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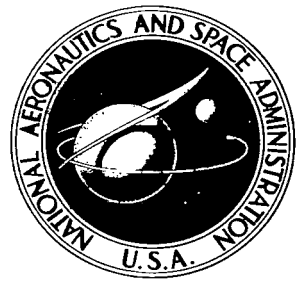

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HEAT-TRANSFER MEASUREMENTS ON A FLAT PLATE AND ATTACHED PROTUBERANCES IN A TURBULENT BOUNDARY LAYER AT MACH NUMBERS OF 2.65, 3.51, AND 4.44

by Robert L. Stallings, Jr., and Ida K. Collins

Langley Research Center
Langley Station, Hampton, Va.

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION • WASHINGTON, D. C. • SEPTEMBER 1964

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SUMMARY

Heat-transfer measurements were obtained on a flat plate and attached protuberances through a range of Mach number, Reynolds number, and angle of attack in boundary-layer thicknesses of 1.5 and 6.0 inches. The models consisted of two specific protuberances, an engine fairing and an equipment pod, and a generalized corrugated panel used with two leading edges.

The more streamlined protuberances, as compared with bluff protuberances, resulted in a smaller flat-plate surface area affected by flow separation and, in general, resulted in lower heating rates both on the flat plate and on the protuberance models.

Increasing the angle of attack of the specific protuberance model on the flat-plate surface resulted in increased heating rates both on the windward side of the model and on the flat plate windward of the model and in decreased heating rates on the leeward side of the model. Increasing Mach number resulted in increasing the heating ratio - the ratio of the local measured heating rate to the local undisturbed-plate heating rate - on both the models and flat plate, the increase being more significant on the model at the smaller boundary-layer thickness. The effect of Reynolds number on the heating ratio was, in general, very small and within data accuracy. Decreasing boundary-layer thickness resulted in increasing the heating ratio both on the model and in the flat-plate interference region and also amplified the effect of Mach number.

Heating rates obtained on a corrugated panel (the corrugations being parallel and pitched at 10° to the free-stream velocity vector) immersed in the boundary layer were no greater than the rates obtained on the undisturbed flat plate downstream of the panel leading-edge effects. Heating rates obtained in the corrugated-panel leading-edge region were generally larger and as much as two times those for the undisturbed flat plate.

INTRODUCTION

In order to minimize structural weight and volume on large booster configurations, numerous accessories essential to the booster operation are mounted in fairings protruding from the basic structure. The effect on the local aerodynamic heating rates to both the protuberance and the adjacent surface area at high supersonic and hypersonic Mach numbers has been of considerable concern to the designer in recent years. References 1 to 5 present the results of several experimental investigations concerned with protuberances mounted on a flat plate and have shown large heating rates to exist upstream of bluff protuberances and also on the protuberance itself. In general, these tests have been conducted on models of simple geometry such as cylinders, wedges, and flanges. It is the purpose of this investigation to define the heating distribution in more detail on specific protuberances and the surrounding surface area throughout a range of Mach number, Reynolds number, and angle of attack in boundary-layer thicknesses of 1.5 and 6.0 inches. Tests were also conducted through this same range of variables to determine the heating distribution on a corrugated panel immersed in a turbulent boundary layer.

Heat-transfer measurements were obtained on four models and the flat-plate surface through a Mach number range from 2.65 to 4.44, an angle-of-attack range from 0° to 10°, and a Reynolds number range from 1.3×10^{6} to 4.7×10^{6} for turbulent boundary-layer thicknesses of 1.5 inches and 6.0 inches.

SYMBOLS

b local skin thickness, ft

c specific heat of model skin, $\frac{\text{Btu}}{\text{lb-}^{\circ}\text{R}}$

c_p specific heat of air at constant pressure, $\frac{\text{Btu}}{\text{slug-}^{\circ}\text{R}}$

h heat-transfer coefficient, $\frac{\text{Btu}}{\text{ft}^2\text{-sec-}^{\circ}\text{R}}$

h_o heat-transfer coefficient measured on flat plate with no attached protuberances, $\frac{\text{Btu}}{\text{ft}^2\text{-sec-}^{\circ}\text{R}}$

k coefficient of thermal conductivity, $\frac{\text{Btu}}{\text{ft-sec-}^{\circ}\text{R}}$

M free-stream Mach number

N_{St} Stanton number based on free-stream conditions, $\frac{h}{(\rho V c_p)_\infty}$

R free-stream Reynolds number per unit length, $\left(\frac{\rho V}{\mu}\right)_\infty$, ft^{-1}

T_e measured wall temperature at steady-state conditions, ^oR

T_t stagnation temperature, ^oR

T_w wall temperature, ^oR

t time, sec

V velocity, ft/sec

w specific weight of model skin per unit area, lb/sq ft

x distance along flat-plate longitudinal axis, ft unless otherwise indicated

y distance measured in plane of flat plate perpendicular to its longitudinal center line, ft unless otherwise indicated

z distance measured perpendicular to flat-plate surface, in.

0,n time limits of integration

α angle of attack relative to flat-plate center line, deg

δ boundary-layer thickness, in.

μ dynamic viscosity coefficient, lb-sec/sq ft

ρ free-stream density of air, slugs/cu ft

Subscripts:

∞ free-stream condition

c corrected for lateral heat conduction

l local conditions outside boundary layer

0,1,2,. . . n time sequence

APPARATUS AND TEST CONDITIONS

This investigation was conducted in the high Mach number test section of the Langley Unitary Plan wind tunnel described in reference 6. This variable-pressure, continuous-flow tunnel has an asymmetrical sliding-block nozzle that permits a continuous variation in the test-section Mach number from 2.3 to 4.65. The maximum deviation in Mach number over the 4- by 4-foot test section through the range of the tests is ±0.05; however, these results were based on a calibration prior to the installation of the 4- by 10-foot flat-plate structure used for the current tests. As discussed in reference 2, the leading edge of this flat plate extends upstream from the test section and apparently intercepts a portion of the nozzle expansion. This condition resulted in a local Mach number decrease from the free-stream values at a distance of 116.47 inches from the plate leading edge, based on boundary-layer survey-rake measurements as follows:

M	R	M_l
2.65	4.87×10^6 3.14 1.60	2.64 2.66 2.61
3.51	4.78×10^6 3.33 1.89	3.41 3.41 3.38
4.44	4.34×10^6 3.04	4.13 4.09

It should be noted that these values are only applicable for those tests utilizing the flat-plate support structure (δ = 1.5 inches) where for all the remaining tests (δ = 6.0 inches) the previously mentioned Mach number deviation of ±0.05 is applicable.

The tests were conducted throughout the following ranges of variables for each model:

M	R	α, deg	δ, in.
2.65	1.33×10^6 to 3.98×10^6	0 to 10	1.5, 6.0
3.51	1.65×10^6 to 4.05×10^6	0 to 10	1.5, 6.0
4.44	2.16×10^6 to 4.69×10^6	0 to 10	1.5, 6.0

MODELS AND INSTRUMENTATION

The heat-transfer measurements were obtained on both the protuberance models and the adjacent flat-plate surface with each model attached to the plate

and tested separately throughout the range of Mach number, Reynolds number, and boundary-layer thickness. The boundary-layer-thickness range was obtained by mounting the test plate at two locations in the tunnel, on a 10-foot-long support plate spanning the test section or on the test-section sidewall access door. When the instrumented test plate was mounted on either the support plate or the access door, the test-plate surface was flush with the support-assembly filler plate or test-section sidewall. The location of the test plate relative to the support assembly is shown in figure 1. Four inches from the leading edge of the support structure a 1-inch band of No. 60 carborundum grit was used to insure boundary-layer transition for all tests conducted on the flat plate mounted along the horizontal center plane of the tunnel.

The test plate was a 5- by 4-foot, 0.050-inch-thick stainless-steel plate insulated from the support structure by a 3/8-inch-thick hexagonal fiber-glass honeycomb. The locations of the 84 thermocouples on the test surface are shown in figure 2 and listed in table I. The construction of the filler plate was the same as the test plate in order to minimize upstream heat losses from the boundary layer. The filler plate was instrumented with nine thermocouples as shown in figure 2(b). A complete description of the flat-plate surface and support assembly is given in reference 2, although it should be noted that the instrumentation locations were rearranged for the current investigation.

All protuberance models were constructed of 0.050-inch stainless steel reinforced internally with a 0.25-inch fiber-glass plastic laminate. In order to minimize the internal conduction error in the heat-transfer measurements, the fiber glass was relieved in the vicinity of each thermocouple and the lower surfaces of the models adjacent to the flat-plate test surface were insulated from the flat-plate test surface with 0.125-inch fiber-glass plastic laminate. The test-plate assembly contained a pneumatic actuator assembly so that the model angle of attack relative to the plate longitudinal center line could be remotely varied to 0°, 5°, and 10°. Photographs of each model mounted on the flat-plate test surface at zero angle of attack are shown in figure 3, and the basic dimensions of the models are shown in figure 4. The locations of the instrumentation on the test surface relative to the model locations are shown in figure 2.

The model shown in figure 4(a), designated the equipment pod, consisted of a nose section having a tapered 15° half-angle wedge with 1-inch-radius circular shoulders faired to a sharp leading edge. The afterbody had a rectangular planform and the two top longitudinal edges were rounded to a 1-inch radius. The equipment pod was instrumented with 24 thermocouples, 11 on the nose cap, 11 on the afterbody, and 2 on the base. The thermocouple locations shown in figure 4(a) are applicable only for the tests conducted in the 6.0-inch boundary layer. For the 1.5-inch-boundary-layer tests, thermocouples 105, 107, 110, 115, 117, 120, and 123 were moved to their mirror-image location opposite the model vertical plane of symmetry.

The engine-fairing model (fig. 4(b)) consisted of a cone 36 inches in length and having a 15.82° included angle. An indentation representative of the "tie-down" notch utilized prior to booster lift-off was constructed of 0.050-inch stainless steel and installed in the aft part of the engine fairing.

The model was instrumented with 24 thermocouples, 13 on the conical surface, 8 on the indentation, and 3 on the model base.

The corrugated panel models, representative of a missile-skin designed to increase the skin structural rigidity, showing both the 30° wedge and conical-sections leading edges is shown in figure 4(c). The 34- by 24-inch corrugated panel consisted of 12 corrugations, each having a peak radius of 0.362 inch and a valley radius of 0.312 inch. The height of each corrugation was 1.00 inch and the distance between peaks was 2.0 inches. The corrugations were instrumented with 60 thermocouples as shown in figure 4(c). The panel was tested throughout the range of variables with the two leading edges, the 30° wedge leading edge having a base height of 2.00 inches and the conical-sections leading edge having a base height equal to the corrugation peaks. There was no instrumentation located on either of the leading edges.

The thermocouple instrumentation on the test surface and models consisted of 24-gage iron-constantan wire soldered with pure tin in a 0.030-inch-diameter hole through the stainless-steel skin. The thermocouple outputs were recorded on a multichannel sequential analog-to-digital conversion system described in reference 7. The thermocouple voltages were sampled every 1/2 second, converted into digital form, recorded on magnetic tape, and converted to punch-cards for machine calculation.

The tunnel free-stream static and stagnation pressures were measured on precision mercury manometers.

Method of Heat-Transfer Data Reduction

The heat-transfer coefficients were obtained from measurements of transient skin temperatures resulting from a stepwise increase in stagnation temperature as discussed in reference 7. The following equation was used:

$$h = \frac{wc \dfrac{dT_w}{dt}}{T_e - T_w}$$

This simplified form of the heat-balance equation is obtained by assuming constant temperature through the model skin, negligible lateral heat flow, negligible heat flow to the model interior, and no heat losses through radiation. This equation can be rearranged and written in the following form for complete machine calculation:

$$h = \frac{wc\left(T_{w,n} - T_{w,0}\right)}{\dfrac{T_e}{T_t}\displaystyle\int_0^n T_t \, dt - \int_0^n T_w \, dt}$$

The value of T_e/T_t is experimentally measured prior to the temperature step and is assumed to be invariant with time. The integrals are evaluated by use of the trapezoidal rule over increments of time of 1/2 second, as follows:

$$\int_0^n T\,dt = \Delta t\left(\frac{1}{2}T_0 + \frac{1}{2}T_n + T_1 + T_2 + \ldots T_{n-1}\right)$$

The heat-transfer coefficients corrected for lateral conduction where sufficient instrumentation permitted were determined from the following relation:

$$h_c = \frac{wc\left(T_{w,n} - T_{w,0}\right) - kb\int_0^n \left(\frac{\partial^2 T_w}{\partial x^2} + \frac{\partial^2 T_w}{\partial y^2}\right)dt}{\frac{T_e}{T_t}\int_0^n T_t\,dt - \int_0^n T_w\,dt}$$

The second partial derivatives of temperature with respect to surface lengths were evaluated from temperature measurements at adjacent thermocouples.

Accuracy

The accuracy of the temperature measurements including recorder resolution, thermocouple-wire calibration, and cold junctions is $\pm 2^{\circ}$ F; however, this error will occur in temperature level rather than temperature fluctuations. An estimation of the accuracy of heat-transfer measurements in the Langley Unitary Plan wind tunnel has been determined by the repeatability of data in the tests discussed in reference 8. The accuracy is dependent on the magnitude of the heat-transfer coefficient. For $h > 0.0150$ the accuracy is within 10 percent; for $0.001 < h < 0.015$, within 15 percent; and for $h < 0.001$, within 20 percent.

Preliminary tests were also conducted by utilizing a radiant-heat source to estimate heat losses by conduction from the flat-plate test surface to the fiber-glass-laminate honeycomb and the glue line and tape bonding the stainless steel to the honeycomb. The maximum heat loss amounted to approximately 23 percent of the radiant-heat input. The effect of this heat loss to the support material is minimized for the discussion herein by expressing the test results as a ratio of the heating rates measured with the protuberances installed to the heating rates measured on the flat plate alone (the undisturbed flat plate).

RESULTS AND DISCUSSION

A complete listing of the data obtained in this investigation is shown in tables II and III and an index of tables I, II, and III is presented on page 13.

Equipment Pod

The effect of angle of attack on the local flow pattern and heating distribution on the flat-plate surface in the vicinity of the equipment pod is

shown in figures 5 and 6 for $M = 3.51$ and $\delta = 6.0$ inches. The oil flow photographs were determined by the technique described in reference 9 in which the local flow direction adjacent to the flat-plate surface is made visible by coating the model surface with a fluorescent dye mixed in a high-viscosity oil that becomes luminescent when exposed to ultraviolet light. The plate area affected by the model-induced interference region at zero angle of attack as shown in figure 5 is initially visible in the immediate vicinity of the model nose and increases rapidly with increasing distance downstream. Increasing the model angle of attack resulted in a small increase in surface area affected by the interference region on the windward side of the model and a decrease on the leeward side.

The effect on the local flat-plate heating rates due to the presence of the equipment-pod model on the flat plate as shown in figure 6 is confined to within the interference region defined on the oil-flow photographs. (The ratios presented in figure 6 are the measured heating rates obtained with the model attached to the flat-plate surface divided by the measured heating rates for the undisturbed flat plate.) This effect, with the exception of the overexpanded region downstream of the model base, generally consists of an increase in the heating rates, the maximum value of 1.76 times the undisturbed-flat-plate values occurring in the vicinity of the model nose (fig. 6(a)). In general, this increase in heating decreases with increasing distance downstream as the area affected by the interference region increases. It is interesting to note that the data indicate that the maximum heating rates on the plate do not occur in the immediate vicinity of the model-plate corner as at $x = 32$ inches the maximum value is 3.5 inches from this corner. The heating rates in the wake of the model base immediately downstream of the model are very low but approach the undisturbed-plate values at the maximum aft instrumentation station. Increasing the model angle of attack to 10° resulted in a general increase in heating on the flat plate windward of the model and a decrease in heating leeward of the model. The maximum increase in h occurred in the region windward of the model afterbody.

The effect of angle of attack on the heating rates for the equipment-pod model is shown in figure 7 for $M = 3.51$, $R = 4.0 \times 10^6$, and $\delta = 6.0$ inches. The local measured heating rates on the model have been divided by the average heating rate obtained from the flat-plate thermocouples located in the region of the model center line during the flat-plate-alone tests. At zero angle of attack the maximum heating rates on the nose cap were considerably greater than the heating rates on the undisturbed flat plate, as would be expected. The maximum values are approximately twice the maximum measured values in the interference region on the flat plate shown in figure 6. The measured values obtained on the model afterbody are approximately the same in magnitude as those obtained on the undisturbed flat plate. Increasing the model angle of attack to 10° resulted in a general increase in heating (the maximum increase being approximately 100 percent) on the windward side of the model, a decrease on the leeward side, and a negligible effect on the center line of the flat top surface.

The effects of Mach number, Reynolds number, and boundary-layer thickness on the heating distribution obtained on the flat-plate and equipment-pod center line are shown in figure 8 for $\alpha = 0^\circ$. Due to separation being confined to

the immediate vicinity of the model nose, the effects shown in figure 8 will be predominantly on the model. Increasing the Mach number from 2.65 to 4.44 (fig. 8(a)) resulted in a general increase in heating ratios on the model nose cap of approximately 50 percent. The ratios on the rectangular-shaped afterbody were relatively unaffected throughout the Mach number range. Increasing the free-stream Reynolds number from 1.61×10^6 to 3.96×10^6 (fig. 8(b)) established no trend in the heating ratios greater than data accuracy. Decreasing the boundary-layer thickness from 6.0 inches to 1.5 inches at $M = 3.51$ (fig. 8(c)) resulted in an approximate 30-percent increase in the heating ratios on the model nose cap and an apparent 20-percent decrease in the relatively low afterbody heating rates. Although not presented in the figures, the variations in the heating ratios for the instrumentation located in the interference region on the flat plate throughout the full range of variables were very similar to the effects obtained on the model, but the magnitude of the effects was not as large on the flat plate.

Engine Fairing

The oil-flow photograph obtained with the engine-fairing model is shown in figure 9 for $\alpha = 0^\circ$, and the corresponding heating distribution on the flat-plate surface is presented in figure 10. For $\alpha = 0^\circ$, the flat-plate area affected by the engine fairing as determined by the oil-flow photographs is confined to within a wedge half-angle of approximately 12°, its vertex in the immediate vicinity of the model vertex. The maximum heating rate measured in the interference region was only approximately 23 percent greater than that measured on the undisturbed flat plate. Increasing the angle of attack to 10° resulted in a slight increase in the flat-plate heating rates on the windward side of the model, the maximum measured value being approximately 45 percent greater than the flat-plate-alone value.

The heating distribution obtained on the engine-fairing model is presented in figure 11 for angles of attack of 0° and 10° and $M = 3.51$. The measured heating rates obtained on the model are divided by the average value obtained on the flat plate in the region of the model center line during the flat-plate-alone tests. At $\alpha = 0^\circ$, the maximum measured heating rate upstream of the model indentation, occurring at the most forward model instrumentation station, was approximately 44 percent greater than the average flat-plate value. Within the indentation, the heating rates obtained on the forward, side, and bottom walls were less than the average rates obtained on the flat plate. On the aft wall, which is apparently exposed to a flow reattachment region, the measured heating rates were as high as 122 percent greater than the average flat-plate value. On the conical surface downstream of the indentation, the heating rates are considerably larger than those measured upstream of the indentation, the maximum value being approximately 75 percent greater than the average flat-plate value. These relatively high heating rates in the indentation wake are also indicated on the oil-flow photograph in figure 9 where this region of high shear has almost completely removed the oil from the model surface. Increasing the model angle of attack to 10° resulted in a general increase in heating on the windward surfaces and a decrease on the leeward surfaces of both the model and the model indentation.

The effects of Mach number, Reynolds number, and boundary-layer thickness on the heating distribution along the center line of the engine-fairing model and flat plate are presented in figure 12. Increasing the Mach number from 2.65 to 4.44 produced no discernible trend on the heating ratio greater than data accuracy upstream of the indentation. This is attributed in part to the instrumentation in this region being located in the low Mach number range of the boundary layer. Although not presented in the figures, a definite Mach number effect in this region of the model was obtained in the 1.5-inch boundary layer and, similar to the effect obtained on the equipment pod, it consisted of an increase in the heating ratio with increasing Mach number. Downstream of and including the aft face of the indentation there is an apparent increase in the heating ratios with increasing Mach number. There was no apparent effect on the heating distribution on the engine fairing as a result of increasing the Reynolds number through a range from 1.59×10^6 to 3.95×10^6 (fig. 12(b)). The effect of decreasing the boundary-layer thickness from 6.0 inches to 1.5 inches (fig. 12(c)) resulted in an apparent increase in the heating ratios on the portion of the cone upstream of the indentation; however, an apparent decrease was obtained aft of the indentation.

Corrugated-Panel Models

The heating distribution and oil-flow patterns obtained on the corrugated panel with a 30° wedge leading edge are shown in figure 13 for $M = 3.51$ and angles of attack of 0° and 10°. Since most of the instrumentation on the flat plate is covered by the model, both the flat-plate and model heating rates are included on the same figure. At zero angle of attack (fig. 13(a)) the comparatively bluff 30° wedge leading edge produces flow separation upstream of the model, resulting in heat-transfer rates in this region being approximately 38 percent greater than the rates on the undisturbed flat plate. In general, the heating rates obtained on the corrugated panel were less than those obtained on the undisturbed flat plate except for the flow-reattachment region downstream of the leading edge where the maximum value was approximately 17 percent greater than the flat-plate values. The heating distribution perpendicular to the corrugations and downstream of the reattachment region consisted of minimum values occurring in the corrugation valley and maximum values representing an increase of roughly 30 percent occurring on the corrugation peaks. Increasing the angle of attack of the corrugated panel to 10° (fig. 13(b)) had a negligible effect on the panel heating distribution.

The effects of Mach number, Reynolds number, and boundary-layer thickness on the heat distribution on the flat plate center line upstream of the model and on the model corrugation peaks are shown in figure 14 for the 30° wedge leading edge. Throughout the full range of these parameters, there was no significant effect on the distribution of h/h_o greater than data accuracy.

Replacing the 30° wedge leading edge with individual conical sections (fig. 15) reduced the extent of the separation on the flat plate upstream of the panel and also reduced the magnitude of the heating rates in this region. In general, the heating distributions over the corrugated panel throughout the test range of Mach number and Reynolds number (figs. 16(a) and (b)) are very

similar to the results obtained on the 30° wedge leading-edge configuration. Although the extent of the low-pressure separation region aft of the conical-sections leading edge is much less than aft of the 30° wedge, the maximum heating rates obtained in the following reattachment region on the corrugation peaks for both configurations in the 6.0-inch boundary layer are approximately of the same magnitude. There was apparently a more significant effect of boundary-layer thickness on the heating rates aft of the conical-sections leading edge (fig. 16(c)) than on those aft of the wedge leading edge (fig. 14(c)); this effect consists of an increase in the heating rates with a decrease in boundary-layer thickness for the conical-sections leading edge. The maximum increase in heating rate with decreasing boundary-layer thickness was approximately 50 percent and occurred immediately downstream of the leading edge; however, this effect decreased with increasing distance downstream.

CONCLUDING REMARKS

Heat-transfer measurements were obtained on a flat plate and attached protuberances through a range of Mach number, Reynolds number, and angle of attack in boundary-layer thicknesses of 1.5 and 6.0 inches. The models consisted of two specific protuberances, an engine fairing and an equipment pod, and a generalized corrugated panel used with two leading edges.

The more streamlined protuberances, as compared with bluff protuberances, resulted in a smaller flat-plate surface area affected by flow separation and, in general, resulted in lower heating rates both on the flat plate and the protuberance models.

Increasing the angle of attack of the specific protuberance model on the flat-plate surface resulted in increased heating rates both on the windward side of the model and on the flat plate windward of the model and in decreased heating rates on the leeward side of the model. Increasing Mach number resulted in increasing the heating ratio - the ratio of the local measured heating rate to the local undisturbed-plate heating rate - on both the models and the flat plate, the increase being more significant on the model at the small boundary-layer thickness. The effect of Reynolds number on the heating ratio was, in general, very small and within data accuracy. As expected, decreasing boundary-layer thickness resulted in increasing the heating ratio both on the model and in the flat-plate interference region and also amplified the effect of Mach number.

Heating rates obtained on a corrugated panel (the corrugations being parallel and pitched at 10° to the free-stream velocity vector) immersed in the boundary layer were no greater than the rates obtained on the undisturbed flat plate downstream of the panel leading-edge effects. Heating rates obtained in the corrugated-panel leading-edge region were generally larger and as much as two times those obtained on undisturbed flat plate.

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National Aeronautics and Space Administration,
Langley Station, Hampton, Va., April 13, 1964.

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INDEX TO TABULAR DATA

Page

TABLE I.- LOCATION OF THERMOCOUPLES AND RELATIVE POSITION OF PROJECTIONS 14

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES 16
1. Flat Plate Alone 16
2. Equipment Pod; $\alpha = 0^{\circ}$ 25
3. Equipment Pod; $\alpha = 10^{\circ}$ 34
4. Engine Fairing; $\alpha = 0^{\circ}$ 43
5. Engine Fairing; $\alpha = 5^{\circ}$ 52
6. Engine Fairing; $\alpha = 10^{\circ}$ 61
7. Corrugated Panel With 30° Wedge Leading Edge; $\alpha = 0^{\circ}$ 70
8. Corrugated Panel With 30° Wedge Leading Edge; $\alpha = 10^{\circ}$ 79
9. Corrugated Panel With Conical-Sections Leading Edge; $\alpha = 0^{\circ}$ 88
10. Corrugated Panel With Conical-Sections Leading Edge; $\alpha = 5^{\circ}$ 97
11. Corrugated Panel With Conical-Sections Leading Edge; $\alpha = 10^{\circ}$ 106

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES 114
1. Flat Plate Alone 114
2. Equipment Pod; $\alpha = 0^{\circ}$ 123
3. Equipment Pod; $\alpha = 10^{\circ}$ 132
4. Engine Fairing; $\alpha = 0^{\circ}$ 141
5. Engine Fairing; $\alpha = 5^{\circ}$ 150
6. Engine Fairing; $\alpha = 10^{\circ}$ 159
7. Corrugated Panel With 30° Wedge Leading Edge; $\alpha = 0^{\circ}$ 168
8. Corrugated Panel With 30° Wedge Leading Edge; $\alpha = 10^{\circ}$ 177
9. Corrugated Panel With Conical-Sections Leading Edge; $\alpha = 0^{\circ}$ 186
10. Corrugated Panel With Conical-Sections Leading Edge; $\alpha = 5^{\circ}$ 195
11. Corrugated Panel With Conical-Sections Leading Edge; $\alpha = 10^{\circ}$ 204

TABLE I.- LOCATION OF THERMOCOUPLES AND RELATIVE POSITION OF PROJECTIONS

(a) Thermocouple locations on flat plate and protuberances as measured from protuberance origin

Thermocouple	x, in.	y, in.	Thermocouple	x, in.	y, in.
Flat plate and filler plate					
1	2.0	-12.0	61	14.0	8.0
2	2.0	.0	62	14.0	12.0
3	2.0	12.0	63	20.0	7.0
4	8.0	.0	64	20.0	8.0
5	9.0	.0	65	20.0	10.0
6	10.0	.0	66	20.0	12.0
7	11.0	.0	67	28.0	-7.0
8	11.5	.0	68	26.0	.0
9	12.0	1.0	69	30.0	8.0
10	12.0	3.0	70	36.0	.0
11	12.0	5.0	71	42.0	.0
12	14.0	4.0	72	42.0	12.0
13	14.0	1.0	73	14.0	2.0
14	14.0	.0	74	16.0	.0
15	14.0	-1.0	75	18.0	.0
16	14.0	-2.0	76	20.0	.0
17	13.0	-2.0	77	20.0	-1.0
18	12.0	-3.0	78	20.0	-2.0
19	14.0	-3.0	79	32.0	-4.0
20	14.0	-4.0	80	32.0	-5.0
21	16.0	-4.0	81	32.0	4.0
22	14.0	-6.0	82	32.0	6.0
23	14.0	-8.0	83	42.0	-5.0
24	14.0	-12.0	84	42.0	-6.0
25	16.0	-8.0	85	6.0	.0
26	18.0	-8.0	86	6.0	5.0
27	16.0	-2.0	87	6.0	10.0
28	18.0	-2.0	88	12.0	.0
29	20.0	-3.0	89	12.0	5.0
30	18.0	-4.0	90	12.0	10.0
31	20.0	-4.0	91	18.0	.0
32	20.0	-5.0	92	30.0	.0
33	20.0	-6.0	93	42.0	.0
34	20.0	-7.0			
35	20.0	-8.0			
36	20.0	-12.0			
37	14.0	5.0			
38	14.0	6.0			
39	32.0	8.0			
40	32.0	10.0			
41	32.0	12.0			
42	50.0	-8.0			
43	50.0	-5.0			
44	50.0	.0			
45	50.0	6.0			
46	58.0	.0			
47	58.0	6.0			
48	58.0	12.0			
49	32.0	-7.0			
50	32.0	-8.0			
51	32.0	-10.0			
52	32.0	-12.0			
53	42.0	-7.0			
54	42.0	-8.0			
55	42.0	-9.0			
56	42.0	-10.0			
57	42.0	-12.0			
58	58.0	-5.0			
59	58.0	-8.0			
60	58.0	-12.0			

Thermocouple	x, in.	y, in.	z, in.
Equipment pod			
101	1.8	0.0	0.5
102	5.8	-2.5	1.3
103	9.8	.0	2.6
104	12.8	-5.8	1.9
* 105	12.8	3.0	3.4
106	16.3	-6.5	1.9
* 107	16.3	3.0	3.9
108	23.5	.0	3.9
109	30.8	-6.5	1.9
* 110	30.8	3.0	3.9
111	35.8	4.8	2.0
112	35.8	-4.8	2.0
113	5.8	.0	1.5
114	5.8	2.5	1.3
* 115	9.8	4.7	1.9
116	12.8	.0	3.4
* 117	12.8	5.5	3.1
118	12.8	5.8	1.9
119	16.3	.0	3.9
* 120	16.3	6.2	3.6
121	16.3	6.5	1.9
122	30.8	.0	3.9
* 123	30.8	6.2	3.6
124	30.8	6.5	1.9
Engine fairing			
201	2.0	0.0	0.3
202	6.0	.0	.8
203	10.0	.9	.9
204	14.0	.0	1.8
205	18.0	2.1	1.0
206	22.9	.0	2.0
207	27.3	1.9	1.8
208	27.3	-1.9	1.8
209	35.0	4.2	2.0
210	36.0	3.0	2.0
211	36.0	.0	2.0
212	36.0	-3.0	2.0
213	10.0	.0	1.3
214	10.0	-.9	.9
215	18.0	.0	2.4
216	18.0	-2.1	1.0
217	23.8	.0	1.5
218	27.2	.0	.6
219	30.2	.0	2.0
220	30.5	.0	2.9
221	30.5	1.0	2.9
222	33.0	.0	4.3
223	35.0	.0	4.6
224	35.0	-4.2	2.0

Thermocouple	x, in.	y, in.	z, in.
Corrugated panels			
301	1.0	1.5	1.1
302	1.0	1.0	1.6
303	1.0	.5	1.1
304	1.0	.0	.6
305	2.0	1.5	1.1
306	2.0	1.0	1.6
307	2.0	.5	1.1
308	2.0	.0	.6
309	3.0	1.5	1.1
310	3.0	1.0	1.6
311	3.0	.5	1.1
312	3.0	.0	.6
313	4.0	1.5	1.1
314	4.0	1.0	1.6
315	4.0	.5	1.1
316	4.0	.0	.6
317	5.0	1.5	1.1
318	5.0	1.0	1.6
319	5.0	.5	1.1
320	5.0	.0	.6
321	6.0	1.5	1.1
322	6.0	1.0	1.6
323	6.0	.5	1.1
324	6.0	.0	.6
325	8.0	1.5	1.1
326	8.0	1.0	1.6
327	8.0	.5	1.1
328	8.0	.0	.6
329	10.0	1.5	1.1
330	10.0	1.0	1.6
331	10.0	.5	1.1
332	10.0	.0	.6
333	12.0	1.5	1.1
334	12.0	1.0	1.6
335	12.0	.5	1.1
336	12.0	.0	.6
337	14.0	1.5	1.1
338	14.0	1.0	1.6
339	14.0	.5	1.1
340	14.0	.0	.6
341	18.0	1.5	1.1
342	18.0	1.0	1.6
343	18.0	.5	1.1
344	18.0	.0	.6
345	22.0	1.5	1.1
346	22.0	1.0	1.6
347	22.0	.5	1.1
348	22.0	.0	.6
349	26.0	1.5	1.1
350	26.0	1.0	1.6
351	26.0	.5	1.1
352	26.0	.0	.6
353	30.0	1.5	1.1
354	30.0	1.0	1.6
355	30.0	.5	1.1
356	30.0	.0	.6
357	4.0	-6.0	.6
358	8.0	-6.0	.6
359	12.0	-6.0	.6
360	16.0	-6.0	.6

*For δ = 6.00 inches, y locations negative.

TABLE I.- LOCATION OF THERMOCOUPLES AND RELATIVE POSITION

OF PROJECTIONS - Concluded

(b) Location of model origins relative to leading edge of test-plate origin; $\alpha = 0^{\circ}$

Model	x, in.	y, in.
Equipment pod	12.2	0.0
Engine fairing	11.7	0
Corrugated panel with 30° wedge leading edge	15.0	0
Corrugated panel with conical-sections leading edge	15.0	0

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES

1. Flat Plate Alone

(a) M = 2.65; R = 3.93×10^6; $T_t = 715^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h_o (b)	N_{St}	$h_{o,c}$ (b)	$N_{St,c}$
1	2.0	-12.0		.94459	585.1	.00551	.000784		
2	2.0	.0		.93960	583.5	.00579	.000823		
3	2.0	12.0		.94071	584.5	.00579	.000823		
4	8.0	.0		.93794	582.5	.00573	.000815		
5	9.0	.0		.93849	582.5	.00578	.000822	.00579	.000823
6	10.0	.0		.93738	581.8	.00578	.000822	.00575	.000818
7	11.0	.0		.93849	582.5	.00578	.000822	.00581	.000826
8	11.5	.0		.93849	582.5	.00566	.000805		
9	12.0	1.0		.93794	582.1	.00581	.000826	.00580	.000825
10	12.0	3.0		.93794	583.1	.00589	.000838	.00590	.000839
11	12.0	5.0		.93738	582.5	.00586	.000833		
12	14.0	4.0		.93794	582.5	.00581	.000826	.00581	.000826
13	14.0	1.0		.93960	583.1	.00577	.000821	.00579	.000823
14	14.0	.0		.93849	581.8	.00565	.000803	.00555	.000789
15	14.0	-1.0		.94348	584.8	.00562	.000799	.00576	.000819
16	14.0	-2.0		.93849	581.5	.00556	.000791	.00543	.000772
17	13.0	-2.0		.94071	583.5	.00551	.000784		
18	12.0	-3.0		.94071	582.8	.00561	.000798		
19	14.0	-3.0		.93904	582.1	.00565	.000803	.00564	.000802
20	14.0	-4.0		.94071	583.1	.00563	.000801	.00565	.000803
21	16.0	-4.0		.94182	583.8	.00551	.000784	.00553	.000786
22	14.0	-6.0		.93960	583.1	.00577	.000821	.00577	.000821
23	14.0	-8.0		.94015	582.8	.00550	.000782	.00549	.000781
24	14.0	-12.0		.94348	584.1	.00551	.000784		
25	16.0	-8.0		.94071	582.8	.00559	.000795	.00559	.000795
26	18.0	-8.0		.93960	582.1	.00538	.000765	.00538	.000765
27	16.0	-2.0		.93849	582.1	.00559	.000795	.00556	.000791
28	18.0	-2.0		.94514	586.1	.00554	.000788	.00557	.000792
29	20.0	-3.0		.93794	581.1	.00543	.000772	.00540	.000768
30	18.0	-4.0		.93904	581.8	.00530	.000754	.00527	.000749
31	20.0	-4.0		.93794	581.5	.00545	.000775	.00545	.000775
32	20.0	-5.0		.93904	581.8	.00540	.000768	.00539	.000767
33	20.0	-6.0		.94015	582.5	.00544	.000774	.00546	.000776
34	20.0	-7.0		.94015	582.1	.00534	.000759	.00535	.000761
35	20.0	-8.0		.93849	581.5	.00543	.000772		
36	20.0	-12.0		.94015	582.5	.00551	.000784		
37	14.0	5.0		.93738	582.5	.00584	.000831	.00583	.000829
38	14.0	6.0		.93683	582.8	.00587	.000835	.00588	.000836
39	32.0	8.0		.93794	582.1	.00554	.000788	.00554	.000788
40	32.0	10.0		.93738	582.1	.00572	.000813	.00573	.000815
41	32.0	12.0		.93627	581.1	.00557	.000792		
42	50.0	-8.0		.94015	582.8	.00553	.000786		
43	50.0	-5.0		.94015	582.8	.00559	.000795		
44	50.0	.0		.93849	581.8	.00544	.000774		
45	50.0	6.0		.93960	583.5	.00559	.000795		
46	58.0	.0		.94071	583.8	.00561	.000798		
47	58.0	6.0		.93794	583.1	.00586	.000833		
48	58.0	12.0		.93794	583.1	.00581	.000826		
49	32.0	-7.0		.93794	580.8	.00535	.000761	.00531	.000755
50	32.0	-8.0		.93960	581.8	.00539	.000767	.00540	.000768
51	32.0	-10.0		.94015	581.8	.00540	.000768	.00540	.000768
52	32.0	-12.0		.93960	581.8	.00542	.000771		
53	42.0	-7.0		.93904	581.1	.00530	.000754	.00527	.000749
54	42.0	-8.0		.94071	581.8	.00513	.000730	.00516	.000734
55	42.0	-9.0		.93960	585.5	.00518	.000737		
57	42.0	-12.0		.94403	584.1	.00511	.000727		
58	58.0	-5.0		.94015	583.1	.00566	.000805		
60	58.0	-12.0		.94237	584.1	.00545	.000775		
61	14.0	8.0		.93572	582.1	.00591	.000840	.00591	.000840
62	14.0	12.0		.93738	583.1	.00590	.000839		
63	20.0	7.0		.93517	580.8	.00558	.000794		
64	20.0	8.0		.94071	584.5	.00557	.000792	.00564	.000802
65	20.0	10.0		.93683	581.8	.00556	.000791	.00553	.000786
66	20.0	12.0		.94403	585.5	.00542	.000771		
67	28.0	-7.0		.93904	581.8	.00537	.000764		
68	26.0	.0		.93794	580.8	.00520	.000739		
69	30.0	8.0		.94015	583.5	.00550	.000782		
70	36.0	.0		.93738	580.5	.00519	.000738		
71	42.0	.0		.93461	578.8	.00521	.000741		
72	42.0	12.0		.94348	585.1	.00527	.000749		
73	14.0	2.0		.93849	583.1	.00582	.000828	.00583	.000829
74	16.0	.0		.93849	582.8	.00560	.000796	.00561	.000798
75	18.0	.0		.93683	581.1	.00552	.000785	.00551	.000784
76	20.0	.0		.93683	581.1	.00551	.000784		
77	20.0	-1.0		.93849	582.1	.00564	.000802	.00564	.000802
78	20.0	-2.0		.94071	583.5	.00552	.000785	.00559	.000795
79	32.0	-4.0		.93794	580.8	.00527	.000749		
80	32.0	-5.0		.94348	584.8	.00541	.000769	.00550	.000782
81	32.0	4.0		.94182	583.8	.00540	.000768		
82	32.0	6.0		.93627	580.8	.00549	.000781	.00546	.000776
83	42.0	-5.0		.93849	580.5	.00512	.000728		
84	42.0	-6.0		.94015	581.8	.00514	.000731	.00519	.000738
85	6.0	.0		.94292	588.5	.00663	.000943		
86	6.0	5.0		.94126	588.5	.00689	.000980		
87	6.0	10.0		.94292	589.5	.00676	.000961		
88	12.0	.0		.94071	585.8	.00614	.000873		
89	12.0	5.0		.94126	586.8	.00627	.000892		
90	12.0	10.0		.94015	591.1	.00639	.000909		
91	18.0	.0		.94292	585.8	.00579	.000823		
92	30.0	.0		.94126	585.5	.00593	.000843		
93	42.0	.0		.94126	585.1	.00535	.000761		

