-01	.9500	.2011-02	.2640-02	.3007	2.886	562.2
557	.20490	284.00	473.00	.7123-01	.9342-01	.9342-01	.9500	.2518-02	.3302-02	.3771	3.027	561.9
557	.20490	287.00	472.00	.3951-01	.5219-01	.5219-01	.9500	.1396-02	.1845-02	.2044	2.145	565.3
557	.20490	290.00	471.00	.4189-01	.5511-01	.5511-01	.9500	.1481-02	.1948-02	.2196	2.107	563.3
557	.20490	292.00	470.00	.4433-01	.5803-01	.5803-01	.9500	.1567-02	.2051-02	.2362	2.268	560.9
557	.20490	295.00	469.00	.4389-01	.5744-01	.5744-01	.9500	.1551-02	.2030-02	.2341	1.847	560.8
557	.20490	300.50	467.00	.2698-01	.3528-01	.3528-01	.9500	.9537-03	.1247-02	.1443	1.203	560.4
557	.20490	303.00	466.00	.2611-01	.3411-01	.3411-01	.9500	.9229-03	.1206-02	.1400	1.146	559.9
557	.20490	305.00	465.00	.2233-01	.2917-01	.2917-01	.9500	.7894-03	.1031-02	.1198	1.007	559.9
557	.20490	307.00	464.00	.1858-01	.2428-01	.2428-01	.9500	.6566-03	.8583-03	.9942-01	.8787	560.3
557	.20490	310.50	463.00	.1809-01	.2361-01	.2361-01	.9500	.6393-03	.8345-03	.9728-01	.8271	559.5
557	.20490	313.50	462.00	.1581-01	.2062-01	.2062-01	.9500	.5589-03	.7287-03	.8534-01	.6989	559.0
557	.20490	317.00	461.00	.1512-01	.1969-01	.1969-01	.9500	.5344-03	.6959-03	.8194-01	.6713	558.3
557	.20490	320.00	460.00	.1591-01	.2081-01	.2081-01	.9500	.5624-03	.7355-03	.8504-01	.7227	560.5
557	.20490	322.00	459.00	.2446-01	.3202-01	.3202-01	.9500	.8647-03	.1132-02	.1304	1.108	560.9
557	.20490	326.00	458.00	.5555-01	.7312-01	.7312-01	.9500	.1963-02	.2585-02	.2907	2.672	563.6
557	.20490	330.00	457.00	.7270-01	.9602-01	.9602-01	.9500	.2570-02	.3394-02	.3765	3.577	565.1
557	.20490	333.00	456.00	.7365-01	.9718-01	.9718-01	.9500	.2603-02	.3435-02	.3824	3.666	564.7
557	.20490	338.00	455.00	.7400-01	.9761-01	.9761-01	.9500	.2616-02	.3450-02	.3849	3.690	564.5
557	.20490	342.00	454.00	.7820-01	.1035	.1035	.9500	.2764-02	.3657-02	.4026	3.857	566.0
557	.20490	346.00	453.00	.8688-01	.1148	.1148	.9500	.3071-02	.4057-02	.4493	4.306	565.3
557	.20490	351.00	452.00	.9175-01	.1210	.1210	.9500	.3243-02	.4277-02	.4772	4.575	564.5
557	.20490	355.00	451.00	.8698-01	.1147	.1147	.9500	.3074-02	.4053-02	.4531	3.997	564.3

PILOT RT(X-SECT.)

PARAMETRIC DATA

MACH = 3.000 ALPHA = .0000 BETA = 6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
560	3.527	3.010	-.6256-02	5.952	34.06	709.7	252.4	.9135	5.794	2344.	.9770-02	.2018-06
561	3.525	3.010	-.8901-07	5.952	34.11	710.7	252.7	.9148	5.802	2346.	.9770-02	.2021-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
560	.3531-01	.6407-02
561	.3534-01	.6408-02

TEST DATA

RUN NUMBER	XB/LB	PHI	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
560	.27000-01	273.00	436.00	.2146	.2895	.2895	.9500	.7578-02	.1022-01	1.040	7.741	572.5
560	.27000-01	280.00	435.00	.2305	.3146	.3146	.9500	.8139-02	.1111-01	1.081	8.082	576.9
560	.27000-01	287.50	434.00	.2456	.3343	.3343	.9500	.8673-02	.1180-01	1.160	8.712	575.9
560	.27000-01	295.00	433.00	.2401	.3242	.3242	.9500	.8477-02	.1145-01	1.159	8.839	572.9
560	.27000-01	303.00	432.00	.2071	.2812	.2812	.9500	.7312-02	.9928-02	.9847	7.500	575.0
560	.27000-01	310.00	431.00	.1726	.2334	.2334	.9500	.6094-02	.8240-02	.8302	6.395	573.4
560	.27000-01	320.00	430.00	.1527	.2013	.2013	.9500	.5392-02	.7106-02	.7930	6.273	562.8
560	.27000-01	324.00	429.00	.1334	.1751	.1751	.9500	.4711-02	.6181-02	.7029	5.997	560.5
560	.27000-01	335.00	428.00	.1219	.1589	.1589	.9500	.4303-02	.5608-02	.6560	6.125	557.2
560	.27000-01	343.00	427.00	.1084	.1415	.1415	.9500	.3827-02	.4996-02	.5804	5.863	558.0
561	.50000-01	274.00	450.00	.1211	.1637	.1637	.9500	.4279-02	.5784-02	.5846	6.479	574.1
561	.50000-01	284.00	449.00	.2035-03	.2202-03	.2202-03	.9500	.7193-05	.7783-05	.3370-02	.3434-01	242.1
561	.50000-01	289.00	448.00	.2523	.3411	.3411	.9500	.8917-02	.1205-01	1.218	9.614	574.1
561	.50000-01	295.00	447.00	.1411	.1885	.1885	.9500	.4986-02	.6660-02	.7049	6.892	569.3
561	.50000-01	300.00	446.00	.1216	.1617	.1617	.9500	.4297-02	.5715-02	.6152	5.529	567.5
561	.50000-01	306.00	445.00	.1000	.1324	.1324	.9500	.3535-02	.4678-02	.5140	4.358	565.2
561	.50000-01	311.00	444.00	.9506-01	.1256	.1256	.9500	.3359-02	.4438-02	.4911	4.011	564.5
561	.50000-01	318.00	443.00	.9587-01	.1264	.1264	.9500	.3388-02	.4468-02	.4980	3.882	563.7
561	.50000-01	321.50	442.00	.8614-01	.1129	.1129	.9500	.3044-02	.3991-02	.4560	3.598	560.9

IH102 83-0 PILOT RT(X-SEC") (R4W455)

RUN NUMBER	XB/LB	PHI	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= T/W/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
561	.50000-01	327.50	441.00	.7642-01	.1005	.1005	.9500	.2701-02	.3550-02	.4010	3.688	562.2
561	.50000-01	334.00	440.00	.7437-01	.9818-01	.9818-01	.9500	.2628-02	.3470-02	.3850	3.538	564.2
561	.50000-01	339.00	439.00	.9457-01	.1237	.1237	.9500	.3342-02	.4371-02	.5046	4.479	559.7
560	.50000-01	347.00	438.00	.8381-01	.1091	.1091	.9500	.2959-02	.3851-02	.4533	3.890	556.5
560	.50000-01	352.50	437.00	.5906-01	.7679-01	.7679-01	.9500	.2085-02	.2711-02	.3204	2.838	556.0
561	.20490	270.00	477.00	.5152-01	.6696-01	.6696-01	.9500	.1821-02	.2366-02	.2804	2.454	556.6
561	.20490	273.00	476.00	.7799-01	.1031	.1031	.9500	.2756-02	.3645-02	.4017	3.690	564.9
561	.20490	275.50	475.00	.1318	.1775	.1775	.9500	.4657-02	.6271-02	.6426	6.136	572.7
561	.20490	278.00	474.00	.1681	.2284	.2284	.9500	.5941-02	.8072-02	.7997	7.622	576.1
561	.20490	284.00	473.00	.1850	.2496	.2496	.9500	.6539-02	.8820-02	.8981	7.169	573.3
561	.20490	287.00	472.00	.1312	.1782	.1782	.9500	.4635-02	.6297-02	.6242	6.516	576.0
561	.20490	290.00	471.00	.1236	.1661	.1661	.9500	.4368-02	.5871-02	.6061	5.789	571.9
561	.20490	292.00	470.00	.1122	.1491	.1491	.9500	.3964-02	.5269-02	.5686	5.443	567.2
561	.20490	295.00	469.00	.1160	.1535	.1535	.9500	.4099-02	.5424-02	.5959	4.691	565.3
561	.20490	298.00	468.00	.1972-03	.2134-03	.2134-03	.9500	.6970-05	.7541-05	.3266-02	.3434-01	242.1
561	.20490	300.50	467.00	.9388-01	.1240	.1240	.9500	.3318-02	.4381-02	.4857	4.042	564.3
561	.20490	303.00	466.00	.9141-01	.1206	.1206	.9500	.3230-02	.4262-02	.4741	3.873	563.9
561	.20490	305.00	465.00	.8634-01	.1138	.1138	.9500	.3051-02	.4020-02	.4499	3.775	563.2
561	.20490	307.00	464.00	.7967-01	.1049	.1049	.9500	.2815-02	.3706-02	.4163	3.675	562.8
561	.20490	310.50	463.00	.7747-01	.1018	.1018	.9500	.2738-02	.3596-02	.4075	3.460	561.8
561	.20490	313.50	462.00	.8076-01	.1060	.1060	.9500	.2854-02	.3745-02	.4265	3.489	561.2
561	.20490	317.00	461.00	.7771-01	.1018	.1018	.9500	.2746-02	.3599-02	.4118	3.369	560.7
561	.20490	320.00	460.00	.7404-01	.9760-01	.9760-01	.9500	.2617-02	.3449-02	.3852	3.268	563.5
561	.20490	322.00	459.00	.7809-01	.1029	.1029	.9500	.2760-02	.3638-02	.4061	3.446	563.5
561	.20490	326.00	458.00	.7399-01	.9763-01	.9763-01	.9500	.2615-02	.3450-02	.3838	3.527	563.9
561	.20490	330.00	457.00	.7350-01	.9713-01	.9713-01	.9500	.2597-02	.3432-02	.3794	3.606	564.6
561	.20490	333.00	456.00	.7996-01	.1057	.1057	.9500	.2826-02	.3737-02	.4118	3.947	564.9
561	.20490	338.00	455.00	.8977-01	.1187	.1187	.9500	.3172-02	.4194-02	.4627	4.436	564.8
561	.20490	342.00	454.00	.9945-01	.1320	.1320	.9500	.3515-02	.4666-02	.5060	4.846	566.7
561	.20490	346.00	453.00	.1041	.1381	.1381	.9500	.3678-02	.4882-02	.5301	5.077	566.6
561	.20490	351.00	452.00	.1045	.1384	.1384	.9500	.3693-02	.4891-02	.5361	5.137	565.5
561	.20490	355.00	451.00	.1148	.1519	.1519	.9500	.4058-02	.5369-02	.5904	5.206	565.2