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

1. Flat Plate Alone - Continued

(b) M = 2.65; R = 2.57×10^6; $T_t = 705^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h_o (b)	N_{St}	$h_{o,c}$ (b)	$N_{St,c}$
1	2.0	-12.0		.95070	573.1	.00387	.000841		
2	2.0	.0		.94616	571.8	.00388	.000844		
3	2.0	12.0		.94730	572.5	.00385	.000837		
4	8.0	.0		.94333	569.8	.00392	.000852		
5	9.0	.0		.94390	570.1	.00392	.000852	.00394	.000857
6	10.0	.0		.94333	569.5	.00391	.000850	.00388	.000844
7	11.0	.0		.94390	570.1	.00392	.000852	.00397	.000863
8	11.5	.0		.94276	569.5	.00392	.000852		
9	12.0	1.0		.94390	570.1	.00384	.000835	.00384	.000835
10	12.0	3.0		.94503	571.1	.00397	.000863	.00398	.000865
11	12.0	5.0		.94390	570.5	.00395	.000859		
12	14.0	4.0		.94390	570.1	.00399	.000867	.00398	.000865
13	14.0	1.0		.94730	571.8	.00380	.000826	.00388	.000844
14	14.0	.0		.94390	569.8	.00370	.000804	.00364	.000791
15	14.0	-1.0		.94446	569.8	.00381	.000828	.00382	.000830
16	14.0	-2.0		.94390	569.5	.00372	.000809	.00368	.000800
17	13.0	-2.0		.94560	570.5	.00377	.000820		
18	12.0	-3.0		.94560	570.1	.00379	.000824		
19	14.0	-3.0		.94446	570.1	.00377	.000820	.00376	.000817
20	14.0	-4.0		.94673	571.5	.00376	.000817	.00379	.000824
21	16.0	-4.0		.94786	571.5	.00373	.000811	.00375	.000815
22	14.0	-6.0		.94503	570.5	.00381	.000828	.00381	.000828
23	14.0	-8.0		.94560	570.1	.00376	.000817	.00376	.000817
24	14.0	-12.0		.94673	570.8	.00368	.000800		
25	16.0	-8.0		.94673	570.8	.00373	.000811	.00374	.000813
26	18.0	-8.0		.94560	569.8	.00360	.000783	.00360	.000783
27	16.0	-2.0		.94446	569.8	.00381	.000828	.00378	.000822
28	18.0	-2.0		.95013	573.5	.00375	.000815	.00378	.000822
29	20.0	-3.0		.94276	568.5	.00361	.000785	.00357	.000776
30	18.0	-4.0		.94503	569.8	.00360	.000783	.00358	.000778
31	20.0	-4.0		.94446	569.5	.00356	.000774	.00358	.000778
32	20.0	-5.0		.94446	569.5	.00373	.000811	.00371	.000807
33	20.0	-6.0		.94616	570.5	.00368	.000800	.00372	.000809
34	20.0	-7.0		.94560	569.8	.00358	.000778	.00359	.000780
35	20.0	-8.0		.94390	568.8	.00356	.000774		
36	20.0	-12.0		.94616	570.5	.00366	.000796		
37	14.0	5.0		.94446	570.8	.00393	.000854	.00395	.000859
38	14.0	6.0		.94276	570.1	.00405	.000880	.00404	.000878
39	32.0	8.0		.94220	569.1	.00381	.000828	.00381	.000828
40	32.0	10.0		.94163	568.8	.00385	.000837	.00385	.000837
41	32.0	12.0		.94220	568.8	.00376	.000817		
42	50.0	-8.0		.94616	570.5	.00378	.000822		
43	50.0	-5.0		.94730	571.5	.00373	.000811		
44	50.0	.0		.94503	570.5	.00370	.000804		
45	50.0	6.0		.95126	570.1	.00364	.000791		
46	58.0	.0		.94730	571.8	.00380	.000826		
47	58.0	6.0		.94503	571.5	.00409	.000889		
48	58.0	12.0		.94333	570.5	.00393	.000854		
49	32.0	-7.0		.94503	569.5	.00369	.000802	.00368	.000800
50	32.0	-8.0		.94616	570.1	.00355	.000772	.00357	.000776
51	32.0	-10.0		.94560	569.8	.00363	.000789	.00363	.000789
52	32.0	-12.0		.94446	569.5	.00370	.000804		
53	42.0	-7.0		.94616	570.1	.00353	.000767	.00355	.000772
54	42.0	-8.0		.94616	569.8	.00352	.000765	.00352	.000765
55	42.0	-9.0		.94560	569.5	.00353	.000767		
57	42.0	-12.0		.94560	569.5	.00355	.000772		
58	58.0	-5.0		.94673	571.8	.00383	.000833		
60	58.0	-12.0		.94786	571.8	.00379	.000824		
61	14.0	8.0		.94333	570.8	.00401	.000872	.00401	.000872
62	14.0	12.0		.94220	570.1	.00396	.000861		
63	20.0	7.0		.94163	569.1	.00386	.000839		
64	20.0	8.0		.94106	568.8	.00389	.000846	.00387	.000841
65	20.0	10.0		.94220	569.5	.00381	.000828	.00381	.000828
66	20.0	12.0		.94220	569.1	.00367	.000798		
67	28.0	-7.0		.94333	568.8	.00357	.000776		
68	26.0	.0		.94333	568.8	.00354	.000770		
69	30.0	8.0		.94276	569.5	.00372	.000809		
70	36.0	.0		.94276	568.5	.00356	.000774		
71	42.0	.0		.94163	567.8	.00357	.000776		
72	42.0	12.0		.94220	568.8	.00360	.000783		
73	14.0	2.0		.94333	570.5	.00391	.000850	.00390	.000848
74	16.0	.0		.94446	570.5	.00380	.000826	.00381	.000828
75	18.0	.0		.94276	569.1	.00380	.000826	.00380	.000826
76	20.0	.0		.94163	568.5	.00364	.000791		
77	20.0	-1.0		.94390	569.8	.00376	.000817	.00375	.000815
78	20.0	-2.0		.94616	571.5	.00377	.000820	.00388	.000844
79	32.0	-4.0		.94390	569.1	.00355	.000772		
80	32.0	-5.0		.94276	568.8	.00374	.000813	.00373	.000811
81	32.0	4.0		.94333	569.5	.00372	.000809		
82	32.0	6.0		.94333	569.5	.00362	.000787	.00362	.000787
83	42.0	-5.0		.94503	569.1	.00345	.000750		
84	42.0	-6.0		.94560	569.8	.00354	.000770	.00355	.000772
85	6.0	.0		.94956	576.5	.00455	.000989		
86	6.0	5.0		.94843	577.1	.00488	.001061		
87	6.0	10.0		.95013	577.8	.00469	.001020		
88	12.0	.0		.94786	574.5	.00421	.000915		
89	12.0	5.0		.94900	575.8	.00441	.000959		
90	12.0	10.0		.94673	574.8	.00438	.000952		
91	18.0	.0		.94900	574.1	.00393	.000854		
92	30.0	.0		.94673	572.8	.00395	.000859		
93	42.0	.0		.94730	571.5	.00355	.000772		

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

1. Flat Plate Alone - Continued

(c) M = 2.65; R = 1.31×10^6; $T_t = 700^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h_o (b)	N_{St}	$h_{o,c}$ (b)	$N_{St,c}$
1	2.0	-12.0		.96127	572.8	.00215	.000924		
2	2.0	.0		.95671	569.1	.00216	.000928		
3	2.0	12.0		.95785	569.8	.00215	.000924		
4	8.0	.0		.95215	566.5	.00222	.000954		
5	9.0	.0		.95329	566.8	.00214	.000920	.00217	.000935
6	10.0	.0		.95215	566.1	.00228	.000980	.00233	.001001
7	11.0	.0		.95272	566.8	.00218	.000937	.00223	.000958
8	11.5	.0		.95158	567.8	.00219	.000941		
9	12.0	1.0		.95272	568.1	.00218	.000937	.00218	.000937
10	12.0	3.0		.95329	567.1	.00232	.000997	.00233	.001001
11	12.0	5.0		.95158	566.1	.00218	.000937		
12	14.0	4.0		.95215	566.1	.00216	.000928	.00216	.000928
13	14.0	1.0		.95557	569.8	.00217	.000933	.00225	.000967
14	14.0	.0		.95215	566.1	.00210	.000902	.00205	.000881
15	14.0	-1.0		.95272	566.1	.00214	.000920	.00215	.000924
16	14.0	-2.0		.95272	565.8	.00252	.001083	.00249	.001070
17	13.0	-2.0		.95386	567.1	.00205	.000881		
18	12.0	-3.0		.95386	566.8	.00209	.000898		
19	14.0	-3.0		.95272	566.5	.00206	.000885	.00205	.000881
20	14.0	-4.0		.95557	567.8	.00210	.000902	.00213	.000915
21	16.0	-4.0		.95614	568.1	.00210	.000902	.00212	.000911
22	14.0	-6.0		.95329	566.8	.00209	.000898	.00209	.000898
23	14.0	-8.0		.95386	566.5	.00202	.000868	.00202	.000868
24	14.0	-12.0		.95557	567.8	.00207	.000890		
25	16.0	-8.0		.95500	567.5	.00204	.000877	.00205	.000881
26	18.0	-8.0		.95443	566.8	.00207	.000890	.00207	.000890
27	16.0	-2.0		.95329	566.5	.00197	.000847	.00195	.000838
28	18.0	-2.0		.96013	572.5	.00216	.000928	.00219	.000941
29	20.0	-3.0		.95215	565.5	.00202	.000868	.00198	.000851
30	18.0	-4.0		.95386	566.8	.00205	.000881	.00203	.000872
31	20.0	-4.0		.95329	566.5	.00208	.000894	.00210	.000902
32	20.0	-5.0		.95329	566.5	.00205	.000881	.00203	.000872
33	20.0	-6.0		.95500	567.1	.00198	.000851	.00201	.000864
34	20.0	-7.0		.95500	566.8	.00191	.000821	.00192	.000825
35	20.0	-8.0		.95272	565.8	.00204	.000877		
36	20.0	-12.0		.95500	567.1	.00210	.000902		
37	14.0	5.0		.95215	566.5	.00217	.000933	.00218	.000937
38	14.0	6.0		.95101	565.8	.00219	.000941	.00217	.000933
39	32.0	8.0		.95101	565.5	.00212	.000911	.00212	.000911
40	32.0	10.0		.95044	565.5	.00216	.000928	.00216	.000928
41	32.0	12.0		.95101	565.5	.00218	.000937		
42	50.0	-8.0		.95386	566.5	.00210	.000902		
43	50.0	-5.0		.95500	567.5	.00208	.000894		
44	50.0	.0		.95386	566.8	.00215	.000924		
45	50.0	6.0		.95215	566.1	.00214	.000920		
46	58.0	.0		.95614	567.8	.00212	.000911		
47	58.0	6.0		.95272	567.1	.00224	.000963		
48	58.0	12.0		.95215	566.5	.00215	.000924		
49	32.0	-7.0		.95329	566.1	.00191	.000821	.00190	.000816
50	32.0	-8.0		.95500	567.1	.00206	.000885	.00208	.000894
51	32.0	-10.0		.95443	566.8	.00204	.000877	.00204	.000877
52	32.0	-12.0		.95386	566.5	.00201	.000864		
53	42.0	-7.0		.95443	566.8	.00204	.000877	.00204	.000877
54	42.0	-8.0		.95500	566.8	.00190	.000816	.00190	.000816
55	42.0	-9.0		.95443	566.8	.00204	.000877		
57	42.0	-12.0		.95500	567.1	.00204	.000877		
58	58.0	-5.0		.95500	567.8	.00215	.000924		
60	58.0	-12.0		.95614	568.1	.00207	.000890		
61	14.0	8.0		.95215	566.8	.00231	.000993	.00231	.000993
62	14.0	12.0		.95101	566.5	.00225	.000967		
63	20.0	7.0		.95044	565.5	.00212	.000911		
64	20.0	8.0		.94987	564.8	.00217	.000933	.00215	.000924
65	20.0	10.0		.95158	567.8	.00219	.000941	.00220	.000945
66	20.0	12.0		.95158	565.8	.00204	.000877		
67	28.0	-7.0		.95215	565.5	.00201	.000864		
68	26.0	.0		.95272	565.8	.00191	.000821		
69	30.0	8.0		.95329	567.1	.00210	.000902		
70	36.0	.0		.95272	565.8	.00199	.000855		
71	42.0	.0		.95044	564.5	.00203	.000872		
72	42.0	12.0		.95158	565.8	.00207	.000890		
73	14.0	2.0		.95215	568.1	.00219	.000941	.00217	.000933
74	16.0	.0		.95272	566.8	.00210	.000902	.00211	.000907
75	18.0	.0		.95158	565.5	.00211	.000907	.00211	.000907
76	20.0	.0		.95101	565.1	.00211	.000907		
77	20.0	-1.0		.95329	566.5	.00208	.000894	.00206	.000885
78	20.0	-2.0		.95728	568.8	.00210	.000902	.00221	.000950
79	32.0	-4.0		.95329	566.1	.00196	.000842		
80	32.0	-5.0		.95215	565.8	.00205	.000881	.00204	.000877
81	32.0	4.0		.95272	566.1	.00203	.000872		
82	32.0	6.0		.95215	566.1	.00208	.000894	.00208	.000894
83	42.0	-5.0		.95386	566.5	.00190	.000816		
84	42.0	-6.0		.95443	566.8	.00204	.000877	.00205	.000881
85	6.0	.0		.95443	570.8	.00289	.001242		
86	6.0	5.0		.95272	571.1	.00321	.001379		
87	6.0	10.0		.95329	571.8	.00315	.001354		
88	12.0	.0		.95443	569.5	.00253	.001087		
89	12.0	5.0		.95614	571.1	.00272	.001169		
90	12.0	10.0		.95272	570.1	.00284	.001220		
91	18.0	.0		.95614	569.5	.00237	.001018		
92	30.0	.0		.95443	568.5	.00226	.000971		
93	42.0	.0		.95443	567.5	.00211	.000907		

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

1. Flat Plate Alone - Continued

(d) M = 3.51; R = 4.00×10^6; T_t = 708° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h_o (b)	N_{St}	$h_{o,c}$ (b)	$N_{St,c}$
1	2.0	-12.0		.95047	577.1	.00314	.000610		
2	2.0	.0		.94428	571.5	.00326	.000633		
3	2.0	12.0		.94428	570.8	.00319	.000620		
4	8.0	.0		.93808	567.8	.00327	.000635		
5	9.0	.0		.93865	568.1	.00328	.000637	.00331	.000643
6	10.0	.0		.93696	567.5	.00319	.000620	.00316	.000614
7	11.0	.0		.93808	567.8	.00329	.000639	.00332	.000645
8	11.5	.0		.93752	567.8	.00332	.000645		
9	12.0	1.0		.93752	567.8	.00321	.000624	.00321	.000624
10	12.0	3.0		.93865	568.5	.00331	.000643	.00332	.000645
11	12.0	5.0		.93752	567.5	.00329	.000639		
12	14.0	4.0		.93752	567.5	.00329	.000639	.00329	.000639
13	14.0	1.0		.93977	568.5	.00314	.000610	.00319	.000620
14	14.0	.0		.93752	569.8	.00320	.000622	.00314	.000610
15	14.0	-1.0		.93921	568.5	.00329	.000639	.00334	.000649
16	14.0	-2.0		.93808	567.1	.00319	.000620	.00314	.000610
17	13.0	-2.0		.94034	568.5	.00309	.000600		
18	12.0	-3.0		.94034	568.5	.00315	.000612		
19	14.0	-3.0		.93921	570.8	.00320	.000622	.00320	.000622
20	14.0	-4.0		.94090	569.1	.00321	.000624	.00323	.000628
21	16.0	-4.0		.94315	570.1	.00305	.000593	.00307	.000597
22	14.0	-6.0		.94034	568.8	.00325	.000632	.00325	.000632
23	14.0	-8.0		.94090	568.8	.00307	.000597	.00307	.000597
24	14.0	-12.0		.94484	573.8	.00316	.000614		
25	16.0	-8.0		.94202	569.5	.00318	.000618	.00319	.000620
26	18.0	-8.0		.94146	569.1	.00303	.000589	.00303	.000589
27	16.0	-2.0		.93921	567.8	.00311	.000604	.00308	.000599
28	18.0	-2.0		.94653	572.5	.00333	.000647	.00336	.000653
29	20.0	-3.0		.93752	566.8	.00307	.000597	.00303	.000589
30	18.0	-4.0		.94034	568.1	.00304	.000591	.00302	.000587
31	20.0	-4.0		.93921	567.8	.00306	.000595	.00307	.000597
32	20.0	-5.0		.94034	568.1	.00307	.000597	.00306	.000595
33	20.0	-6.0		.94202	569.1	.00317	.000616	.00320	.000622
34	20.0	-7.0		.94146	568.8	.00298	.000579	.00299	.000581
35	20.0	-8.0		.93977	568.1	.00303	.000589		
36	20.0	-12.0		.94146	572.1	.00319	.000620		
37	14.0	5.0		.93752	567.5	.00328	.000637	.00329	.000639
38	14.0	6.0		.93640	567.1	.00319	.000620	.00318	.000618
39	32.0	8.0		.93527	566.1	.00330	.000641	.00330	.000641
40	32.0	10.0		.93471	566.1	.00326	.000633	.00326	.000633
41	32.0	12.0		.93527	565.8	.00318	.000618		
42	50.0	-8.0		.94146	571.8	.00318	.000618		
43	50.0	-5.0		.94259	569.5	.00306	.000595		
44	50.0	.0		.93977	571.1	.00319	.000620		
45	50.0	6.0		.93752	567.1	.00308	.000599		
46	58.0	.0		.94090	568.8	.00311	.000604		
47	58.0	6.0		.93921	568.1	.00316	.000614		
48	58.0	12.0		.93752	569.8	.00320	.000622		
49	32.0	-7.0		.93921	567.8	.00309	.000600	.00307	.000597
50	32.0	-8.0		.94090	569.1	.00306	.000595	.00308	.000599
51	32.0	-10.0		.94090	569.1	.00306	.000595	.00306	.000595
52	32.0	-12.0		.94090	568.8	.00318	.000618		
53	42.0	-7.0		.94034	571.1	.00318	.000618	.00316	.000614
54	42.0	-8.0		.94146	568.8	.00317	.000616	.00318	.000618
55	42.0	-9.0		.94090	568.8	.00303	.000589		
57	42.0	-12.0		.94202	569.5	.00304	.000591		
58	58.0	-5.0		.94259	569.8	.00323	.000628		
60	58.0	-12.0		.94428	571.1	.00301	.000585		
61	14.0	8.0		.93640	567.1	.00331	.000643	.00331	.000643
62	14.0	12.0		.93696	567.1	.00329	.000639		
63	20.0	7.0		.93583	566.5	.00324	.000630		
64	20.0	8.0		.93527	565.8	.00313	.000608	.00312	.000606
65	20.0	10.0		.93640	566.5	.00313	.000608	.00311	.000604
66	20.0	12.0		.94428	570.5	.00300	.000583		
67	28.0	-7.0		.93865	570.5	.00320	.000622		
68	26.0	.0		.93752	566.8	.00297	.000577		
69	30.0	8.0		.94202	569.8	.00314	.000610		
70	36.0	.0		.93808	567.5	.00305	.000593		
71	42.0	.0		.93527	565.8	.00307	.000597		
72	42.0	12.0		.93583	565.8	.00309	.000600		
73	14.0	2.0		.93752	567.8	.00324	.000630	.00323	.000628
74	16.0	.0		.93752	567.8	.00326	.000633	.00327	.000635
75	18.0	.0		.93640	566.5	.00310	.000602	.00309	.000600
76	20.0	.0		.93583	566.1	.00321	.000624		
77	26.0	-1.0		.93865	567.8	.00308	.000599	.00308	.000599
78	20.0	-2.0		.94090	569.5	.00320	.000622	.00328	.000637
79	32.0	-4.0		.93921	567.8	.00304	.000591		
80	32.0	-5.0		.93808	567.5	.00322	.000626	.00321	.000624
81	32.0	4.0		.93808	567.5	.00306	.000595		
82	32.0	6.0		.93696	566.8	.00314	.000610	.00314	.000610
83	42.0	-5.0		.94034	568.1	.00301	.000585		
84	42.0	-6.0		.94090	568.8	.00305	.000593	.00308	.000599
85	6.0	.0		.94315	574.5	.00403	.000783		
86	6.0	5.0		.94259	577.8	.00429	.000834		
87	6.0	10.0		.94259	574.5	.00413	.000803		
88	12.0	.0		.94202	572.5	.00369	.000717		
89	12.0	5.0		.94315	573.5	.00376	.000731		
90	12.0	10.0		.93977	571.5	.00382	.000742		
91	18.0	.0		.94315	572.1	.00343	.000667		
92	30.0	.0		.94202	571.1	.00339	.000659		
93	42.0	.0		.94315	570.5	.00302	.000587		

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

1. Flat Plate Alone - Continued

(e) M = 3.51; R = 2.79×10^6; T_t = 709° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h_o (b)	N_{St}	$h_{o,c}$ (b)	$N_{St,c}$
1	2.0	-12.0		.95974	575.1	.00223	.000620		
2	2.0	.0		.95294	571.5	.00232	.000645		
3	2.0	12.0		.95294	570.8	.00227	.000631		
4	8.0	.0		.94557	567.1	.00233	.000647		
5	9.0	.0		.94613	567.5	.00233	.000647	.00235	.000653
6	10.0	.0		.94443	566.5	.00228	.000634	.00226	.000628
7	11.0	.0		.94557	567.1	.00232	.000645	.00234	.000650
8	11.5	.0		.94500	568.8	.00232	.000645		
9	12.0	1.0		.94500	566.8	.00233	.000647	.00232	.000645
10	12.0	3.0		.94613	569.8	.00245	.000681	.00246	.000684
11	12.0	5.0		.94443	566.5	.00231	.000642		
12	14.0	4.0		.94500	566.5	.00227	.000631	.00227	.000631
13	14.0	1.0		.94727	567.8	.00227	.000631	.00232	.000645
14	14.0	.0		.94443	566.1	.00218	.000606	.00210	.000584
15	14.0	-1.0		.94670	567.5	.00225	.000625	.00230	.000639
16	14.0	-2.0		.94613	566.5	.00221	.000614	.00215	.000597
17	13.0	-2.0		.94783	567.8	.00221	.000614		
18	12.0	-3.0		.94783	567.8	.00222	.000617		
19	14.0	-3.0		.94670	567.1	.00223	.000620	.00222	.000617
20	14.0	-4.0		.94840	568.5	.00227	.000631	.00228	.000634
21	16.0	-4.0		.95124	569.8	.00213	.000592	.00215	.000597
22	14.0	-6.0		.94783	568.5	.00229	.000636	.00229	.000636
23	14.0	-8.0		.94840	568.5	.00221	.000614	.00221	.000614
24	14.0	-12.0		.95237	570.8	.00225	.000625		
25	16.0	-8.0		.95010	569.5	.00212	.000589	.00213	.000592
26	18.0	-8.0		.94953	568.8	.00220	.000611	.00220	.000611
27	16.0	-2.0		.94670	567.5	.00229	.000636	.00226	.000628
28	18.0	-2.0		.95464	571.8	.00219	.000609	.00223	.000620
29	20.0	-3.0		.94557	566.5	.00222	.000617	.00219	.000609
30	18.0	-4.0		.94783	567.8	.00220	.000611	.00218	.000606
31	20.0	-4.0		.94727	567.5	.00221	.000614	.00222	.000617
32	20.0	-5.0		.94783	568.1	.00215	.000597	.00214	.000595
33	20.0	-6.0		.94953	568.8	.00206	.000572	.00208	.000578
34	20.0	-7.0		.94953	568.8	.00218	.000606	.00220	.000611
35	20.0	-8.0		.94783	567.8	.00217	.000603		
36	20.0	-12.0		.94953	569.1	.00221	.000614		
37	14.0	5.0		.94443	566.5	.00234	.000650	.00235	.000653
38	14.0	6.0		.94386	566.1	.00233	.000647	.00233	.000647
39	32.0	8.0		.94330	565.5	.00232	.000645	.00232	.000645
40	32.0	10.0		.94273	565.1	.00230	.000639	.00230	.000639
41	32.0	12.0		.94273	565.1	.00232	.000645		
42	50.0	-8.0		.94897	568.5	.00208	.000578		
43	50.0	-5.0		.95067	569.1	.00209	.000581		
44	50.0	.0		.94783	567.8	.00222	.000617		
45	50.0	6.0		.94500	566.5	.00227	.000631		
46	58.0	.0		.94840	568.1	.00228	.000634		
47	58.0	6.0		.94613	567.1	.00230	.000639		
48	58.0	12.0		.94557	566.1	.00223	.000620		
49	32.0	-7.0		.94670	567.5	.00221	.000614	.00219	.000609
50	32.0	-8.0		.94897	568.8	.00221	.000614	.00223	.000620
51	32.0	-10.0		.94897	568.8	.00221	.000614	.00221	.000614
52	32.0	-12.0		.94897	568.8	.00221	.000614		
53	42.0	-7.0		.94783	567.8	.00221	.000614	.00219	.000609
54	42.0	-8.0		.94897	568.8	.00212	.000589	.00214	.000595
55	42.0	-9.0		.94897	568.5	.00220	.000611		
57	42.0	-12.0		.95067	569.5	.00205	.000570		
58	58.0	-5.0		.95010	569.1	.00225	.000625		
60	58.0	-12.0		.95237	570.8	.00217	.000603		
61	14.0	8.0		.94330	565.8	.00236	.000656	.00236	.000656
62	14.0	12.0		.94386	566.1	.00233	.000647		
63	20.0	7.0		.94273	565.5	.00233	.000647		
64	20.0	8.0		.94273	565.5	.00231	.000642	.00231	.000642
65	20.0	10.0		.94386	565.5	.00224	.000622	.00221	.000614
66	20.0	12.0		.95294	570.5	.00220	.000611		
67	28.0	-7.0		.94613	567.1	.00220	.000611		
68	26.0	.0		.94557	566.5	.00213	.000592		
69	30.0	8.0		.94897	568.8	.00226	.000628		
70	36.0	.0		.94670	567.1	.00219	.000609		
71	42.0	.0		.94386	565.5	.00221	.000614		
72	42.0	12.0		.94330	565.1	.00216	.000600		
73	14.0	2.0		.94500	566.8	.00228	.000634	.00227	.000631
74	16.0	.0		.94500	566.8	.00225	.000625	.00226	.000628
75	18.0	.0		.94330	565.5	.00224	.000622	.00223	.000620
76	20.0	.0		.94330	565.5	.00222	.000617		
77	20.0	-1.0		.94613	566.8	.00225	.000625	.00224	.000622
78	20.0	-2.0		.94897	568.8	.00215	.000597	.00223	.000620
79	32.0	-4.0		.94727	567.5	.00219	.000609		
80	32.0	-5.0		.94840	568.8	.00228	.000634	.00231	.000642
81	32.0	4.0		.94557	566.8	.00223	.000620		
82	32.0	6.0		.94443	566.1	.00230	.000639	.00230	.000639
83	42.0	-5.0		.94783	567.8	.00219	.000609		
84	42.0	-6.0		.94897	568.5	.00221	.000614	.00224	.000622
85	6.0	.0		.94783	572.8	.00306	.000850		
86	6.0	5.0		.94670	572.5	.00326	.000906		
87	6.0	10.0		.94670	572.1	.00325	.000903		
88	12.0	.0		.94783	570.8	.00269	.000748		
89	12.0	5.0		.94897	574.1	.00284	.000789		
90	12.0	10.0		.94500	569.8	.00289	.000803		
91	18.0	.0		.94897	570.5	.00258	.000717		
92	30.0	.0		.94840	571.8	.00245	.000681		
93	42.0	.0		.94953	568.8	.00221	.000614		

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

1. Flat Plate Alone - Continued

(f) M = 3.51; R = 1.61×10^6; $T_t = 705^\circ$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^\circ$R	h_o (b)	N_{St}	$h_{o,c}$ (b)	$N_{St,c}$
1	2.0	-12.0		.96926	573.1	.00147	.000711		
2	2.0	.0		.96299	569.8	.00150	.000726		
3	2.0	12.0		.96243	569.1	.00148	.000716		
4	8.0	.0		.95389	565.8	.00164	.000794		
5	9.0	.0		.95446	564.8	.00151	.000731	.00153	.000740
6	10.0	.0		.95332	565.1	.00159	.000769	.00149	.000721
7	11.0	.0		.95389	564.5	.00150	.000726	.00152	.000736
8	11.5	.0		.95389	564.1	.00159	.000769		
9	12.0	1.0		.95332	565.5	.00165	.000799	.00165	.000799
10	12.0	3.0		.95389	564.8	.00165	.000799	.00166	.000803
11	12.0	5.0		.95275	563.8	.00159	.000769		
12	14.0	4.0		.95332	563.8	.00159	.000769	.00159	.000769
13	14.0	1.0		.95559	565.5	.00148	.000716	.00154	.000745
14	14.0	.0		.95275	563.5	.00159	.000769	.00153	.000740
15	14.0	-1.0		.95503	565.1	.00148	.000716	.00153	.000740
16	14.0	-2.0		.95389	564.1	.00159	.000769	.00155	.000750
17	13.0	-2.0		.95616	565.5	.00148	.000716		
18	12.0	-3.0		.95616	565.5	.00149	.000721		
19	14.0	-3.0		.95503	564.8	.00158	.000765	.00157	.000760
20	14.0	-4.0		.95730	566.1	.00158	.000765	.00160	.000774
21	16.0	-4.0		.95958	567.5	.00158	.000765	.00160	.000774
22	14.0	-6.0		.95616	565.8	.00159	.000769	.00159	.000769
23	14.0	-8.0		.95730	566.1	.00158	.000765	.00158	.000765
24	14.0	-12.0		.96015	568.5	.00150	.000726		
25	16.0	-8.0		.95844	567.1	.00147	.000711	.00148	.000716
26	18.0	-8.0		.95787	566.8	.00146	.000707	.00146	.000707
27	16.0	-2.0		.95559	565.1	.00147	.000711	.00144	.000697
28	18.0	-2.0		.96413	569.5	.00142	.000687	.00146	.000707
29	20.0	-3.0		.95503	564.8	.00158	.000765	.00157	.000760
30	18.0	-4.0		.95673	565.8	.00158	.000765	.00156	.000755
31	20.0	-4.0		.95616	565.5	.00141	.000682	.00141	.000682
32	20.0	-5.0		.95673	565.5	.00149	.000721	.00148	.000716
33	20.0	-6.0		.95844	566.8	.00141	.000682	.00143	.000692
34	20.0	-7.0		.95844	566.5	.00140	.000678	.00141	.000682
35	20.0	-8.0		.95616	565.5	.00158	.000765		
36	20.0	-12.0		.95730	566.5	.00158	.000765		
37	14.0	5.0		.95275	563.8	.00151	.000731	.00151	.000731
38	14.0	6.0		.95161	563.5	.00151	.000731	.00151	.000731
39	32.0	8.0		.95161	563.1	.00150	.000726	.00150	.000726
40	32.0	10.0		.95161	563.1	.00150	.000726	.00150	.000726
41	32.0	12.0		.95161	562.8	.00143	.000692		
42	50.0	-8.0		.95730	565.8	.00140	.000678		
43	50.0	-5.0		.95844	566.5	.00157	.000760		
44	50.0	.0		.95730	565.8	.00140	.000678		
45	50.0	6.0		.95446	564.5	.00159	.000769		
46	58.0	.0		.95787	566.1	.00138	.000668		
47	58.0	6.0		.95559	565.1	.00148	.000716		
48	58.0	12.0		.95446	564.5	.00139	.000673		
49	32.0	-7.0		.95503	564.8	.00158	.000765	.00156	.000755
50	32.0	-8.0		.95730	566.1	.00147	.000711	.00149	.000721
51	32.0	-10.0		.95787	566.1	.00157	.000760	.00157	.000760
52	32.0	-12.0		.95730	566.1	.00158	.000765		
53	42.0	-7.0		.95616	565.5	.00158	.000765	.00156	.000755
54	42.0	-8.0		.95787	566.1	.00157	.000760	.00159	.000769
55	42.0	-9.0		.95730	565.8	.00140	.000678		
57	42.0	-12.0		.96015	567.5	.00139	.000673		
58	58.0	-5.0		.95901	566.8	.00143	.000692		
60	58.0	-12.0		.96129	568.5	.00157	.000760		
61	14.0	8.0		.95047	562.8	.00152	.000736	.00152	.000736
62	14.0	12.0		.95161	563.1	.00159	.000769		
63	20.0	7.0		.95104	562.8	.00160	.000774		
64	20.0	8.0		.95389	564.5	.00149	.000721	.00151	.000731
65	20.0	10.0		.95161	563.1	.00150	.000726	.00147	.000711
66	20.0	12.0		.96072	568.1	.00140	.000678		
67	28.0	-7.0		.95503	564.5	.00158	.000765		
68	26.0	.0		.95503	564.5	.00139	.000673		
69	30.0	8.0		.95730	566.1	.00143	.000692		
70	36.0	.0		.95616	565.5	.00158	.000765		
71	42.0	.0		.95332	563.5	.00141	.000682		
72	42.0	12.0		.95389	564.1	.00141	.000682		
73	14.0	2.0		.95332	564.1	.00152	.000736	.00158	.000765
74	16.0	.0		.95389	564.5	.00149	.000721	.00149	.000721
75	18.0	.0		.95161	563.1	.00159	.000769	.00159	.000769
76	20.0	.0		.95218	563.1	.00159	.000769		
77	20.0	-1.0		.95446	564.8	.00148	.000716	.00148	.000716
78	20.0	-2.0		.95730	566.5	.00158	.000765	.00164	.000794
79	32.0	-4.0		.95616	565.1	.00139	.000673		
80	32.0	-5.0		.95787	566.8	.00147	.000711	.00150	.000726
81	32.0	4.0		.95503	564.8	.00158	.000765		
82	32.0	6.0		.95275	563.5	.00159	.000769	.00159	.000769
83	42.0	-5.0		.95673	565.5	.00140	.000678		
84	42.0	-6.0		.95787	566.1	.00157	.000760	.00159	.000769
85	6.0	.0		.95104	566.1	.00256	.001239		
86	6.0	5.0		.94933	566.1	.00276	.001336		
87	6.0	10.0		.94933	565.8	.00251	.001215		
88	12.0	.0		.95275	565.5	.00198	.000958		
89	12.0	5.0		.95332	566.5	.00205	.000992		
90	12.0	10.0		.94933	564.5	.00213	.001031		
91	18.0	.0		.95446	565.8	.00177	.000857		
92	30.0	.0		.95503	565.8	.00171	.000828		
93	42.0	.0		.95673	565.8	.00146	.000707		

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^\circ$R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

1. Flat Plate Alone - Continued

(g) M = 4.44; R = 4.57×10^6; T_t = 679° R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h_o (b)	N_{St}	$h_{o,c}$ (b)	$N_{St,c}$
1	2.0	-12.0		.94159	571.5	.00196	.000495		
2	2.0	.0		.93658	568.8	.00208	.000526		
3	2.0	12.0		.93658	569.1	.00184	.000465		
4	8.0	.0		.93102	565.5	.00205	.000518		
5	9.0	.0		.93158	565.5	.00213	.000538	.00216	.000546
6	10.0	.0		.92991	565.8	.00221	.000558	.00216	.000546
7	11.0	.0		.93102	567.5	.00211	.000533	.00216	.000546
8	11.5	.0		.93102	566.1	.00211	.000533		
9	12.0	1.0		.93046	564.8	.00214	.000541	.00214	.000541
10	12.0	3.0		.93046	565.5	.00203	.000513	.00204	.000515
11	12.0	5.0		.92935	565.5	.00221	.000558		
12	14.0	4.0		.92991	565.5	.00199	.000503	.00199	.000503
13	14.0	1.0		.93213	565.8	.00213	.000538	.00221	.000558
14	14.0	.0		.92991	564.5	.00203	.000513	.00189	.000478
15	14.0	-1.0		.93324	566.5	.00212	.000536	.00225	.000569
16	14.0	-2.0		.93046	564.5	.00194	.000490	.00182	.000460
17	13.0	-2.0		.93269	567.1	.00199	.000503		
18	12.0	-3.0		.93213	565.8	.00213	.000538		
19	14.0	-3.0		.93102	565.1	.00199	.000503	.00197	.000498
20	14.0	-4.0		.93213	566.1	.00200	.000505	.00203	.000513
21	16.0	-4.0		.93491	568.1	.00197	.000498	.00201	.000508
22	14.0	-6.0		.93102	565.1	.00213	.000538	.00212	.000536
23	14.0	-8.0		.93158	565.5	.00213	.000538	.00213	.000538
24	14.0	-12.0		.93547	567.8	.00200	.000505		
25	16.0	-8.0		.93269	567.1	.00199	.000503	.00200	.000505
26	18.0	-8.0		.93269	565.8	.00211	.000533	.00212	.000536
27	16.0	-2.0		.93158	565.1	.00194	.000490	.00189	.000478
28	18.0	-2.0		.93825	570.5	.00159	.000402	.00186	.000470
29	20.0	-3.0		.92991	564.5	.00199	.000503	.00195	.000493
30	18.0	-4.0		.93158	565.5	.00196	.000495	.00192	.000485
31	20.0	-4.0		.93102	565.1	.00196	.000495	.00198	.000500
32	20.0	-5.0		.93158	566.1	.00198	.000500	.00196	.000495
33	20.0	-6.0		.93269	565.8	.00184	.000465	.00187	.000473
34	20.0	-7.0		.93269	565.8	.00211	.000533	.00215	.000543
35	20.0	-8.0		.93046	564.5	.00187	.000473		
36	20.0	-12.0		.93213	565.8	.00213	.000538		
37	14.0	5.0		.92879	565.1	.00201	.000508	.00201	.000508
38	14.0	6.0		.92824	566.1	.00213	.000538	.00213	.000538
39	32.0	8.0		.93046	564.8	.00191	.000483	.00192	.000485
40	32.0	10.0		.92935	564.5	.00188	.000475	.00188	.000475
41	32.0	12.0		.92824	564.1	.00182	.000460		
42	50.0	-8.0		.93213	566.8	.00178	.000450		
43	50.0	-5.0		.93269	565.1	.00178	.000450		
44	50.0	.0		.93046	564.1	.00189	.000478		
45	50.0	6.0		.93213	565.1	.00178	.000450		
46	58.0	.0		.93269	565.1	.00178	.000450		
47	58.0	6.0		.93213	565.1	.00179	.000452		
48	58.0	12.0		.93158	565.5	.00180	.000455		
49	32.0	-7.0		.92991	565.5	.00199	.000503	.00194	.000490
50	32.0	-8.0		.93213	565.8	.00194	.000490	.00197	.000498
51	32.0	-10.0		.93213	566.8	.00199	.000503	.00199	.000503
52	32.0	-12.0		.93213	566.8	.00199	.000503		
53	42.0	-7.0		.93158	564.8	.00179	.000452	.00175	.000442
54	42.0	-8.0		.93269	567.5	.00178	.000450	.00182	.000460
55	42.0	-9.0		.93269	565.5	.00196	.000495		
57	42.0	-12.0		.93825	568.8	.00185	.000467		
58	58.0	-5.0		.93380	565.8	.00178	.000450		
60	58.0	-12.0		.93658	567.8	.00175	.000442		
61	14.0	8.0		.92768	564.5	.00201	.000508	.00201	.000508
62	14.0	12.0		.92824	565.5	.00203	.000513		
63	20.0	7.0		.92768	563.1	.00192	.000485		
64	20.0	8.0		.93380	566.8	.00183	.000462	.00194	.000490
65	20.0	10.0		.92935	565.5	.00215	.000543	.00195	.000493
66	20.0	12.0		.93714	569.1	.00181	.000457		
67	28.0	-7.0		.93046	564.8	.00213	.000538		
68	26.0	.0		.92991	565.1	.00198	.000500		
69	30.0	8.0		.93324	567.8	.00199	.000503		
70	36.0	.0		.92935	563.8	.00190	.000480		
71	42.0	.0		.92657	561.8	.00187	.000473		
72	42.0	12.0		.93380	567.1	.00180	.000455		
73	14.0	2.0		.93046	565.1	.00201	.000508	.00200	.000505
74	16.0	.0		.93046	565.1	.00204	.000515	.00206	.000521
75	18.0	.0		.92879	563.8	.00199	.000503	.00198	.000500
76	20.0	.0		.92824	564.5	.00200	.000505		
77	20.0	-1.0		.93046	565.8	.00211	.000533	.00197	.000498
78	20.0	-2.0		.93324	566.8	.00199	.000503	.00213	.000538
79	32.0	-4.0		.93046	565.5	.00198	.000500		
80	32.0	-5.0		.93213	565.8	.00184	.000465	.00188	.000475
81	32.0	4.0		.93324	566.1	.00181	.000457		
82	32.0	6.0		.92879	563.8	.00184	.000465	.00182	.000460
83	42.0	-5.0		.93102	564.5	.00180	.000455		
84	42.0	-6.0		.93269	565.5	.00179	.000452	.00184	.000465
85	6.0	.0		.93158	568.1	.00283	.000715		
86	6.0	5.0		.93046	569.1	.00272	.000687		
87	6.0	10.0		.93046	569.1	.00292	.000738		
88	12.0	.0		.93046	566.5	.00248	.000627		
89	12.0	5.0		.93158	567.5	.00250	.000632		
90	12.0	10.0		.92935	568.5	.00253	.000639		
91	18.0	.0		.93213	566.8	.00216	.000546		
92	30.0	.0		.93158	567.5	.00223	.000563		
93	42.0	.0		.93213	566.8	.00199	.000503		

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

1. Flat Plate Alone - Continued

(h) M = 4.44; R = 3.25×10^6; $T_t = 675^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h_o (b)	N_{St}	$h_{o,c}$ (b)	$N_{St,c}$
1	2.0	-12.0		.94881	569.1	.00148	.000525		
2	2.0	.0		.94487	566.8	.00148	.000525		
3	2.0	12.0		.94374	568.8	.00136	.000482		
4	8.0	.0		.93756	561.8	.00165	.000585		
5	9.0	.0		.93812	562.1	.00161	.000571	.00165	.000585
6	10.0	.0		.93643	561.1	.00165	.000585	.00160	.000567
7	11.0	.0		.93812	561.8	.00164	.000581	.00168	.000596
8	11.5	.0		.93756	562.5	.00150	.000532	.00152	.000539
9	12.0	1.0		.93699	562.1	.00150	.000532	.00149	.000528
10	12.0	3.0		.93699	561.8	.00165	.000585	.00166	.000589
11	12.0	5.0		.93531	561.8	.00152	.000539		
12	14.0	4.0		.93643	562.8	.00140	.000496	.00140	.000496
13	14.0	1.0		.93868	563.1	.00150	.000532	.00157	.000557
14	14.0	.0		.93699	561.8	.00149	.000528	.00137	.000486
15	14.0	-1.0		.94037	564.1	.00149	.000528	.00162	.000574
16	14.0	-2.0		.93756	561.1	.00159	.000564	.00148	.000525
17	13.0	-2.0		.93981	563.5	.00149	.000528		
18	12.0	-3.0		.93924	562.5	.00159	.000564		
19	14.0	-3.0		.93756	562.1	.00149	.000528	.00146	.000518
20	14.0	-4.0		.93924	564.1	.00139	.000493	.00143	.000507
21	16.0	-4.0		.94149	565.1	.00138	.000489	.00141	.000500
22	14.0	-6.0		.93756	563.1	.00139	.000493	.00138	.000489
23	14.0	-8.0		.93868	563.5	.00138	.000489	.00138	.000489
24	14.0	-12.0		.94206	565.1	.00149	.000528		
25	16.0	-8.0		.93981	563.5	.00149	.000528	.00150	.000532
26	18.0	-8.0		.93924	564.8	.00145	.000514	.00145	.000514
27	16.0	-2.0		.93812	563.5	.00139	.000493	.00135	.000479
28	18.0	-2.0		.94543	566.1	.00155	.000550	.00161	.000571
29	20.0	-3.0		.93756	562.8	.00139	.000493	.00136	.000482
30	18.0	-4.0		.93868	563.8	.00139	.000493	.00136	.000482
31	20.0	-4.0		.93812	562.5	.00149	.000528	.00149	.000528
32	20.0	-5.0		.93868	564.5	.00145	.000514	.00144	.000511
33	20.0	-6.0		.93981	565.1	.00145	.000514	.00148	.000525
34	20.0	-7.0		.93981	564.8	.00133	.000472	.00135	.000479
35	20.0	-8.0		.93812	563.8	.00145	.000514		
36	20.0	-12.0		.93924	563.5	.00149	.000528		
37	14.0	5.0		.93531	562.5	.00141	.000500	.00140	.000496
38	14.0	6.0		.93531	562.5	.00141	.000500	.00142	.000503
39	32.0	8.0		.93756	563.8	.00141	.000500	.00142	.000503
40	32.0	10.0		.93699	564.5	.00137	.000486	.00137	.000486
41	32.0	12.0		.93587	562.8	.00127	.000450		
42	50.0	-8.0		.93924	564.1	.00133	.000472		
43	50.0	-5.0		.93981	563.5	.00137	.000486		
44	50.0	.0		.93868	563.8	.00144	.000511		
45	50.0	6.0		.93868	564.5	.00134	.000475		
46	58.0	.0		.93981	562.8	.00129	.000457		
47	58.0	6.0		.93924	564.8	.00134	.000475		
48	58.0	12.0		.93924	562.8	.00117	.000415		
49	32.0	-7.0		.93699	562.5	.00139	.000493	.00134	.000475
50	32.0	-8.0		.93924	563.8	.00138	.000489	.00141	.000500
51	32.0	-10.0		.93981	564.1	.00138	.000489	.00138	.000489
52	32.0	-12.0		.93981	562.8	.00155	.000550		
53	42.0	-7.0		.93868	563.1	.00138	.000489	.00134	.000475
54	42.0	-8.0		.94037	564.1	.00137	.000486	.00140	.000496
55	42.0	-9.0		.93981	563.1	.00138	.000489		
57	42.0	-12.0		.94599	566.8	.00147	.000521		
58	58.0	-5.0		.94093	564.5	.00137	.000486		
60	58.0	-12.0		.94431	567.1	.00132	.000468		
61	14.0	8.0		.93362	561.1	.00153	.000542	.00153	.000542
62	14.0	12.0		.93474	562.8	.00143	.000507		
63	20.0	7.0		.93474	562.1	.00141	.000500		
64	20.0	8.0		.94037	563.8	.00147	.000521	.00159	.000564
65	20.0	10.0		.93587	563.8	.00137	.000486	.00131	.000464
66	20.0	12.0		.94318	565.5	.00124	.000440		
67	28.0	-7.0		.93812	564.1	.00145	.000514		
68	26.0	.0		.93756	561.1	.00153	.000542		
69	30.0	8.0		.94037	566.1	.00135	.000479		
70	36.0	.0		.93699	561.8	.00149	.000528		
71	42.0	.0		.93474	560.8	.00138	.000489		
72	42.0	12.0		.94206	564.5	.00124	.000440		
73	14.0	2.0		.93699	561.5	.00162	.000574	.00161	.000571
74	16.0	.0		.93756	562.5	.00150	.000532	.00151	.000535
75	18.0	.0		.93531	561.8	.00140	.000496	.00139	.000493
76	20.0	.0		.93531	560.1	.00156	.000553		
77	20.0	-1.0		.93756	563.1	.00139	.000493	.00138	.000489
78	20.0	-2.0		.94037	564.1	.00149	.000528	.00161	.000571
79	32.0	-4.0		.93812	563.8	.00145	.000514		
80	32.0	-5.0		.94037	565.5	.00145	.000514	.00151	.000535
81	32.0	4.0		.94037	565.8	.00146	.000518		
82	32.0	6.0		.93587	562.5	.00140	.000496	.00137	.000486
83	42.0	-5.0		.93868	561.1	.00122	.000433		
84	42.0	-6.0		.93981	563.8	.00137	.000486	.00141	.000500
85	6.0	.0		.93531	564.5	.00216	.000766		
86	6.0	5.0		.93418	565.5	.00209	.000741		
87	6.0	10.0		.93418	564.5	.00205	.000727		
88	12.0	.0		.93587	562.1	.00182	.000645		
89	12.0	5.0		.93643	563.5	.00173	.000613		
90	12.0	10.0		.93362	564.1	.00179	.000635		
91	18.0	.0		.93756	562.8	.00172	.000610		
92	30.0	.0		.93812	562.5	.00167	.000592		
93	42.0	.0		.93868	562.8	.00149	.000528		

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

1. Flat Plate Alone - Concluded

(i) M = 4.44; R = 2.20×10^6; T_t = 669° R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h_o (b)	N_{St}	$h_{o,c}$ (b)	$N_{St,c}$
1	2.0	-12.0		.95882	570.5	.00105	.000560		
2	2.0	.0		.95543	567.5	.00117	.000624		
3	2.0	12.0		.95374	566.8	.00116	.000619		
4	8.0	.0		.94866	563.8	.00101	.000539		
5	9.0	.0		.94866	564.5	.00106	.000566	.00110	.000587
6	10.0	.0		.94753	563.1	.00101	.000539	.00095	.000507
7	11.0	.0		.94923	563.8	.00100	.000534	.00105	.000560
8	11.5	.0		.94866	563.8	.00101	.000539		
9	12.0	1.0		.94753	563.1	.00101	.000539	.00101	.000539
10	12.0	3.0		.94753	563.5	.00102	.000544	.00103	.000550
11	12.0	5.0		.94584	563.1	.00106	.000566		
12	14.0	4.0		.94697	562.5	.00116	.000619	.00116	.000619
13	14.0	1.0		.94979	564.5	.00101	.000539	.00108	.000576
14	14.0	.0		.94810	563.1	.00101	.000539	.00089	.000475
15	14.0	-1.0		.95261	565.1	.00114	.000608	.00130	.000694
16	14.0	-2.0		.94810	562.5	.00100	.000534		
17	13.0	-2.0		.95092	564.5	.00100	.000534		
18	12.0	-3.0		.94979	564.8	.00105	.000560		
19	14.0	-3.0		.94810	563.1	.00101	.000539	.00097	.000518
20	14.0	-4.0		.95035	564.5	.00100	.000534	.00104	.000555
21	16.0	-4.0		.95205	565.5	.00100	.000534	.00103	.000550
22	14.0	-6.0		.94866	563.1	.00115	.000614	.00114	.000608
23	14.0	-8.0		.94979	564.1	.00100	.000534	.00100	.000534
24	14.0	-12.0		.95261	566.5	.00089	.000475		
25	16.0	-8.0		.95092	564.1	.00100	.000534	.00092	.000491
26	18.0	-8.0		.95035	564.5	.00100	.000534	.00100	.000534
27	16.0	-2.0		.94923	563.1	.00100	.000534	.00087	.000464
28	18.0	-2.0		.95600	568.1	.00120	.000640	.00126	.000673
29	20.0	-3.0		.94866	564.1	.00105	.000560	.00103	.000550
30	18.0	-4.0		.94979	563.5	.00089	.000475	.00086	.000459
31	20.0	-4.0		.94923	563.8	.00101	.000539	.00102	.000544
32	20.0	-5.0		.95035	564.1	.00100	.000534	.00099	.000528
33	20.0	-6.0		.95148	564.8	.00100	.000534	.00103	.000550
34	20.0	-7.0		.95092	565.1	.00089	.000475	.00092	.000491
35	20.0	-8.0		.94923	564.1	.00089	.000475		
36	20.0	-12.0		.95035	565.1	.00105	.000560		
37	14.0	5.0		.94641	563.8	.00107	.000571	.00106	.000566
38	14.0	6.0		.94584	562.5	.00102	.000544	.00102	.000544
39	32.0	8.0		.94923	564.1	.00101	.000539	.00102	.000544
40	32.0	10.0		.94866	563.8	.00101	.000539	.00102	.000544
41	32.0	12.0		.94753	562.8	.00101	.000539		
42	50.0	-8.0		.95035	564.5	.00089	.000475		
43	50.0	-5.0		.95092	563.8	.00082	.000438		
44	50.0	.0		.95035	563.5	.00084	.000448		
45	50.0	6.0		.94979	564.1	.00100	.000534		
46	58.0	.0		.95261	564.8	.00088	.000470		
47	58.0	6.0		.95148	565.5	.00089	.000475		
48	58.0	12.0		.95092	564.5	.00085	.000454		
49	32.0	-7.0		.94866	563.1	.00100	.000534	.00094	.000502
50	32.0	-8.0		.95092	565.1	.00089	.000475	.00092	.000491
51	32.0	-10.0		.95092	564.8	.00100	.000534	.00100	.000534
52	32.0	-12.0		.95148	565.1	.00100	.000534		
53	42.0	-7.0		.95035	564.1	.00100	.000534	.00096	.000512
54	42.0	-8.0		.95205	565.5	.00086	.000459	.00091	.000486
55	42.0	-9.0		.95148	564.8	.00100	.000534		
57	42.0	-12.0		.95712	568.8	.00088	.000470		
58	58.0	-5.0		.95318	565.8	.00099	.000528		
60	58.0	-12.0		.95600	567.1	.00081	.000432		
61	14.0	8.0		.94471	561.8	.00107	.000571	.00102	.000544
62	14.0	12.0		.94584	562.5	.00102	.000544		
63	20.0	7.0		.94584	561.5	.00092	.000491		
64	20.0	8.0		.95148	565.5	.00101	.000539	.00112	.000598
65	20.0	10.0		.94641	562.8	.00102	.000544	.00096	.000512
66	20.0	12.0		.95318	566.8	.00101	.000539		
67	26.0	-7.0		.94979	564.5	.00089	.000475		
68	26.0	.0		.94923	563.5	.00100	.000534		
69	30.0	8.0		.95092	566.5	.00106	.000566		
70	36.0	.0		.94866	563.5	.00100	.000534		
71	42.0	.0		.94697	561.5	.00080	.000427		
72	42.0	12.0		.95374	566.1	.00084	.000448		
73	14.0	2.0		.94753	563.5	.00092	.000491	.00099	.000528
74	16.0	.0		.94866	563.1	.00113	.000603	.00114	.000608
75	18.0	.0		.94697	562.5	.00101	.000539	.00100	.000534
76	20.0	.0		.94641	561.8	.00087	.000464		
77	20.0	-1.0		.94866	563.5	.00101	.000539	.00100	.000534
78	20.0	-2.0		.95148	565.1	.00100	.000534	.00111	.000592
79	32.0	-4.0		.94923	563.5	.00100	.000534		
80	32.0	-5.0		.95261	566.5	.00089	.000475	.00098	.000523
81	32.0	4.0		.95205	566.1	.00089	.000475		
82	32.0	6.0		.94697	562.8	.00101	.000539	.00098	.000523
83	42.0	-5.0		.94979	564.1	.00089	.000475		
84	42.0	-6.0		.95148	565.1	.00088	.000470	.00093	.000496
85	6.0	.0		.94302	562.8	.00168	.000897		
86	6.0	5.0		.94076	561.5	.00163	.000870		
87	6.0	10.0		.94133	562.5	.00231	.001233		
88	12.0	.0		.94528	562.1	.00133	.000710		
89	12.0	5.0		.94471	565.1	.00147	.000785		
90	12.0	10.0		.94189	563.8	.00148	.000790		
91	18.0	.0		.94753	564.8	.00137	.000731		
92	30.0	.0		.94923	563.8	.00120	.000640		
93	42.0	.0		.94923	565.1	.00106	.000566		

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

2. Equipment Pod; $\alpha = 0^{\circ}$

(a) M = 2.65; R = 3.88 × 10^6; T_t = 715° R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94094	586.5	.00549	.000781			1.00
2	2.0	.0		.93983	587.1	.00571	.000812			.99
3	2.0	12.0		.93928	586.8	.00562	.000799			.97
4	8.0	.0		.93542	584.1	.00571	.000812			1.00
5	9.0	.0		.93652	584.8	.00575	.000818	.00580	.000825	.99
6	10.0	.0		.93376	583.1	.00573	.000815	.00564	.000802	.99
7	11.0	.0		.93707	584.8	.00565	.000803	.00568	.000808	.98
8	11.5	.0		.93762	585.5	.00570	.000811			1.01
9	12.0	1.0		.93707	585.1	.00576	.000819	.00576	.000819	.99
10	12.0	3.0		.93652	585.5	.00583	.000829	.00583	.000829	.99
11	12.0	5.0		.93762	586.1	.00578	.000822			.99
12	14.0	4.0		.93983	587.1	.00571	.000812			.98
16	14.0	-2.0		.95198	600.5	.00602	.000856			1.08
17	13.0	-2.0		.94514	588.5	.00570	.000811			1.03
18	12.0	-3.0		.93983	585.8	.00556	.000791			.99
19	14.0	-3.0		.94204	589.5	.00608	.000865	.00602	.000856	1.08
20	14.0	-4.0		.93818	585.1	.00559	.000795	.00551	.000784	.99
21	16.0	-4.0		.94646	592.1	.00622	.000885	.00618	.000879	1.13
22	14.0	-6.0		.93928	586.1	.00562	.000799	.00563	.000801	.97
24	14.0	-12.0		.94038	585.8	.00549	.000781			1.00
25	16.0	-8.0		.93873	585.1	.00552	.000785	.00554	.000788	.99
26	18.0	-8.0		.93597	583.1	.00536	.000762	.00530	.000754	1.00
30	18.0	-4.0		.94977	604.8	.00912	.001297	.00928	.001320	1.72
31	20.0	-4.0		.95860	593.5	.00437	.000621			.80
32	20.0	-5.0		.94701	604.8	.00992	.001411	.01048	.001490	1.84
33	20.0	-6.0		.94922	597.5	.00718	.001021	.00718	.001021	1.32
34	20.0	-7.0		.94535	590.1	.00573	.000815	.00551	.000784	1.07
35	20.0	-8.0		.94701	591.8	.00582	.000828			1.07
36	20.0	-12.0		.93818	585.1	.00553	.000786			1.00
37	14.0	5.0		.93983	587.1	.00569	.000809	.00570	.000811	.97
38	14.0	6.0		.93818	586.8	.00575	.000818			.98
39	32.0	8.0		.93045	589.5	.00849	.001207			1.53
40	32.0	10.0		.93707	598.5	.00993	.001412	.01003	.001426	1.74
41	32.0	12.0		.94204	594.8	.00774	.001101			1.39
42	50.0	-8.0		.94590	596.5	.00765	.001088			1.38
43	50.0	-5.0		.96909	586.8	.00069	.000098			.12
44	50.0	.0		.97571	590.5	.00063	.000090			.12
45	50.0	6.0		.95749	584.8	.00208	.000296			.37
46	58.0	.0		.96633	587.1	.00126	.000179			.22
47	58.0	6.0		.92990	580.8	.00554	.000788			.95
48	58.0	12.0		.94314	591.5	.00621	.000883			1.07
49	32.0	-7.0		.93376	586.1	.00636	.000904			1.19
50	32.0	-8.0		.92935	587.1	.00811	.001153	.00805	.001145	1.50
51	32.0	-10.0		.93762	597.1	.00961	.001367	.00969	.001378	1.78
52	32.0	-12.0		.94425	595.5	.00759	.001079			1.40
53	42.0	-7.0		.94094	591.5	.00696	.000990			1.31
54	42.0	-8.0		.93983	591.1	.00701	.000997	.00705	.001003	1.37
55	42.0	-9.0		.93983	589.8	.00662	.000941			1.28
57	42.0	-12.0		.93818	587.1	.00600	.000853			1.17
58	58.0	-5.0		.95253	587.8	.00354	.000503			.63
59	58.0	-8.0		.94756	595.8	.00693	.000986	.00696	.000990	
60	58.0	-12.0		.94259	589.5	.00588	.000836			1.08
85	6.0	.0		.94370	592.1	.00651	.000926			.98
86	6.0	5.0		.94425	595.8	.00644	.000944			.96
87	6.0	10.0		.93983	591.1	.00662	.000941			.98
88	12.0	.0		.94204	590.1	.00597	.000849			.97
89	12.0	5.0		.93818	588.5	.00612	.000870			.98
90	12.0	10.0		.94094	590.5	.00629	.000894			.98
91	18.0	.0		.93983	587.5	.00578	.000822			1.00
92	30.0	.0		.93762	586.5	.00578	.000822			.97
93	42.0	.0		.93983	585.8	.00528	.000751			.99
101	1.8	.0	.5	.95542	596.8	.00952	.001354			
102	5.8	-2.5	1.3	.91720	602.5	.01301	.001850			
103	9.8	.0	2.6	.95431	604.1	.00997	.001418	.00998	.001419	
104	12.8	-5.8	1.9	.93652	608.5	.01414	.002011			
105	12.8	3.0	3.4	.93928	602.1	.01070	.001522	.01066	.001516	
106	16.3	-6.5	1.9	.92935	574.8	.00392	.000557			
107	16.3	3.0	3.9	.92714	580.1	.00469	.000667	.00468	.000666	
108	23.5	.0	3.9	.92548	572.5	.00386	.000549			
109	30.8	-6.5	1.9	.94646	587.8	.00471	.000670			
110	30.8	3.0	3.9	.93210	577.5	.00395	.000562	.00393	.000559	
112	35.8	-4.8	2.0	.97295	591.5	.00086	.000122			
113	5.8	.0	1.5	.92990	606.8	.00978	.001391	.00978	.001391	
114	5.8	2.5	1.3	.91389	602.5	.01348	.001917			
115	9.6	4.7	1.9	.91886	597.5	.01376	.001957			
116	12.8	.0	3.4	.93155	596.1	.01022	.001453	.01025	.001458	
117	12.8	5.5	3.1	.93818	616.5	.01668	.002372			
118	12.8	5.8	1.9	.93762	620.5	.01519	.002160			
119	16.3	.0	3.9	.92603	575.5	.00443	.000630			
120	16.3	6.2	3.6	.92769	580.8	.00539	.000767			
121	16.3	6.5	1.9	.92714	578.1	.00420	.000597			
122	30.8	.0	3.9	.93100	576.5	.00393	.000559			
123	30.8	6.2	3.6	.93321	585.8	.00654	.000930			
124	30.8	6.5	1.9	.94149	586.5	.00477	.000678			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ - 1.50 INCHES - Continued

2. Equipment Pod; $\alpha = 0^{\circ}$ - *Continued*

(b) $M = 2.65$; $R = 2.49 \times 10^6$; $T_t = 717^{\circ}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95335	584.8	.00361	.000797			.93
2	2.0	.0		.95113	584.8	.00380	.000839			.98
3	2.0	12.0		.95057	584.5	.00383	.000845			.99
4	8.0	.0		.94502	580.8	.00384	.000848			.98
5	9.0	.0		.94557	581.5	.00390	.000861	.00395	.000872	.99
6	10.0	.0		.94280	579.5	.00384	.000848	.00376	.000830	.98
7	11.0	.0		.94613	581.5	.00382	.000843	.00383	.000845	.97
8	11.5	.0		.94724	585.5	.00381	.000841			.97
9	12.0	1.0		.94668	582.1	.00389	.000859	.00389	.000859	1.01
10	12.0	3.0		.94502	581.5	.00391	.000863	.00391	.000863	.98
11	12.0	5.0		.94613	582.1	.00391	.000863			.99
12	14.0	4.0		.94946	583.8	.00376	.000830			.94
16	14.0	-2.0		.96279	593.5	.00424	.000936			1.14
17	13.0	-2.0		.95335	585.8	.00386	.000852			1.02
18	12.0	-3.0		.94946	582.8	.00378	.000834			1.00
19	14.0	-3.0		.95168	586.5	.00417	.000921	.00411	.000907	1.11
20	14.0	-4.0		.94779	582.1	.00366	.000808	.00359	.000792	.97
21	16.0	-4.0		.95557	588.5	.00427	.000943	.00425	.000938	1.14
22	14.0	-6.0		.94835	582.5	.00383	.000845	.00384	.000848	1.01
23	14.0	-8.0		.94668	581.1	.00374	.000826	.00373	.000823	.99
24	14.0	-12.0		.95002	582.5	.00371	.000819			1.01
25	16.0	-8.0		.94835	582.1	.00372	.000821	.00373	.000823	1.00
26	18.0	-8.0		.94613	580.8	.00372	.000821	.00367	.000810	1.03
30	18.0	-4.0		.95890	603.1	.00624	.001377	.00630	.001391	1.73
31	20.0	-4.0		.97445	595.1	.00297	.000656			.83
32	20.0	-5.0		.95612	598.1	.00672	.001483	.00694	.001532	1.80
33	20.0	-6.0		.95890	593.1	.00493	.001088	.00496	.001095	1.34
34	20.0	-7.0		.95501	586.5	.00384	.000848	.00366	.000808	1.07
35	20.0	-8.0		.95668	588.5	.00402	.000887			1.13
36	20.0	-12.0		.94835	582.1	.00372	.000821			1.02
37	14.0	5.0		.94835	583.1	.00385	.000850	.00385	.000850	.98
38	14.0	6.0		.94668	582.8	.00390	.000861			.96
39	32.0	8.0		.94002	584.8	.00590	.001302			1.55
40	32.0	10.0		.94502	591.8	.00688	.001519	.00694	.001532	1.79
41	32.0	12.0		.95113	589.8	.00534	.001179			1.42
42	50.0	-8.0		.95446	591.8	.00523	.001155			1.38
43	50.0	-5.0		.98667	594.1	.00055	.000121			.15
44	50.0	.0		.99888	599.8	.00034	.000075			.09
45	50.0	6.0		.97223	589.5	.00064	.000141			.18
46	58.0	.0		.98445	593.1	.00087	.000192			.23
47	58.0	6.0		.94335	580.1	.00384	.000848			.94
48	58.0	12.0		.95168	586.8	.00421	.000929			1.07
49	32.0	-7.0		.94891	585.8	.00452	.000998			1.22
50	32.0	-8.0		.93946	583.5	.00570	.001258	.00561	.001238	1.61
51	32.0	-10.0		.94668	591.5	.00668	.001475	.00673	.001486	1.84
52	32.0	-12.0		.95390	591.1	.00518	.001143			1.40
53	42.0	-7.0		.95501	590.8	.00492	.001086			1.39
54	42.0	-8.0		.95002	587.8	.00502	.001108	.00500	.001104	1.43
55	42.0	-9.0		.94946	586.1	.00464	.001024			1.31
57	42.0	-12.0		.94891	584.5	.00417	.000921			1.17
58	58.0	-5.0		.96556	588.5	.00255	.000563			.67
59	58.0	-8.0		.95612	591.8	.00500	.001104	.00502	.001108	
60	58.0	-12.0		.95168	585.8	.00399	.000881			1.05
85	6.0	.0		.95113	587.8	.00459	.001013			1.01
86	6.0	5.0		.95224	589.5	.00485	.001071			.99
87	6.0	10.0		.94779	586.8	.00480	.001060			1.02
88	12.0	.0		.95057	586.1	.00417	.000921			.99
89	12.0	5.0		.94668	584.5	.00431	.000951			.98
90	12.0	10.0		.94891	586.1	.00445	.000982			1.02
91	18.0	.0		.94835	583.5	.00403	.000890			1.03
92	30.0	.0		.94613	582.5	.00392	.000865			.99
93	42.0	.0		.94835	582.1	.00365	.000806			1.03
101	1.8	.0	.5	.94169	589.5	.00674	.001488			
102	5.8	-2.5	1.3	.92280	587.5	.00970	.002141			
103	9.8	.0	2.6	.94113	590.8	.00728	.001607	.00729	.001609	
104	12.8	-5.8	1.9	.94169	605.1	.00981	.002166			
105	12.8	3.0	3.4	.94557	598.8	.00725	.001600	.00722	.001594	
106	16.3	-6.5	1.9	.94113	570.8	.00188	.000415			
107	16.3	3.0	3.9	.93946	574.1	.00291	.000642	.00291	.000642	
108	23.5	.0	3.9	.94113	573.8	.00260	.000574			
109	30.8	-6.5	1.9	.95890	587.1	.00324	.000715			
110	30.8	3.0	3.9	.94668	578.1	.00287	.000634	.00287	.000634	
112	35.8	-4.8	2.0	.99389	598.1	.00062	.000137			
113	5.8	.0	1.5	.93669	589.1	.00739	.001631	.00740	.001634	
114	5.8	2.5	1.3	.91947	587.1	.00994	.002194			
115	9.8	4.7	1.9	.92669	594.8	.00930	.002053			
116	12.8	.0	3.4	.93835	588.5	.00704	.001554	.00706	.001558	
117	12.8	5.5	3.1	.94169	605.5	.01200	.002649			
118	12.8	5.8	1.9	.94169	609.1	.01090	.002406			
119	16.3	.0	3.9	.93891	573.5	.00272	.000600			
120	16.3	6.2	3.6	.93891	573.8	.00291	.000642			
121	16.3	6.5	1.9	.93780	569.8	.00201	.000444			
122	30.8	.0	3.9	.94613	577.1	.00263	.000581			
123	30.8	6.2	3.6	.94335	582.5	.00455	.001004			
124	30.8	6.5	1.9	.95335	584.8	.00330	.000728			

[a] *Thermocouple locations* for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

2. Equipment Pod; $\alpha = 0^{o}$ - Continued

(c) M = 2.65; R = 1.26×10^{6}; $T_t = 713^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.96664	587.5	.00204	.000896			.95
2	2.0	.0		.96497	587.1	.00233	.001023			1.08
3	2.0	12.0		.96386	586.5	.00208	.000913			.97
4	8.0	.0		.95608	583.5	.00219	.000962			.99
5	9.0	.0		.95719	582.1	.00211	.000927	.00215	.000944	.99
6	10.0	.0		.95441	582.1	.00218	.000957	.00210	.000922	.96
7	11.0	.0		.95830	582.5	.00210	.000922	.00210	.000922	.96
8	11.5	.0		.95941	585.5	.00209	.000918			.95
9	12.0	1.0		.95941	583.1	.00210	.000922	.00210	.000922	.96
10	12.0	3.0		.95663	582.1	.00215	.000944	.00214	.000940	.93
11	12.0	5.0		.95663	582.1	.00212	.000931			.97
12	14.0	4.0		.96108	584.5	.00211	.000927			.98
16	14.0	-2.0		.97275	596.8	.00228	.001001			.90
17	13.0	-2.0		.96553	587.1	.00225	.000988			1.10
18	12.0	-3.0		.96052	583.8	.00204	.000896			.98
19	14.0	-3.0		.96275	586.8	.00236	.001036	.00231	.001014	1.15
20	14.0	-4.0		.95997	583.5	.00204	.000896	.00199	.000874	.97
21	16.0	-4.0		.96441	589.8	.00232	.001019	.00267	.001173	1.10
22	14.0	-6.0		.95941	583.1	.00206	.000905	.00207	.000909	.99
23	14.0	-8.0		.95774	581.5	.00191	.000839	.00190	.000834	.95
24	14.0	-12.0		.96052	583.1	.00200	.000878			.97
25	16.0	-8.0		.95941	582.8	.00199	.000874	.00200	.000878	.98
26	18.0	-8.0		.95886	582.1	.00200	.000878	.00196	.000861	.97
31	20.0	-4.0		.98554	596.8	.00165	.000725			.79
32	20.0	-5.0		.96497	593.5	.00346	.001519	.00346	.001519	1.69
33	20.0	-6.0		.96831	591.1	.00259	.001137	.00262	.001151	1.31
34	20.0	-7.0		.96553	586.8	.00208	.000913	.00195	.000856	1.09
35	20.0	-8.0		.96775	588.8	.00268	.001177			1.31
36	20.0	-12.0		.95941	583.1	.00204	.000896			.97
37	14.0	5.0		.95997	583.8	.00208	.000913	.00209	.000918	.96
38	14.0	6.0		.95719	584.5	.00219	.000962			1.00
39	32.0	8.0		.95330	585.1	.00336	.001476			1.58
40	32.0	10.0		.95663	589.1	.00374	.001642	.00376	.001651	1.73
41	32.0	12.0		.96386	589.8	.00292	.001282			1.34
42	50.0	-8.0		.96608	591.5	.00296	.001300			1.41
43	50.0	-5.0		.99777	598.5	.00032	.000141			.15
44	50.0	.0		1.00778	604.1	.00030	.000132			.14
45	50.0	6.0		.98498	592.5	.00079	.000347			.37
46	58.0	.0		.99444	597.1	.00044	.000193			.21
47	58.0	6.0		.95663	582.1	.00212	.000931			.95
48	58.0	12.0		.96441	587.5	.00225	.000988			1.05
49	32.0	-7.0		.96497	588.8	.00245	.001076			1.28
50	32.0	-8.0		.95274	583.8	.00312	.001370	.00301	.001322	1.51
51	32.0	-10.0		.95774	588.8	.00369	.001621	.00371	.001629	1.81
52	32.0	-12.0		.96664	591.1	.00284	.001247			1.41
53	42.0	-7.0		.97053	593.5	.00274	.001203			1.34
54	42.0	-8.0		.96275	589.1	.00301	.001322	.00296	.001300	1.58
55	42.0	-9.0		.96163	587.5	.00266	.001168			1.30
57	42.0	-12.0		.96330	586.5	.00225	.000988			1.10
58	58.0	-5.0		.97498	589.5	.00138	.000606			.64
59	58.0	-8.0		.96386	589.8	.00291	.001278	.00292	.001282	
60	58.0	-12.0		.96386	586.5	.00214	.000940			1.03
85	6.0	.0		.95774	588.5	.00299	.001313			1.03
86	6.0	5.0		.95719	585.5	.00264	.001159			.82
87	6.0	10.0		.95274	581.8	.00237	.001041			.75
88	12.0	.0		.95886	585.1	.00250	.001098			.99
89	12.0	5.0		.95441	583.8	.00278	.001221			1.02
90	12.0	10.0		.95608	585.5	.00288	.001265			1.01
91	18.0	.0		.95663	583.1	.00242	.001063			1.02
92	30.0	.0		.95552	582.1	.00224	.000984			.99
93	42.0	.0		.95830	582.5	.00201	.000883			.95
101	1.8	.0	.5	.94829	584.5	.00363	.001594			
102	5.8	-2.5	1.3	.93050	583.1	.00501	.002200			
103	9.8	.0	2.6	.94940	585.8	.00412	.001809	.00413	.001814	
104	12.8	-5.8	1.9	.94718	590.8	.00583	.002560			
105	12.8	3.0	3.4	.95218	587.8	.00397	.001743	.00396	.001739	
106	16.3	-6.5	1.9	.95441	574.1	.00079	.000347			
107	16.3	3.0	3.9	.95218	575.5	.00116	.000509	.00117	.000514	
108	23.5	.0	3.9	.95886	579.8	.00158	.000694			
109	30.8	-6.5	1.9	.97109	589.5	.00195	.000856			
110	30.8	3.0	3.9	.96219	582.5	.00158	.000694	.00158	.000694	
112	35.8	-4.8	2.0	1.00333	602.8	.00039	.000171			
113	5.8	.0	1.5	.94440	583.5	.00417	.001831	.00419	.001840	
114	5.8	2.5	1.3	.92772	582.5	.00522	.002292			
115	9.8	4.7	1.9	.93717	583.5	.00542	.002380			
116	12.8	.0	3.4	.94662	586.5	.00383	.001682	.00384	.001686	
117	12.8	5.5	3.1	.94607	598.5	.00651	.002859			
118	12.8	5.8	1.9	.94662	593.1	.00641	.002815			
119	16.3	.0	3.9	.95218	574.5	.00111	.000487			
120	16.3	6.2	3.6	.94996	572.1	.00122	.000536			
121	16.3	6.5	1.9	.95107	572.8	.00096	.000422			
122	30.8	.0	3.9	.96275	582.1	.00157	.000689			
123	30.8	6.2	3.6	.95774	585.1	.00232	.001019			
124	30.8	6.5	1.9	.96608	587.5	.00199	.000874			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

2. Equipment Pod; $\alpha = 0^{o}$ - Continued

(d) M = 3.51; R = 3.95×10^{6}; $T_t = 711^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94537	573.8	.00291	.000571			.93
2	2.0	.0		.94199	572.1	.00311	.000610			.95
3	2.0	12.0		.94143	570.8	.00293	.000575			.92
4	8.0	.0		.93354	567.1	.00310	.000608			.95
5	9.0	.0		.93467	567.8	.00314	.000616	.00319	.000626	.96
6	10.0	.0		.93129	565.5	.00310	.000608	.00302	.000592	.97
7	11.0	.0		.93411	567.5	.00301	.000591	.00302	.000592	.91
8	11.5	.0		.93523	568.1	.00301	.000591			.91
9	12.0	1.0		.93467	567.8	.00301	.000591	.00301	.000591	.94
10	12.0	3.0		.93354	567.8	.00310	.000608	.00310	.000608	.94
11	12.0	5.0		.93411	567.8	.00311	.000610			.95
12	14.0	4.0		.93692	569.1	.00300	.000589			.91
16	14.0	-2.0		.95044	582.1	.00338	.000663			1.06
17	13.0	-2.0		.94030	570.8	.00300	.000589			.97
18	12.0	-3.0		.93749	568.8	.00298	.000585			.95
19	14.0	-3.0		.93918	570.1	.00318	.000624	.00305	.000598	.99
20	14.0	-4.0		.93523	567.8	.00299	.000587	.00295	.000579	.93
21	16.0	-4.0		.94255	574.8	.00362	.000710	.00361	.000708	1.19
22	14.0	-6.0		.93692	568.8	.00299	.000587	.00300	.000589	.92
23	14.0	-8.0		.93580	567.8	.00287	.000563	.00286	.000561	.93
24	14.0	-12.0		.93974	570.1	.00292	.000573			.92
25	16.0	-8.0		.93749	569.1	.00294	.000577	.00296	.000581	.92
26	18.0	-8.0		.93467	567.1	.00287	.000563	.00281	.000551	.95
30	18.0	-4.0		.94424	592.1	.00491	.000963	.00496	.000973	1.62
31	20.0	-4.0		.96452	584.1	.00281	.000551			.92
32	20.0	-5.0		.93974	583.5	.00589	.001156	.00600	.001177	1.92
33	20.0	-6.0		.94481	578.5	.00418	.000820	.00420	.000824	1.32
34	20.0	-7.0		.94143	572.8	.00341	.000669	.00323	.000634	1.14
35	20.0	-8.0		.94537	576.1	.00327	.000642			1.08
36	20.0	-12.0		.93918	570.1	.00294	.000577			.92
37	14.0	5.0		.93636	569.1	.00300	.000589	.00302	.000592	.91
38	14.0	6.0		.93467	568.5	.00302	.000592			.95
39	32.0	8.0		.91778	571.5	.00635	.001246			1.92
40	32.0	10.0		.92566	576.5	.00623	.001222	.00626	.001228	1.91
41	32.0	12.0		.93411	575.1	.00473	.000928			1.49
42	50.0	-8.0		.94143	576.8	.00421	.000826			1.32
43	50.0	-5.0		.99155	587.8	.00036	.000071			.12
44	50.0	.0		1.00957	598.1	.00026	.000051			.08
45	50.0	6.0		.96508	578.8	.00173	.000339			.56
46	58.0	.0		.98085	583.1	.00061	.000120			.20
47	58.0	6.0		.93974	571.1	.00295	.000579			.93
48	58.0	12.0		.93580	570.1	.00344	.000675			1.06
49	32.0	-7.0		.92904	570.5	.00434	.000851			1.40
50	32.0	-8.0		.91440	568.1	.00616	.001209	.00609	.001195	2.01
51	32.0	-10.0		.92341	573.8	.00625	.001226	.00628	.001232	2.04
52	32.0	-12.0		.93523	574.8	.00469	.000920			1.47
53	42.0	-7.0		.94875	577.8	.00341	.000669			1.07
54	42.0	-8.0		.93974	573.1	.00363	.000712	.00355	.000696	1.15
55	42.0	-9.0		.93692	570.1	.00333	.000653			1.10
57	42.0	-12.0		.93523	573.1	.00422	.000828			1.39
58	58.0	-5.0		.95720	575.5	.00189	.000371			.59
59	58.0	-8.0		.94199	576.1	.00393	.000771	.00394	.000773	
60	58.0	-12.0		.93636	570.1	.00326	.000640			1.08
85	6.0	.0		.93467	572.1	.00392	.000769			.97
86	6.0	5.0		.93580	573.5	.00403	.000791			.94
87	6.0	10.0		.93185	570.5	.00398	.000781			.96
88	12.0	.0		.93580	571.1	.00351	.000689			.95
89	12.0	5.0		.93242	569.5	.00354	.000695			.94
90	12.0	10.0		.93467	570.8	.00367	.000720			.96
91	18.0	.0		.93523	569.5	.00339	.000665			.99
92	30.0	.0		.93185	567.1	.00322	.000632			.95
93	42.0	.0		.93580	567.8	.00286	.000561			.95
101	1.8	.0	.5	.91947	577.8	.00602	.001181			
102	5.8	-2.5	1.3	.89237	576.1	.00955	.001874			
103	9.8	.0	2.6	.91552	581.5	.00745	.001462	.00746	.001464	
104	12.8	-5.8	1.9	.91665	595.1	.01122	.002201			
105	12.8	3.0	3.4	.92397	586.5	.00735	.001442	.00731	.001434	
106	16.3	-6.5	1.9	.91890	550.5	.00152	.000298			
107	16.3	3.0	3.9	.92284	558.1	.00227	.000445	.00230	.000451	
108	23.5	.0	3.9	.92116	555.8	.00213	.000418			
109	30.8	-6.5	1.9	.94087	568.8	.00253	.000496			
110	30.8	3.0	3.9	.93354	562.5	.00199	.000390	.00199	.000390	
112	35.8	-4.8	2.0	1.00112	593.8	.00040	.000078			
113	5.8	.0	1.5	.90989	578.1	.00739	.001450	.00740	.001452	
114	5.8	2.5	1.3	.88843	571.8	.01027	.002015			
115	9.8	4.7	1.9	.89750	579.5	.00962	.001887			
116	12.8	.0	3.4	.91383	574.8	.00753	.001477	.00756	.001483	
117	12.8	5.5	3.1	.92172	596.8	.01202	.002358			
118	12.8	5.8	1.9	.92059	602.5	.01195	.002344			
119	16.3	.0	3.9	.91609	556.1	.00245	.000481			
120	16.3	6.2	3.6	.91609	550.8	.00184	.000361			
121	16.3	6.5	1.9	.91665	552.1	.00169	.000332			
122	30.8	.0	3.9	.92510	559.1	.00204	.000400			
123	30.8	6.2	3.6	.92622	566.1	.00375	.000736			
124	30.8	6.5	1.9	.93411	565.1	.00244	.000479			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