PILOT RT(X-SECT.)

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPOBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
570	3.520	4.020	-4.944	.0000	58.14	710.7	167.9	.3728	4.217	2554.	.5992-02	.1351-06
571	3.526	4.020	-5.024	.0000	58.12	709.7	167.7	.3727	4.216	2552.	.5993-02	.1349-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
570	.3015-01	.8187-02
571	.3014-01	.8181-02

TEST DATA

RUN NUMBER	XB/LB	PHI	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
570	.27000-01	273.00	436.00	.1334	.1713	.1713	.9500	.4023-02	.5165-02	.6468	4.870	549.9
570	.27000-01	280.00	435.00	.1593	.2045	.2045	.9500	.4803-02	.6165-02	.7725	5.857	549.8
570	.27000-01	287.50	434.00	.1674	.2154	.2154	.9500	.5048-02	.6495-02	.8049	6.119	551.2
570	.27000-01	295.00	433.00	.1586	.2032	.2032	.9500	.4782-02	.6128-02	.7737	5.970	548.9
570	.27000-01	303.00	432.00	.1392	.1787	.1787	.9500	.4197-02	.5387-02	.6749	5.205	549.9
570	.27000-01	310.00	431.00	.1165	.1493	.1493	.9500	.3513-02	.4503-02	.5681	4.430	549.0
570	.27000-01	320.00	430.00	.9544-01	.1214	.1214	.9500	.2878-02	.3661-02	.4781	3.817	544.5
570	.27000-01	324.00	429.00	.8372-01	.1061	.1061	.9500	.2524-02	.3200-02	.4249	3.658	542.3
570	.27000-01	335.00	428.00	.7094-01	.9015-01	.9015-01	.9500	.2139-02	.2718-02	.3567	3.353	543.9
570	.27000-01	343.00	427.00	.5536-01	.7080-01	.7090-01	.9500	.1669-02	.2138-02	.2707	2.748	548.5
571	.50000-01	274.00	450.00	.5706-01	.7380-01	.7380-01	.9500	.1720-02	.2224-02	.2690	3.012	553.3
571	.50000-01	284.00	449.00	.3931-03	.4254-03	.4254-03	.9500	.1185-04	.1282-04	.5536-02	.5641-01	242.4
571	.50000-01	289.00	448.00	.9341-01	.1201	.1201	.9500	.2815-02	.3618-02	.4503	3.598	549.7
571	.50000-01	295.00	447.00	.6428-01	.8295-01	.8295-01	.9500	.1937-02	.2500-02	.3054	3.012	552.3
571	.50000-01	300.00	446.00	.6428-01	.8301-01	.8301-01	.9500	.1937-02	.2502-02	.3047	2.759	552.4
571	.50000-01	306.00	445.00	.6299-01	.8114-01	.8114-01	.9500	.1898-02	.2445-02	.3012	2.571	551.0
571	.50000-01	311.00	444.00	.6177-01	.7959-01	.7959-01	.9500	.1862-02	.2399-02	.2951	2.426	551.2
571	.50000-01	318.00	443.00	.6376-01	.8208-01	.8208-01	.9500	.1922-02	.2474-02	.3056	2.397	550.7
571	.50000-01	321.50	442.00	.5982-01	.7693-01	.7693-01	.9500	.1803-02	.2318-02	.2876	2.281	550.1