2. Equipment Pod; $\alpha = 0^{o}$ - Continued

(e) M = 3.51; R = 2.80×10^{6}; $T_t = 709^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95253	570.5	.00218	.000603			.98
2	2.0	.0		.94858	568.5	.00231	.000638			1.00
3	2.0	12.0		.94745	566.8	.00212	.000586			.93
4	8.0	.0		.93897	563.1	.00234	.000647			1.00
5	9.0	.0		.94010	563.5	.00235	.000650	.00241	.000666	1.01
6	10.0	.0		.93614	561.1	.00242	.000669	.00234	.000647	1.06
7	11.0	.0		.93953	565.5	.00243	.000672	.00245	.000677	1.05
8	11.5	.0		.94123	564.1	.00226	.000625			.97
9	12.0	1.0		.94010	563.8	.00232	.000641	.00232	.000641	1.00
10	12.0	3.0		.93840	563.1	.00240	.000663	.00240	.000663	.98
11	12.0	5.0		.93953	563.5	.00232	.000641			1.00
12	14.0	4.0		.94236	565.1	.00229	.000633			1.01
16	14.0	-2.0		.95479	574.1	.00275	.000760			1.24
17	13.0	-2.0		.94632	566.8	.00234	.000647			1.06
18	12.0	-3.0		.94349	564.8	.00239	.000661			1.08
19	14.0	-3.0		.94462	566.1	.00253	.000699	.00242	.000669	1.13
20	14.0	-4.0		.94179	564.1	.00231	.000638	.00228	.000630	1.02
21	16.0	-4.0		.94745	569.8	.00279	.000771	.00294	.000813	1.31
22	14.0	-6.0		.94292	565.1	.00229	.000633	.00230	.000636	1.00
23	14.0	-8.0		.94123	564.1	.00225	.000622	.00224	.000619	1.02
24	14.0	-12.0		.94518	566.1	.00221	.000611			.98
25	16.0	-8.0		.94349	565.5	.00225	.000622	.00226	.000625	1.06
26	18.0	-8.0		.94123	563.8	.00225	.000622	.00220	.000608	1.02
31	20.0	-4.0		.96892	579.1	.00216	.000597			.98
32	20.0	-5.0		.94518	575.8	.00443	.001224	.00443	.001224	2.06
33	20.0	-6.0		.95084	573.1	.00310	.000857	.00314	.000868	1.50
34	20.0	-7.0		.94745	568.8	.00259	.000716	.00244	.000674	1.19
35	20.0	-8.0		.95027	571.5	.00260	.000719			1.20
36	20.0	-12.0		.94462	566.1	.00221	.000611			1.00
37	14.0	5.0		.94179	564.5	.00223	.000616	.00224	.000619	.95
38	14.0	6.0		.93953	563.8	.00231	.000638			.99
39	32.0	8.0		.92371	564.8	.00492	.001360			2.12
40	32.0	10.0		.93162	569.5	.00474	.001310	.00476	.001316	2.06
41	32.0	12.0		.94123	570.1	.00353	.000976			1.52
42	50.0	-8.0		.94745	571.8	.00328	.000907			1.58
43	50.0	-5.0		.99208	584.5	.00027	.000075			.13
45	50.0	6.0		.96779	574.8	.00121	.000334			.53
46	58.0	.0		.98643	581.5	.00048	.000133			.21
47	58.0	6.0		.94462	566.8	.00232	.000641			1.01
48	58.0	12.0		.94066	565.5	.00251	.000694			1.13
49	32.0	-7.0		.93614	569.1	.00351	.000970			1.59
50	32.0	-8.0		.92089	562.1	.00488	.001349	.00479	.001324	2.21
51	32.0	-10.0		.92880	567.1	.00489	.001352	.00490	.001354	2.21
52	32.0	-12.0		.94405	571.1	.00361	.000998			1.63
53	42.0	-7.0		.95479	574.8	.00265	.000732			1.20
54	42.0	-8.0		.94632	569.8	.00288	.000796	.00285	.000788	1.36
55	42.0	-9.0		.94292	569.1	.00268	.000741			1.22
57	42.0	-12.0		.94123	568.8	.00323	.000893			1.58
58	58.0	-5.0		.96044	571.8	.00150	.000415			.67
59	58.0	-8.0		.94801	571.5	.00296	.000818	.00297	.000821	
60	58.0	-12.0		.94349	566.8	.00252	.000697			1.16
85	6.0	.0		.93840	569.5	.00323	.000893			1.06
86	6.0	5.0		.93840	570.1	.00325	.000898			1.00
87	6.0	10.0		.93445	564.5	.00321	.000887			.99
88	12.0	.0		.94010	566.1	.00298	.000824			1.11
89	12.0	5.0		.93614	564.5	.00301	.000832			1.06
90	12.0	10.0		.93784	564.8	.00291	.000804			1.01
91	18.0	.0		.93953	564.8	.00265	.000732			1.03
92	30.0	.0		.93614	562.5	.00262	.000724			1.07
93	42.0	.0		.94066	563.5	.00221	.000611			1.00
101	1.8	.0	.5	.92484	566.1	.00501	.001385			
102	5.8	-2.5	1.3	.89647	565.1	.00781	.002159			
103	9.8	.0	2.6	.91976	567.5	.00625	.001727	.00626	.001730	
104	12.8	-5.8	1.9	.91919	577.1	.00976	.002698			
105	12.8	3.0	3.4	.92767	576.1	.00584	.001614	.00581	.001606	
106	16.3	-6.5	1.9	.92597	547.8	.00100	.000276			
107	16.3	3.0	3.9	.92936	553.1	.00152	.000420	.00154	.000426	
108	23.5	.0	3.9	.93275	555.1	.00157	.000434			
109	30.8	-6.5	1.9	.94914	566.1	.00200	.000553			
110	30.8	3.0	3.9	.94462	563.1	.00155	.000428	.00156	.000431	
112	35.8	-4.8	2.0	1.00169	590.1	.00030	.000083			
113	5.8	.0	1.5	.91298	564.1	.00616	.001703	.00618	.001708	
114	5.8	2.5	1.3	.89251	565.1	.00795	.002197			
115	9.8	4.7	1.9	.90224	564.1	.00800	.002211			
116	12.8	.0	3.4	.91806	569.5	.00572	.001581	.00574	.001587	
117	12.8	5.5	3.1	.92315	584.1	.01006	.002781			
118	12.8	5.8	1.9	.92258	583.8	.01028	.002841			
119	16.3	.0	3.9	.92428	550.1	.00162	.000448			
120	16.3	6.2	3.6	.92202	545.8	.00112	.000310			
121	16.3	6.5	1.9	.92371	549.8	.00118	.000326			
122	30.8	.0	3.9	.93671	556.5	.00142	.000392			
123	30.8	6.2	3.6	.93445	561.8	.00280	.000774			
124	30.8	6.5	1.9	.94179	562.5	.00195	.000539			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

2. Equipment Pod; $\alpha = 0^{o}$ - Continued

(f) M = 3.51; $R = 1.61 \times 10^{6}$; $T_t = 704^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.96494	574.8	.00155	.000751			1.05
2	2.0	.0		.96212	573.5	.00143	.000693			.95
3	2.0	12.0		.95929	570.8	.00140	.000678			.95
4	8.0	.0		.95024	566.5	.00157	.000760			.96
5	9.0	.0		.95137	566.8	.00141	.000683	.00145	.000702	.93
6	10.0	.0		.94855	565.1	.00141	.000683	.00134	.000649	.89
7	11.0	.0		.95194	567.1	.00157	.000760	.00160	.000775	1.05
8	11.5	.0		.95250	567.5	.00157	.000760			.99
9	12.0	1.0		.95307	567.8	.00157	.000760	.00157	.000760	.95
10	12.0	3.0		.95024	566.5	.00158	.000765	.00157	.000760	.96
11	12.0	5.0		.95081	566.8	.00157	.000760			.99
12	14.0	4.0		.95420	568.8	.00157	.000760			.99
16	14.0	-2.0		.96494	576.8	.00168	.000814			1.06
17	13.0	-2.0		.95929	571.1	.00155	.000751			1.05
18	12.0	-3.0		.95533	569.1	.00144	.000697			.97
19	14.0	-3.0		.95703	570.5	.00161	.000780	.00153	.000741	1.02
20	14.0	-4.0		.95420	568.5	.00156	.000756	.00154	.000746	.99
21	16.0	-4.0		.95646	571.8	.00192	.000930	.00193	.000935	1.22
22	14.0	-6.0		.95477	568.8	.00156	.000756	.00157	.000760	.98
23	14.0	-8.0		.95307	567.5	.00138	.000668	.00138	.000668	.87
24	14.0	-12.0		.95646	569.5	.00135	.000654			.90
25	16.0	-8.0		.95533	569.1	.00156	.000756	.00157	.000760	1.06
26	18.0	-8.0		.95363	567.8	.00135	.000654	.00131	.000634	.92
31	20.0	-4.0		.97625	581.1	.00139	.000673			.99
32	20.0	-5.0		.95420	574.8	.00276	.001337	.00266	.001288	1.85
33	20.0	-6.0		.95872	573.8	.00188	.000911	.00191	.000925	1.33
34	20.0	-7.0		.95759	571.5	.00165	.000799	.00154	.000746	1.18
35	20.0	-8.0		.96155	575.8	.00175	.000848			1.11
36	20.0	-12.0		.95590	569.5	.00137	.000664			.87
37	14.0	5.0		.95250	567.8	.00147	.000712	.00146	.000707	.97
38	14.0	6.0		.95137	566.8	.00142	.000688			.94
39	32.0	8.0		.93611	565.8	.00325	.001574			2.17
40	32.0	10.0		.94346	569.8	.00305	.001477	.00306	.001482	2.03
41	32.0	12.0		.95477	572.8	.00231	.001119			1.62
42	50.0	-8.0		.95929	575.1	.00215	.001041			1.54
43	50.0	-5.0		.99717	587.8	.00020	.000097			.13
45	50.0	6.0		.97568	577.8	.00086	.000417			.54
46	58.0	.0		.99491	587.1	.00032	.000155			.23
47	58.0	6.0		.95477	570.1	.00163	.000789			1.10
48	58.0	12.0		.95703	571.1	.00162	.000785			1.17
49	32.0	-7.0		.95250	571.5	.00209	.001012			1.32
50	32.0	-8.0		.93724	565.8	.00313	.001516	.00302	.001463	2.13
51	32.0	-10.0		.94459	570.1	.00309	.001497	.00309	.001497	1.97
52	32.0	-12.0		.95929	575.5	.00222	.001075			1.41
53	42.0	-7.0		.97229	581.8	.00176	.000852			1.11
54	42.0	-8.0		.96325	576.1	.00182	.000881	.00176	.000852	1.16
55	42.0	-9.0		.95985	573.1	.00174	.000843			1.24
57	42.0	-12.0		.95759	573.5	.00201	.000973			1.45
58	58.0	-5.0		.97173	576.8	.00100	.000484			.70
59	58.0	-8.0		.96212	576.1	.00200	.000969	.00201	.000973	
60	58.0	-12.0		.95929	572.5	.00149	.000722			.95
85	6.0	.0		.94968	570.1	.00240	.001162			.94
86	6.0	5.0		.94911	570.5	.00244	.001182			.88
87	6.0	10.0		.94459	566.8	.00248	.001201			.99
88	12.0	.0		.95137	569.1	.00194	.000940			.98
89	12.0	5.0		.94798	567.8	.00202	.000978			.99
90	12.0	10.0		.94911	567.8	.00208	.001007			.98
91	18.0	.0		.95250	568.8	.00173	.000838			.98
92	30.0	.0		.95081	567.5	.00152	.000736			.89
93	42.0	.0		.95477	568.8	.00137	.000664			.94
101	1.8	.0	.5	.93328	564.8	.00325	.001574			
102	5.8	-2.5	1.3	.90671	557.5	.00538	.002606			
103	9.8	.0	2.6	.93272	569.5	.00369	.001787	.00370	.001792	
104	12.8	-5.8	1.9	.92819	573.1	.00642	.003109			
105	12.8	3.0	3.4	.93837	573.1	.00380	.001840	.00379	.001836	
106	16.3	-6.5	1.9	.94515	558.8	.00066	.000320			
107	16.3	3.0	3.9	.94628	562.1	.00085	.000412	.00087	.000421	
108	23.5	.0	3.9	.95816	568.1	.00101	.000489			
109	30.8	-6.5	1.9	.96777	576.8	.00136	.000659			
110	30.8	3.0	3.9	.96720	575.8	.00088	.000426	.00089	.000431	
112	35.8	-4.8	2.0	1.01017	595.5	.00021	.000102			
113	5.8	.0	1.5	.92424	562.8	.00400	.001937	.00403	.001952	
114	5.8	2.5	1.3	.90332	557.1	.00551	.002669			
115	9.8	4.7	1.9	.91575	565.5	.00498	.002412			
116	12.8	.0	3.4	.93102	568.1	.00369	.001787	.00370	.001792	
117	12.8	5.5	3.1	.93102	581.8	.00644	.003119			
118	12.8	5.8	1.9	.92932	576.8	.00706	.003419			
119	16.3	.0	3.9	.94402	559.1	.00079	.000383			
120	16.3	6.2	3.6	.94063	555.5	.00068	.000329			
121	16.3	6.5	1.9	.94176	557.1	.00085	.000412			
122	30.8	.0	3.9	.96155	572.1	.00088	.000426			
123	30.8	6.2	3.6	.95703	571.5	.00167	.000809			
124	30.8	6.5	1.9	.96212	572.1	.00135	.000654			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

2. Equipment Pod; $\alpha = 0^{\circ}$ - Continued

(g) M = 4.44; R = 4.42 × 10^6; T_t = 690° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	b_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94234	575.5	.00176	.000448			.90
2	2.0	.0		.94123	576.8	.00200	.000509			.96
3	2.0	12.0		.93901	574.1	.00207	.000526			1.13
4	8.0	.0		.93180	571.5	.00202	.000514			.99
5	9.0	.0		.93291	569.5	.00206	.000524	.00213	.000542	.97
6	10.0	.0		.93014	567.8	.00206	.000524	.00195	.000496	.93
7	11.0	.0		.93291	569.5	.00206	.000524	.00210	.000534	.98
8	11.5	.0		.93402	570.1	.00192	.000488	.00530	.001348	.91
9	12.0	1.0		.93347	569.8	.00205	.000521	.00205	.000521	.96
10	12.0	3.0		.93125	571.5	.00204	.000519	.00203	.000516	1.00
11	12.0	5.0		.93180	569.5	.00208	.000529			.94
12	14.0	4.0		.93458	573.1	.00202	.000514			1.02
16	14.0	-2.0		.94455	579.1	.00215	.000547			1.11
17	13.0	-2.0		.93846	572.5	.00191	.000486			.96
18	12.0	-3.0		.93568	571.8	.00191	.000486			.90
19	14.0	-3.0		.93624	572.5	.00211	.000537	.00195	.000496	1.06
20	14.0	-4.0		.93291	570.5	.00192	.000488	.00187	.000475	.96
21	16.0	-4.0		.93624	573.8	.00271	.000689	.00274	.000697	1.38
22	14.0	-6.0		.93402	570.1	.00178	.000453	.00180	.000458	.84
23	14.0	-8.0		.93236	568.8	.00174	.000442	.00173	.000440	.82
24	14.0	-12.0		.93568	571.5	.00186	.000473			.93
25	16.0	-8.0		.93458	570.1	.00176	.000448	.00178	.000453	.88
26	18.0	-8.0		.93125	568.1	.00173	.000440	.00165	.000420	.82
31	20.0	-4.0		.94733	578.5	.00203	.000516			1.04
32	20.0	-5.0		.92903	575.8	.00436	.001109	.00421	.001070	2.20
33	20.0	-6.0		.93790	576.5	.00298	.000758	.00314	.000798	1.62
34	20.0	-7.0		.93568	572.5	.00230	.000585	.00207	.000526	1.09
35	20.0	-8.0		.94067	575.5	.00208	.000529			1.11
36	20.0	-12.0		.93458	570.8	.00180	.000458			.85
37	14.0	5.0		.93347	571.5	.00194	.000493	.00194	.000493	.97
38	14.0	6.0		.93180	569.8	.00209	.000531			.98
39	32.0	8.0		.89909	566.5	.00515	.001309			2.70
40	32.0	10.0		.90963	565.8	.00498	.001266	.00497	.001264	2.65
41	32.0	12.0		.92293	570.1	.00361	.000918			1.98
42	50.0	-8.0		.93790	574.5	.00230	.000585			1.29
43	50.0	-5.0		.98503	592.5	.00033	.000084			.19
45	50.0	6.0		.97061	585.5	.00055	.000140			.31
46	58.0	.0		.98392	593.8	.00075	.000191			.42
47	58.0	6.0		.95343	579.8	.00127	.000323			.71
48	58.0	12.0		.93568	575.1	.00206	.000524			1.14
49	32.0	-7.0		.91517	564.5	.00320	.000814			1.61
50	32.0	-8.0		.90020	561.5	.00497	.001264	.00486	.001236	2.56
51	32.0	-10.0		.91074	564.8	.00423	.001076	.00419	.001065	2.13
52	32.0	-12.0		.92681	571.1	.00328	.000834			1.65
53	42.0	-7.0		.94677	578.8	.00153	.000389			.85
54	42.0	-8.0		.93568	572.8	.00231	.000587	.00217	.000552	1.30
55	42.0	-9.0		.93125	570.1	.00233	.000592			1.19
57	42.0	-12.0		.93014	572.5	.00291	.000740			1.57
58	58.0	-5.0		.97117	588.8	.00090	.000229			.51
59	58.0	-8.0		.93458	575.5	.00283	.000720	.00279	.000709	
60	58.0	-12.0		.93568	571.8	.00192	.000488			1.10
85	6.0	.0		.93513	576.8	.00271	.000689			.96
86	6.0	5.0		.93568	575.5	.00280	.000712			1.03
87	6.0	10.0		.93069	573.8	.00288	.000732			.99
88	12.0	.0		.93402	572.1	.00235	.000598			.95
89	12.0	5.0		.93236	572.1	.00275	.000699			1.10
90	12.0	10.0		.93402	576.5	.00229	.000582			.91
91	18.0	.0		.93402	571.5	.00228	.000580			1.06
92	30.0	.0		.93180	573.1	.00209	.000531			.94
93	42.0	.0		.93513	570.8	.00205	.000521			1.03
101	1.8	.0	.5	.91185	571.8	.00448	.001139			
102	5.8	-2.5	1.3	.87858	559.1	.00870	.002212			
103	9.8	.0	2.6	.90741	574.1	.00684	.001739	.00686	.001744	
104	12.8	-5.8	1.9	.90741	586.8	.00962	.002446			
105	12.8	3.0	3.4	.91739	580.8	.00573	.001457	.00570	.001449	
106	16.3	-6.5	1.9	.91240	552.1	.00080	.000203			
107	16.3	3.0	3.9	.91850	560.1	.00132	.000336	.00136	.000346	
108	23.5	.0	3.9	.92571	563.8	.00130	.000331			
109	30.8	-6.5	1.9	.94123	572.8	.00135	.000343			
110	30.8	3.0	3.9	.93846	568.5	.00105	.000267	.00106	.000270	
113	5.8	.0	1.5	.90020	569.5	.00663	.001686	.00673	.001711	
114	5.8	2.5	1.3	.87525	563.5	.00835	.002123			
115	9.8	4.7	1.9	.88135	564.8	.00768	.001953			
116	12.8	.0	3.4	.90741	573.1	.00669	.001701	.00674	.001714	
117	12.8	5.5	3.1	.91240	584.8	.01128	.002868			
118	12.8	5.8	1.9	.91018	591.1	.01017	.002586			
119	16.3	.0	3.9	.91462	555.5	.00143	.000364			
120	16.3	6.2	3.6	.91074	550.5	.00082	.000208			
121	16.3	6.5	1.9	.90907	550.1	.00083	.000211			
122	30.8	.0	3.9	.93180	563.8	.00107	.000272			
123	30.8	6.2	3.6	.92903	571.1	.00208	.000529			
124	30.8	6.5	1.9	.93624	570.5	.00137	.000348			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

2. Equipment Pod; $\alpha = 0^{o}$ - Continued

(h) $M = 4.44$; $R = 3.20 \times 10^{6}$; $T_t = 683^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94873	575.1	.00151	.000540			1.02
2	2.0	.0		.94818	578.1	.00138	.000494			.93
3	2.0	12.0		.94483	573.8	.00128	.000458			.94
4	8.0	.0		.93815	572.1	.00140	.000501			.85
5	9.0	.0		.93871	569.1	.00140	.000501	.00152	.000544	.87
6	10.0	.0		.93592	567.5	.00141	.000505	.00131	.000469	.85
7	11.0	.0		.93926	571.1	.00138	.000494	.00141	.000505	.84
8	11.5	.0		.93982	573.1	.00139	.000497	.00141	.000505	.93
9	12.0	1.0		.93926	571.1	.00138	.000494	.00138	.000494	.92
10	12.0	3.0		.93703	568.5	.00154	.000551	.00153	.000547	.93
11	12.0	5.0		.93703	568.5	.00154	.000551			1.01
12	14.0	4.0		.94038	571.8	.00138	.000494			.99
16	14.0	-2.0		.94929	580.5	.00141	.000505			.89
17	13.0	-2.0		.94428	574.1	.00137	.000490			.92
18	12.0	-3.0		.94149	572.5	.00138	.000494			.87
19	14.0	-3.0		.94205	571.5	.00160	.000573	.00148	.000530	1.07
20	14.0	-4.0		.93926	569.5	.00138	.000494	.00136	.000487	.99
21	16.0	-4.0		.94038	572.8	.00173	.000619	.00175	.000626	1.25
22	14.0	-6.0		.94038	573.1	.00139	.000497	.00141	.000505	1.00
23	14.0	-8.0		.93815	570.1	.00138	.000494	.00137	.000490	1.00
24	14.0	-12.0		.94149	572.1	.00137	.000490			.92
25	16.0	-8.0		.94038	571.5	.00139	.000497	.00141	.000505	.93
26	18.0	-8.0		.93759	568.8	.00128	.000458	.00121	.000433	.88
30	18.0	-4.0		.93703	576.1	.00320	.001145	.00318	.001138	2.30
31	20.0	-4.0		.95096	577.5	.00153	.000547			1.03
32	20.0	-5.0		.93313	575.1	.00271	.000970	.00254	.000909	1.87
33	20.0	-6.0		.94149	574.8	.00211	.000755	.00227	.000812	1.46
35	20.0	-8.0		.94651	575.1	.00161	.000576			1.11
36	20.0	-12.0		.94093	571.8	.00137	.000490			.92
37	14.0	5.0		.93871	571.1	.00139	.000497	.00140	.000501	.99
38	14.0	6.0		.93759	570.5	.00139	.000497			.99
39	32.0	8.0		.90583	561.5	.00363	.001299			2.57
40	32.0	10.0		.91642	564.8	.00308	.001102	.00306	.001095	2.25
41	32.0	12.0		.93090	571.1	.00242	.000866			1.91
42	50.0	-8.0		.94428	576.5	.00171	.000612			1.29
44	50.0	.0		.99832	597.1	.00024	.000086			.17
45	50.0	6.0		.96768	581.1	.00053	.000190			.40
46	58.0	.0		.98774	592.1	.00037	.000132			.29
47	58.0	6.0		.95263	575.5	.00106	.000379			.79
48	58.0	12.0		.94261	572.5	.00155	.000555			1.32
49	32.0	-7.0		.92255	565.1	.00232	.000830			1.67
50	32.0	-8.0		.90750	562.1	.00359	.001285	.00348	.001245	2.60
51	32.0	-10.0		.91698	564.8	.00328	.001174	.00324	.001159	2.38
52	32.0	-12.0		.93480	573.5	.00241	.000862			1.55
53	42.0	-7.0		.95319	578.1	.00126	.000451			.91
54	42.0	-8.0		.94205	572.8	.00147	.000526	.00133	.000476	1.07
55	42.0	-9.0		.93703	570.1	.00169	.000605			1.22
57	42.0	-12.0		.93703	572.8	.00220	.000787			1.50
58	58.0	-5.0		.96879	583.5	.00067	.000240			.49
59	58.0	-8.0		.93982	577.8	.00197	.000705	.00194	.000694	
60	58.0	-12.0		.94316	575.5	.00139	.000497			1.05
85	6.0	.0		.93815	573.5	.00193	.000691			.89
86	6.0	5.0		.93759	575.8	.00193	.000691			.92
87	6.0	10.0		.93258	570.5	.00188	.000673			.92
88	12.0	.0		.93871	571.1	.00171	.000612			.94
89	12.0	5.0		.93592	570.1	.00170	.000608			.98
90	12.0	10.0		.93703	571.5	.00176	.000630			.98
91	18.0	.0		.93871	570.8	.00161	.000576			.94
92	30.0	.0		.93759	569.1	.00142	.000508			.85
93	42.0	.0		.94093	571.1	.00128	.000458			.86
101	1.8	.0	.5	.91530	567.8	.00288	.001031			
102	5.8	-2.5	1.3	.88132	559.1	.00478	.001710			
103	9.8	.0	2.6	.91085	568.8	.00421	.001506	.00423	.001514	
104	12.8	-5.8	1.9	.90806	581.1	.00619	.002215			
105	12.8	3.0	3.4	.91976	573.1	.00406	.001453	.00405	.001449	
106	16.3	-6.5	1.9	.91865	551.8	.00059	.000211			
107	16.3	3.0	3.9	.92366	557.8	.00086	.000308	.00089	.000318	
108	23.5	.0	3.9	.93592	564.1	.00074	.000265			
109	30.8	-6.5	1.9	.94873	572.5	.00106	.000379			
110	30.8	3.0	3.9	.94762	571.5	.00077	.000276	.00079	.000283	
113	5.8	.0	1.5	.90360	565.8	.00405	.001449	.00414	.001481	
114	5.8	2.5	1.3	.87853	558.5	.00494	.001768			
115	9.8	4.7	1.9	.88522	558.8	.00537	.001922			
116	12.8	.0	3.4	.91085	570.8	.00396	.001417	.00401	.001435	
117	12.8	5.5	3.1	.91363	583.5	.00616	.002204			
118	12.8	5.8	1.9	.91029	584.5	.00676	.002419			
119	16.3	.0	3.9	.92088	556.5	.00087	.000311			
120	16.3	6.2	3.6	.91642	551.1	.00078	.000279			
121	16.3	6.5	1.9	.91586	550.5	.00063	.000225			
122	30.8	.0	3.9	.94205	566.8	.00068	.000243			
123	30.8	6.2	3.6	.93815	571.5	.00141	.000505			
124	30.8	6.5	1.9	.94483	570.8	.00105	.000376			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

Quality Deficiencies In Original Document

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TABLE II. TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

3. Equipment Pod; $\alpha = 10^{o}$ - Continued

(b) M = 2.65; R = 2.52×10^{6}; $T_t = 715^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95319	584.1	.00372	.000816			.96
2	2.0	.0		.95096	583.8	.00383	.000840			.99
3	2.0	12.0		.95041	583.5	.00384	.000842			1.00
4	8.0	.0		.94883	579.8	.00386	.000847			.98
5	9.0	.0		.94539	580.5	.00382	.000838	.00388	.000851	.97
6	10.0	.0		.94205	578.5	.00378	.000829	.00370	.000811	.97
7	11.0	.0		.94483	580.1	.00383	.000840	.00387	.000849	.98
8	11.5	.0		.94539	580.1	.00385	.000844	.00383	.000840	.98
9	12.0	1.0		.94372	579.5	.00386	.000847	.00385	.000844	1.01
10	12.0	3.0		.94651	581.5	.00397	.000871	.00398	.000873	1.00
11	12.0	5.0		.94539	580.8	.00396	.000869			1.00
13	14.0	1.0		.95765	591.8	.00455	.000998			1.20
14	14.0	.0		.94929	585.8	.00449	.000985	.00440	.000965	1.21
15	14.0	-1.0		.95208	584.1	.00383	.000840	.00384	.000842	1.01
16	14.0	-2.0		.94985	582.1	.00359	.000787	.00356	.000781	.97
17	13.0	-2.0		.94706	581.1	.00376	.000825			1.00
18	12.0	-3.0		.94818	581.5	.00376	.000825			.99
19	14.0	-3.0		.94483	579.8	.00379	.000831	.00374	.000820	1.01
20	14.0	-4.0		.94483	579.8	.00378	.000829	.00377	.000827	1.01
21	16.0	-4.0		.94985	582.1	.00366	.000803	.00362	.000794	.98
22	14.0	-6.0		.94706	580.8	.00369	.000809	.00370	.000811	.97
23	14.0	-8.0		.94539	579.8	.00373	.000818	.00372	.000816	.99
24	14.0	-12.0		.94929	581.5	.00373	.000818			1.01
25	16.0	-8.0		.94706	580.5	.00361	.000792	.00362	.000794	.97
26	18.0	-8.0		.94428	578.5	.00359	.000787	.00353	.000774	1.00
27	16.0	-2.0		.95431	588.5	.00459	.001007	.00457	.001002	1.20
28	18.0	-2.0		.95431	598.5	.00714	.001566			1.90
29	20.0	-3.0		.94929	605.5	.00856	.001877			2.37
30	18.0	-4.0		.95486	605.1	.00439	.000963	.00431	.000945	1.22
31	20.0	-4.0		.95653	598.1	.00678	.001487	.00683	.001498	1.90
32	20.0	-5.0		.95709	594.5	.00570	.001250	.00573	.001257	1.53
33	20.0	-6.0		.95431	589.5	.00481	.001055	.00480	.001053	1.31
34	20.0	-7.0		.95208	585.1	.00416	.000912	.00402	.000882	1.16
35	20.0	-8.0		.95431	587.1	.00415	.000910			1.17
36	20.0	-12.0		.94818	581.1	.00372	.000816			1.02
37	14.0	5.0		.95598	589.1	.00414	.000908			1.05
38	14.0	6.0		.94929	583.5	.00399	.000875			.99
39	32.0	8.0		.94038	578.5	.00406	.000890			1.07
40	32.0	10.0		.94873	589.1	.00554	.001215	.00561	.001230	1.44
41	32.0	12.0		.95653	587.1	.00379	.000831			1.01
42	50.0	-8.0		.98551	596.1	.00117	.000257			.31
43	50.0	-5.0		.98217	594.5	.00119	.000261			.32
44	50.0	.0		.98885	594.5	.00077	.000169			.21
45	50.0	6.0		.94985	586.1	.00447	.000980			1.23
46	58.0	.0		.96712	582.8	.00126	.000276			.33
47	58.0	6.0		.94038	583.8	.00549	.001204			1.34
48	58.0	12.0		.94316	576.1	.00305	.000669			.78
49	32.0	-7.0		.94873	600.5	.00720	.001579			1.95
50	32.0	-8.0		.93926	590.8	.00795	.001744	.00789	.001730	2.24
51	32.0	-10.0		.94038	588.1	.00702	.001540	.00702	.001540	1.93
52	32.0	-12.0		.94372	585.8	.00568	.001246			1.54
55	42.0	-9.0		.94929	614.1	.00642	.001408			1.82
57	42.0	-12.0		.95431	592.5	.00572	.001255			1.61
58	58.0	-5.0		.96824	587.5	.00208	.000456			.54
59	58.0	-8.0		.96712	586.8	.00222	.000487	.00221	.000485	
60	58.0	-12.0		.95208	589.1	.00502	.001101			1.32
85	6.0	.0		.94762	585.1	.00464	.001018			1.02
86	6.0	5.0		.94762	586.1	.00491	.001077			1.01
87	6.0	10.0		.94428	584.1	.00484	.001062			1.03
88	12.0	.0		.94762	583.8	.00420	.000921			1.00
89	12.0	5.0		.94372	582.5	.00439	.000963			1.00
90	12.0	10.0		.94706	584.5	.00437	.000958			1.00
91	18.0	.0		.94651	582.1	.00400	.000877			1.02
92	30.0	.0		.94372	580.5	.00405	.000888			1.03
93	42.0	.0		.94651	580.5	.00368	.000807			1.04
101	1.8	.0	.5	.93926	596.8	.00631	.001384			
102	5.8	-2.5	1.3	.92310	600.1	.01091	.002393			
103	9.8	.0	2.6	.93926	590.5	.00727	.001594	.00728	.001597	
104	12.8	-5.8	1.9	.94539	620.8	.01368	.003000			
105	12.8	3.0	3.4	.93592	586.5	.00696	.001526	.00697	.001529	
106	16.3	-6.5	1.9	.93759	581.8	.00422	.000926			
107	16.3	3.0	3.9	.93202	569.1	.00296	.000649	.00298	.000654	
108	23.5	.0	3.9	.94149	574.1	.00265	.000581			
109	30.8	-6.5	1.9	.93815	577.5	.00402	.000882			
110	30.8	3.0	3.9	.94316	575.1	.00264	.000579	.00267	.000586	
112	35.8	-4.8	2.0	.99609	598.5	.00065	.000143			
113	5.8	.0	1.5	.93425	588.1	.00760	.001667	.00761	.001669	
114	5.8	2.5	1.3	.91538	577.1	.00762	.001671			
115	9.8	4.7	1.9	.92199	581.1	.00625	.001371			
116	12.8	.0	3.4	.93871	589.5	.00721	.001581	.00724	.001588	
117	12.8	5.5	3.1	.92199	587.5	.00790	.001733			
118	12.8	5.8	1.9	.92478	580.5	.00710	.001557			
119	16.3	.0	3.9	.93703	572.1	.00295	.000647			
120	16.3	6.2	3.6	.91865	554.5	.00144	.000316			
121	16.3	6.5	1.9	.93146	560.8	.00109	.000239			
122	30.8	.0	3.9	.94651	577.8	.00278	.000610			
123	30.8	6.2	3.6	.93202	562.8	.00141	.000309			
124	30.8	6.5	1.9	.92979	569.8	.00341	.000748			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II. TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

3. Equipment Pod; $\alpha = 10^0$ - Continued

(c) M = 2.65; R = 1.26×10^6; T_t = 714° R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.96723	588.5	.00207	.000908			.96
2	2.0	.0		.96556	588.5	.00208	.000913			.96
3	2.0	12.0		.96390	587.8	.00209	.000917			.97
4	8.0	.0		.95612	582.5	.00217	.000952			.98
5	9.0	.0		.95668	583.1	.00212	.000930	.00217	.000952	.99
6	10.0	.0		.95390	581.1	.00210	.000922	.00202	.000887	.92
7	11.0	.0		.95668	582.8	.00217	.000952	.00221	.000970	1.00
8	11.5	.0		.95724	583.1	.00211	.000926	.00210	.000922	.96
9	12.0	1.0		.95612	582.8	.00209	.000917	.00208	.000913	.96
10	12.0	3.0		.95890	584.8	.00235	.001031	.00236	.001036	1.01
11	12.0	5.0		.95779	585.5	.00219	.000961			1.00
13	14.0	1.0		.96834	593.1	.00266	.001167			1.25
14	14.0	.0		.96057	588.5	.00268	.001176	.00260	.001141	1.28
15	14.0	-1.0		.96445	587.5	.00212	.000930	.00214	.000939	.99
16	14.0	-2.0		.96223	585.5	.00196	.000860	.00198	.000869	.78
17	13.0	-2.0		.95890	583.8	.00202	.000887			.99
18	12.0	-3.0		.95946	584.1	.00197	.000865			.94
19	14.0	-3.0		.95724	582.8	.00205	.000900	.00199	.000873	1.00
20	14.0	-4.0		.95668	582.5	.00202	.000887	.00201	.000882	.96
21	16.0	-4.0		.96223	585.8	.00207	.000908	.00207	.000908	.99
22	14.0	-6.0		.95835	583.5	.00210	.000922	.00211	.000926	1.00
23	14.0	-8.0		.95724	582.5	.00203	.000891	.00202	.000887	1.00
24	14.0	-12.0		.96001	584.1	.00203	.000891			.98
25	16.0	-8.0		.95890	583.5	.00196	.000860	.00197	.000865	.96
26	18.0	-8.0		.95724	582.1	.00194	.000851	.00190	.000834	.94
27	16.0	-2.0		.96390	589.1	.00256	.001123	.00255	.001119	1.30
28	18.0	-2.0		.96057	594.8	.00396	.001738			1.83
29	20.0	-3.0		.96001	595.8	.00459	.002014			2.27
30	18.0	-4.0		.96501	595.5	.00238	.001044	.00233	.001023	1.16
31	20.0	-4.0		.96556	595.1	.00366	.001606	.00366	.001606	1.76
32	20.0	-5.0		.96834	594.1	.00308	.001352	.00313	.001374	1.50
33	20.0	-6.0		.96612	590.8	.00260	.001141	.00260	.001141	1.31
34	20.0	-7.0		.96334	587.1	.00217	.000952	.00204	.000895	1.14
35	20.0	-8.0		.96612	589.8	.00236	.001036			1.16
36	20.0	-12.0		.96001	584.1	.00200	.000878			.95
37	14.0	5.0		.96779	591.8	.00238	.001044			1.10
38	14.0	6.0		.96168	586.5	.00231	.001014			1.05
39	32.0	8.0		.95446	582.1	.00218	.000957			1.03
40	32.0	10.0		.95835	588.8	.00305	.001339	.00308	.001352	1.41
41	32.0	12.0		.96834	589.5	.00200	.000878			.92
42	50.0	-8.0		.98944	596.5	.00075	.000329			.36
43	50.0	-5.0		.99500	599.5	.00065	.000285			.31
44	50.0	.0		1.00111	602.5	.00053	.000233			.25
45	50.0	6.0		.96168	588.5	.00255	.001119			1.19
46	58.0	.0		.98167	590.8	.00064	.000281			.30
47	58.0	6.0		.95002	585.8	.00321	.001409			1.45
48	58.0	12.0		.95779	581.5	.00154	.000676			.72
49	32.0	-7.0		.96334	598.8	.00393	.001725			2.06
50	32.0	-8.0		.95113	589.1	.00449	.001970	.00441	.001935	2.18
51	32.0	-10.0		.95168	587.1	.00380	.001668	.00379	.001663	1.86
52	32.0	-12.0		.95835	588.1	.00306	.001343			1.52
55	42.0	-9.0		.96168	605.5	.00377	.001655			1.85
57	42.0	-12.0		.96501	593.1	.00325	.001426			1.59
58	58.0	-5.0		.97889	593.5	.00137	.000601			.64
59	58.0	-8.0		.97612	590.5	.00125	.000549	.00125	.000549	
60	58.0	-12.0		.96223	590.8	.00301	.001321			1.45
85	6.0	.0		.95501	586.5	.00311	.001365			1.08
86	6.0	5.0		.95390	584.5	.00269	.001181			.84
87	6.0	10.0		.95057	581.5	.00224	.000983			.71
88	12.0	.0		.95724	587.8	.00261	.001145			1.03
89	12.0	5.0		.95279	584.1	.00278	.001220			1.02
90	12.0	10.0		.95446	586.1	.00304	.001334			1.07
91	18.0	.0		.95612	584.1	.00230	.001009			.97
92	30.0	.0		.95390	582.5	.00224	.000983			.99
93	42.0	.0		.95724	583.1	.00205	.000900			.97
101	1.8	.0	.5	.94724	585.8	.00394	.001729			
102	5.8	-2.5	1.3	.93002	586.5	.00654	.002870			
103	9.8	.0	2.6	.94946	587.5	.00394	.001729	.00395	.001734	
104	12.8	-5.8	1.9	.94724	602.1	.00835	.003665			
105	12.8	3.0	3.4	.94668	584.5	.00360	.001580	.00362	.001589	
106	16.3	-6.5	1.9	.94668	574.1	.00160	.000702			
107	16.3	3.0	3.9	.94946	576.1	.00107	.000470	.00108	.000474	
108	23.5	.0	3.9	.96390	584.1	.00141	.000619			
109	30.8	-6.5	1.9	.95335	582.8	.00244	.001071			
110	30.8	3.0	3.9	.94445	585.8	.00141	.000619	.00142	.000623	
112	35.8	-4.8	2.0	1.00943	607.5	.00036	.000158			
113	5.8	.0	1.5	.94169	583.8	.00398	.001747	.00400	.001755	
114	5.8	2.5	1.3	.92614	574.5	.00410	.001799			
115	9.8	4.7	1.9	.93669	585.5	.00331	.001453			
116	12.8	.0	3.4	.94779	586.1	.00371	.001628	.00373	.001637	
117	12.8	5.5	3.1	.93002	583.8	.00427	.001874			
118	12.8	5.8	1.9	.93613	581.8	.00391	.001716			
119	16.3	.0	3.9	.95612	577.5	.00104	.000456			
120	16.3	6.2	3.6	.94113	565.8	.00068	.000298			
121	16.3	6.5	1.9	.95446	573.8	.00060	.000263			
122	30.8	.0	3.9	.96612	585.8	.00157	.000689			
123	30.8	6.2	3.6	.96001	577.5	.00067	.000294			
124	30.8	6.5	1.9	.95002	577.8	.00168	.000737			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II. TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