IH102 83-0 PILOT RT(X-SECT) (R4W456)

RUN NUMBER	XB/LB	PHI	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
571	.50000-01	327.50	441.00	.3419-01	.4417-01	.4417-01	.9500	.1030-02	.1331-02	.1619	1.496	552.6
571	.50000-01	334.00	440.00	.3258-01	.4209-01	.4209-01	.9500	.9820-03	.1269-02	.1543	1.426	552.6
571	.50000-01	339.00	439.00	.3467-01	.4488-01	.4488-01	.9500	.1045-02	.1353-02	.1630	1.452	553.7
570	.50000-01	347.00	438.00	.3565-01	.4635-01	.4635-01	.9500	.1075-02	.1398-02	.1653	1.419	556.8
570	.50000-01	352.50	437.00	.3307-01	.4308-01	.4308-01	.9500	.9972-03	.1299-02	.1526	1.351	557.6
571	.20490	270.00	477.00	.1483	.1904	.1904	.9500	.4470-02	.5738-02	.7175	6.302	548.1
571	.20490	273.00	476.00	.1326	.1714	.1714	.9500	.3996-02	.5167-02	.6254	5.779	553.2
571	.20490	275.50	475.00	.1356	.1758	.1758	.9500	.4088-02	.5300-02	.6341	6.110	554.5
571	.20490	278.00	474.00	.1333	.1730	.1730	.9500	.4018-02	.5215-02	.6216	5.988	555.0
571	.20490	284.00	473.00	.1483	.1922	.1922	.9500	.4469-02	.5793-02	.6938	5.591	554.4
571	.20490	287.00	472.00	.9001-01	.1180	.1180	.9500	.2713-02	.3556-02	.4059	4.271	560.1
571	.20490	290.00	471.00	.8845-01	.1157	.1157	.9500	.2666-02	.3487-02	.4017	3.862	559.0
571	.20490	292.00	470.00	.1432	.1862	.1862	.9500	.4315-02	5613-02	.6617	6.370	556.3
571	.20490	295.00	469.00	.1167	.1521	.1521	.9500	.3516-02	.4585-02	.5352	4.230	557.4
571	.20490	298.00	468.00	.3809-03	.4123-03	.4123-03	.9500	.1148-04	.1243-04	.5365-02	.5641-01	242.4
571	.20490	300.50	467.00	.1830	.2386	.2386	.9500	.5516-02	.7191-02	.8403	7.017	557.3
571	.20490	303.00	466.00	.1188	.1551	.1551	.9500	.3581-02	.4674-02	.5435	4.453	557.9
571	20490	305.00	465.00	.1820	.2370	.2370	.9500	.5485-02	.7144-02	.8383	7.055	556.9
571	.20490	307.00	464.00	.1716	.2236	.2236	.9500	.5173-02	.6738-02	.7904	6.998	556.9
571	.20490	310.50	463.00	.1122	.1459	.1459	.9500	.3381-02	.4397-02	.5189	4.419	556.2
571	.20490	313.50	462.00	.1867	.2424	.2424	.9500	.5628-02	.7306-02	.8697	7.136	555.1
571	.20490	317.00	461.00	.1828	.2370	.2370	.9500	.5509-02	.7142-02	.8551	7.018	554.5
571	.20490	320.00	460.00	.1178	.1537	.1537	.9500	.3551-02	.4631-02	.5400	4.596	557.6
571	.20490	322.00	459.00	.1236	.1611	.1611	.9500	.3724-02	.4855-02	.5673	4.828	557.3
571	.20490	326.00	458.00	.1751	.2280	.2280	.9500	.5279-02	.6871-02	.8082	7.455	556.6
571	.20490	330.00	457.00	.1157	.1509	.1509	.9500	.3488-02	.4547-02	.5311	5.066	557.4
571	.20490	333.00	456.00	.1134	.1476	.1476	.9500	.3418-02	.4448-02	.5237	5.041	556.4
571	.20490	338.00	455.00	.1701	.2208	.2208	.9500	.5128-02	.6656-02	.7925	7.633	555.1
571	.20490	342.00	454.00	.1099	.1430	.1430	.9500	.3312-02	.4311-02	.5071	4.881	556.6
571	.20490	346.00	453.00	.1158	.1504	.1504	.9500	.3490-02	.4534-02	.5376	5.177	555.6
571	.20490	351.00	452.00	.1511	.1956	.1956	.9500	.4553-02	.5895-02	.7099	6.843	553.8
571	.20490	355.00	451.00	.1871	.2423	.2423	.9500	.5639-02	.7302-02	.8785	7.789	553.9

PILOT RT(X-SECT.)

PARAMETRIC DATA

MACH = 4.000 ALPHA = -5.000 BETA = 6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
574	3.506	4.020	-5.030	6.032	58.03	711.7	168.2	.3722	4.210	2556.	.5973-02	.1353-06
575	3.501	4.020	-4.971	5.958	57.95	711.7	168.2	.3716	4.204	2556.	.5965-02	.1353-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
574	.3013-01	.8202-02
575	.3011-01	.8208-02

TEST DATA

RUN NUMBER	XB/LB	PHI	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
574	.27000-01	273.00	436.00	.1797	.2333	.2333	.9500	.5416-02	.7031-02	.8388	6.294	556.8
574	.27000-01	280.00	435.00	.1963	.2552	.2552	.9500	.5917-02	.7691-02	.9126	6.892	557.4
574	.27000-01	287.50	434.00	.2056	.2680	.2680	.9500	.6195-02	.8076-02	.9465	7.168	558.9
574	.27000-01	295.00	433.00	.1993	.2578	.2578	.9500	.6006-02	.7768-02	.9421	7.248	554.8
574	.27000-01	303.00	432.00	.1770	.2284	.2284	.9500	.5334-02	.6883-02	.8431	6.491	553.6
574	.27000-01	310.00	431.00	.1503	.1929	.1929	.9500	.4530-02	.5812-02	.7308	5.695	550.3
574	.27000-01	320.00	430.00	.1201	.1523	.1523	.9500	.3619-02	.4589-02	.6093	4.867	543.3
574	.27000-01	324.00	429.00	.9727-01	.1227	.1227	.9500	.2931-02	.3696-02	.5039	4.344	539.8
574	.27000-01	335.00	428.00	.7885-01	.9956-01	.9956-01	.9500	.2376-02	.3000-02	.4066	3.829	540.6
574	.27000-01	343.00	427.00	.6776-01	.8601-01	.8601-01	.9500	.2042-02	.2592-02	.3424	3.483	544.0
575	.50000-01	274.00	450.00	.7387-01	.9574-01	.9574-01	.9500	.2224-02	.2883-02	.3465	3.875	555.9
575	.50000-01	289.00	448.00	.1244	.1592	.1592	.9500	.3746-02	.4795-02	.6097	4.874	548.9
575	.50000-01	295.00	447.00	.9338-01	.1195	.1195	.9500	.2812-02	.3599-02	.4571	4.514	549.1
575	.50000-01	300.00	446.00	.8997-01	.1148	.1148	.9500	.2709-02	.3457-02	.4457	4.046	547.2
575	.50000-01	306.00	445.00	.7882-01	.1000+00	.1000+00	.9500	.2373-02	.3041-02	.3987	3.417	543.7
575	.50000-01	311.00	444.00	.7078-01	.8965-01	.8965-01	.9500	.2131-02	.2689-02	.3603	2.975	542.6
575	.50000-01	318.00	443.00	.6703-01	.8471-01	.8471-01	.9500	.2018-02	.2561-02	.3441	2.713	541.2
575	.50000-01	321.50	442.00	.5570-01	.7018-01	.7018-01	.9500	.1677-02	.2113-02	.2893	2.307	539.2
575	.50000-01	327.50	441.00	.4109-01	.5188-01	.5188-01	.9500	.1237-02	.1562-02	.2118	1.969	540.5

IH102 83-0 PILOT RT(X-SEC") (R4W457)