3. Equipment Pod; $\alpha = 10^{0}$ - Continued

(d) M = 3.51; R = 3.95×10^{6}; $T_t = 716^{0}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{0}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94387	574.1	.00298	.000578			.95
2	2.0	.0		.94050	572.5	.00322	.000625			.99
3	2.0	12.0		.93882	570.1	.00303	.000588			.95
4	8.0	.0		.93208	567.8	.00324	.000629			.99
5	9.0	.0		.93321	568.1	.00327	.000635	.00331	.000642	1.00
6	10.0	.0		.93040	566.5	.00325	.000631	.00319	.000619	1.02
7	11.0	.0		.93265	567.8	.00324	.000629	.00329	.000638	.98
8	11.5	.0		.93208	567.5	.00324	.000629	.00322	.000625	.98
9	12.0	1.0		.93152	570.1	.00324	.000629	.00320	.000621	1.01
10	12.0	3.0		.93377	568.8	.00316	.000613	.00317	.000615	.95
11	12.0	5.0		.93377	568.5	.00321	.000623			.98
13	14.0	1.0		.94331	585.5	.00392	.000761			1.25
14	14.0	.0		.93601	574.1	.00361	.000701	.00342	.000664	1.13
15	14.0	-1.0		.93770	570.5	.00313	.000607	.00314	.000609	.95
16	14.0	-2.0		.93714	569.5	.00303	.000588	.00303	.000588	.95
17	13.0	-2.0		.93489	568.5	.00308	.000598			1.00
18	12.0	-3.0		.93601	569.1	.00319	.000619			1.01
19	14.0	-3.0		.93265	567.1	.00307	.000596	.00302	.000586	.96
20	14.0	-4.0		.93321	567.5	.00308	.000598	.00307	.000596	.96
21	16.0	-4.0		.93601	568.8	.00306	.000594	.00301	.000584	1.00
22	14.0	-6.0		.93601	569.5	.00312	.000605	.00314	.000609	.96
23	14.0	-8.0		.93489	568.5	.00304	.000590	.00304	.000590	.99
24	14.0	-12.0		.93882	570.8	.00298	.000578			.94
25	16.0	-8.0		.93657	569.5	.00320	.000621	.00322	.000625	1.01
26	18.0	-8.0		.93265	567.1	.00297	.000576	.00292	.000567	.98
27	16.0	-2.0		.93938	575.8	.00412	.000799	.00411	.000798	1.32
28	18.0	-2.0		.93601	583.8	.00655	.001271			1.97
29	20.0	-3.0		.92647	590.1	.00847	.001644			2.76
30	18.0	-4.0		.93938	576.1	.00495	.000961	.00492	.000955	1.63
31	20.0	-4.0		.93657	583.1	.00625	.001213	.00627	.001217	2.04
32	20.0	-5.0		.93882	580.8	.00534	.001036	.00538	.001044	1.74
33	20.0	-6.0		.93770	576.1	.00441	.000856	.00439	.000852	1.39
34	20.0	-7.0		.93657	572.5	.00381	.000739	.00367	.000712	1.28
35	20.0	-8.0		.94106	581.1	.00346	.000671			1.14
36	20.0	-12.0		.93770	570.8	.00303	.000588			.95
37	14.0	5.0		.94275	575.8	.00360	.000699			1.10
38	14.0	6.0		.93601	569.8	.00315	.000611			.99
39	32.0	8.0		.91918	563.5	.00413	.000801			1.25
40	32.0	10.0		.93433	578.1	.00539	.001046	.00550	.001067	1.65
41	32.0	12.0		.94443	574.8	.00328	.000636			1.03
42	50.0	-8.0		.98035	584.8	.00078	.000151			.25
43	50.0	-5.0		.98428	586.8	.00069	.000134			.23
44	50.0	.0		.99270	590.1	.00047	.000091			.15
45	50.0	6.0		.93770	572.8	.00356	.000691			1.16
46	58.0	.0		.95902	573.8	.00121	.000235			.39
47	58.0	6.0		.93265	570.1	.00381	.000739			1.21
48	58.0	12.0		.93208	565.1	.00268	.000520			.84
49	32.0	-7.0		.92872	596.1	.00818	.001587			2.65
50	32.0	-8.0		.92030	580.8	.00905	.001756	.00907	.001760	2.96
51	32.0	-10.0		.91469	568.8	.00645	.001252	.00639	.001240	2.11
52	32.0	-12.0		.91918	567.1	.00521	.001011			1.64
55	42.0	-9.0		.93994	588.5	.00627	.001217			2.07
57	42.0	-12.0		.94163	582.5	.00557	.001081			1.83
58	58.0	-5.0		.96576	579.8	.00138	.000268			.43
59	58.0	-8.0		.96520	580.1	.00162	.000314	.00163	.000316	
60	58.0	-12.0		.94106	575.5	.00399	.000774			1.33
85	6.0	.0		.93826	578.8	.00404	.000784			1.00
86	6.0	5.0		.93882	575.8	.00408	.000792			.95
87	6.0	10.0		.93489	572.5	.00409	.000794			.99
88	12.0	.0		.93714	578.8	.00348	.000675			.94
89	12.0	5.0		.93489	571.8	.00373	.000724			.99
90	12.0	10.0		.93714	572.5	.00370	.000718			.97
91	18.0	.0		.93770	572.5	.00341	.000662			.99
92	30.0	.0		.93489	570.1	.00334	.000648			.99
93	42.0	.0		.93770	570.5	.00303	.000588			1.00
101	1.8	.0	.5	.92254	581.1	.00640	.001242			
102	5.8	-2.5	1.3	.89729	591.5	.01305	.002532			
103	9.8	.0	2.6	.92367	587.1	.00759	.001473	.00760	.001475	
104	12.8	-5.8	1.9	.92759	620.8	.01831	.003553			
105	12.8	3.0	3.4	.92030	582.8	.00730	.001417	.00729	.001415	
106	16.3	-6.5	1.9	.92142	572.5	.00490	.000951			
107	16.3	3.0	3.9	.92198	558.5	.00238	.000462	.00240	.000466	
108	23.5	.0	3.9	.93377	565.8	.00227	.000440			
109	30.8	-6.5	1.9	.92479	567.5	.00427	.000829			
110	30.8	3.0	3.9	.93714	565.1	.00222	.000431	.00223	.000433	
112	35.8	-4.8	2.0	1.00112	594.5	.00030	.000058			
113	5.8	.0	1.5	.91525	583.1	.00844	.001638	.00795	.001543	
114	5.8	2.5	1.3	.89336	569.1	.00783	.001519			
115	9.8	4.7	1.9	.90346	568.1	.00618	.001199			
116	12.8	.0	3.4	.92423	586.1	.00735	.001426	.00739	.001434	
117	12.8	5.5	3.1	.91076	582.1	.00857	.001663			
118	12.8	5.8	1.9	.91244	576.1	.00707	.001372			
119	16.3	.0	3.9	.92928	564.5	.00243	.000472			
120	16.3	6.2	3.6	.91469	545.8	.00108	.000210			
121	16.3	6.5	1.9	.92759	552.1	.00070	.000136			
122	30.8	.0	3.9	.93938	565.8	.00195	.000378			
123	30.8	6.2	3.6	.93657	556.5	.00076	.000147			
124	30.8	6.5	1.9	.92759	561.1	.00205	.000398			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{0}R.

TABLE II. TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

3. Equipment Pod; $\alpha = 10^{o}$ - Continued

(e) M = 3.51; R = 2.77×10^{6}; $T_t = 712^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95318	573.5	.00219	.000610			.98
2	2.0	.0		.94979	571.5	.00235	.000655			1.01
3	2.0	12.0		.94753	569.8	.00223	.000621			.98
4	8.0	.0		.94020	565.8	.00238	.000663			1.02
5	9.0	.0		.94076	566.5	.00228	.000635	.00233	.000649	.98
6	10.0	.0		.93794	564.5	.00233	.000649	.00227	.000633	1.02
7	11.0	.0		.94020	565.8	.00238	.000663	.00243	.000677	1.03
8	11.5	.0		.94020	565.8	.00227	.000633	.00225	.000627	.98
9	12.0	1.0		.93964	565.8	.00227	.000633	.00226	.000630	.97
10	12.0	3.0		.94246	567.5	.00238	.000663	.00239	.000666	.97
11	12.0	5.0		.94133	566.8	.00229	.000638			.99
13	14.0	1.0		.95092	576.8	.00330	.000919			1.45
14	14.0	.0		.94359	569.5	.00263	.000733	.00250	.000697	1.21
15	14.0	-1.0		.94584	569.1	.00225	.000627	.00225	.000627	1.00
16	14.0	-2.0		.94528	568.5	.00222	.000619	.00223	.000621	1.00
17	13.0	-2.0		.94302	567.1	.00224	.000624			1.01
18	12.0	-3.0		.94415	567.8	.00225	.000627			1.01
19	14.0	-3.0		.94076	565.8	.00221	.000616	.00216	.000602	.99
20	14.0	-4.0		.94133	566.5	.00226	.000630	.00225	.000627	1.00
21	16.0	-4.0		.94471	568.1	.00223	.000621	.00219	.000610	1.05
22	14.0	-6.0		.94415	568.1	.00222	.000619	.00223	.000621	.97
23	14.0	-8.0		.94302	567.1	.00215	.000599	.00214	.000596	.97
24	14.0	-12.0		.94641	569.5	.00222	.000619			.99
25	16.0	-8.0		.94471	568.1	.00218	.000607	.00220	.000613	1.03
26	18.0	-8.0		.94133	566.1	.00221	.000616	.00216	.000602	1.00
27	16.0	-2.0		.94641	573.1	.00312	.000869	.00312	.000869	1.36
28	18.0	-2.0		.94189	585.5	.00480	.001337			2.19
29	20.0	-3.0		.93343	578.1	.00595	.001658			2.68
30	18.0	-4.0		.94697	572.8	.00292	.000814	.00292	.000814	1.33
31	20.0	-4.0		.94359	578.1	.00461	.001285	.00463	.001290	2.09
32	20.0	-5.0		.94697	577.1	.00384	.001070	.00390	.001087	1.79
33	20.0	-6.0		.94584	573.1	.00314	.000875	.00311	.000867	1.52
34	20.0	-7.0		.94471	570.5	.00274	.000763	.00264	.000736	1.26
35	20.0	-8.0		.94923	574.1	.00262	.000730			1.21
36	20.0	-12.0		.94584	569.1	.00222	.000619			1.00
37	14.0	5.0		.95035	574.1	.00273	.000761			1.17
38	14.0	6.0		.94415	568.5	.00232	.000646			1.00
39	32.0	8.0		.92835	562.5	.00302	.000841			1.30
40	32.0	10.0		.94076	574.1	.00395	.001101	.00402	.001120	1.72
41	32.0	12.0		.95205	573.1	.00231	.000644			1.00
42	50.0	-8.0		.98307	582.8	.00061	.000170			.29
43	50.0	-5.0		.99210	587.8	.00049	.000137			.23
44	50.0	.0		1.00000	591.5	.00030	.000084			.14
45	50.0	6.0		.94584	571.5	.00264	.000736			1.16
46	58.0	.0		.96784	576.1	.00094	.000262			.41
47	58.0	6.0		.94076	568.8	.00285	.000794			1.24
48	58.0	12.0		.94189	567.5	.00203	.000566			.91
49	32.0	-7.0		.93682	581.5	.00650	.001811			2.94
50	32.0	-8.0		.92553	575.1	.00672	.001872	.00670	.001867	3.04
51	32.0	-10.0		.92215	565.5	.00480	.001337	.00475	.001324	2.17
52	32.0	-12.0		.92779	565.1	.00390	.001087			1.76
55	42.0	-9.0		.94697	580.5	.00457	.001273			2.08
57	42.0	-12.0		.94866	579.1	.00406	.001131			1.98
58	58.0	-5.0		.97461	581.5	.00104	.000290			.46
59	58.0	-8.0		.97123	579.5	.00125	.000348	.00125	.000348	
60	58.0	-12.0		.94923	574.5	.00285	.000794			1.31
85	6.0	.0		.94471	572.8	.00316	.000880			1.03
86	6.0	5.0		.94528	573.5	.00322	.000897			.99
87	6.0	10.0		.94020	570.5	.00325	.000906			1.00
88	12.0	.0		.94415	573.1	.00277	.000772			1.03
89	12.0	5.0		.94133	569.5	.00285	.000794			1.00
90	12.0	10.0		.94302	570.5	.00286	.000797			.99
91	18.0	.0		.94415	569.8	.00273	.000761			1.06
92	30.0	.0		.94189	567.8	.00247	.000688			1.01
93	42.0	.0		.94528	568.5	.00218	.000607			.99
101	1.8	.0	.5	.92666	570.8	.00499	.001390			
102	5.8	-2.5	1.3	.90015	576.1	.01049	.002923			
103	9.8	.0	2.6	.92779	575.1	.00595	.001658	.00596	.001661	
104	12.8	-5.8	1.9	.92779	602.8	.01494	.004163			
105	12.8	3.0	3.4	.92441	575.5	.00534	.001488	.00534	.001488	
106	16.3	-6.5	1.9	.92497	562.1	.00285	.000794			
107	16.3	3.0	3.9	.93005	556.5	.00167	.000465	.00168	.000468	
108	23.5	.0	3.9	.94471	566.5	.00165	.000460			
109	30.8	-6.5	1.9	.93287	565.8	.00320	.000892			
110	30.8	3.0	3.9	.94866	566.8	.00146	.000407	.00147	.000410	
112	35.8	-4.8	2.0	1.00732	595.8	.00022	.000061			
113	5.8	.0	1.5	.91933	578.5	.00550	.001532	.00552	.001538	
114	5.8	2.5	1.3	.89902	565.5	.00532	.001482			
115	9.8	4.7	1.9	.91200	567.1	.00440	.001226			
116	12.8	.0	3.4	.92835	574.1	.00568	.001583	.00570	.001588	
117	12.8	5.5	3.1	.91425	569.8	.00682	.001900			
118	12.8	5.8	1.9	.91707	565.8	.00528	.001471			
119	16.3	.0	3.9	.93682	561.1	.00155	.000432			
120	16.3	6.2	3.6	.92384	547.1	.00069	.000192			
121	16.3	6.5	1.9	.93794	555.1	.00056	.000156			
122	30.8	.0	3.9	.95148	569.1	.00151	.000421			
123	30.8	6.2	3.6	.94866	560.1	.00043	.000120			
124	30.8	6.5	1.9	.93964	564.5	.00142	.000396			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in $Btu/ft^2\text{-}sec\text{-}^{o}R$.

TABLE II. TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

3. Equipment Pod; $\alpha = 10^{o}$ - Continued

(f) $M = 3.51$; $R = 1.62 \times 10^{6}$; $T_t = 705^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.96331	575.5	.00155	.000743			1.05
2	2.0	.0		.96049	575.1	.00149	.000714			.99
3	2.0	12.0		.95766	573.1	.00149	.000714			1.01
4	8.0	.0		.94920	568.5	.00151	.000724			.92
5	9.0	.0		.94976	567.5	.00143	.000686	.00147	.000705	.95
6	10.0	.0		.94694	565.8	.00158	.000758	.00152	.000729	.99
7	11.0	.0		.94920	567.5	.00147	.000705	.00152	.000729	.98
8	11.5	.0		.94920	567.1	.00141	.000676	.00139	.000666	.89
9	12.0	1.0		.94920	568.5	.00151	.000724	.00150	.000719	.92
10	12.0	3.0		.95202	569.1	.00148	.000710	.00149	.000714	.90
11	12.0	5.0		.95089	568.1	.00157	.000753			.99
13	14.0	1.0		.95823	578.1	.00215	.001031			1.45
14	14.0	.0		.95315	570.5	.00173	.000829	.00161	.000772	1.09
15	14.0	-1.0		.95541	570.5	.00145	.000695	.00146	.000700	.98
16	14.0	-2.0		.95484	570.1	.00137	.000657	.00142	.000681	.86
17	13.0	-2.0		.95202	568.5	.00140	.000671			.95
18	12.0	-3.0		.95315	569.1	.00140	.000671			.94
19	14.0	-3.0		.95033	567.5	.00140	.000671	.00134	.000642	.89
20	14.0	-4.0		.95033	567.8	.00142	.000681	.00142	.000681	.90
21	16.0	-4.0		.95428	569.8	.00144	.000690	.00143	.000686	.91
22	14.0	-6.0		.95315	569.5	.00141	.000676	.00142	.000681	.89
23	14.0	-8.0		.95202	569.8	.00150	.000719	.00149	.000714	.95
24	14.0	-12.0		.95541	570.5	.00137	.000657			.91
25	16.0	-8.0		.95428	569.8	.00156	.000748	.00158	.000758	1.06
26	18.0	-8.0		.95089	567.8	.00136	.000652	.00131	.000628	.93
27	16.0	-2.0		.95315	574.5	.00215	.001031	.00216	.001036	1.46
28	18.0	-2.0		.94750	573.5	.00312	.001496			2.20
29	20.0	-3.0		.94186	576.8	.00390	.001870			2.47
30	18.0	-4.0		.95371	570.8	.00156	.000748	.00157	.000753	.99
31	20.0	-4.0		.94976	574.1	.00285	.001366	.00283	.001357	2.02
32	20.0	-5.0		.95484	575.5	.00241	.001155	.00249	.001194	1.62
33	20.0	-6.0		.95484	572.8	.00197	.000944	.00195	.000935	1.40
34	20.0	-7.0		.95315	571.1	.00195	.000935	.00185	.000887	1.39
35	20.0	-8.0		.95823	575.1	.00179	.000858			1.13
36	20.0	-12.0		.95484	570.1	.00139	.000666			.88
37	14.0	5.0		.95879	574.8	.00165	.000791			1.09
38	14.0	6.0		.95371	569.8	.00146	.000700			.97
39	32.0	8.0		.93960	563.1	.00198	.000949			1.32
40	32.0	10.0		.94863	574.1	.00257	.001232	.00260	.001247	1.71
41	32.0	12.0		.96105	574.1	.00147	.000705			1.03
42	50.0	-8.0		.98476	582.8	.00040	.000192			.29
43	50.0	-5.0		.99661	589.5	.00032	.000153			.20
45	50.0	6.0		.95654	573.1	.00173	.000829			1.09
46	58.0	.0		.97347	578.5	.00077	.000369			.56
47	58.0	6.0		.95089	570.5	.00189	.000906			1.28
48	58.0	12.0		.95541	569.8	.00126	.000604			.91
49	32.0	-7.0		.94412	579.5	.00394	.001889			2.49
50	32.0	-8.0		.93170	569.1	.00439	.002105	.00432	.002071	2.99
51	32.0	-10.0		.93170	563.8	.00314	.001505	.00310	.001486	2.00
52	32.0	-12.0		.94073	566.8	.00246	.001179			1.56
55	42.0	-9.0		.95597	578.8	.00305	.001462			2.18
57	42.0	-12.0		.95654	577.1	.00269	.001290			1.94
58	58.0	-5.0		.98024	582.1	.00074	.000355			.52
59	58.0	-8.0		.97685	583.1	.00087	.000417	.00087	.000417	
60	58.0	-12.0		.96049	575.8	.00194	.000930			1.24
85	6.0	.0		.94976	571.8	.00240	.001151			.94
86	6.0	5.0		.94976	572.5	.00244	.001170			.88
87	6.0	10.0		.94468	569.1	.00244	.001170			.97
88	12.0	.0		.95033	570.1	.00197	.000944			.99
89	12.0	5.0		.94750	568.8	.00197	.000944			.96
90	12.0	10.0		.94863	569.8	.00204	.000978			.96
91	18.0	.0		.95089	569.5	.00174	.000834			.98
92	30.0	.0		.94976	568.5	.00166	.000796			.97
93	42.0	.0		.95315	569.5	.00140	.000671			.96
101	1.8	.0	.5	.93114	565.8	.00329	.001577			
102	5.8	-2.5	1.3	.90348	568.8	.00656	.003145			
103	9.8	.0	2.6	.93227	568.8	.00362	.001736	.00363	.001740	
104	12.8	-5.8	1.9	.92662	592.8	.00965	.004627			
105	12.8	3.0	3.4	.92944	568.5	.00355	.001702	.00356	.001707	
106	16.3	-6.5	1.9	.92549	553.1	.00146	.000700			
107	16.3	3.0	3.9	.93735	558.8	.00086	.000412	.00087	.000417	
108	23.5	.0	3.9	.95766	570.5	.00101	.000484			
109	30.8	-6.5	1.9	.94186	565.5	.00217	.001040			
110	30.8	3.0	3.9	.96105	572.1	.00090	.000431	.00091	.000436	
112	35.8	-4.8	2.0	1.00903	596.1	.00017	.000082			
113	5.8	.0	1.5	.92323	567.1	.00393	.001884	.00396	.001899	
114	5.8	2.5	1.3	.90630	556.1	.00370	.001774			
115	9.8	4.7	1.9	.92154	559.1	.00291	.001395			
116	12.8	.0	3.4	.93227	573.1	.00350	.001678	.00352	.001688	
117	12.8	5.5	3.1	.91759	565.1	.00427	.002047			
118	12.8	5.8	1.9	.92267	564.1	.00356	.001707			
119	16.3	.0	3.9	.94299	560.8	.00080	.000384			
120	16.3	6.2	3.6	.93057	550.5	.00046	.000221			
121	16.3	6.5	1.9	.94638	559.5	.00033	.000158			
122	30.8	.0	3.9	.96331	573.1	.00089	.000427			
123	30.8	6.2	3.6	.95936	566.1	.00030	.000144			
124	30.8	6.5	1.9	.95371	567.5	.00097	.000465			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II. TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

3. Equipment Pod; $\alpha = 10^{o}$ - Continued

(g) M = 4.44; R = 4.48 × 10^6; $T_t = 689^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.93846	573.8	.00174	.000441			.89
2	2.0	.0		.93790	574.1	.00195	.000495			.94
3	2.0	12.0		.93458	574.1	.00191	.000485			1.04
4	8.0	.0		.92959	567.8	.00190	.000482			.93
5	9.0	.0		.92959	571.8	.00191	.000485	.00203	.000515	.90
6	10.0	.0		.92681	566.5	.00211	.000535	.00201	.000510	.95
7	11.0	.0		.92959	569.1	.00197	.000500	.00204	.000518	.93
8	11.5	.0		.92959	568.1	.00205	.000520	.00209	.000530	.97
9	12.0	1.0		.92848	568.5	.00196	.000497	.00196	.000497	.92
10	12.0	3.0		.93069	568.8	.00210	.000533	.00212	.000538	1.03
11	12.0	5.0		.92848	567.8	.00190	.000482			.86
13	14.0	1.0		.93679	577.5	.00269	.000682			1.26
14	14.0	.0		.93291	570.8	.00229	.000581	.00211	.000535	1.13
15	14.0	-1.0		.93513	572.1	.00194	.000492	.00198	.000502	.92
16	14.0	-2.0		.93458	570.5	.00181	.000459	.00188	.000477	.93
17	13.0	-2.0		.93125	568.8	.00184	.000467			.92
18	12.0	-3.0		.93291	571.8	.00187	.000474			.88
19	14.0	-3.0		.92959	569.8	.00188	.000477	.00178	.000452	.94
20	14.0	-4.0		.92959	567.8	.00178	.000452	.00177	.000449	.89
21	16.0	-4.0		.93180	570.1	.00195	.000495	.00199	.000505	.99
22	14.0	-6.0		.93180	569.1	.00183	.000464	.00185	.000469	.86
23	14.0	-8.0		.92959	568.1	.00172	.000436	.00171	.000434	.81
24	14.0	-12.0		.93291	570.1	.00179	.000454			.90
25	16.0	-8.0		.93180	569.1	.00174	.000441	.00177	.000449	.87
26	18.0	-8.0		.92792	566.8	.00172	.000436	.00164	.000416	.82
27	16.0	-2.0		.93402	574.5	.00283	.000718	.00286	.000726	1.46
28	18.0	-2.0		.92349	575.1	.00434	.001101			2.73
29	20.0	-3.0		.91295	573.1	.00554	.001405			2.78
31	20.0	-4.0		.92571	575.8	.00433	.001099	.00439	.001114	2.21
32	20.0	-5.0		.93180	576.5	.00364	.000923	.00378	.000959	1.84
33	20.0	-6.0		.93180	573.8	.00283	.000718	.00283	.000718	1.54
34	20.0	-7.0		.93014	572.5	.00267	.000677	.00246	.000624	1.27
35	20.0	-8.0		.93568	575.5	.00225	.000571			1.20
36	20.0	-12.0		.93180	570.8	.00178	.000452			.84
37	14.0	5.0		.93568	576.8	.00199	.000505			.99
38	14.0	6.0		.93125	569.5	.00189	.000479			.89
39	32.0	8.0		.90741	559.5	.00289	.000733			1.51
40	32.0	10.0		.92293	571.5	.00354	.000898	.00363	.000921	1.88
41	32.0	12.0		.93679	573.1	.00211	.000535			1.16
42	50.0	-8.0		.97061	584.8	.00048	.000122			.27
43	50.0	-5.0		.97948	590.5	.00049	.000124			.28
44	50.0	.0		.98225	592.8	.00053	.000134			.28
45	50.0	6.0		.93347	571.1	.00216	.000548			1.21
46	58.0	.0		.94954	573.8	.00070	.000178			.39
47	58.0	6.0		.91406	569.1	.00394	.001000			2.20
48	58.0	12.0		.92848	566.1	.00160	.000406			.89
49	32.0	-7.0		.91683	577.1	.00547	.001388			2.75
50	32.0	-8.0		.90741	574.1	.00685	.001738	.00704	.001786	3.53
51	32.0	-10.0		.89688	557.5	.00401	.001017	.00385	.000977	2.02
52	32.0	-12.0		.90187	557.1	.00333	.000845			1.67
55	42.0	-9.0		.92959	577.5	.00387	.000982			1.97
57	42.0	-12.0		.92737	574.8	.00344	.000873			1.86
58	58.0	-5.0		.96950	585.8	.00061	.000155			.34
59	58.0	-8.0		.96396	584.1	.00078	.000198	.00080	.000203	
60	58.0	-12.0		.93236	573.5	.00257	.000652			1.47
85	6.0	.0		.93180	572.8	.00276	.000700			.98
86	6.0	5.0		.93236	573.5	.00257	.000652			.94
87	6.0	10.0		.92737	571.8	.00254	.000644			.87
88	12.0	.0		.93125	570.8	.00224	.000568			.90
89	12.0	5.0		.92903	570.1	.00239	.000606			.96
90	12.0	10.0		.93014	572.1	.00239	.000606			.94
91	18.0	.0		.93180	570.5	.00225	.000571			1.04
92	30.0	.0		.92959	568.5	.00212	.000538			.95
93	42.0	.0		.93291	569.5	.00182	.000462			.91
101	1.8	.0	.5	.90963	569.8	.00423	.001073			
102	5.8	-2.5	1.3	.87803	566.8	.00952	.002415			
103	9.8	.0	2.6	.91129	574.1	.00562	.001426	.00565	.001433	
104	12.8	-5.8	1.9	.90963	596.1	.01489	.003778			
105	12.8	3.0	3.4	.90963	571.5	.00513	.001301	.00513	.001301	
106	16.3	-6.5	1.9	.90741	560.5	.00303	.000769			
107	16.3	3.0	3.9	.91517	558.5	.00133	.000337	.00134	.000340	
108	23.5	.0	3.9	.93291	566.5	.00129	.000327			
109	30.8	-6.5	1.9	.92460	568.8	.00249	.000632			
110	30.8	3.0	3.9	.93735	567.8	.00106	.000269	.00105	.000266	
112	35.8	-4.8	2.0	.98392	594.1	.00047	.000119			
113	5.8	.0	1.5	.89965	568.1	.00607	.001540	.00616	.001563	
114	5.8	2.5	1.3	.87803	553.5	.00564	.001431			
115	9.8	4.7	1.9	.89189	555.8	.00394	.001000			
116	12.8	.0	3.4	.91295	574.1	.00567	.001438	.00572	.001451	
117	12.8	5.5	3.1	.90297	570.1	.00591	.001499			
118	12.8	5.8	1.9	.90408	565.5	.00461	.001170			
119	16.3	.0	3.9	.92238	559.8	.00120	.000304			
120	16.3	6.2	3.6	.91240	548.8	.00060	.000152			
121	16.3	6.5	1.9	.92349	555.1	.00042	.000107			
122	30.8	.0	3.9	.94012	568.8	.00103	.000261			
124	30.8	6.5	1.9	.94234	569.8	.00076	.000193			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II. TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

3. Equipment Pod; $\alpha = 10^{o}$ - Continued

(h) $M = 4.44$; $R = 3.19 \times 10^{6}$; $T_t = 681^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94657	574.5	.00135	.000484			.91
2	2.0	.0		.94601	572.5	.00149	.000534			1.01
3	2.0	12.0		.94211	572.5	.00137	.000491			1.01
4	8.0	.0		.93655	566.8	.00151	.000541			.92
5	9.0	.0		.93710	566.8	.00145	.000520	.00151	.000541	.90
6	10.0	.0		.93432	566.8	.00142	.000509	.00125	.000448	.86
7	11.0	.0		.93710	566.8	.00136	.000487	.00150	.000538	.83
8	11.5	.0		.93710	568.5	.00136	.000487	.00135	.000484	.91
9	12.0	1.0		.93599	567.8	.00136	.000487	.00135	.000484	.91
10	12.0	3.0		.93766	567.5	.00137	.000491	.00146	.000523	.83
11	12.0	5.0		.93599	568.1	.00137	.000491			.90
13	14.0	1.0		.94323	573.5	.00177	.000634			1.18
14	14.0	.0		.93989	569.1	.00165	.000591	.00151	.000541	1.11
15	14.0	-1.0		.94323	571.8	.00134	.000480	.00137	.000491	.90
16	14.0	-2.0		.94211	569.5	.00135	.000484	.00150	.000538	.85
17	13.0	-2.0		.93877	569.5	.00135	.000484			.91
18	12.0	-3.0		.93989	568.5	.00145	.000520			.91
19	14.0	-3.0		.93655	567.5	.00148	.000530	.00138	.000495	.99
20	14.0	-4.0		.93655	568.5	.00137	.000491	.00136	.000487	.99
21	16.0	-4.0		.93933	569.8	.00135	.000484	.00133	.000477	.98
22	14.0	-6.0		.93933	568.1	.00145	.000520	.00147	.000527	1.04
23	14.0	-8.0		.93766	568.5	.00135	.000484	.00134	.000480	.98
24	14.0	-12.0		.94044	571.5	.00141	.000505			.95
25	16.0	-8.0		.93933	568.8	.00129	.000462	.00132	.000473	.87
26	18.0	-8.0		.93543	566.5	.00130	.000466	.00123	.000441	.90
27	16.0	-2.0		.93933	574.1	.00201	.000720	.00204	.000731	1.45
28	18.0	-2.0		.92820	569.8	.00336	.001204			2.17
29	20.0	-3.0		.91874	567.8	.00423	.001516			3.04
31	20.0	-4.0		.93098	570.8	.00308	.001104	.00310	.001111	2.07
32	20.0	-5.0		.93822	573.1	.00254	.000910	.00268	.000960	1.75
33	20.0	-6.0		.93822	571.1	.00220	.000788	.00219	.000785	1.52
34	20.0	-7.0		.93710	569.5	.00181	.000649	.00168	.000602	1.36
35	20.0	-8.0		.94323	575.8	.00168	.000602			1.16
36	20.0	-12.0		.93989	570.1	.00135	.000484			.91
37	14.0	5.0		.94267	571.5	.00157	.000563			1.11
38	14.0	6.0		.93877	570.8	.00142	.000509			1.01
39	32.0	8.0		.91540	561.1	.00201	.000720			1.43
40	32.0	10.0		.92931	568.1	.00272	.000975	.00277	.000993	1.99
41	32.0	12.0		.94378	571.8	.00153	.000548			1.20
44	50.0	.0		.98497	590.8	.00040	.000143			.28
45	50.0	6.0		.94267	571.1	.00150	.000538			1.12
46	58.0	.0		.95658	573.8	.00050	.000179			.39
47	58.0	6.0		.92152	565.5	.00288	.001032			2.15
48	58.0	12.0		.93877	567.1	.00108	.000387			.92
49	32.0	-7.0		.92208	573.8	.00427	.001530			3.07
50	32.0	-8.0		.91095	566.8	.00509	.001824	.00512	.001835	3.69
51	32.0	-10.0		.90371	554.1	.00318	.001140	.00307	.001100	2.30
52	32.0	-12.0		.91095	555.8	.00248	.000889			1.60
55	42.0	-9.0		.93599	574.1	.00290	.001039			2.10
57	42.0	-12.0		.93432	571.8	.00272	.000975			1.85
58	58.0	-5.0		.97272	584.1	.00050	.000179			.36
59	58.0	-8.0		.96716	583.5	.00067	.000240	.00068	.000244	
60	58.0	-12.0		.93989	573.8	.00185	.000663			1.40
85	6.0	.0		.93710	569.8	.00207	.000742			.96
86	6.0	5.0		.93710	572.8	.00202	.000724			.97
87	6.0	10.0		.93154	569.8	.00200	.000717			.98
88	12.0	.0		.93710	568.8	.00198	.000710			1.09
89	12.0	5.0		.93432	567.5	.00172	.000616			.99
90	12.0	10.0		.93543	570.5	.00176	.000631			.98
91	18.0	.0		.93766	568.1	.00153	.000548			.89
92	30.0	.0		.93655	566.8	.00149	.000534			.89
93	42.0	.0		.93989	569.1	.00147	.000527			.99
101	1.8	.0	.5	.91317	561.8	.00325	.001165			
102	5.8	-2.5	1.3	.88089	558.1	.00756	.002709			
103	9.8	.0	2.6	.91484	567.1	.00420	.001505	.00422	.001512	
104	12.8	-5.8	1.9	.90816	585.5	.01142	.004092			
105	12.8	3.0	3.4	.91373	565.1	.00386	.001383	.00386	.001383	
106	16.3	-6.5	1.9	.90705	551.5	.00207	.000742			
107	16.3	3.0	3.9	.92041	554.5	.00090	.000323	.00091	.000326	
108	23.5	.0	3.9	.94156	566.5	.00077	.000276			
109	30.8	-6.5	1.9	.93154	568.5	.00186	.000667			
110	30.8	3.0	3.9	.94601	568.5	.00063	.000226	.00062	.000222	
112	35.8	-4.8	2.0	.98608	592.1	.00039	.000140			
113	5.8	.0	1.5	.90315	560.8	.00434	.001555	.00442	.001584	
114	5.8	2.5	1.3	.88312	547.8	.00402	.001441			
115	9.8	4.7	1.9	.89926	552.8	.00294	.001054			
116	12.8	.0	3.4	.91651	567.1	.00412	.001476	.00415	.001487	
117	12.8	5.5	3.1	.90594	562.8	.00421	.001509			
118	12.8	5.8	1.9	.90872	560.1	.00333	.001193			
119	16.3	.0	3.9	.92709	557.8	.00088	.000315			
121	16.3	6.5	1.9	.92876	555.5	.00032	.000115			
122	30.8	.0	3.9	.94879	570.5	.00076	.000272			
124	30.8	6.5	1.9	.94935	570.1	.00076	.000272			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

3. Equipment Pod; $\alpha = 10^{\circ}$ - Concluded

(i) M = 4.44; $R = 2.15 \times 10^6$; $T_t = 676^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95515	572.5	.00095	.000510			.90
2	2.0	.0		.95459	573.8	.00101	.000543			.86
3	2.0	12.0		.95066	570.5	.00100	.000537			.86
4	8.0	.0		.94449	565.1	.00113	.000607			1.12
5	9.0	.0		.94505	565.5	.00112	.000602	.00118	.000634	1.06
6	10.0	.0		.94225	565.5	.00109	.000586	.00089	.000478	1.08
7	11.0	.0		.94505	565.5	.00110	.000591	.00117	.000629	1.10
8	11.5	.0		.94505	565.5	.00112	.000602	.00110	.000591	1.11
9	12.0	1.0		.94393	565.5	.00095	.000510	.00094	.000505	.94
10	12.0	3.0		.94618	566.8	.00095	.000510	.00097	.000521	.93
11	12.0	5.0		.94449	565.8	.00095	.000510			.90
13	14.0	1.0		.95066	572.8	.00146	.000784			1.45
14	14.0	.0		.94786	567.8	.00116	.000623	.00101	.000543	1.15
15	14.0	-1.0		.95122	568.8	.00107	.000575	.00112	.000602	.94
16	14.0	-2.0		.95066	568.8	.00094	.000505	.00107	.000575	.94
17	13.0	-2.0		.94674	566.5	.00106	.000570			1.06
18	12.0	-3.0		.94842	567.1	.00085	.000457			.81
19	14.0	-3.0		.94449	566.1	.00107	.000575	.00087	.000467	1.06
20	14.0	-4.0		.94505	565.5	.00110	.000591	.00110	.000591	1.10
21	16.0	-4.0		.94786	566.8	.00094	.000505	.00088	.000473	.94
22	14.0	-6.0		.94730	567.5	.00095	.000510	.00097	.000521	.83
24	14.0	-12.0		.94842	567.5	.00106	.000570			1.19
25	16.0	-8.0		.94786	568.5	.00094	.000505	.00093	.000500	.94
26	18.0	-8.0		.94449	564.8	.00084	.000451	.00077	.000414	.84
27	16.0	-2.0		.94618	570.5	.00147	.000790	.00151	.000811	1.47
28	18.0	-2.0		.93384	564.5	.00245	.001316			2.04
29	20.0	-3.0		.92599	565.1	.00299	.001606			2.85
31	20.0	-4.0		.93552	567.1	.00225	.001209	.00216	.001161	2.23
32	20.0	-5.0		.94337	569.1	.00193	.001037	.00214	.001150	1.93
33	20.0	-6.0		.94449	569.1	.00147	.000790	.00147	.000790	1.47
34	20.0	-7.0		.94449	566.8	.00129	.000693	.00114	.000613	1.45
35	20.0	-8.0		.95122	571.1	.00147	.000790			1.65
36	20.0	-12.0		.94842	569.5	.00091	.000489			.87
37	14.0	5.0		.95066	569.5	.00113	.000607			1.06
38	14.0	6.0		.94730	566.8	.00106	.000570			1.04
39	32.0	8.0		.92487	556.1	.00141	.000758			1.40
40	32.0	10.0		.93665	564.1	.00181	.000972	.00184	.000989	1.79
41	32.0	12.0		.95178	570.5	.00095	.000510			.94
44	50.0	.0		.98878	588.5	.00032	.000172			.38
45	50.0	6.0		.95290	571.1	.00113	.000607			1.13
47	58.0	6.0		.93328	563.1	.00195	.001048			2.19
48	58.0	12.0		.95066	568.5	.00075	.000403			.88
49	32.0	-7.0		.92543	564.1	.00327	.001757			3.27
50	32.0	-8.0		.91310	557.5	.00373	.002004	.00365	.001961	4.19
51	32.0	-10.0		.91142	550.1	.00230	.001236	.00216	.001161	2.30
52	32.0	-12.0		.92207	555.1	.00183	.000983			1.83
55	42.0	-9.0		.94505	570.8	.00220	.001182			2.20
57	42.0	-12.0		.94281	568.1	.00185	.000994			2.10
59	58.0	-8.0		.96916	578.5	.00066	.000355	.00067	.000360	
60	58.0	-12.0		.95010	570.8	.00136	.000731			1.68
85	6.0	.0		.94281	566.8	.00170	.000913			1.01
86	6.0	5.0		.94281	567.1	.00170	.000913			1.04
87	6.0	10.0		.93777	565.5	.00170	.000913			.74
88	12.0	.0		.94393	566.8	.00137	.000736			1.03
89	12.0	5.0		.94057	565.1	.00138	.000741			.94
90	12.0	10.0		.94225	566.5	.00150	.000806			1.01
91	18.0	.0		.94449	565.8	.00123	.000661			.90
92	30.0	.0		.94337	564.8	.00117	.000629			.98
93	42.0	.0		.94730	566.8	.00106	.000570			1.00
101	1.8	.0	.5	.91871	557.5	.00262	.001408			
102	5.8	-2.5	1.3	.88283	547.1	.00613	.003294			
103	9.8	.0	2.6	.91758	558.8	.00346	.001859	.00348	.001870	
104	12.8	-5.8	1.9	.90413	570.5	.00946	.005083			
105	12.8	3.0	3.4	.91702	557.1	.00316	.001698	.00317	.001703	
106	16.3	-6.5	1.9	.90637	543.5	.00120	.000645			
107	16.3	3.0	3.9	.92543	551.5	.00058	.000312	.00059	.000317	
108	23.5	.0	3.9	.95066	566.8	.00082	.000441			
109	30.8	-6.5	1.9	.93889	565.8	.00139	.000747			
110	30.8	3.0	3.9	.95571	569.5	.00062	.000333	.00061	.000328	
112	35.8	-4.8	2.0	.99103	590.1	.00027	.000145			
113	5.8	.0	1.5	.90581	552.5	.00345	.001854	.00353	.001897	
114	5.8	2.5	1.3	.88843	540.8	.00321	.001725			
115	9.8	4.7	1.9	.90693	549.8	.00219	.001177			
116	12.8	.0	3.4	.91927	558.8	.00340	.001827	.00341	.001832	
117	12.8	5.5	3.1	.90749	553.5	.00356	.001913			
118	12.8	5.8	1.9	.91254	553.5	.00301	.001617			
119	16.3	.0	3.9	.93048	554.1	.00055	.000296			
121	16.3	6.5	1.9	.93552	555.5	.00028	.000150			
122	30.8	.0	3.9	.95739	570.1	.00053	.000285			
123	30.8	6.2	3.6	.96075	570.1	.00023	.000124			
124	30.8	6.5	1.9	.95963	571.1	.00046	.000247			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

4. Engine Fairing; $\alpha = 0^{o}$

(a) M = 2.65; R = 2.91×10^{6}; $T_t = 713^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94152	585.8	.00544	.000769			.99
2	2.0	.0		.94152	587.1	.00553	.000782			.96
3	2.0	12.0		.93987	586.8	.00561	.000793			.97
4	8.0	.0		.93600	583.8	.00561	.000793			.98
5	9.0	.0		.93600	584.1	.00569	.000804	.00570	.000806	.98
6	10.0	.0		.93600	583.8	.00556	.000786	.00552	.000780	.96
7	11.0	.0		.93876	585.1	.00556	.000786	.00567	.000801	.96
8	11.5	.0		.93711	584.1	.00557	.000787	.00561	.000793	.98
9	12.0	1.0		.93656	584.1	.00563	.000796	.00562	.000794	.97
10	12.0	3.0		.93711	585.5	.00576	.000814	.00576	.000814	.98
11	12.0	5.0		.93876	586.5	.00577	.000816			.98
12	14.0	4.0		.93931	586.1	.00561	.000793	.00561	.000793	.97
13	14.0	1.0		.94097	587.5	.00565	.000799			.98
15	14.0	-1.0		.94428	589.1	.00585	.000827			1.04
16	14.0	-2.0		.94207	586.5	.00538	.000760	.00538	.000760	.97
17	13.0	-2.0		.94042	585.8	.00532	.000752			.97
18	12.0	-3.0		.93931	584.8	.00550	.000777			.98
19	14.0	-3.0		.93711	584.1	.00552	.000780	.00547	.000773	.98
20	14.0	-4.0		.93656	583.8	.00546	.000772	.00544	.000769	.97
21	16.0	-4.0		.93711	583.5	.00532	.000752	.00530	.000749	.97
22	14.0	-6.0		.93931	585.5	.00549	.000776	.00552	.000780	.95
23	14.0	-8.0		.93711	583.5	.00547	.000773	.00546	.000772	.99
24	14.0	-12.0		.94042	585.1	.00537	.000759			.97
25	16.0	-8.0		.93931	584.8	.00538	.000760	.00541	.000765	.96
26	18.0	-8.0		.93435	581.5	.00535	.000756	.00531	.000751	.99
27	16.0	-2.0		.94207	587.5	.00559	.000790	.00559	.000790	1.00
28	18.0	-2.0		.94373	588.8	.00561	.000793	.00561	.000793	1.01
29	20.0	-3.0		.94152	586.8	.00537	.000759	.00544	.000769	.99
30	18.0	-4.0		.93876	584.5	.00530	.000749	.00528	.000746	1.00
31	20.0	-4.0		.94097	586.5	.00552	.000780	.00554	.000783	1.01
32	20.0	-5.0		.93987	585.5	.00546	.000772	.00546	.000772	1.01
33	20.0	-6.0		.93876	584.1	.00535	.000756	.00536	.000758	.98
34	20.0	-7.0		.93711	599.8	.00501	.000708	.00487	.000688	.94
35	20.0	-8.0		.94097	585.1	.00524	.000741			.97
36	20.0	-12.0		.93931	584.5	.00535	.000756			.97
37	14.0	5.0		.93876	586.5	.00572	.000809	.00573	.000810	.98
38	14.0	6.0		.93821	586.5	.00578	.000817			.98
39	32.0	8.0		.93987	587.1	.00559	.000790	.00559	.000790	1.01
40	32.0	10.0		.93545	584.5	.00570	.000806	.00569	.000804	1.00
41	32.0	12.0		.93656	584.1	.00539	.000762			.97
42	50.0	-8.0		.95090	591.1	.00503	.000711			.91
43	50.0	-5.0		.94924	589.5	.00471	.000666			.84
44	50.0	.0		.97572	593.1	.00126	.000178			.23
45	50.0	6.0		.94428	592.1	.00648	.000916			1.16
46	58.0	.0		.96745	590.5	.00181	.000256			.32
47	58.0	6.0		.93821	587.1	.00616	.000871			1.05
48	58.0	12.0		.94373	589.1	.00549	.000776			.94
73	14.0	2.0		.93766	585.8	.00574	.000811			.99
78	20.0	-2.0		.94704	590.5	.00544	.000769	.00566	.000800	.99
79	32.0	-4.0		.95145	592.5	.00527	.000745			1.00
80	32.0	-5.0		.94318	587.5	.00529	.000748			.98
81	32.0	4.0		.94924	591.5	.00546	.000772			1.01
82	32.0	6.0		.94538	589.8	.00535	.000756	.00536	.000758	.97
83	42.0	-5.0		.94814	594.5	.00639	.000903			1.25
84	42.0	-6.0		.95145	592.1	.00525	.000742			1.02
85	6.0	.0		.94593	593.1	.00638	.000902			.96
86	6.0	5.0		.94593	594.1	.00659	.000932			.96
87	6.0	10.0		.94593	594.1	.00648	.000916			.96
88	12.0	.0		.94318	590.1	.00591	.000835			.96
89	12.0	5.0		.94207	590.1	.00606	.000857			.97
90	12.0	10.0		.94262	591.1	.00608	.000859			.95
91	18.0	.0		.94207	588.5	.00569	.000804			.98
92	30.0	.0		.94152	588.1	.00565	.000799			.95
93	42.0	.0		.94262	587.1	.00520	.000735			.97
201	2.0	.0	.3	.93104	590.1	.00893	.001262			
202	6.0	.0	.8	.93159	588.8	.00794	.001122	.00794	.001122	
203	10.0	.9	.9	.93435	591.1	.00818	.001156			
204	14.0	.0	1.8	.93821	592.8	.00786	.001111	.00787	.001112	
205	18.0	2.1	1.0	.94207	598.1	.00708	.001001			
206	22.9	.0	2.0	.99669	610.1	.00197	.000278			
207	27.3	1.9	1.8	.96745	598.5	.00326	.000461			
208	27.3	-1.9	1.8	.97076	595.1	.00216	.000305			
209	35.0	4.2	2.0	.94428	593.8	.00678	.000958			
210	36.0	3.0	2.0	.98896	602.8	.00127	.000180			
211	36.0	.0	2.0	.99117	603.1	.00137	.000194			
212	36.0	-3.0	2.0	.98565	598.5	.00100	.000141			
213	10.0	.0	1.3	.93214	592.8	.00738	.001043	.00729	.001030	
214	10.0	-.9	.9	.93545	594.5	.00732	.001035			
215	18.0	.0	2.4	.95366	589.1	.00424	.000599	.00420	.000594	
216	18.0	-2.1	1.0	.93931	596.8	.00728	.001029			
217	23.8	.0	1.5	.99724	610.5	.00226	.000319			
218	27.2	.0	.6	.97683	607.8	.00326	.000461			
219	30.2	.0	2.0	.96524	600.8	.00491	.000694			
220	30.5	.0	2.9	.97131	615.5	.00704	.000995			
221	30.5	1.0	2.9	.96855	616.8	.00784	.001108			
222	33.0	.0	4.3	.93159	589.1	.00797	.001127			
223	35.0	.0	4.6	.93711	592.5	.00790	.001117			
224	35.0	-4.2	2.0	.94538	595.8	.00726	.001026			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

4. Engine Fairing; $\alpha = 0^{o}$ - Continued

(b) M = 2.65; R = 2.50×10^{6}; $T_t = 712^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95052	582.1	.00374	.000828			.97
2	2.0	.0		.94885	582.5	.00390	.000864			1.01
3	2.0	12.0		.94829	582.1	.00390	.000864			1.01
4	8.0	.0		.94218	578.5	.00391	.000866			1.00
5	9.0	.0		.94273	578.5	.00394	.000872	.00395	.000875	1.01
6	10.0	.0		.94218	578.1	.00393	.000870	.00389	.000861	1.01
7	11.0	.0		.94440	579.5	.00392	.000868	.00401	.000888	1.00
8	11.5	.0		.94273	578.5	.00394	.000872	.00395	.000875	1.01
9	12.0	1.0		.94218	578.5	.00393	.000870	.00392	.000868	1.02
10	12.0	3.0		.94329	579.5	.00399	.000883	.00399	.000883	1.01
11	12.0	5.0		.94440	580.1	.00401	.000888			1.02
12	14.0	4.0		.94496	580.1	.00391	.000866	.00391	.000866	.98
13	14.0	1.0		.94662	581.1	.00386	.000855			1.02
15	14.0	-1.0		.94996	585.8	.00396	.000877			1.04
16	14.0	-2.0		.94885	581.5	.00364	.000806	.00368	.000815	.98
17	13.0	-2.0		.94662	580.5	.00383	.000848			1.02
18	12.0	-3.0		.94551	579.8	.00385	.000852			1.02
19	14.0	-3.0		.94329	578.8	.00386	.000855	.00381	.000844	1.02
20	14.0	-4.0		.94329	578.5	.00386	.000855	.00384	.000850	1.03
21	16.0	-4.0		.94384	578.5	.00368	.000815	.00365	.000808	.99
22	14.0	-6.0		.94551	579.8	.00392	.000868	.00393	.000870	1.03
23	14.0	-8.0		.94384	578.1	.00376	.000833	.00375	.000830	1.00
24	14.0	-12.0		.94774	580.5	.00380	.000841			1.03
25	16.0	-8.0		.94607	579.5	.00375	.000830	.00378	.000837	1.01
26	18.0	-8.0		.94051	576.5	.00365	.000808	.00361	.000799	1.01
27	16.0	-2.0		.94885	582.5	.00397	.000879	.00397	.000879	1.04
28	18.0	-2.0		.95107	583.5	.00377	.000835	.00376	.000833	1.01
29	20.0	-3.0		.94885	581.8	.00369	.000817	.00358	.000793	1.02
30	18.0	-4.0		.94551	579.8	.00381	.000844	.00380	.000841	1.06
31	20.0	-4.0		.94774	581.5	.00385	.000852	.00387	.000857	1.08
32	20.0	-5.0		.94607	580.1	.00369	.000817	.00368	.000815	.99
33	20.0	-6.0		.94496	579.1	.00370	.000819	.00370	.000819	1.01
34	20.0	-7.0		.94384	577.8	.00394	.000872	.00387	.000857	1.10
35	20.0	-8.0		.94774	580.5	.00360	.000797			1.01
36	20.0	-12.0		.94607	579.8	.00382	.000846			1.04
37	14.0	5.0		.94440	580.1	.00392	.000868	.00393	.000870	1.00
38	14.0	6.0		.94384	579.8	.00399	.000883			.99
39	32.0	8.0		.94551	580.8	.00400	.000886	.00400	.000886	1.05
40	32.0	10.0		.94162	578.5	.00397	.000879	.00396	.000877	1.03
41	32.0	12.0		.94329	578.8	.00383	.000848			1.02
42	50.0	-8.0		.95774	586.1	.00350	.000775			.93
43	50.0	-5.0		.95830	587.1	.00372	.000824			1.00
44	50.0	.0		.99388	597.8	.00084	.000186			.23
45	50.0	6.0		.95218	587.1	.00462	.001023			1.27
46	58.0	.0		.98276	595.1	.00120	.000266			.32
47	58.0	6.0		.94496	582.5	.00455	.001007			1.11
48	58.0	12.0		.94940	582.5	.00379	.000839			.96
73	14.0	2.0		.94384	579.5	.00397	.000879			1.02
78	20.0	-2.0		.95552	585.8	.00371	.000821	.00378	.000837	.98
79	32.0	-4.0		.95830	587.5	.00367	.000813			1.03
80	32.0	-5.0		.94885	581.8	.00367	.000813			.98
81	32.0	4.0		.95608	586.5	.00381	.000844			1.02
82	32.0	6.0		.95163	583.8	.00368	.000815	.00368	.000815	1.02
83	42.0	-5.0		.95496	589.5	.00460	.001019			1.33
84	42.0	-6.0		.95774	587.1	.00365	.000808			1.03
85	6.0	.0		.95107	586.5	.00466	.001032			1.02
86	6.0	5.0		.95107	587.8	.00483	.001069			.99
87	6.0	10.0		.95052	587.1	.00474	.001050			1.01
88	12.0	.0		.94940	584.1	.00425	.000941			1.01
89	12.0	5.0		.94718	583.8	.00438	.000970			.99
90	12.0	10.0		.94774	584.5	.00455	.001007			1.04
91	18.0	.0		.94718	582.1	.00410	.000908			1.04
92	30.0	.0		.94662	581.8	.00422	.000934			1.07
93	42.0	.0		.94829	581.5	.00364	.000806			1.03
201	2.0	.0	.3	.93161	582.5	.00587	.001300			
202	6.0	.0	.8	.93717	585.5	.00555	.001229	.00556	.001231	
203	10.0	.9	.9	.94162	588.8	.00556	.001231			
204	14.0	.0	1.8	.94440	589.8	.00537	.001189	.00538	.001191	
205	18.0	2.1	1.0	.95052	588.5	.00534	.001182			
207	27.3	1.9	1.8	.97498	596.1	.00225	.000498			
208	27.3	-1.9	1.8	.97887	593.8	.00147	.000325			
209	35.0	4.2	2.0	.95163	591.5	.00479	.001061			
210	36.0	3.0	2.0	1.00333	603.8	.00082	.000182			
211	36.0	.0	2.0	1.00667	606.5	.00086	.000190			
212	36.0	-3.0	2.0	.99944	601.1	.00065	.000144			
213	10.0	.0	1.3	.93829	585.5	.00537	.001189	.00527	.001167	
214	10.0	-.9	.9	.94273	583.8	.00540	.001196			
215	18.0	.0	2.4	.95941	584.8	.00307	.000680	.00303	.000671	
216	18.0	-2.1	1.0	.94774	595.8	.00457	.001012			
217	23.8	.0	1.5	1.00667	608.5	.00152	.000337			
218	27.2	.0	.6	.98776	601.1	.00227	.000503			
219	30.2	.0	2.0	.97053	594.8	.00369	.000817			
220	30.5	.0	2.9	.97442	602.5	.00501	.001109			
221	30.5	1.0	2.9	.97053	602.8	.00610	.001351			
222	33.0	.0	4.3	.93829	582.8	.00593	.001313			
223	35.0	.0	4.6	.94496	590.5	.00551	.001220			
224	35.0	-4.2	2.0	.95274	593.1	.00497	.001100			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

4. Engine Fairing; $\alpha = 0^{o}$ - Continued

(c) M = 2.65; R = 1.28×10^{6}; $T_t = 708^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.96312	582.8	.00206	.000894			.96
2	2.0	.0		.96144	582.5	.00212	.000920			.98
3	2.0	12.0		.96032	581.8	.00218	.000946			1.01
4	8.0	.0		.95250	577.1	.00219	.000950			.99
5	9.0	.0		.95362	577.5	.00218	.000946	.00219	.000950	1.02
6	10.0	.0		.95250	577.1	.00219	.000950	.00215	.000933	.96
7	11.0	.0		.95474	578.5	.00214	.000929	.00223	.000968	.98
8	11.5	.0		.95306	577.5	.00212	.000920	.00212	.000920	.97
9	12.0	1.0		.95250	577.1	.00213	.000924	.00212	.000920	.98
10	12.0	3.0		.95362	578.1	.00243	.001055	.00243	.001055	1.05
11	12.0	5.0		.95474	578.5	.00225	.000976			1.03
12	14.0	4.0		.95530	578.5	.00217	.000942	.00217	.000942	1.00
13	14.0	1.0		.95641	581.5	.00226	.000981			1.04
15	14.0	-1.0		.95921	581.5	.00209	.000907			.98
16	14.0	-2.0		.95921	580.5	.00209	.000907	.00215	.000933	.83
17	13.0	-2.0		.95641	579.1	.00223	.000968			1.09
18	12.0	-3.0		.95585	578.5	.00208	.000903			1.00
19	14.0	-3.0		.95362	577.1	.00197	.000855	.00189	.000820	.96
20	14.0	-4.0		.95362	577.5	.00211	.000916	.00211	.000916	1.00
21	16.0	-4.0		.95474	577.8	.00223	.000968	.00221	.000959	1.06
22	14.0	-6.0		.95585	578.5	.00208	.000903	.00210	.000911	1.00
23	14.0	-8.0		.95362	577.1	.00197	.000855	.00196	.000851	.98
24	14.0	-12.0		.95809	579.5	.00210	.000911			1.01
25	16.0	-8.0		.95641	578.8	.00210	.000911	.00213	.000924	1.03
26	18.0	-8.0		.95138	575.8	.00208	.000903	.00205	.000890	1.00
27	16.0	-2.0		.95977	581.5	.00218	.000946	.00218	.000946	1.11
28	18.0	-2.0		.96144	582.5	.00211	.000916	.00210	.000911	.98
29	20.0	-3.0		.96032	581.1	.00206	.000894	.00191	.000829	1.02
30	18.0	-4.0		.95697	579.1	.00206	.000894	.00205	.000890	1.00
31	20.0	-4.0		.95921	580.8	.00213	.000924	.00216	.000937	1.02
32	20.0	-5.0		.95641	579.1	.00210	.000911	.00208	.000903	1.02
33	20.0	-6.0		.95641	578.5	.00194	.000842	.00200	.000868	.98
35	20.0	-8.0		.95865	579.8	.00199	.000864			.98
36	20.0	-12.0		.95697	578.8	.00204	.000885			.97
37	14.0	5.0		.95474	578.5	.00218	.000946	.00219	.000950	1.00
38	14.0	6.0		.95362	578.1	.00217	.000942			.99
39	32.0	8.0		.95585	579.1	.00224	.000972	.00223	.000968	1.06
40	32.0	10.0		.95250	577.1	.00225	.000976	.00224	.000972	1.04
41	32.0	12.0		.95362	577.5	.00202	.000877			.93
42	50.0	-8.0		.96815	585.1	.00186	.000807			.89
43	50.0	-5.0		.96926	589.5	.00195	.000846			.94
44	50.0	.0		1.00335	600.1	.00048	.000208			.22
45	50.0	6.0		.96312	585.1	.00256	.001111			1.20
46	58.0	.0		.99273	594.1	.00059	.000256			.28
47	58.0	6.0		.95697	582.1	.00276	.001198			1.23
48	58.0	12.0		.95977	580.5	.00187	.000812			.87
73	14.0	2.0		.95418	578.1	.00225	.000976			1.03
78	20.0	-2.0		.96759	585.8	.00205	.000890	.00207	.000898	.98
79	32.0	-4.0		.97038	587.1	.00202	.000877			1.03
80	32.0	-5.0		.96088	581.5	.00203	.000881			.99
81	32.0	4.0		.96815	586.1	.00195	.000846			.96
82	32.0	6.0		.96312	582.8	.00200	.000868	.00200	.000868	.96
83	42.0	-5.0		.96982	589.5	.00254	.001102			1.34
84	42.0	-6.0		.96926	587.1	.00209	.000907			1.02
85	6.0	.0		.95697	583.8	.00303	.001315			1.05
86	6.0	5.0		.95641	580.1	.00224	.000972			.70
87	6.0	10.0		.95585	581.8	.00253	.001098			.80
88	12.0	.0		.95753	584.5	.00268	.001163			1.06
89	12.0	5.0		.95474	582.1	.00297	.001289			1.09
90	12.0	10.0		.95530	582.5	.00295	.001280			1.04
91	18.0	.0		.95530	580.1	.00241	.001046			1.02
92	30.0	.0		.95585	579.8	.00244	.001059			1.08
93	42.0	.0		.95809	580.1	.00205	.000890			.97
201	2.0	.0	.3	.93574	573.8	.00320	.001389			
202	6.0	.0	.8	.94412	576.5	.00315	.001367	.00315	.001367	
203	10.0	.9	.9	.95306	584.5	.00315	.001367			
204	14.0	.0	1.8	.95362	582.5	.00291	.001263	.00292	.001267	
205	18.0	2.1	1.0	.96368	589.1	.00282	.001224			
206	22.9	.0	2.0	1.00111	602.8	.00082	.000356			
207	27.3	1.9	1.8	.97541	587.1	.00142	.000616			
208	27.3	-1.9	1.8	.97988	588.1	.00092	.000399			
209	35.0	4.2	2.0	.96032	588.5	.00253	.001098			
210	36.0	3.0	2.0	1.01005	604.5	.00040	.000174			
211	36.0	.0	2.0	1.01507	607.5	.00038	.000165			
212	36.0	-3.0	2.0	1.00670	601.8	.00032	.000139			
213	10.0	.0	1.3	.94803	580.5	.00289	.001254	.00277	.001202	
214	10.0	-.9	.9	.95362	583.5	.00286	.001241			
215	18.0	.0	2.4	.94447	583.1	.00199	.000864	.00197	.000855	
216	18.0	-2.1	1.0	.95921	585.1	.00270	.001172			
217	23.8	.0	1.5	1.00725	605.8	.00085	.000369			
218	27.2	.0	.6	.99608	601.1	.00129	.000560			
219	30.2	.0	2.0	.97206	591.5	.00195	.000846			
220	30.5	.0	2.9	.97094	594.8	.00320	.001389			
221	30.5	1.0	2.9	.96871	592.8	.00368	.001597			
222	33.0	.0	4.3	.94356	576.5	.00316	.001371			
223	35.0	.0	4.6	.95641	589.5	.00272	.001180			
224	35.0	-4.2	2.0	.96200	588.1	.00270	.001172			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

4. Engine Fairing; $\alpha = 0^{o}$ - Continued

(d) M = 3.51; R = 3.99×10^{6}; $T_t = 706^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94718	568.5	.00301	.000586			.96
2	2.0	.0		.94377	567.1	.00321	.000625			.98
3	2.0	12.0		.94320	565.5	.00304	.000592			.95
4	8.0	.0		.93582	562.1	.00315	.000613			.96
5	9.0	.0		.93582	562.5	.00324	.000631	.00327	.000636	.99
6	10.0	.0		.93411	561.5	.00325	.000632	.00321	.000625	1.02
7	11.0	.0		.93639	562.5	.00324	.000631	.00330	.000642	.98
8	11.5	.0		.93525	561.8	.00315	.000613	.00306	.000596	.95
9	12.0	1.0		.93468	561.8	.00325	.000632	.00324	.000631	1.01
10	12.0	3.0		.93752	563.8	.00329	.000640	.00331	.000644	.99
11	12.0	5.0		.93639	562.8	.00316	.000615			.96
12	14.0	4.0		.93752	563.1	.00313	.000609	.00314	.000611	.95
13	14.0	1.0		.93752	563.8	.00323	.000629			1.03
15	14.0	-1.0		.94150	565.8	.00324	.000631			.98
16	14.0	-2.0		.94036	564.5	.00303	.000590	.00307	.000597	.95
17	13.0	-2.0		.93752	563.1	.00308	.000599			1.00
18	12.0	-3.0		.93866	563.1	.00312	.000607			.99
19	14.0	-3.0		.93525	561.5	.00309	.000601	.00303	.000590	.97
20	14.0	-4.0		.93525	561.5	.00310	.000603	.00309	.000601	.97
21	16.0	-4.0		.93582	561.8	.00306	.000596	.00304	.000592	1.00
22	14.0	-6.0		.93752	563.1	.00319	.000621	.00321	.000625	.98
23	14.0	-8.0		.93639	562.1	.00307	.000597	.00306	.000596	1.00
24	14.0	-12.0		.94036	564.5	.00312	.000607			.99
25	16.0	-8.0		.93866	563.5	.00299	.000582	.00301	.000586	.94
26	18.0	-8.0		.93411	560.8	.00305	.000594	.00302	.000588	1.01
27	16.0	-2.0		.94150	565.8	.00325	.000632	.00325	.000632	1.05
28	18.0	-2.0		.94434	567.5	.00328	.000638	.00327	.000636	.98
29	20.0	-3.0		.94263	566.1	.00315	.000613	.00304	.000592	1.03
30	18.0	-4.0		.93809	562.8	.00306	.000596	.00304	.000592	1.01
31	20.0	-4.0		.94150	565.5	.00322	.000627	.00326	.000634	1.05
32	20.0	-5.0		.93752	562.8	.00307	.000597	.00302	.000588	1.00
33	20.0	-6.0		.93752	562.8	.00304	.000592	.00306	.000596	.96
34	20.0	-7.0		.93639	561.8	.00296	.000576	.00287	.000559	.99
35	20.0	-8.0		.94150	565.1	.00295	.000574			.97
36	20.0	-12.0		.94036	564.8	.00305	.000594			.96
37	14.0	5.0		.93639	562.8	.00324	.000631	.00323	.000629	.99
38	14.0	6.0		.93639	562.8	.00325	.000632			1.02
39	32.0	8.0		.93866	564.1	.00332	.000646	.00330	.000642	1.01
40	32.0	10.0		.93582	562.1	.00326	.000634	.00325	.000632	1.00
41	32.0	12.0		.93695	562.1	.00308	.000599			.97
42	50.0	-8.0		.95456	574.1	.00334	.000650			1.05
43	50.0	-5.0		.95342	572.5	.00313	.000609			1.02
44	50.0	.0		1.00227	589.8	.00059	.000115			.18
45	50.0	6.0		.94093	570.5	.00440	.000856			1.43
46	58.0	.0		.98636	581.5	.00084	.000163			.27
47	58.0	6.0		.93411	566.8	.00450	.000876			1.42
48	58.0	12.0		.94604	567.5	.00300	.000584			.94
73	14.0	2.0		.93582	562.5	.00312	.000607			.96
78	20.0	-2.0		.95002	571.1	.00327	.000636	.00335	.000652	1.02
79	32.0	-4.0		.95399	575.1	.00359	.000699			1.18
80	32.0	-5.0		.94661	568.5	.00319	.000621			.99
81	32.0	4.0		.95286	574.5	.00360	.000701			1.18
82	32.0	6.0		.94718	569.5	.00322	.000627	.00322	.000627	1.03
83	42.0	-5.0		.94945	576.5	.00447	.000870			1.49
84	42.0	-6.0		.95399	575.5	.00369	.000718			1.21
85	6.0	.0		.94150	569.1	.00400	.000778			.99
86	6.0	5.0		.94150	569.8	.00411	.000800			.96
87	6.0	10.0		.94093	568.8	.00409	.000796			.99
88	12.0	.0		.94150	567.8	.00360	.000701			.98
89	12.0	5.0		.94093	567.8	.00370	.000720			.98
90	12.0	10.0		.94036	567.1	.00373	.000726			.98
91	18.0	.0		.94093	566.8	.00341	.000664			.99
92	30.0	.0		.93979	565.5	.00327	.000636			.96
93	42.0	.0		.94207	565.5	.00295	.000574			.98
201	2.0	.0	.3	.91651	558.5	.00491	.000956			
202	6.0	.0	.8	.91764	564.1	.00525	.001022	.00525	.001022	
203	10.0	.9	.9	.92616	565.8	.00544	.001059			
204	14.0	.0	1.8	.92843	567.1	.00542	.001055	.00543	.001057	
205	18.0	2.1	1.0	.93695	577.5	.00468	.000911			
206	22.9	.0	2.0	.99375	587.1	.00112	.000218			
207	27.3	1.9	1.8	.96365	573.5	.00156	.000304			
208	27.3	-1.9	1.8	.96819	575.1	.00180	.000350			
209	35.0	4.2	2.0	.94263	572.8	.00465	.000905			
210	36.0	3.0	2.0	1.01079	594.8	.00053	.000103			
211	36.0	.0	2.0	1.01533	597.8	.00063	.000123			
212	36.0	-3.0	2.0	1.00511	591.1	.00049	.000095			
213	10.0	.0	1.3	.92162	569.1	.00481	.000936	.00469	.000913	
214	10.0	-.9	.9	.92673	565.1	.00538	.001047			
215	18.0	.0	2.4	.94377	565.1	.00296	.000576	.00291	.000566	
216	18.0	-2.1	1.0	.93355	569.1	.00514	.001000			
217	23.8	.0	1.5	.99886	591.5	.00140	.000272			
218	27.2	.0	.6	.99204	591.8	.00228	.000444			
219	30.2	.0	2.0	.96649	579.8	.00308	.000599			
220	30.5	.0	2.9	.96592	585.1	.00419	.000815			
221	30.5	1.0	2.9	.96535	587.5	.00511	.000994			
222	33.0	.0	4.3	.92616	563.8	.00496	.000965			
223	35.0	.0	4.6	.93241	566.8	.00471	.000917			
224	35.0	-4.2	2.0	.94036	572.5	.00489	.000952			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

4. Engine Fairing; $\alpha = 0^{o}$ - Continued

(e) $M = 3.51$; $R = 2.83 \times 10^{6}$; $T_t = 702^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95785	570.8	.00219	.000604			.98
2	2.0	.0		.95443	568.8	.00228	.000629			.98
3	2.0	12.0		.95443	568.1	.00222	.000613			.98
4	8.0	.0		.94361	562.8	.00236	.000651			1.01
5	9.0	.0		.94304	562.5	.00236	.000651	.00237	.000654	1.01
6	10.0	.0		.94133	561.5	.00236	.000651	.00232	.000640	1.04
7	11.0	.0		.94304	562.5	.00234	.000646	.00241	.000665	1.01
8	11.5	.0		.94190	561.8	.00236	.000651	.00227	.000626	1.02
9	12.0	1.0		.94247	562.1	.00228	.000629	.00227	.000626	.98
10	12.0	3.0		.94475	564.5	.00237	.000654	.00239	.000659	.97
11	12.0	5.0		.94361	563.1	.00236	.000651			1.02
12	14.0	4.0		.94532	563.8	.00234	.000646	.00235	.000648	1.03
13	14.0	1.0		.94532	564.1	.00233	.000643			1.03
15	14.0	-1.0		.94873	565.8	.00231	.000637			1.03
16	14.0	-2.0		.94817	564.5	.00223	.000615	.00227	.000626	1.01
17	13.0	-2.0		.94532	563.1	.00227	.000626			1.03
18	12.0	-3.0		.94703	564.1	.00231	.000637			1.04
19	14.0	-3.0		.94304	561.8	.00230	.000635	.00224	.000618	1.03
20	14.0	-4.0		.94304	561.8	.00226	.000624	.00225	.000621	1.00
21	16.0	-4.0		.94361	562.1	.00226	.000624	.00224	.000618	1.06
22	14.0	-6.0		.94532	563.5	.00226	.000624	.00228	.000629	.99
23	14.0	-8.0		.94418	562.8	.00216	.000596	.00215	.000593	.98
24	14.0	-12.0		.94817	564.8	.00222	.000613			.99
25	16.0	-8.0		.94646	564.1	.00223	.000615	.00225	.000621	1.05
26	18.0	-8.0		.94247	561.5	.00227	.000626	.00224	.000618	1.03
27	16.0	-2.0		.94930	566.1	.00237	.000654	.00237	.000654	1.03
28	18.0	-2.0		.95329	568.5	.00233	.000643	.00232	.000640	1.06
29	20.0	-3.0		.95101	566.5	.00230	.000635	.00208	.000574	1.04
30	18.0	-4.0		.94646	563.5	.00223	.000615	.00221	.000610	1.01
31	20.0	-4.0		.94930	565.8	.00230	.000635	.00234	.000646	1.04
32	20.0	-5.0		.94589	563.5	.00223	.000615	.00223	.000615	1.04
33	20.0	-6.0		.94532	563.5	.00224	.000618	.00225	.000621	1.09
34	20.0	-7.0		.94532	563.1	.00227	.000626	.00221	.000610	1.04
35	20.0	-8.0		.94987	567.8	.00210	.000579			.97
36	20.0	-12.0		.94760	565.1	.00224	.000618			1.01
37	14.0	5.0		.94418	563.1	.00228	.000629	.00226	.000624	.97
38	14.0	6.0		.94418	563.5	.00235	.000648			1.01
39	32.0	8.0		.94646	564.8	.00236	.000651	.00234	.000646	1.02
40	32.0	10.0		.94361	562.8	.00239	.000659	.00238	.000657	1.04
41	32.0	12.0		.94418	562.5	.00233	.000643			1.00
42	50.0	-8.0		.96127	573.8	.00255	.000704			1.23
43	50.0	-5.0		.96127	573.1	.00226	.000624			1.08
44	50.0	.0		1.01822	597.1	.00039	.000108			.18
45	50.0	6.0		.94873	570.5	.00330	.000911			1.45
46	58.0	.0		.99943	587.5	.00055	.000152			.24
47	58.0	6.0		.94304	567.5	.00329	.000908			1.43
48	58.0	12.0		.95329	567.5	.00206	.000568			.92
73	14.0	2.0		.94247	562.5	.00237	.000654			1.04
78	20.0	-2.0		.96013	572.1	.00231	.000637	.00228	.000629	1.07
79	32.0	-4.0		.96240	575.1	.00258	.000712			1.18
80	32.0	-5.0		.95386	568.5	.00218	.000602			.96
81	32.0	4.0		.96127	574.8	.00263	.000726			1.18
82	32.0	6.0		.95443	569.5	.00225	.000621	.00225	.000621	.98
83	42.0	-5.0		.95899	576.5	.00325	.000897			1.48
84	42.0	-6.0		.96127	575.1	.00271	.000748			1.23
85	6.0	.0		.94589	567.8	.00326	.000899			1.07
86	6.0	5.0		.94589	568.8	.00318	.000877			.98
87	6.0	10.0		.94532	568.1	.00330	.000911			1.02
88	12.0	.0		.94646	566.8	.00274	.000756			1.02
89	12.0	5.0		.94589	567.1	.00279	.000770			.98
90	12.0	10.0		.94475	566.5	.00293	.000808			1.01
91	18.0	.0		.94646	565.8	.00253	.000698			.98
92	30.0	.0		.94589	566.8	.00249	.000687			1.02
93	42.0	.0		.94873	565.1	.00222	.000613			1.00
201	2.0	.0	.3	.91855	553.8	.00380	.001048			
202	6.0	.0	.8	.92709	562.8	.00372	.001026	.00372	.001026	
203	10.0	.9	.9	.93677	566.5	.00398	.001098			
204	14.0	.0	1.8	.93791	569.8	.00370	.001021	.00370	.001021	
205	18.0	2.1	1.0	.94930	572.5	.00368	.001015			
206	22.9	.0	2.0	1.00967	594.1	.00079	.000218			
207	27.3	1.9	1.8	.97835	578.8	.00098	.000270			
208	27.3	-1.9	1.8	.98234	579.8	.00129	.000356			
209	35.0	4.2	2.0	.95329	573.8	.00328	.000905			
210	36.0	3.0	2.0	1.02787	603.1	.00041	.000113			
211	36.0	.0	2.0	1.03242	606.5	.00044	.000121			
212	36.0	-3.0	2.0	1.02161	599.5	.00032	.000088			
213	10.0	.0	1.3	.93108	562.5	.00379	.001046	.00369	.001018	
214	10.0	-.9	.9	.93734	568.1	.00365	.001007			
215	18.0	.0	2.4	.95614	568.5	.00222	.000613	.00220	.000607	
216	18.0	-2.1	1.0	.94589	573.1	.00361	.000996			
217	23.8	.0	1.5	1.01536	598.1	.00089	.000246			
218	27.2	.0	.6	1.00398	597.1	.00152	.000419			
219	30.2	.0	2.0	.97607	580.8	.00198	.000546			
220	30.5	.0	2.9	.97152	585.5	.00318	.000877			
221	30.5	1.0	2.9	.97038	584.8	.00377	.001040			
222	33.0	.0	4.3	.93507	563.5	.00372	.001026			
223	35.0	.0	4.6	.94418	568.1	.00310	.000855			
224	35.0	-4.2	2.0	.95101	573.1	.00366	.001010			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - *Continued*