RUN NUMBER	XB/LB	PHI	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= T/AW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
575	.50000-01	334.00	440.00	.3604-01	.4546-01	.4546-01	.9500	.1085-02	.1369-02	.1865	1.735	539.9
575	.50000-01	339.00	439.00	.3578-01	.4519-01	.4519-01	.9500	.1077-02	.1361-02	.1841	1.650	540.8
574	.50000-01	347.00	438.00	.3746-01	.4773-01	.4773-01	.9500	.1129-02	.1438-02	.1866	1.610	546.3
574	.50000-01	352.50	437.00	.2913-01	.3716-01	.3716-01	.9500	.8778-03	.1120-02	.1446	1.287	547.0
575	.20490	270.00	477.00	.1013	.1281	.1281	.9500	.3049-02	.3857-02	.5177	4.564	541.9
575	.20490	273.00	476.00	.8812-01	.1120	.1120	.9500	.2653-02	.3371-02	.4433	4.114	544.6
575	.20490	275.50	475.00	.8178-01	.1040	.1040	.9500	.2463-02	.3132-02	.4099	3.968	545.2
575	.20490	278.00	474.00	.7864-01	.1002	.1002	.9500	.2368-02	.3017-02	.3918	3.791	546.2
575	.20490	284.00	473.00	.6549-01	.8288-01	.8288-01	.9500	.1972-02	.2496-02	.3345	2.712	542.1
575	.20490	287.00	472.00	.2918-01	.3701-01	.3701-01	.9500	.8787-03	.1114-02	.1479	1.569	543.4
575	.20490	290.00	471.00	.1701-01	.2153-01	.2153-01	.9500	.5122-03	.6483-03	.8681-01	.8417	542.2
575	.20490	292.00	470.00	.9989-02	.1263-01	.1263-01	.9500	.3008-03	.3804-03	.5114-01	.4959	541.6
575	.20490	295.00	469.00	.3966-02	.5019-02	.5019-02	.9500	.1195-03	.1511-03	.2029-01	.1617	541.8
575	.20490	333.00	456.00	.1177-02	.1501-02	.1501-02	.9500	.3544-04	.4521-04	.5839-02	.5647-01	546.9
575	.20490	338.00	455.00	.1992-01	.2542-01	.2542-01	.9500	.5998-03	.7654-03	.9863-01	.9538	547.2
575	.20490	342.00	454.00	.3855-02	.4925-02	.4925-02	.9500	.1161-03	.1483-03	.1900-01	.1837	547.9
575	.20490	346.00	453.00	.1814-01	.2318-01	.2318-01	.9500	.5463-03	.6980-03	.8944-01	.8646	548.0
575	.20490	351.00	452.00	.2350-01	.3000-01	.3000-01	.9500	.7077-03	.9033-03	.1164	1.125	547.3
575	.20490	355.00	451.00	.3472-01	.4439-01	.4439-01	.9500	.1045-02	.1337-02	.1707	1.518	548.3

PILOT RT(X-SECT.)

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = .0000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
568	3.503	4.020	-.1200-01	.0000	58.11	712.7	168.4	.3726	4.215	2557.	.5972-02	.1355-06
569	3.519	4.020	-.1400-01	.0000	58.12	710.7	167.9	.3727	4.217	2554.	.5991-02	.1351-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
568	.3016-01	.8204-02
569	.3015-01	.8188-02

TEST DATA

RUN NUMBER	XB/LB	PHI	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
568	.27000-01	273.00	436.00	.1334	.1737	.1737	.9500	.4022-02	.5240-02	.6166	4.621	559.4
568	.27000-01	280.00	435.00	.1681	.2193	.2193	.9500	.5068-02	.6615-02	.7723	5.824	560.3
568	.27000-01	287.50	434.00	.1717	.2255	.2255	.9500	.5180-02	.6801-02	.7742	5.850	563.2
568	.27000-01	295.00	433.00	.1706	.2237	.2237	.9500	.5145-02	.6746-02	.7722	5.918	562.6
568	.27000-01	303.00	432.00	.1540	.2026	.2026	.9500	.4645-02	.6109-02	.6906	5.289	564.0
568	.27000-01	310.00	431.00	.1372	.1798	.1798	.9500	.4136-02	.5424-02	.6210	4.809	562.6
568	.27000-01	320.00	430.00	.1187	.1538	.1538	.9500	.3579-02	.4637-02	.5588	4.434	556.5
568	.27000-01	324.00	429.00	.1033	.1331	.1331	.9500	.3115-02	.4013-02	.4959	4.245	553.5
568	.27000-01	335.00	428.00	.9107-01	.1174	.1174	.9500	.2746-02	.3541-02	.4361	4.079	553.9
568	.27000-01	343.00	427.00	.7759-01	.1007	.1007	.9500	.2340-02	.3037-02	.3635	3.673	557.3
569	.50000-01	274.00	450.00	.6480-01	.8373-01	.8373-01	.9500	.1954-02	.2524-02	.3071	3.440	553.5
569	.50000-01	284.00	449.00	.3670-03	.3971-03	.3971-03	.9500	.1106-04	.1197-04	.5183-02	.5281-01	242.2
569	.50000-01	289.00	448.00	.1078	.1389	.1389	.9500	.3250-02	.4186-02	.5166	4.124	551.7
569	.50000-01	295.00	447.00	.7970-01	.1031	.1031	.9500	.2403-02	.3109-02	.3758	3.701	554.3
569	.50000-01	300.00	446.00	.8118-01	.1049	.1049	.9500	.2447-02	.3164-02	.3841	3.475	553.7
569	.50000-01	306.00	445.00	.7810-01	.1005	.1005	.9500	.2355-02	.3030-02	.3753	3.204	551.3
569	.50000-01	311.00	444.00	.7585-01	.9753-01	.9753-01	.9500	.2287-02	.2940-02	.3656	3.006	550.8
569	.50000-01	318.00	443.00	.7610-01	.9766-01	.9766-01	.9500	.2294-02	.2944-02	.3694	2.899	549.7
569	.50000-01	321.50	442.00	.6605-01	.8450-01	.8450-01	.9500	.1991-02	.2548-02	.3241	2.574	547.9

IH102 83-0 PILOT RT(X-SECT) (R4W458)

RUN NUMBER	XB/LB	PHI	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
569	.50000-01	327.50	441.00	.4893-01	.6271-01	.6271-01	.9500	.1475-02	.1891-02	.2385	2.208	549.0
569	.50000-01	334.00	440.00	.4526-01	.5794-01	.5794-01	.9500	.1364-02	.1747-02	.2214	2.051	548.4
569	.50000-01	339.00	439.00	.4771-01	.6120-01	.6120-01	.9500	.1439-02	.1845-02	.2320	2.070	549.4
568	.50000-01	347.00	438.00	.4927-01	.6339-01	.6339-01	.9500	.1486-02	.1912-02	.2376	2.043	552.7
568	.50000-01	352.50	437.00	.4242-01	.5462-01	.5462-01	.9500	.1279-02	.1647-02	.2040	1.810	553.2
569	.20490	270.00	477.00	.1753-01	.2234-01	.2234-01	.9500	.5286-03	.6736-03	.8728-01	.7679	545.6
569	.20490	273.00	476.00	.1598-01	.2046-01	.2046-01	.9500	.4818-03	.6167-03	.7828-01	.7252	548.2
569	.20490	275.50	475.00	.1391-01	.1783-01	.1783-01	.9500	.4193-03	.5377-03	.6766-01	.6537	549.3
569	.20490	278.00	474.00	.1428-01	.1830-01	.1830-01	.9500	.4304-03	.5519-03	.6947-01	.6712	549.2
569	.20490	284.00	473.00	.2112-01	.2707-01	.2707-01	.9500	.6367-03	.8162-03	.1028	.8309	549.2
569	.20490	292.00	470.00	.4983-02	.6429-02	.6429-02	.9500	.1502-03	.1938-03	.2374-01	.2289	552.7
569	.20490	298.00	468.00	.3556-03	.3848-03	.3848-03	.9500	.1072-04	.1160-04	.5022-02	.5281-01	242.2
569	.20490	355.00	451.00	.1785-01	.2324-01	.2324-01	.9500	.5382-03	.7008-03	.8247-01	.7299	557.5

IH102 83-0 PILOT RT(X-SECT) (R4W459)

PILOT RT(X-SECT.)

PARAMETRIC DATA

MACH = 4.000 ALPHA = .0000 BETA = 6.000 ELEVON = .0000
BDFLAP = .0000 SPDBRK = .0000

TEST CONDITIONS

RUN NUMBER	RN/L /FT X10 6	MACH	ALPHA DEG.	BETA DEG.	PO PSIA	TO DEG. R	T DEG. R	P PSIA	Q PSI	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
572	3.517	4.020	-.4214-02	6.014	58.08	710.7	167.9	.3725	4.214	2554.	.5987-02	.1351-06
573	3.519	4.020	-.2106-02	6.012	58.12	710.7	167.9	.3727	4.216	2554.	.5990-02	.1351-06