4. Engine Fairing; $\alpha = 0^{o}$ - Continued

(f) M = 3.51; R = 1.62×10^{6}; $T_t = 699^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.96251	571.8	.00160	.000777			1.09
2	2.0	.0		.95967	570.1	.00143	.000695			.95
3	2.0	12.0		.95854	568.8	.00142	.000690			.96
4	8.0	.0		.94945	563.8	.00162	.000787			.99
5	9.0	.0		.94945	563.8	.00149	.000724	.00151	.000733	.99
6	10.0	.0		.94604	562.1	.00144	.000699	.00139	.000675	.91
7	11.0	.0		.94774	563.1	.00162	.000787	.00168	.000816	1.08
8	11.5	.0		.94718	562.5	.00143	.000695	.00133	.000646	.90
9	12.0	1.0		.94774	563.1	.00162	.000787	.00161	.000782	.98
10	12.0	3.0		.94945	563.8	.00156	.000758	.00157	.000763	.95
11	12.0	5.0		.94831	563.5	.00146	.000709			.92
12	14.0	4.0		.95002	564.5	.00143	.000695	.00142	.000690	.90
13	14.0	1.0		.95229	565.8	.00161	.000782			1.09
14	14.0	-1.0		.95456	567.1	.00142	.000690			.96
15	14.0	-2.0		.95456	566.5	.00140	.000680	.00146	.000709	.88
16	14.0	-2.0		.95115	564.8	.00142	.000690			.96
17	13.0	-2.0		.95229	565.1	.00143	.000695			.96
18	12.0	-3.0		.94888	564.5	.00143	.000695	.00136	.000661	.91
19	14.0	-3.0		.95002	563.8	.00161	.000782	.00160	.000777	1.02
20	14.0	-4.0		.95058	564.1	.00141	.000685	.00139	.000675	.89
21	16.0	-4.0		.95172	566.5	.00143	.000695	.00144	.000699	.90
22	14.0	-6.0		.95058	564.5	.00138	.000670	.00137	.000665	.87
23	14.0	-8.0		.95342	566.1	.00139	.000675			.93
24	14.0	-12.0		.95286	565.8	.00142	.000690	.00144	.000699	.97
25	16.0	-8.0		.94831	563.1	.00139	.000675	.00136	.000661	.95
26	18.0	-8.0		.95513	567.5	.00144	.000699	.00143	.000695	.98
27	16.0	-2.0		.96024	570.5	.00148	.000719	.00148	.000719	1.04
28	18.0	-2.0		.95626	568.1	.00161	.000782	.00142	.000690	1.02
29	20.0	-3.0		.95286	565.5	.00141	.000685	.00139	.000675	.89
30	18.0	-4.0		.95513	567.5	.00163	.000782	.00163	.000792	1.14
31	20.0	-4.0		.95229	566.8	.00143	.000695	.00140	.000680	.96
32	20.0	-5.0		.95229	565.5	.00136	.000661	.00136	.000661	.96
33	20.0	-6.0		.95229	565.1	.00140	.000680	.00135	.000656	1.00
34	20.0	-7.0		.95513	567.1	.00138	.000670			.87
35	20.0	-8.0		.95456	566.5	.00141	.000685			.89
36	20.0	-12.0		.95115	565.1	.00162	.000787	.00164	.000797	1.07
37	14.0	5.0		.95058	564.5	.00144	.000699			.95
38	14.0	6.0		.95286	566.1	.00161	.000782	.00161	.000782	1.07
39	32.0	8.0		.94945	563.8	.00145	.000704	.00144	.000699	.97
40	32.0	10.0		.94831	564.1	.00143	.000695			1.00
41	32.0	12.0		.96819	575.5	.00157	.000763			1.12
42	50.0	-8.0		.96989	577.1	.00123	.000597			.78
43	50.0	-5.0		1.01022	593.8	.00031	.000151			.22
44	50.0	.0		.95854	572.1	.00192	.000932			1.21
45	50.0	6.0		1.00397	590.1	.00034	.000165			.25
46	58.0	.0		.95456	570.5	.00209	.001015			1.41
47	58.0	6.0		.96138	570.1	.00134	.000651			.96
48	58.0	12.0		.94945	564.1	.00162	.000787			1.07
73	14.0	2.0		.96365	572.5	.00147	.000714	.00144	.000699	.93
78	20.0	-2.0		.96592	574.8	.00166	.000806			1.19
79	32.0	-4.0		.95740	568.5	.00141	.000685			.96
80	32.0	-5.0		.96421	573.8	.00166	.000806			1.05
81	32.0	4.0		.95854	569.5	.00141	.000685	.00141	.000685	.89
82	32.0	6.0		.96592	577.1	.00205	.000996			1.46
83	42.0	-5.0		.96705	575.8	.00174	.000845			1.11
84	42.0	-6.0		.95002	568.5	.00242	.001175			.95
85	6.0	.0		.95002	568.8	.00242	.001175			.88
86	6.0	5.0		.94945	568.5	.00249	.001209			.99
87	6.0	10.0		.95058	567.1	.00188	.000913			.95
88	12.0	.0		.95058	566.8	.00201	.000976			.98
89	12.0	5.0		.94831	566.1	.00209	.001015			.98
90	12.0	10.0		.94945	565.5	.00176	.000855			.99
91	18.0	.0		.95058	565.8	.00167	.000811			.98
92	30.0	.0		.95342	566.1	.00142	.000690			.97
93	42.0	.0		.92276	552.5	.00226	.001098			
201	2.0	.0	.3	.93468	561.8	.00229	.001112	.00230	.001117	
202	6.0	.0	.8	.94490	566.8	.00246	.001195			
203	10.0	.9	.9	.94604	571.1	.00240	.001166	.00240	.001166	
204	14.0	.0	1.8	.95683	574.8	.00223	.001083			
205	18.0	2.1	1.0	1.00795	593.1	.00041	.000199			
206	22.9	.0	2.0	.97671	576.8	.00073	.000355			
207	27.3	1.9	1.8	.98296	579.5	.00064	.000311			
208	27.3	-1.9	1.8	.95910	576.8	.00196	.000952			
209	35.0	4.2	2.0	1.01874	590.8	.00026	.000126			
210	36.0	3.0	2.0	1.02271	601.5	.00028	.000136			
211	36.0	.0	2.0	1.01249	594.8	.00026	.000126			
212	36.0	-3.0	2.0	.93866	562.5	.00247	.001200	.00236	.001146	
213	10.0	.0	1.3	.94490	565.5	.00243	.001180			
214	10.0	-.9	.9	.96138	570.5	.00149	.000724	.00147	.000714	
215	18.0	.0	2.4	.95513	573.5	.00223	.001083			
216	18.0	-2.1	1.0	1.01363	596.8	.00060	.000291			
217	23.8	.0	1.5	.99943	591.5	.00095	.000461			
218	27.2	.0	.6	.97387	579.8	.00123	.000597			
219	30.2	.0	2.0	.96819	580.1	.00218	.001059			
220	30.5	.0	2.9	.96705	579.5	.00259	.001258			
221	30.5	1.0	2.9	.93809	561.5	.00211	.001025			
222	33.0	.0	4.3	.95172	568.8	.00204	.000991			
223	35.0	.0	4.6	.95740	574.8	.00223	.001083			
224	35.0	-4.2	2.0							

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

4. Engine Fairing; $\alpha = 0^{o}$ - Continued

(g) M = 4.44; R = 4.58×10^{6}; $T_t = 675^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St, c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.93769	567.8	.00201	.000507			1.03
2	2.0	.0		.93992	568.8	.00230	.000580			1.11
3	2.0	12.0		.93603	568.8	.00214	.000540			1.16
4	8.0	.0		.93102	563.5	.00202	.000509			.99
5	9.0	.0		.93046	563.1	.00202	.000509	.00216	.000545	.95
6	10.0	.0		.92323	561.1	.00209	.000527	.00177	.000446	.95
7	11.0	.0		.92935	562.5	.00214	.000540	.00250	.000631	1.01
8	11.5	.0		.92879	562.1	.00209	.000527	.00193	.000487	.99
9	12.0	1.0		.92879	562.1	.00203	.000512	.00201	.000507	.95
10	12.0	3.0		.93213	564.8	.00208	.000525	.00212	.000535	1.02
11	12.0	5.0		.92879	563.1	.00211	.000532			.95
12	14.0	4.0		.93213	564.8	.00208	.000525	.00209	.000527	1.05
13	14.0	1.0		.93324	565.8	.00210	.000530			.99
15	14.0	-1.0		.93769	567.5	.00198	.000499			.93
16	14.0	-2.0		.93936	568.1	.00194	.000489	.00225	.000567	1.00
17	13.0	-2.0		.93213	565.1	.00210	.000530			1.06
18	12.0	-3.0		.93324	564.5	.00199	.000502			.93
19	14.0	-3.0		.92879	561.8	.00200	.000504	.00178	.000449	1.01
20	14.0	-4.0		.92935	562.1	.00205	.000517	.00203	.000512	1.03
21	16.0	-4.0		.92879	561.8	.00198	.000499	.00193	.000487	1.01
22	14.0	-6.0		.93269	564.5	.00196	.000494	.00200	.000504	.92
23	14.0	-8.0		.92991	562.5	.00196	.000494	.00194	.000489	.92
24	14.0	-12.0		.93158	564.5	.00211	.000532			1.06
25	16.0	-8.0		.93158	566.8	.00199	.000502	.00204	.000515	1.00
26	18.0	-8.0		.92379	559.1	.00193	.000487	.00184	.000464	.91
27	16.0	-2.0		.93769	567.5	.00205	.000517	.00201	.000507	1.06
28	18.0	-2.0		.94214	570.1	.00199	.000502	.00202	.000509	1.25
29	20.0	-3.0		.93769	567.5	.00231	.000583	.00213	.000537	1.16
30	18.0	-4.0		.93269	563.8	.00190	.000479	.00186	.000469	.97
31	20.0	-4.0		.93769	569.5	.00205	.000517	.00219	.000552	1.05
32	20.0	-5.0		.92935	562.1	.00195	.000492	.00175	.000441	.98
33	20.0	-6.0		.93102	562.8	.00191	.000482	.00195	.000492	1.04
34	20.0	-7.0		.92991	562.5	.00191	.000482	.00179	.000451	.91
35	20.0	-8.0		.93491	565.5	.00193	.000487			1.03
36	20.0	-12.0		.93269	565.8	.00212	.000535			1.00
37	14.0	5.0		.93213	565.1	.00210	.000530	.00213	.000537	1.04
38	14.0	6.0		.93102	564.5	.00195	.000492			.92
39	32.0	8.0		.93436	566.5	.00198	.000499	.00198	.000499	1.04
40	32.0	10.0		.92935	563.5	.00196	.000494	.00193	.000487	1.04
41	32.0	12.0		.92935	563.8	.00192	.000484			1.05
42	50.0	-8.0		.94659	574.5	.00253	.000638			1.42
43	50.0	-5.0		.95271	575.8	.00178	.000449			1.00
44	50.0	.0		.98609	591.5	.00049	.000124			.26
45	50.0	6.0		.93547	570.1	.00326	.000822			1.83
46	58.0	.0		.97774	586.5	.00052	.000131			.29
47	58.0	6.0		.93436	568.1	.00309	.000779			1.73
48	58.0	12.0		.94326	571.1	.00166	.000419			.92
73	14.0	2.0		.92713	561.5	.00204	.000515			1.01
78	20.0	-2.0		.94103	569.8	.00207	.000522	.00206	.000520	1.04
79	32.0	-4.0		.94493	573.8	.00255	.000643			1.29
80	32.0	-5.0		.93380	565.1	.00191	.000482			1.04
81	32.0	4.0		.94159	571.8	.00258	.000651			1.43
82	32.0	6.0		.93936	569.1	.00192	.000484	.00192	.000484	1.04
83	42.0	-5.0		.93825	571.1	.00298	.000752			1.66
84	42.0	-6.0		.94159	572.1	.00277	.000699			1.55
85	6.0	.0		.93491	568.1	.00277	.000699			.98
86	6.0	5.0		.93603	569.8	.00268	.000676			.99
87	6.0	10.0		.93436	571.5	.00296	.000747			1.01
88	12.0	.0		.93491	567.1	.00253	.000638			1.02
89	12.0	5.0		.93547	568.5	.00241	.000608			.96
90	12.0	10.0		.93380	569.8	.00269	.000678			1.06
91	18.0	.0		.93102	564.5	.00222	.000560			1.03
92	30.0	.0		.93102	563.8	.00233	.000588			1.04
93	42.0	.0		.93436	566.5	.00210	.000530			1.06
201	2.0	.0	.3	.90710	554.8	.00351	.000885			
202	6.0	.0	.8	.90988	557.5	.00400	.001009	.00401	.001011	
203	10.0	.9	.9	.91823	561.1	.00365	.000921			
204	14.0	.0	1.8	.91878	563.8	.00403	.001016	.00404	.001019	
205	18.0	2.1	1.0	.92601	567.8	.00323	.000815			
206	22.9	.0	2.0	.98498	590.5	.00068	.000172			
207	27.3	1.9	1.8	.95828	577.5	.00117	.000295			
208	27.3	-1.9	1.8	.96050	576.5	.00079	.000199			
209	35.0	4.2	2.0	.93380	568.5	.00313	.000789			
210	36.0	3.0	2.0	.99221	594.5	.00037	.000093			
213	10.0	.0	1.5	.90766	556.8	.00406	.001024	.00372	.000938	
214	10.0	-.9	.9	.91656	561.1	.00373	.000941			
215	18.0	.0	2.4	.93380	564.8	.00230	.000580	.00233	.000588	
216	18.0	-2.1	1.0	.92212	564.1	.00368	.000928			
217	23.8	.0	1.5	.99276	595.5	.00073	.000184			
218	27.2	.0	.6	.97552	588.1	.00124	.000313			
219	30.2	.0	2.0	.95716	578.5	.00177	.000446			
220	30.5	.0	2.9	.95772	581.8	.00276	.000696			
221	30.5	1.0	2.9	.95828	586.8	.00324	.000817			
222	33.0	.0	4.3	.92268	561.5	.00297	.000749			
223	35.0	.0	4.6	.93158	566.5	.00309	.000779			
224	35.0	-4.2	2.0	.93324	571.5	.00316	.000797			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

4. Engine Fairing; $\alpha = 0^{o}$ - Continued

(h) $M = 4.44$; $R = 3.19 \times 10^{6}$; $T_t = 681^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94568	568.8	.00134	.000480			.91
2	2.0	.0		.94792	570.1	.00152	.000545			1.03
3	2.0	12.0		.94288	568.5	.00128	.000459			.94
4	8.0	.0		.93784	564.1	.00154	.000552			.93
5	9.0	.0		.93728	564.8	.00142	.000509	.00156	.000559	.88
6	10.0	.0		.93000	559.5	.00156	.000559	.00130	.000466	.95
7	11.0	.0		.93616	562.1	.00154	.000552	.00180	.000645	.94
8	11.5	.0		.93392	560.8	.00142	.000509	.00127	.000455	.95
9	12.0	1.0		.93560	562.8	.00155	.000555	.00153	.000548	1.03
10	12.0	3.0		.93840	564.8	.00155	.000555	.00158	.000566	.94
11	12.0	5.0		.93504	563.5	.00143	.000512			.94
12	14.0	4.0		.94896	565.5	.00141	.000505	.00142	.000509	1.01
13	14.0	1.0		.93952	565.1	.00154	.000552			1.03
15	14.0	-1.0		.94456	568.8	.00140	.000502			.94
16	14.0	-2.0		.94624	568.5	.00138	.000495	.00162	.000581	.87
17	13.0	-2.0		.93896	567.1	.00140	.000502			.94
18	12.0	-3.0		.94008	566.1	.00141	.000505			.89
19	14.0	-3.0		.93560	561.8	.00141	.000505	.00129	.000462	.95
20	14.0	-4.0		.93560	563.5	.00142	.000509	.00139	.000498	1.02
21	16.0	-4.0		.93616	563.5	.00141	.000505	.00136	.000487	1.02
22	14.0	-6.0		.93952	565.8	.00145	.000520	.00144	.000516	1.04
23	14.0	-8.0		.93672	562.5	.00146	.000523	.00145	.000520	1.06
24	14.0	-12.0		.93896	563.8	.00127	.000455			.85
25	16.0	-8.0		.93840	563.5	.00146	.000523	.00150	.000538	.98
26	18.0	-8.0		.93000	559.1	.00136	.000487	.00126	.000452	.94
27	16.0	-2.0		.94456	568.8	.00140	.000502	.00134	.000480	1.01
28	18.0	-2.0		.95520	573.8	.00161	.000577	.00170	.000609	1.04
29	20.0	-3.0		.94512	569.1	.00140	.000502	.00129	.000462	1.01
30	18.0	-4.0		.94008	564.8	.00134	.000480	.00129	.000462	.96
31	20.0	-4.0		.94568	568.5	.00134	.000480	.00152	.000545	.90
32	20.0	-5.0		.93728	562.5	.00127	.000455	.00109	.000391	.88
33	20.0	-6.0		.93784	565.5	.00134	.000480	.00137	.000491	.92
34	20.0	-7.0		.93728	564.1	.00127	.000455	.00117	.000419	.95
35	20.0	-8.0		.94176	565.1	.00122	.000437			.84
36	20.0	-12.0		.94008	564.5	.00126	.000452			.85
37	14.0	5.0		.93896	565.8	.00142	.000509	.00145	.000520	1.01
38	14.0	6.0		.93784	563.5	.00146	.000523			1.04
39	32.0	8.0		.94120	569.1	.00141	.000505	.00141	.000505	1.00
40	32.0	10.0		.93672	563.1	.00147	.000527	.00145	.000520	1.07
41	32.0	12.0		.93672	563.1	.00148	.000530			1.17
42	50.0	-8.0		.95240	573.5	.00182	.000652			1.37
43	50.0	-5.0		.95688	573.5	.00119	.000426			.87
45	50.0	6.0		.94232	569.1	.00214	.000767			1.60
47	58.0	6.0		.93840	569.8	.00200	.000717			1.49
48	58.0	12.0		.94960	569.5	.00111	.000398			.95
73	14.0	2.0		.93448	562.1	.00155	.000555			.96
78	20.0	-2.0		.94736	569.1	.00153	.000548	.00160	.000573	1.03
79	32.0	-4.0		.95240	573.5	.00206	.000738			1.42
80	32.0	-5.0		.94064	566.5	.00141	.000505			.97
81	32.0	4.0		.94848	571.5	.00208	.000745			1.42
82	32.0	6.0		.94624	570.8	.00134	.000480	.00134	.000480	.96
83	42.0	-5.0		.94680	574.1	.00207	.000742			1.70
84	42.0	-6.0		.94848	572.1	.00192	.000688			1.40
85	6.0	.0		.93896	566.5	.00212	.000760			.98
86	6.0	5.0		.93952	567.1	.00214	.000767			1.02
87	6.0	10.0		.93728	567.1	.00219	.000785			1.07
88	12.0	.0		.94008	566.1	.00209	.000749			1.15
89	12.0	5.0		.94064	566.8	.00181	.000649			1.05
90	12.0	10.0		.93840	566.5	.00177	.000634			.99
91	18.0	.0		.93728	563.8	.00177	.000634			1.03
92	30.0	.0		.93728	563.5	.00166	.000595			.99
93	42.0	.0		.94120	569.1	.00134	.000480			.90
201	2.0	.0	.3	.91320	552.1	.00248	.000889			
202	6.0	.0	.8	.91600	555.1	.00266	.000953	.00267	.000957	
203	10.0	.9	.9	.92552	561.1	.00288	.001032			
204	14.0	.0	1.8	.92384	560.5	.00290	.001039	.00291	.001043	
205	18.0	2.1	1.0	.93336	564.8	.00281	.001007			
206	22.9	.0	2.0	.98264	585.1	.00051	.000183			
207	27.3	1.9	1.8	.96024	574.8	.00079	.000283			
208	27.3	-1.9	1.8	.96024	572.5	.00059	.000211			
209	35.0	4.2	2.0	.94064	568.1	.00215	.000770			
210	36.0	3.0	2.0	.99384	591.5	.00028	.000100			
213	10.0	.0	1.3	.91432	554.5	.00293	.001050	.00263	.000942	
214	10.0	-.9	.9	.92328	559.1	.00286	.001025			
215	18.0	.0	2.4	.93672	563.1	.00164	.000588	.00163	.000584	
216	18.0	-2.1	1.0	.93000	562.5	.00239	.000856			
217	23.8	.0	1.5	.99104	590.5	.00056	.000201			
218	27.2	.0	.6	.97704	586.1	.00093	.000333			
219	30.2	.0	2.0	.95856	574.8	.00119	.000426			
220	30.5	.0	2.9	.95744	577.5	.00208	.000745			
221	30.5	1.0	2.9	.95856	579.5	.00237	.000849			
222	33.0	.0	4.3	.92720	560.8	.00224	.000803			
223	35.0	.0	4.6	.93616	564.5	.00213	.000763			
224	35.0	-4.2	2.0	.94008	568.1	.00234	.000839			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

4. Engine Fairing; $\alpha = 0^{\circ}$ - Concluded

(i) $M = 4.44$; $R = 2.19 \times 10^6$; $T_t = 674^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95181	569.8	.00085	.000452			.81
2	2.0	.0		.95461	571.5	.00100	.000532			.85
3	2.0	12.0		.94845	568.8	.00102	.000542			.88
4	8.0	.0		.94453	565.5	.00100	.000532			.99
5	9.0	.0		.94396	564.8	.00101	.000537	.00124	.000659	.95
6	10.0	.0		.93668	560.8	.00102	.000542			1.01
7	11.0	.0		.94284	563.8	.00101	.000537			1.01
8	11.5	.0		.94060	564.5	.00107	.000569	.00087	.000463	1.06
9	12.0	1.0		.94172	564.1	.00101	.000537	.00099	.000526	1.00
10	12.0	3.0		.94509	566.1	.00101	.000537	.00104	.000553	.99
11	12.0	5.0		.94172	564.1	.00102	.000542			.96
12	14.0	4.0		.94509	566.1	.00101	.000537	.00101	.000537	.87
13	14.0	1.0		.94621	567.5	.00095	.000505			.94
14	14.0	-1.0		.95181	568.8	.00084	.000447			.74
15	14.0	-2.0		.95293	570.1	.00088	.000468			.88
16	13.0	-2.0		.94565	565.8	.00100	.000532			1.00
17	12.0	-3.0		.94677	566.5	.00100	.000532			.95
18	14.0	-3.0		.94284	564.1	.00100	.000532	.00080	.000425	.99
19	14.0	-4.0		.94284	564.1	.00100	.000532	.00097	.000516	1.00
20	16.0	-4.0		.94284	563.5	.00088	.000468	.00083	.000441	.88
21	14.0	-6.0		.94621	566.1	.00100	.000532	.00103	.000548	.87
22	14.0	-8.0		.94340	564.5	.00100	.000532	.00099	.000526	1.00
23	14.0	-12.0		.94565	566.5	.00089	.000473			1.00
24	16.0	-8.0		.94565	565.1	.00083	.000441	.00087	.000463	.83
25	18.0	-8.0		.93724	560.1	.00089	.000473	.00076	.000404	.89
26	16.0	-2.0		.95125	569.1	.00099	.000526	.00093	.000495	.99
27	18.0	-2.0		.96133	575.5	.00099	.000526	.00108	.000574	.83
28	20.0	-3.0		.95181	569.1	.00116	.000617	.00107	.000569	1.10
29	18.0	-4.0		.94677	566.5	.00100	.000532	.00096	.000511	1.12
30	20.0	-4.0		.95293	570.1	.00099	.000526	.00119	.000633	.98
31	20.0	-5.0		.94396	566.5	.00097	.000516	.00075	.000399	.97
32	20.0	-6.0		.94565	565.5	.00099	.000526	.00103	.000548	.99
33	20.0	-7.0		.94453	564.5	.00081	.000431	.00070	.000372	.91
34	20.0	-8.0		.94901	567.5	.00099	.000526			1.11
35	20.0	-12.0		.94733	567.5	.00089	.000473			.85
36	14.0	5.0		.94621	566.8	.00101	.000537	.00106	.000564	.94
37	14.0	6.0		.94453	565.8	.00101	.000537			.99
38	32.0	8.0		.94845	568.5	.00101	.000537	.00101	.000537	1.00
39	32.0	10.0		.94396	565.8	.00102	.000542	.00100	.000532	1.01
40	32.0	12.0		.94396	565.5	.00101	.000537			1.00
41	50.0	-8.0		.95853	575.1	.00142	.000755			1.60
42	50.0	-5.0		.96133	575.1	.00086	.000457			1.05
43	50.0	6.0		.94901	570.8	.00147	.000782			1.47
45	58.0	6.0		.94228	567.8	.00155	.000824			1.74
47	58.0	12.0		.95573	572.1	.00087	.000463			1.02
48	14.0	2.0		.94172	563.5	.00113	.000601			1.23
73	20.0	-2.0		.95349	570.8	.00099	.000526	.00097	.000516	.99
78	32.0	-4.0		.95797	575.5	.00134	.000713			1.34
79	32.0	-5.0		.94733	566.8	.00100	.000532			1.12
80	32.0	4.0		.95405	572.8	.00143	.000760			1.61
81	32.0	6.0		.95293	571.1	.00089	.000473	.00089	.000473	.88
82	42.0	-5.0		.95461	576.5	.00141	.000750			1.58
83	42.0	-6.0		.95517	574.5	.00136	.000723			1.55
84	6.0	.0		.94228	568.1	.00156	.000830			.93
85	6.0	5.0		.94284	569.1	.00158	.000840			.97
86	6.0	10.0		.94060	567.1	.00180	.000957			.78
87	12.0	.0		.94453	568.1	.00138	.000734			1.04
88	12.0	5.0		.94509	567.5	.00128	.000681			.87
89	12.0	10.0		.94228	567.1	.00149	.000792			1.01
90	18.0	.0		.94284	564.8	.00122	.000649			.89
91	30.0	.0		.94396	565.5	.00101	.000537			.84
92	42.0	.0		.94789	567.1	.00100	.000532			.94
93	2.0	.0	.3	.92099	553.5	.00184	.000979			
201	6.0	.0	.8	.92379	555.5	.00174	.000925	.00174	.000925	
202	10.0	.9	.9	.93332	562.1	.00184	.000979			
203	14.0	.0	1.8	.93052	560.8	.00194	.001032	.00195	.001037	
204	18.0	2.1	1.0	.94172	567.1	.00170	.000904			
205	22.9	.0	2.0	.98263	584.1	.00034	.000181			
206	27.3	1.9	1.8	.96189	573.5	.00085	.000452			
207	27.3	-1.9	1.8	.96189	572.1	.00040	.000213			
208	35.0	4.2	2.0	.94789	570.8	.00139	.000739			
209	36.0	3.0	2.0	.99215	590.1	.00027	.000144			
210	36.0	.0	2.0	.99607	592.1	.00022	.000117			
211	10.0	.0	1.3	.92267	555.8	.00192	.001021	.00161	.000856	
213	10.0	-.9	.9	.93164	560.5	.00182	.000968			
214	18.0	.0	2.4	.94228	563.8	.00126	.000670	.00124	.000659	
215	18.0	-2.1	1.0	.93836	564.1	.00175	.000931			
216	27.2	.0	.6	.97758	583.8	.00085	.000452			
218	30.2	.0	2.0	.96021	573.8	.00083	.000441			
219	30.5	.0	2.9	.95853	578.5	.00150	.000798			
220	30.5	1.0	2.9	.96021	577.5	.00177	.000941			
221	33.0	.0	4.3	.93164	560.8	.00156	.000830			
222	35.0	.0	4.6	.94172	566.5	.00138	.000734			
223	35.0	-4.2	2.0	.94789	569.1	.00165	.000877			
224										

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

5. Engine Fairing; $\alpha = 5^{\circ}$

(a) M = 2.65; R = 3.93×10^6; $T_t = 713^{\circ}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94532	586.8	.00539	.000760			.98
2	2.0	.0		.94366	587.1	.00569	.000802			.98
3	2.0	12.0		.94311	586.8	.00565	.000797			.98
4	8.0	.0		.93814	583.8	.00570	.000804			.99
5	9.0	.0		.93869	583.8	.00574	.000809	.00576	.000812	.99
6	10.0	.0		.93814	583.5	.00572	.000807	.00568	.000801	.99
7	11.0	.0		.93980	584.5	.00570	.000804	.00579	.000816	.99
8	11.5	.0		.93814	583.5	.00570	.000804	.00568	.000801	1.01
9	12.0	1.0		.93704	582.8	.00578	.000815	.00577	.000814	.99
10	12.0	3.0		.93814	584.5	.00583	.000822	.00584	.000824	.99
11	12.0	5.0		.93925	584.8	.00580	.000818			.99
12	14.0	4.0		.93980	584.8	.00578	.000815	.00578	.000815	.99
13	14.0	1.0		.94311	588.1	.00622	.000877	.00638	.000900	1.08
14	14.0	.0		.93869	583.8	.00567	.000800	.00550	.000776	1.00
15	14.0	-1.0		.94146	585.5	.00562	.000793	.00566	.000798	1.00
16	14.0	-2.0		.94256	585.5	.00541	.000763	.00549	.000774	.97
17	13.0	-2.0		.94035	584.1	.00556	.000784			1.01
18	12.0	-3.0		.94090	584.5	.00550	.000776			.98
19	14.0	-3.0		.93759	582.8	.00560	.000790	.00554	.000781	.99
20	14.0	-4.0		.93814	583.1	.00560	.000790	.00559	.000788	.99
21	16.0	-4.0		.93869	583.1	.00545	.000769	.00544	.000767	.99
22	14.0	-6.0		.94090	585.1	.00566	.000798	.00568	.000801	.98
23	14.0	-8.0		.93869	583.1	.00554	.000781	.00553	.000780	1.01
24	14.0	-12.0		.94311	585.1	.00550	.000776			1.00
25	16.0	-8.0		.94090	584.5	.00555	.000783	.00557	.000785	.99
26	18.0	-8.0		.93593	581.1	.00536	.000756	.00532	.000750	1.00
27	16.0	-2.0		.94146	585.1	.00551	.000777	.00549	.000774	.99
28	18.0	-2.0		.94201	586.1	.00586	.000826	.00584	.000824	1.06
29	20.0	-3.0		.94311	586.5	.00552	.000778	.00545	.000769	1.02
30	18.0	-4.0		.93980	583.5	.00530	.000747	.00529	.000746	1.00
31	20.0	-4.0		.94201	585.5	.00553	.000780	.00556	.000784	1.01
32	20.0	-5.0		.93925	583.5	.00535	.000754	.00530	.000747	.99
33	20.0	-6.0		.93980	583.5	.00532	.000750	.00534	.000753	.98
34	20.0	-7.0		.93925	582.5	.00572	.000807	.00566	.000798	1.07
35	20.0	-8.0		.94311	585.1	.00531	.000749			.98
36	20.0	-12.0		.94201	584.8	.00541	.000763			.98
37	14.0	5.0		.93980	585.1	.00576	.000812	.00576	.000812	.99
38	14.0	6.0		.93925	585.1	.00595	.000839			1.01
39	32.0	8.0		.94035	585.1	.00570	.000804	.00569	.000802	1.03
40	32.0	10.0		.93759	583.8	.00575	.000811	.00574	.000809	1.01
41	32.0	12.0		.93980	584.1	.00556	.000784			1.00
42	50.0	-8.0		.94532	593.8	.00785	.001107			1.42
43	50.0	-5.0		.97349	592.8	.00175	.000247			.31
44	50.0	.0		.99337	601.5	.00076	.000107			.14
45	50.0	6.0		.94643	589.1	.00586	.000826			1.05
46	58.0	.0		.97128	590.5	.00142	.000200			.25
47	58.0	6.0		.93483	580.5	.00532	.000750			.91
48	58.0	12.0		.94477	588.5	.00578	.000815			.99
73	14.0	2.0		.94477	586.5	.00475	.000670			.82
74	16.0	.0		.94587	590.1	.00607	.000856	.00609	.000859	1.08
75	18.0	.0		.95526	593.8	.00518	.000730	.00522	.000736	.94
76	20.0	.0		.96078	589.1	.00282	.000398			.51
77	20.0	-1.0		.94864	590.5	.00582	.000821	.00588	.000829	1.03
78	20.0	-2.0		.94698	589.8	.00590	.000832	.00597	.000842	1.07
79	32.0	-4.0		.95802	598.8	.00657	.000926			1.25
80	32.0	-5.0		.95029	590.1	.00534	.000753			.99
81	32.0	4.0		.94587	587.8	.00542	.000764			1.00
82	32.0	6.0		.94532	587.8	.00537	.000757	.00539	.000760	.98
84	42.0	-6.0		.95140	598.8	.00789	.001113			1.54
85	6.0	.0		.94587	591.5	.00653	.000921			.98
86	6.0	5.0		.94532	591.8	.00671	.000946			.97
87	6.0	10.0		.94532	591.8	.00674	.000950			1.00
88	12.0	.0		.94532	589.8	.00604	.000852			.98
89	12.0	5.0		.94311	589.1	.00617	.000870			.98
90	12.0	10.0		.94422	590.1	.00634	.000894			.99
91	18.0	.0		.94422	588.1	.00587	.000828			1.01
92	30.0	.0		.94256	587.5	.00591	.000833			1.00
93	42.0	.0		.94477	586.8	.00528	.000745			.99
201	2.0	.0	.3	.93096	588.1	.00897	.001265			
202	6.0	.0	.8	.92875	594.8	.00771	.001087	.00771	.001087	
203	10.0	.9	.9	.93483	586.5	.00747	.001053			
204	14.0	.0	1.8	.93428	593.5	.00784	.001106	.00785	.001107	
205	18.0	2.1	1.0	.94532	589.8	.00634	.000894			
206	22.9	.0	2.0	.99061	607.8	.00274	.000386			
207	27.3	1.9	1.8	.97956	610.8	.00482	.000680			
208	27.3	-1.9	1.8	.97128	598.1	.00297	.000419			
209	35.0	4.2	2.0	.93096	581.5	.00629	.000887			
210	36.0	3.0	2.0	1.00165	606.8	.00065	.000092			
211	36.0	.0	2.0	1.00220	608.1	.00076	.000107			
212	36.0	-3.0	2.0	.98950	602.1	.00127	.000179			
213	10.0	.0	1.3	.92875	589.5	.00769	.001084	.00756	.001066	
214	10.0	-.9	.9	.93207	589.1	.00893	.001259			
215	18.0	.0	2.4	.94919	585.1	.00433	.000611	.00427	.000602	
216	18.0	-2.1	1.0	.93538	592.1	.00962	.001357			
217	23.8	.0	1.5	.99558	611.5	.00307	.000433			
218	27.2	.0	.6	.98508	609.5	.00350	.000494			
219	30.2	.0	2.0	.96244	599.8	.00600	.000846			
220	30.5	.0	2.9	.96907	610.1	.00855	.001206			
221	30.5	1.0	2.9	.96962	611.5	.00865	.001220			
222	33.0	.0	4.3	.93041	589.8	.00956	.001348			
223	35.0	.0	4.6	.94201	601.1	.00861	.001214			
224	35.0	-4.2	2.0	.94146	597.1	.00949	.001338			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

5. Engine Fairing; $\alpha = 5^{o}$ - Continued

(b) M = 2.65; R = 2.54×10^{6}; $T_t = 709^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95205	581.1	.00372	.000813			.96
2	2.0	.0		.95038	581.1	.00396	.000865			1.02
3	2.0	12.0		.94982	580.8	.00392	.000857			1.02
4	8.0	.0		.94369	576.8	.00384	.000839			.98
5	9.0	.0		.94369	577.1	.00396	.000865	.00398	.000870	1.01
6	10.0	.0		.94313	576.5	.00392	.000857	.00390	.000852	1.00
7	11.0	.0		.94425	577.1	.00395	.000863	.00399	.000872	1.01
8	11.5	.0		.94313	576.5	.00389	.000850	.00388	.000848	.99
9	12.0	1.0		.94202	575.8	.00387	.000846	.00386	.000844	1.01
10	12.0	3.0		.94369	577.5	.00404	.000883	.00405	.000885	1.02
11	12.0	5.0		.94313	577.1	.00400	.000874			1.01
12	14.0	4.0		.94536	578.1	.00395	.000863	.00395	.000863	.99
13	14.0	1.0		.94871	581.1	.00431	.000942	.00444	.000970	1.13
14	14.0	.0		.94425	577.1	.00393	.000859	.00378	.000826	1.06
15	14.0	-1.0		.94703	578.5	.00379	.000828	.00382	.000835	.99
16	14.0	-2.0		.94815	578.8	.00369	.000806	.00377	.000824	.99
17	13.0	-2.0		.94536	577.5	.00376	.000822			1.00
18	12.0	-3.0		.94592	577.8	.00378	.000826			1.00
19	14.0	-3.0		.94257	575.8	.00378	.000826	.00370	.000809	1.00
20	14.0	-4.0		.94369	576.5	.00378	.000826	.00378	.000826	1.01
21	16.0	-4.0		.94369	576.5	.00373	.000815	.00371	.000811	1.00
22	14.0	-6.0		.94592	578.1	.00391	.000854	.00393	.000859	1.03
23	14.0	-8.0		.94425	576.1	.00383	.000837	.00382	.000835	1.02
24	14.0	-12.0		.94815	578.8	.00371	.000811			1.01
25	16.0	-8.0		.94648	577.8	.00380	.000830	.00383	.000837	1.02
26	18.0	-8.0		.94146	574.5	.00363	.000793	.00359	.000785	1.01
27	16.0	-2.0		.94759	578.8	.00376	.000822	.00374	.000817	.99
28	18.0	-2.0		.94759	579.5	.00397	.000868	.00395	.000863	1.06
29	20.0	-3.0		.95094	580.1	.00386	.000844	.00380	.000830	1.07
30	18.0	-4.0		.94536	577.1	.00362	.000791	.00361	.000789	1.01
31	20.0	-4.0		.94815	579.1	.00375	.000819	.00377	.000824	1.05
32	20.0	-5.0		.94536	576.8	.00368	.000804	.00364	.000795	.99
33	20.0	-6.0		.94536	576.8	.00363	.000793	.00367	.000802	.99
34	20.0	-7.0		.94425	576.1	.00364	.000795	.00350	.000765	1.02
35	20.0	-8.0		.94815	578.5	.00360	.000787			1.01
36	20.0	-12.0		.94703	578.1	.00381	.000833			1.04
37	14.0	5.0		.94480	578.1	.00397	.000868	.00397	.000868	1.01
38	14.0	6.0		.94369	577.8	.00404	.000883			1.00
39	32.0	8.0		.94536	578.5	.00397	.000868	.00396	.000865	1.04
40	32.0	10.0		.94313	577.1	.00398	.000870	.00397	.000868	1.03
41	32.0	12.0		.94536	577.8	.00373	.000815			.99
42	50.0	-8.0		.95094	586.1	.00551	.001204			1.46
43	50.0	-5.0		.98104	590.1	.00135	.000295			.36
44	50.0	.0		1.00445	601.1	.00054	.000118			.15
45	50.0	6.0		.95261	582.5	.00399	.000872			1.10
46	58.0	.0		.98216	589.5	.00086	.000188			.23
47	58.0	6.0		.94146	574.8	.00369	.000806			.90
48	58.0	12.0		.94871	580.8	.00389	.000850			.99
73	14.0	2.0		.94982	578.1	.00284	.000621			.73
74	16.0	.0		.95205	583.1	.00429	.000937	.00431	.000942	1.13
75	16.0	.0		.95818	588.1	.00348	.000760	.00349	.000763	.92
76	20.0	.0		.97435	586.1	.00142	.000310			.39
77	20.0	-1.0		.95540	584.1	.00382	.000835	.00381	.000833	1.02
78	20.0	-2.0		.95317	583.1	.00400	.000874	.00405	.000885	1.06
79	32.0	-4.0		.96432	591.8	.00442	.000966			1.25
80	32.0	-5.0		.95651	583.8	.00358	.000782			.96
81	32.0	4.0		.95317	582.8	.00391	.000854			1.05
82	32.0	6.0		.95094	581.5	.00372	.000813	.00373	.000815	1.03
84	42.0	-6.0		.95818	591.5	.00551	.001204			1.56
85	6.0	.0		.95094	584.1	.00460	.001005			1.01
86	6.0	5.0		.95038	584.8	.00489	.001069			1.00
87	6.0	10.0		.95038	584.8	.00480	.001049			1.02
88	12.0	.0		.95038	582.8	.00431	.000942			1.02
89	12.0	5.0		.94815	582.1	.00442	.000966			1.00
90	12.0	10.0		.94871	582.8	.00447	.000977			1.02
91	18.0	.0		.94871	580.8	.00403	.000881			1.03
92	30.0	.0		.94759	580.1	.00403	.000881			1.02
93	42.0	.0		.95038	580.5	.00368	.000804			1.04
201	2.0	.0	.3	.93198	576.5	.00589	.001287			
202	6.0	.0	.8	.93477	577.5	.00559	.001222	.00559	.001222	
203	10.0	.9	.9	.94202	583.5	.00494	.001080			
204	14.0	.0	1.8	.94034	584.8	.00548	.001198	.00549	.001200	
205	18.0	2.1	1.0	.95428	587.5	.00406	.000887			
206	22.9	.0	2.0	.99832	602.8	.00197	.000431			
207	27.3	1.9	1.8	.98383	599.5	.00331	.000723			
208	27.3	-1.9	1.8	.97881	591.1	.00213	.000465			
209	35.0	4.2	2.0	.94090	576.8	.00436	.000953			
210	36.0	3.0	2.0	1.01170	605.1	.00047	.000103			
211	36.0	.0	2.0	1.01449	607.1	.00049	.000107			
212	36.0	-3.0	2.0	.99944	600.8	.00084	.000184			
213	10.0	.0	1.3	.93477	584.1	.00507	.001108	.00493	.001077	
214	10.0	-.9	.9	.93867	588.8	.00569	.001243			
215	18.0	.0	2.4	.95484	579.8	.00306	.000669	.00300	.000656	
216	18.0	-2.1	1.0	.94313	588.8	.00614	.001342			
217	23.8	.0	1.5	1.00278	606.1	.00203	.000444			
218	27.2	.0	.6	.99442	602.8	.00249	.000544			
219	30.2	.0	2.0	.96766	592.8	.00441	.000964			
220	30.5	.0	2.9	.97156	600.1	.00596	.001302			
221	30.5	1.0	2.9	.97324	601.8	.00600	.001311			
222	33.0	.0	4.3	.93867	582.5	.00655	.001431			
223	35.0	.0	4.6	.95094	593.5	.00608	.001329			
224	35.0	-4.2	2.0	.94815	589.1	.00676	.001477			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