RUN NUMBER	HREF BTU/ R FT2SEC	STN NO REF(R) =.0175
572	.3014-01	.8191-02
573	.3015-01	.8189-02

TEST DATA

RUN NUMBER	XB/LB	PHI	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
572	.27000-01	273.00	436.00	.1866	.2416	.2416	.9500	.5624-02	.7281-02	.8786	6.600	554.5
572	.27000-01	280.00	435.00	.2032	.2638	.2638	.9500	.6123-02	.7951-02	.9461	7.150	556.1
572	.27000-01	287.50	434.00	.2154	.2811	.2811	.9500	.6491-02	.8471-02	.9866	7.472	558.7
572	.27000-01	295.00	433.00	.2161	.2806	.2806	.9500	.6514-02	.8456-02	1.008	7.747	556.0
572	.27000-01	303.00	432.00	.2023	.2625	.2625	.9500	.6098-02	.7910-02	.9456	7.273	555.6
572	.27000-01	310.00	431.00	.1789	.2308	.2308	.9500	.5391-02	.6957-02	.8510	6.623	552.8
572	.27000-01	320.00	430.00	.1437	.1831	.1831	.9500	.4331-02	.5519-02	.7152	5.706	545.5
572	.27000-01	324.00	429.00	.1190	.1507	.1507	.9500	.3587-02	.4543-02	.6057	5.216	541.8
572	.27000-01	335.00	428.00	.9953-01	.1261	.1261	.9500	.3000-02	.3801-02	.5057	4.756	542.1
572	.27000-01	343.00	427.00	.9139-01	.1164	.1164	.9500	.2754-02	.3508-02	.4553	4.629	545.4
573	.50000-01	274.00	450.00	.8541-01	.1112	.1112	.9500	.2575-02	.3353-02	.3943	4.407	557.8
573	.50000-01	289.00	448.00	.1407	.1821	.1821	.9500	.4241-02	.5490-02	.6621	5.278	554.5
573	.50000-01	295.00	447.00	.1103	.1430	.1430	.9500	.3326-02	.4311-02	.5169	5.089	555.2
573	.50000-01	300.00	446.00	.1093	.1412	.1412	.9500	.3294-02	.4257-02	.5174	4.682	553.8
573	.50000-01	306.00	445.00	.1018	.1306	.1306	.9500	.3068-02	.3935-02	.4940	4.221	549.6
573	.50000-01	311.00	444.00	.9282-01	.1189	.1189	.9500	.2798-02	.3586-02	.4527	3.726	548.9
573	.50000-01	318.00	443.00	.8952-01	.1144	.1144	.9500	.2699-02	.3448-02	.4412	3.468	547.2
573	.50000-01	321.50	442.00	.7745-01	.9852-01	.9852-01	.9500	.2335-02	.2970-02	.3878	3.085	544.6
573	.50000-01	327.50	441.00	.5975-01	.7606-01	.7606-01	.9500	.1801-02	.2293-02	.2984	2.769	545.0

IH102 83-0 PILOT RT(X-SECT) (R4W459)

RUN NUMBER	XB/LB	PHI	T/C NO	H/HREF R=1.0	H/HREF R=0.9	H/HREF R= TAW/TO	TAW/TO	H(TO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
573	.50000-01	334.00	440.00	.5327-01	.6775-01	.6775-01	.9500	.1606-02	.2043-02	.2670	2.478	544.4
573	.50000-01	339.00	439.00	.5083-01	.6479-01	.6479-01	.9500	.1532-02	.1953-02	.2526	2.258	545.8
572	.50000-01	347.00	438.00	.4620-01	.5912-01	.5912-01	.9500	.1392-02	.1782-02	.2263	1.951	548.1
572	.50000-01	352.50	437.00	.4076-01	.5216-01	.5216-01	.9500	.1228-02	.1572-02	.1997	1.776	548.1
573	.20490	270.00	477.00	.2978-01	.3773-01	.3773-01	.9500	.8978-03	.1137-02	.1515	1.335	542.0
573	.20490	273.00	476.00	.2978-01	.3789-01	.3789-01	.9500	.8978-03	.1142-02	.1490	1.382	544.7
573	.20490	275.50	475.00	.2909-01	.3709-01	.3709-01	.9500	.8770-03	.1118-02	.1445	1.398	545.9
573	.20490	278.00	474.00	.2997-01	.3825-01	.3825-01	.9500	.9035-03	.1153-02	.1483	1.435	546.5
573	.20490	284.00	473.00	.3539-01	.4519-01	.4519-01	.9500	.1067-02	.1362-02	.1747	1.413	546.9
573	.20490	287.00	472.00	.1760-01	.2258-01	.2258-01	.9500	.5307-03	.6807-03	.8558-01	.9055	549.4
573	.20490	290.00	471.00	.1828-01	.2337-01	.2337-01	.9500	.5511-03	.7045-03	.8992-01	.8694	547.5
573	.20490	292.00	470.00	.2302-01	.2935-01	.2935-01	.9500	.6939-03	.8847-03	.1143	1.107	545.9
573	.20490	295.00	469.00	.2029-01	.2587-01	.2587-01	.9500	.6118-03	.7800-03	.1008	.8014	545.9
573	.20490	300.50	467.00	.5139-02	.6555-02	.6555-02	.9500	.1549-03	.1976-03	.2548-01	.2140	546.2
573	.20490	303.00	466.00	.3617-02	.4614-02	.4614-02	.9500	.1091-03	.1391-03	.1795-01	.1479	546.1
573	.20490	305.00	465.00	.8151-03	.1040-02	.1040-02	.9500	.2457-04	.3134-04	.4044-02	.3422-01	546.1
573	.20490	346.00	453.00	.2616-03	.3346-03	.3346-03	.9500	.7886-05	.1009-04	.1285-02	.1242-01	547.7
573	.20490	351.00	452.00	.3714-02	.4745-02	.4745-02	.9500	.1120-03	.1430-03	.1831-01	.1771	547.1
573	.20490	355.00	451.00	.6086-02	.7790-02	.7790-02	.9500	.1835-03	.2348-03	.2981-01	.2651	549.2