5. Engine Fairing; $\alpha = 5^{o}$ - Continued

(c) $M = 2.65$; $R = 1.29 \times 10^{6}$; $T_t = 705^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.96202	582.1	.00216	.000933			1.00
2	2.0	.0		.96091	581.8	.00220	.000950			1.02
3	2.0	12.0		.95923	581.1	.00223	.000963			1.04
4	8.0	.0		.95141	576.1	.00227	.000980			1.02
5	9.0	.0		.95197	576.5	.00221	.000954	.00224	.000967	1.03
6	10.0	.0		.95030	575.5	.00224	.000967	.00221	.000954	.98
7	11.0	.0		.95141	576.1	.00226	.000976	.00229	.000989	1.04
8	11.5	.0		.95141	576.1	.00220	.000950	.00220	.000950	1.00
9	12.0	1.0		.95030	575.5	.00220	.000950	.00219	.000946	1.01
10	12.0	3.0		.95141	576.8	.00228	.000984	.00229	.000989	.98
11	12.0	5.0		.95085	575.8	.00219	.000946			1.00
12	14.0	4.0		.95309	577.1	.00218	.000941	.00218	.000941	1.01
13	14.0	1.0		.95700	580.5	.00193	.000833	.00206	.000889	.89
14	14.0	.0		.95197	576.5	.00223	.000963	.00211	.000911	1.06
15	14.0	-1.0		.95588	578.1	.00212	.000915	.00216	.000933	.99
16	14.0	-2.0		.95532	578.1	.00204	.000881	.00211	.000911	.81
17	13.0	-2.0		.95253	576.8	.00219	.000946			1.07
18	12.0	-3.0		.95365	577.1	.00216	.000933			1.03
19	14.0	-3.0		.95030	575.1	.00219	.000946	.00210	.000907	1.06
20	14.0	-4.0		.95141	575.8	.00214	.000924	.00214	.000924	1.02
21	16.0	-4.0		.95197	575.8	.00213	.000920	.00211	.000911	1.01
22	14.0	-6.0		.95365	577.1	.00209	.000902	.00210	.000907	1.00
23	14.0	-8.0		.95141	575.8	.00217	.000937	.00216	.000933	1.07
24	14.0	-12.0		.95588	578.1	.00212	.000915			1.02
25	16.0	-8.0		.95476	577.5	.00203	.000877	.00206	.000889	1.00
26	18.0	-8.0		.94974	574.1	.00211	.000911	.00207	.000894	1.02
27	16.0	-2.0		.95588	578.5	.00214	.000924	.00214	.000924	1.09
28	18.0	-2.0		.95588	579.1	.00226	.000976	.00224	.000967	1.05
29	20.0	-3.0		.95755	579.8	.00223	.000963	.00214	.000924	1.10
30	18.0	-4.0		.95420	577.1	.00201	.000868	.00200	.000864	.98
31	20.0	-4.0		.95700	579.1	.00214	.000924	.00218	.000941	1.03
32	20.0	-5.0		.95365	577.1	.00199	.000859	.00194	.000838	.97
33	20.0	-6.0		.95365	576.8	.00208	.000898	.00209	.000902	1.05
34	20.0	-7.0		.95309	576.1	.00211	.000911	.00205	.000885	1.10
35	20.0	-8.0		.95644	578.5	.00207	.000894			1.01
36	20.0	-12.0		.95532	577.8	.00211	.000911			1.00
37	14.0	5.0		.95253	577.1	.00226	.000976	.00227	.000980	1.04
38	14.0	6.0		.95141	576.8	.00226	.000976			1.03
39	32.0	8.0		.95365	577.8	.00223	.000963	.00222	.000959	1.05
40	32.0	10.0		.95141	576.5	.00224	.000967	.00223	.000963	1.04
41	32.0	12.0		.95309	577.1	.00205	.000885			.94
42	50.0	-8.0		.95811	583.5	.00316	.001364			1.50
43	50.0	-5.0		.98994	592.8	.00064	.000276			.31
44	50.0	.0		1.00614	601.5	.00034	.000147			.16
45	50.0	6.0		.96091	582.1	.00223	.000963			1.04
46	58.0	.0		.98994	592.1	.00045	.000194			.21
47	58.0	6.0		.95253	576.5	.00216	.000933			.96
48	58.0	12.0		.95755	579.8	.00218	.000941			1.01
73	14.0	2.0		.95476	575.8	.00152	.000656			.69
74	16.0	.0		.95979	581.8	.00221	.000954	.00222	.000959	1.05
75	18.0	.0		.96705	584.5	.00174	.000751	.00173	.000747	.82
76	20.0	.0		.98548	589.5	.00071	.000307			.34
77	20.0	-1.0		.96537	584.1	.00212	.000915	.00205	.000885	1.02
78	20.0	-2.0		.96202	582.8	.00223	.000963	.00226	.000976	1.06
79	32.0	-4.0		.97319	590.8	.00254	.001097			1.30
80	32.0	-5.0		.96537	583.8	.00198	.000855			.97
81	32.0	4.0		.96370	583.5	.00213	.000920			1.05
82	32.0	6.0		.95979	580.8	.00208	.000898	.00208	.000898	1.00
84	42.0	-6.0		.96872	590.8	.00313	.001351			1.53
85	6.0	.0		.95476	582.1	.00315	.001360			1.09
86	6.0	5.0		.95365	578.5	.00212	.000915			.66
87	6.0	10.0		.95365	580.5	.00265	.001144			.84
88	12.0	.0		.95644	581.5	.00269	.001161			1.06
89	12.0	5.0		.95365	581.1	.00305	.001317			1.12
90	12.0	10.0		.95420	581.5	.00305	.001317			1.07
91	18.0	.0		.95532	579.5	.00252	.001088			1.06
92	30.0	.0		.95476	578.8	.00232	.001002			1.03
93	42.0	.0		.95755	579.5	.00214	.000924			1.01
201	2.0	.0	.3	.93354	569.5	.00317	.001369			
202	6.0	.0	.8	.94248	574.5	.00298	.001287	.00298	.001287	
203	10.0	.9	.9	.95253	583.5	.00263	.001136			
204	14.0	.0	1.8	.94974	579.8	.00302	.001304	.00302	.001304	
205	18.0	2.1	1.0	.96649	587.8	.00232	.001002			
206	22.9	.0	2.0	1.00223	602.8	.00083	.000358			
207	27.3	1.9	1.8	.98603	596.1	.00204	.000881			
208	27.3	-1.9	1.8	.98436	591.8	.00108	.000466			
209	35.0	4.2	2.0	.95476	580.8	.00222	.000959			
210	36.0	3.0	2.0	1.01228	605.1	.00031	.000134			
211	36.0	.0	2.0	1.01731	607.8	.00032	.000138			
212	36.0	-3.0	2.0	1.00446	600.8	.00040	.000173			
213	10.0	.0	1.3	.94415	575.8	.00305	.001317	.00293	.001265	
214	10.0	-.9	.9	.94862	581.8	.00329	.001421			
215	18.0	.0	2.4	.96258	580.8	.00190	.000820	.00186	.000803	
216	18.0	-2.1	1.0	.95420	583.5	.00365	.001576			
217	23.8	.0	1.5	1.00837	606.1	.00112	.000484			
218	27.2	.0	.6	1.00167	605.5	.00127	.000548			
219	30.2	.0	2.0	.97319	590.5	.00248	.001071			
220	30.5	.0	2.9	.97263	593.8	.00332	.001434			
221	30.5	1.0	2.9	.97542	596.1	.00337	.001455			
222	33.0	.0	4.3	.94694	579.8	.00372	.001606			
223	35.0	.0	4.6	.96314	590.8	.00324	.001399			
224	35.0	-4.2	2.0	.95811	586.8	.00344	.001485			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

5. Engine Fairing; $\alpha = 5^{o}$ - Continued

(d) M = 3.51; R = 3.94×10^{6}; $T_t = 715^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94275	574.8	.00296	.000580			.94
2	2.0	.0		.94050	573.8	.00304	.000596			.93
3	2.0	12.0		.93882	572.1	.00298	.000584			.93
4	8.0	.0		.93265	569.5	.00311	.000609			.95
5	9.0	.0		.93265	569.1	.00306	.000599	.00310	.000607	.93
6	10.0	.0		.92984	567.5	.00310	.000607	.00304	.000596	.97
7	11.0	.0		.93152	568.5	.00305	.000598	.00311	.000609	.93
8	11.5	.0		.93040	567.8	.00307	.000601	.00306	.000599	.92
9	12.0	1.0		.93096	568.8	.00313	.000613	.00312	.000611	.98
10	12.0	3.0		.93265	570.1	.00318	.000623	.00319	.000625	.96
11	12.0	5.0		.93152	568.8	.00313	.000613			.95
12	14.0	4.0		.93321	569.8	.00304	.000596	.00304	.000596	.92
13	14.0	1.0		.93994	574.1	.00269	.000527	.00285	.000558	.86
14	14.0	.0		.93265	568.8	.00304	.000596	.00288	.000564	.95
15	14.0	-1.0		.93545	570.8	.00296	.000580	.00300	.000588	.90
16	14.0	-2.0		.93657	570.5	.00299	.000586	.00307	.000601	.94
17	13.0	-2.0		.93377	569.5	.00301	.000590			.97
18	12.0	-3.0		.93489	569.8	.00304	.000596			.97
19	14.0	-3.0		.93096	567.8	.00297	.000582	.00289	.000566	.93
20	14.0	-4.0		.93208	568.5	.00303	.000594	.00303	.000594	.94
21	16.0	-4.0		.93265	568.5	.00294	.000576	.00293	.000574	.96
22	14.0	-6.0		.93489	570.8	.00311	.000609	.00313	.000613	.96
23	14.0	-8.0		.93377	569.5	.00291	.000570	.00290	.000568	.95
24	14.0	-12.0		.93714	571.5	.00300	.000588			.95
25	16.0	-8.0		.93601	570.8	.00299	.000586	.00302	.000592	.94
26	18.0	-8.0		.93096	567.5	.00287	.000562	.00282	.000552	.95
27	16.0	-2.0		.93489	570.1	.00295	.000578	.00292	.000572	.95
28	18.0	-2.0		.93826	572.5	.00313	.000613	.00313	.000613	.94
29	20.0	-3.0		.93714	571.5	.00313	.000613	.00302	.000592	1.02
30	18.0	-4.0		.93377	568.8	.00285	.000558	.00283	.000554	.94
31	20.0	-4.0		.93601	570.5	.00301	.000590	.00301	.000590	.98
32	20.0	-5.0		.93377	569.5	.00297	.000582	.00294	.000576	.97
33	20.0	-6.0		.93433	569.8	.00296	.000580	.00297	.000582	.93
34	20.0	-7.0		.93489	569.8	.00292	.000572	.00286	.000560	.98
35	20.0	-8.0		.93882	572.1	.00283	.000554			.93
36	20.0	-12.0		.93770	572.1	.00293	.000574			.92
37	14.0	5.0		.93377	570.1	.00307	.000601	.00309	.000605	.94
38	14.0	6.0		.93321	570.1	.00313	.000613			.98
39	32.0	8.0		.93433	570.5	.00315	.000617	.00315	.000617	.95
40	32.0	10.0		.93208	568.8	.00313	.000613	.00312	.000611	.96
41	32.0	12.0		.93208	568.1	.00295	.000578			.93
42	50.0	-8.0		.94433	580.5	.00533	.001044			1.68
43	50.0	-5.0		.97811	583.8	.00063	.000123			.21
44	50.0	.0		1.00224	595.8	.00030	.000059			.09
45	50.0	6.0		.94612	579.1	.00338	.000662			1.10
46	58.0	.0		.98091	586.1	.00075	.000147			.24
47	58.0	6.0		.93938	574.5	.00324	.000635			1.03
48	58.0	12.0		.93994	573.5	.00308	.000603			.96
73	14.0	2.0		.93657	567.5	.00223	.000437			.69
74	16.0	.0		.93994	575.1	.00315	.000617	.00317	.000621	.97
75	18.0	.0		.94780	578.5	.00266	.000521	.00264	.000517	.86
76	20.0	.0		.96744	579.1	.00123	.000241			.38
77	20.0	-1.0		.94499	577.5	.00321	.000629	.00324	.000635	1.04
78	20.0	-2.0		.94050	574.8	.00331	.000648	.00332	.000650	1.03
79	32.0	-4.0		.94892	585.8	.00427	.000837			1.40
80	32.0	-5.0		.94555	577.8	.00336	.000658			1.04
81	32.0	4.0		.94050	575.1	.00316	.000619			1.03
82	32.0	6.0		.93826	572.8	.00303	.000594	.00303	.000594	.96
83	42.0	-5.0		.96071	591.5	.00254	.000498			.84
84	42.0	-6.0		.94050	585.8	.00543	.001064			1.78
85	6.0	.0		.93938	577.1	.00378	.000741			.94
86	6.0	5.0		.93882	577.8	.00402	.000788			.94
87	6.0	10.0		.93882	577.1	.00399	.000782			.97
88	12.0	.0		.93882	575.1	.00341	.000668			.92
89	12.0	5.0		.93714	575.1	.00354	.000694			.94
90	12.0	10.0		.93657	574.5	.00355	.000695			.93
91	18.0	.0		.93714	573.5	.00334	.000654			.97
92	30.0	.0		.93657	572.5	.00321	.000629			.95
93	42.0	.0		.93826	572.1	.00283	.000554			.94
201	2.0	.0	.3	.91412	566.8	.00470	.000921			
202	6.0	.0	.8	.91749	572.8	.00468	.000917	.00468	.000917	
203	10.0	.9	.9	.92816	572.5	.00406	.000795			
204	14.0	.0	1.8	.92591	575.5	.00484	.000948	.00485	.000950	
205	18.0	2.1	1.0	.94275	585.1	.00308	.000603			
206	22.9	.0	2.0	1.00617	606.5	.00148	.000290			
207	27.3	1.9	1.8	.98877	601.8	.00271	.000531			
208	27.5	-1.9	1.8	.98204	592.5	.00180	.000353			
209	35.0	4.2	2.0	.94219	578.1	.00294	.000576			
210	36.0	3.0	2.0	1.00561	598.5	.00030	.000059			
211	36.0	.0	2.0	1.01234	601.8	.00027	.000053			
212	36.0	-3.0	2.0	.99607	593.5	.00049	.000096			
213	10.0	.0	1.3	.91861	570.1	.00483	.000946	.00472	.000925	
214	10.0	-.9	.9	.91918	574.1	.00544	.001066			
215	18.0	.0	2.4	.94555	575.1	.00280	.000549	.00277	.000543	
216	18.0	-2.1	1.0	.92479	588.8	.00522	.001023			
217	23.8	.0	1.5	1.01122	609.8	.00158	.000310			
218	27.2	.0	.6	.99438	601.1	.00179	.000351			
219	30.2	.0	2.0	.96576	595.8	.00310	.000607			
220	30.5	.0	2.9	.96800	597.8	.00437	.000856			
221	30.5	1.0	2.9	.96800	602.5	.00460	.000901			
222	33.0	.0	4.3	.92928	582.1	.00498	.000976			
223	35.0	.0	4.6	.93882	583.5	.00498	.000976			
224	35.0	-4.2	2.0	.93321	589.1	.00590	.001156			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

5. Engine Fairing; $\alpha = 5^{\circ}$ - Continued

(e) M = 3.51; $R = 2.81 \times 10^6$; $T_t = 707^{\circ}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}R$	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95334	567.8	.00231	.000639			1.04
2	2.0	.0		.94993	566.8	.00237	.000656			1.02
3	2.0	12.0		.94879	565.1	.00237	.000656			1.04
4	8.0	.0		.94083	561.1	.00242	.000669			1.04
5	9.0	.0		.94026	561.1	.00243	.000672	.00246	.000680	1.04
6	10.0	.0		.93798	559.5	.00238	.000658	.00233	.000645	1.04
7	11.0	.0		.93912	560.5	.00240	.000664	.00246	.000680	1.03
8	11.5	.0		.93798	559.8	.00240	.000664	.00239	.000661	1.03
9	12.0	1.0		.93912	560.5	.00245	.000678	.00245	.000678	1.05
10	12.0	3.0		.94083	561.8	.00247	.000683	.00248	.000686	1.01
11	12.0	5.0		.93912	560.8	.00241	.000667			1.04
12	14.0	4.0		.94140	561.8	.00240	.000664	.00240	.000664	1.06
13	14.0	1.0		.94652	566.1	.00215	.000595	.00233	.000645	.95
14	14.0	.0		.94026	560.8	.00238	.000658	.00225	.000622	1.09
15	14.0	-1.0		.94424	562.8	.00236	.000653	.00239	.000661	1.05
16	14.0	-2.0		.94481	562.8	.00226	.000625	.00234	.000647	1.02
17	13.0	-2.0		.94197	561.8	.00237	.000656			1.07
18	12.0	-3.0		.94367	562.1	.00237	.000656			1.07
19	14.0	-3.0		.93969	560.1	.00225	.000622	.00218	.000603	1.01
20	14.0	-4.0		.94026	560.8	.00237	.000656	.00237	.000656	1.04
21	16.0	-4.0		.94083	560.8	.00223	.000617	.00222	.000614	1.05
22	14.0	-6.0		.94310	562.5	.00238	.000658	.00240	.000664	1.04
23	14.0	-8.0		.94140	561.1	.00228	.000631	.00227	.000628	1.03
24	14.0	-12.0		.94538	563.1	.00221	.000611			.98
25	16.0	-8.0		.94424	562.8	.00234	.000647	.00237	.000656	1.10
26	18.0	-8.0		.93912	559.8	.00222	.000614	.00219	.000606	1.01
27	16.0	-2.0		.94424	562.5	.00236	.000653	.00233	.000645	1.03
28	18.0	-2.0		.94709	564.8	.00237	.000656	.00237	.000656	1.08
29	20.0	-3.0		.94538	563.8	.00243	.000672	.00234	.000647	1.09
30	18.0	-4.0		.94254	561.5	.00221	.000611	.00219	.000606	1.00
31	20.0	-4.0		.94424	563.1	.00235	.000650	.00236	.000653	1.06
32	20.0	-5.0		.94254	561.5	.00231	.000639	.00228	.000631	1.07
33	20.0	-6.0		.94254	561.8	.00230	.000636	.00231	.000639	1.12
34	20.0	-7.0		.94254	561.8	.00220	.000609	.00214	.000592	1.01
35	20.0	-8.0		.94652	564.1	.00232	.000642			1.07
36	20.0	-12.0		.94538	563.5	.00229	.000633			1.04
37	14.0	5.0		.94197	562.1	.00243	.000672	.00244	.000675	1.04
38	14.0	6.0		.94083	561.8	.00240	.000664			1.03
39	32.0	8.0		.94254	562.1	.00244	.000675	.00244	.000675	1.05
40	32.0	10.0		.94026	560.8	.00242	.000669	.00242	.000669	1.05
41	32.0	12.0		.94026	560.1	.00228	.000631			.98
42	50.0	-8.0		.94026	568.1	.00416	.001151			2.00
43	50.0	-5.0		.98805	579.8	.00051	.000141			.24
44	50.0	.0		1.01307	593.8	.00021	.000058			.09
45	50.0	6.0		.95334	570.1	.00263	.000728			1.16
46	58.0	.0		.98862	581.1	.00063	.000174			.28
47	58.0	6.0		.94766	566.1	.00263	.000728			1.14
48	58.0	12.0		.94709	564.5	.00233	.000645			1.04
73	14.0	2.0		.94197	559.5	.00172	.000476			.75
74	16.0	.0		.94766	568.5	.00266	.000736	.00267	.000739	1.18
75	18.0	.0		.95562	571.5	.00213	.000589	.00213	.000589	.95
76	20.0	.0		.97610	574.1	.00082	.000227			.37
77	20.0	-1.0		.95278	568.8	.00247	.000683	.00242	.000669	1.10
78	20.0	-2.0		.94879	566.8	.00251	.000694	.00252	.000697	1.17
79	32.0	-4.0		.95676	575.5	.00338	.000935			1.54
80	32.0	-5.0		.95334	569.1	.00257	.000711			1.13
81	32.0	4.0		.94936	567.1	.00272	.000752			1.22
82	32.0	6.0		.94595	564.5	.00228	.000631	.00228	.000631	.99
83	42.0	-5.0		.97439	578.5	.00190	.000526			.87
84	42.0	-6.0		.94936	574.8	.00464	.001284			2.10
85	6.0	.0		.94367	566.8	.00317	.000877			1.04
86	6.0	5.0		.94367	567.5	.00329	.000910			1.01
87	6.0	10.0		.94310	566.8	.00334	.000924			1.03
88	12.0	.0		.94424	568.1	.00294	.000813			1.09
89	12.0	5.0		.94310	565.5	.00289	.000799			1.02
90	12.0	10.0		.94197	564.8	.00297	.000822			1.03
91	18.0	.0		.94310	564.1	.00271	.000750			1.05
92	30.0	.0		.94367	563.5	.00246	.000680			1.00
93	42.0	.0		.94595	563.8	.00220	.000609			1.00
201	2.0	.0	.3	.91580	552.5	.00366	.001012			
202	6.0	.0	.8	.92433	564.1	.00375	.001037	.00376	.001040	
203	10.0	.9	.9	.93685	563.1	.00342	.000946			
204	14.0	.0	1.8	.93343	570.1	.00373	.001032	.00374	.001035	
205	18.0	2.1	1.0	.95221	570.1	.00293	.000810			
206	22.9	.0	2.0	.99943	592.8	.00113	.000313			
207	27.3	1.9	1.8	.98691	593.5	.00205	.000567			
208	27.3	-1.9	1.8	.98122	581.1	.00152	.000420			
209	35.0	4.2	2.0	.95164	572.1	.00225	.000622			
210	36.0	3.0	2.0	1.01307	594.5	.00029	.000080			
212	36.0	-3.0	2.0	1.00398	589.5	.00042	.000116			
213	10.0	.0	1.3	.92547	565.1	.00375	.001037	.00362	.001001	
214	10.0	-.9	.9	.92661	566.1	.00458	.001267			
215	18.0	.0	2.4	.95107	566.1	.00234	.000647	.00231	.000639	
216	18.0	-2.1	1.0	.93286	570.8	.00473	.001308			
217	23.8	.0	1.5	1.00511	594.5	.00124	.000343			
218	27.2	.0	.6	.99886	594.8	.00148	.000409			
219	30.2	.0	2.0	.96870	578.8	.00268	.000741			
220	30.5	.0	2.9	.96870	582.8	.00368	.001018			
221	30.5	1.0	2.9	.96870	590.1	.00364	.001007			
222	33.0	.0	4.3	.93514	566.5	.00435	.001203			
223	35.0	.0	4.6	.94709	575.8	.00399	.001104			
224	35.0	-4.2	2.0	.93969	579.5	.00471	.001303			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

5. Engine Fairing; $\alpha = 5^{o}$ - Continued

(f) $M = 3.51$; $R = 1.63 \times 10^{6}$; $T_t = 702^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.96257	572.1	.00138	.000663			.94
2	2.0	.0		.95974	571.1	.00155	.000745			1.03
3	2.0	12.0		.95804	569.5	.00139	.000668			.94
4	8.0	.0		.94897	564.8	.00157	.000754			.96
5	9.0	.0		.94897	566.1	.00157	.000754	.00154	.000740	1.04
6	10.0	.0		.94670	563.1	.00142	.000682	.00137	.000658	.89
7	11.0	.0		.94783	564.1	.00147	.000706	.00153	.000735	.98
8	11.5	.0		.94670	563.5	.00145	.000697	.00143	.000687	.91
9	12.0	1.0		.94783	564.1	.00157	.000754	.00156	.000749	.95
10	12.0	3.0		.94953	565.5	.00150	.000721	.00151	.000725	.91
11	12.0	5.0		.94840	564.1	.00142	.000682			.89
12	14.0	4.0		.95067	565.5	.00156	.000749	.00156	.000749	.98
13	14.0	1.0		.95294	566.1	.00127	.000610	.00134	.000644	.86
14	14.0	.0		.94840	564.1	.00157	.000754	.00147	.000706	.99
15	14.0	-1.0		.95294	566.5	.00140	.000673	.00144	.000692	.95
16	14.0	-2.0		.95350	566.8	.00155	.000745	.00163	.000783	.97
17	13.0	-2.0		.95067	565.5	.00145	.000697			.98
18	12.0	-3.0		.95237	566.1	.00155	.000745			1.04
19	14.0	-3.0		.94840	563.8	.00141	.000677	.00134	.000644	.89
20	14.0	-4.0		.94897	564.5	.00141	.000677	.00141	.000677	.89
21	16.0	-4.0		.95067	564.8	.00138	.000663	.00137	.000658	.87
22	14.0	-6.0		.95180	566.1	.00141	.000677	.00142	.000682	.89
23	14.0	-8.0		.95010	565.1	.00139	.000668	.00138	.000663	.88
24	14.0	-12.0		.95350	568.1	.00138	.000663			.92
25	16.0	-8.0		.95294	566.8	.00156	.000749	.00158	.000759	1.06
26	18.0	-8.0		.94840	563.8	.00139	.000668	.00135	.000649	.95
27	16.0	-2.0		.95294	566.5	.00140	.000673	.00138	.000663	.95
28	18.0	-2.0		.95634	569.1	.00156	.000749	.00157	.000754	1.10
29	20.0	-3.0		.95464	568.1	.00156	.000749	.00151	.000725	.99
30	18.0	-4.0		.95180	566.8	.00138	.000663	.00137	.000658	.87
31	20.0	-4.0		.95464	567.5	.00138	.000663	.00139	.000668	.98
32	20.0	-5.0		.95180	565.8	.00139	.000668	.00135	.000649	.93
33	20.0	-6.0		.95180	566.1	.00137	.000658	.00138	.000663	.97
34	20.0	-7.0		.95180	565.8	.00138	.000663	.00133	.000639	.99
35	20.0	-8.0		.95577	568.1	.00138	.000663			.87
36	20.0	-12.0		.95407	567.5	.00156	.000749			.99
37	14.0	5.0		.95067	565.8	.00157	.000754	.00159	.000764	1.04
38	14.0	6.0		.94953	565.5	.00147	.000706			.97
39	32.0	8.0		.95124	567.1	.00156	.000749	.00149	.000716	1.04
40	32.0	10.0		.94897	564.5	.00156	.000749	.00156	.000749	1.04
41	32.0	12.0		.94897	564.1	.00156	.000749			1.09
42	50.0	-8.0		.95010	569.8	.00243	.001167			1.74
43	50.0	-5.0		.98809	582.5	.00051	.000245			.32
45	50.0	6.0		.96257	573.5	.00160	.000769			1.01
46	58.0	.0		.99433	585.8	.00045	.000216			.33
47	58.0	6.0		.95804	570.8	.00161	.000773			1.09
48	58.0	12.0		.95634	568.8	.00143	.000687			1.03
73	14.0	2.0		.95010	563.5	.00100	.000480			.66
74	16.0	.0		.95464	568.8	.00157	.000754	.00158	.000759	1.05
75	18.0	.0		.96031	572.1	.00126	.000605	.00124	.000596	.79
76	20.0	.0		.97902	576.8	.00060	.000288			.38
77	20.0	-1.0		.96031	571.5	.00159	.000764	.00152	.000730	1.07
78	20.0	-2.0		.95747	570.5	.00163	.000783	.00165	.000793	1.03
79	32.0	-4.0		.96654	578.1	.00201	.000966			1.45
80	32.0	-5.0		.96201	572.5	.00154	.000740			1.05
81	32.0	4.0		.95917	571.1	.00155	.000745			.98
82	32.0	6.0		.95520	568.5	.00146	.000701	.00146	.000701	.92
83	42.0	-5.0		.98639	583.5	.00082	.000394			.59
84	42.0	-6.0		.96201	578.1	.00266	.001278			1.69
85	6.0	.0		.94897	568.8	.00231	.001110			.90
86	6.0	5.0		.94897	569.5	.00244	.001172			.88
87	6.0	10.0		.94783	568.8	.00244	.001172			.97
88	12.0	.0		.95067	568.1	.00187	.000898			.94
89	12.0	5.0		.94953	567.5	.00196	.000942			.96
90	12.0	10.0		.94840	567.1	.00204	.000980			.96
91	18.0	.0		.94953	566.8	.00175	.000841			.99
92	30.0	.0		.95067	566.5	.00165	.000793			.96
93	42.0	.0		.95294	567.1	.00156	.000749			1.07
201	2.0	.0	.3	.92062	552.5	.00244	.001172			
202	6.0	.0	.8	.93026	559.8	.00223	.001071	.00223	.001071	
203	10.0	.9	.9	.94613	566.1	.00216	.001038			
204	14.0	.0	1.8	.94160	565.8	.00259	.001244	.00259	.001244	
205	18.0	2.1	1.0	.96257	574.1	.00166	.000797			
206	22.9	.0	2.0	1.00169	591.8	.00064	.000307			
208	27.3	-1.9	1.8	.98355	581.8	.00091	.000437			
209	35.0	4.2	2.0	.96031	571.5	.00155	.000745			
210	36.0	3.0	2.0	1.01586	597.8	.00018	.000086			
211	36.0	.0	2.0	1.02209	601.1	.00015	.000072			
212	36.0	-3.0	2.0	1.00736	592.8	.00023	.000110			
213	10.0	.0	1.3	.93479	561.1	.00240	.001153	.00229	.001100	
214	10.0	-.9	.9	.93649	567.8	.00258	.001239			
215	18.0	.0	2.4	.95634	568.5	.00148	.000711	.00145	.000697	
216	18.0	-2.1	1.0	.94386	571.5	.00287	.001379			
217	23.8	.0	1.5	1.00849	596.1	.00080	.000384			
218	27.2	.0	.6	1.00283	595.1	.00097	.000466			
219	30.2	.0	2.0	.97165	579.1	.00160	.000769			
220	30.5	.0	2.9	.96768	579.5	.00233	.001119			
221	30.5	1.0	2.9	.96995	583.8	.00248	.001191			
222	33.0	.0	4.3	.93933	567.1	.00261	.001254			
223	35.0	.0	4.6	.95634	574.5	.00254	.001220			
224	35.0	-4.2	2.0	.94783	575.1	.00302	.001451			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

5. Engine Fairing; $\alpha = 5^{o}$ - Continued

(g) M = 4.44; R = 4.54×10^{6}; $T_t = 679^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.93536	568.1	.00205	.000521			1.05
2	2.0	.0		.93759	570.8	.00203	.000516			.98
3	2.0	12.0		.93313	565.8	.00215	.000546			1.17
4	8.0	.0		.92868	562.1	.00212	.000538			1.03
5	9.0	.0		.92812	561.8	.00195	.000495	.00209	.000531	.92
6	10.0	.0		.92088	557.8	.00206	.000523	.00177	.000450	.93
7	11.0	.0		.92700	561.1	.00205	.000521	.00235	.000597	.97
8	11.5	.0		.92478	559.8	.00213	.000541	.00208	.000528	1.01
9	12.0	1.0		.92645	560.8	.00194	.000493	.00192	.000488	.91
10	12.0	3.0		.92979	563.1	.00206	.000523	.00217	.000551	1.01
11	12.0	5.0		.92589	561.1	.00192	.000488			.87
12	14.0	4.0		.92979	563.1	.00189	.000480	.00191	.000485	.95
13	14.0	1.0		.93202	563.1	.00160	.000406	.00178	.000452	.75
14	14.0	.0		.92812	561.5	.00193	.000490	.00174	.000442	.95
15	14.0	-1.0		.93369	567.1	.00210	.000533	.00216	.000549	.99
16	14.0	-2.0		.93592	567.5	.00188	.000478	.00234	.000594	.97
17	13.0	-2.0		.92923	562.5	.00191	.000485			.96
18	12.0	-3.0		.93090	566.1	.00214	.000544			1.00
19	14.0	-3.0		.92645	561.1	.00214	.000544	.00198	.000503	1.08
20	14.0	-4.0		.92700	561.1	.00192	.000488	.00190	.000483	.96
21	16.0	-4.0		.92645	560.8	.00213	.000541	.00209	.000531	1.08
22	14.0	-6.0		.93035	565.8	.00206	.000523	.00216	.000549	.97
23	14.0	-8.0		.92756	564.8	.00195	.000495	.00193	.000490	.92
24	14.0	-12.0		.92979	565.8	.00215	.000546			1.08
25	16.0	-8.0		.92923	562.8	.00213	.000541	.00218	.000554	1.07
26	18.0	-8.0		.92088	558.8	.00206	.000523	.00195	.000495	.98
27	16.0	-2.0		.93202	564.1	.00212	.000538	.00207	.000526	1.09
28	18.0	-2.0		.94205	571.5	.00201	.000511	.00209	.000531	1.26
29	20.0	-3.0		.93425	566.8	.00212	.000538	.00197	.000500	1.07
30	18.0	-4.0		.92923	562.5	.00187	.000475	.00183	.000465	.95
31	20.0	-4.0		.93480	565.8	.00211	.000536	.00226	.000574	1.08
32	20.0	-5.0		.92700	561.1	.00197	.000500	.00175	.000445	.99
33	20.0	-6.0		.92868	563.1	.00203	.000516	.00208	.000528	1.10
34	20.0	-7.0		.92812	561.8	.00197	.000500	.00184	.000467	.93
35	20.0	-8.0		.93258	564.5	.00182	.000462			.97
36	20.0	-12.0		.93146	566.5	.00198	.000503			.93
37	14.0	5.0		.93090	563.8	.00186	.000472	.00190	.000483	.93
38	14.0	6.0		.92868	563.1	.00216	.000549			1.01
39	32.0	8.0		.93146	564.5	.00214	.000544	.00215	.000546	1.12
40	32.0	10.0		.92756	562.1	.00193	.000490	.00191	.000485	1.03
41	32.0	12.0		.92812	562.1	.00188	.000478			1.03
42	50.0	-8.0		.92199	564.8	.00397	.001008			2.23
44	50.0	.0		.97604	585.1	.00052	.000132			.28
45	50.0	6.0		.94261	572.1	.00241	.000612			1.35
46	58.0	.0		.96712	579.8	.00049	.000124			.28
47	58.0	6.0		.92478	562.8	.00261	.000663			1.46
48	58.0	12.0		.93536	567.8	.00204	.000518			1.13
73	14.0	2.0		.92700	561.8	.00141	.000358			.70
74	16.0	.0		.93369	565.8	.00224	.000569	.00226	.000574	1.10
75	18.0	.0		.93648	566.5	.00171	.000434	.00168	.000427	.86
76	20.0	.0		.95152	570.5	.00076	.000193			.38
77	20.0	-1.0		.93648	569.8	.00213	.000541	.00204	.000518	1.01
78	20.0	-2.0		.93592	567.1	.00220	.000559	.00224	.000569	1.11
79	32.0	-4.0		.94205	574.5	.00315	.000800			1.59
80	32.0	-5.0		.93759	568.8	.00240	.000610			1.30
81	32.0	4.0		.93592	570.8	.00207	.000526			1.14
82	32.0	6.0		.93480	565.8	.00186	.000472	.00186	.000472	1.01
83	42.0	-5.0		.95263	575.8	.00155	.000394			.86
84	42.0	-6.0		.92868	569.1	.00391	.000993			2.18
85	6.0	.0		.93090	566.1	.00283	.000719			1.00
86	6.0	5.0		.93202	567.5	.00260	.000660			.96
87	6.0	10.0		.93035	567.5	.00269	.000683			.92
88	12.0	.0		.93146	565.1	.00232	.000589			.94
89	12.0	5.0		.93258	569.1	.00220	.000559			.88
90	12.0	10.0		.93035	566.5	.00251	.000638			.99
91	18.0	.0		.92923	563.5	.00231	.000587			1.07
92	30.0	.0		.92868	566.1	.00207	.000526			.93
93	42.0	.0		.93202	563.8	.00187	.000475			.94
201	2.0	.0	.5	.90360	551.5	.00315	.000800			
202	6.0	.0	.8	.90639	554.1	.00358	.000909	.00358	.000909	
203	10.0	.9	.9	.92032	562.8	.00273	.000693			
204	14.0	.0	1.8	.91475	559.8	.00344	.000874	.00345	.000876	
205	18.0	2.1	1.0	.93369	567.1	.00205	.000521			
206	22.9	.0	2.0	.98161	589.8	.00090	.000229			
207	27.3	1.9	1.8	.96991	586.5	.00201	.000511			
208	27.3	-1.9	1.8	.96211	581.8	.00133	.000338			
209	35.0	4.2	2.0	.94149	569.1	.00163	.000414			
210	36.0	3.0	2.0	.98607	590.1	.00036	.000091			
211	36.0	.0	2.0	.98662	591.1	.00039	.000099			
212	36.0	-3.0	2.0	.97659	584.8	.00039	.000099			
213	10.0	.0	1.3	.90472	555.1	.00363	.000922	.00317	.000805	
214	10.0	-.9	.9	.90806	557.8	.00407	.001034			
215	18.0	.0	2.4	.93035	566.1	.00204	.000518	.00204	.000518	
216	18.0	-2.1	1.0	.91029	559.1	.00423	.001074			
217	23.8	.0	1.5	.98885	594.5	.00090	.000229			
218	27.2	.0	.6	.97882	589.8	.00138	.000351			
219	30.2	.0	2.0	.95431	580.1	.00208	.000528			
220	30.5	.0	2.9	.95486	581.1	.00293	.000744			
221	30.5	1.0	2.9	.95431	581.1	.00305	.000775			
222	33.0	.0	4.3	.92310	564.1	.00364	.000925			
223	35.0	.0	4.6	.93035	569.8	.00334	.000848			
224	35.0	-4.2	2.0	.92199	567.8	.00462	.001173			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

5. Engine Fairing; $\alpha = 5^{o}$ - Continued

(h) $M = 4.44$; $R = 3.21 \times 10^{6}$; $T_t = 677^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94313	568.1	.00157	.000564			1.06
2	2.0	.0		.94480	569.5	.00157	.000564			1.06
3	2.0	12.0		.93923	567.8	.00147	.000528			1.08
4	8.0	.0		.93533	564.5	.00145	.000521			.88
5	9.0	.0		.93533	563.5	.00158	.000568	.00172	.000618	.98
6	10.0	.0		.92808	559.1	.00159	.000571	.00134	.000481	.96
7	11.0	.0		.93365	563.5	.00145	.000521	.00172	.000618	.88
8	11.5	.0		.93198	561.5	.00158	.000568	.00153	.000550	1.05
9	12.0	1.0		.93310	563.1	.00146	.000525	.00144	.000517	.97
10	12.0	3.0		.93644	564.5	.00158	.000568	.00161	.000578	.96
11	12.0	5.0		.93254	562.5	.00160	.000575			1.05
12	14.0	4.0		.93700	565.5	.00145	.000521	.00146	.000525	1.04
13	14.0	1.0		.93811	564.8	.00156	.000560	.00172	.000618	1.04
14	14.0	.0		.93533	564.1	.00145	.000521	.00128	.000460	.97
15	14.0	-1.0		.94034	567.1	.00144	.000517	.00150	.000539	.97
16	14.0	-2.0		.94257	567.5	.00134	.000481	.00166	.000596	.84
17	13.0	-2.0		.93644	563.8	.00138	.000496			.93
18	12.0	-3.0		.93811	564.8	.00138	.000496			.87
19	14.0	-3.0		.93365	562.1	.00157	.000564	.00139	.000499	1.05
20	14.0	-4.0		.93365	563.1	.00145	.000521	.00143	.000514	1.04
21	16.0	-4.0		.93365	562.8	.00144	.000517	.00139	.000499	1.04
22	14.0	-6.0		.93700	564.5	.00158	.000568	.00161	.000578	1.14
23	14.0	-8.0		.93533	564.5	.00132	.000474	.00131	.000471	.96
24	14.0	-12.0		.93756	566.1	.00147	.000528			.99
25	16.0	-8.0		.93644	565.5	.00133	.000478	.00139	.000499	.89
26	18.0	-8.0		.92808	559.5	.00158	.000568	.00134	.000481	1.09
27	16.0	-2.0		.93979	566.5	.00143	.000514	.00138	.000496	1.03
28	18.0	-2.0		.94926	571.8	.00155	.000557	.00163	.000586	1.00
29	20.0	-3.0		.94146	567.1	.00157	.000564	.00154	.000553	1.13
30	18.0	-4.0		.93644	563.8	.00157	.000564	.00153	.000550	1.13
31	20.0	-4.0		.94257	567.1	.00130	.000467	.00146	.000525	.87
32	20.0	-5.0		.93421	563.1	.00144	.000517	.00123	.000442	.99
33	20.0	-6.0		.93644	564.1	.00143	.000514	.00148	.000532	.99
34	20.0	-7.0		.93588	563.1	.00126	.000453	.00116	.000417	.95
35	20.0	-8.0		.94034	565.8	.00125	.000449			.86
36	20.0	-12.0		.93867	566.1	.00144	.000517			.97
37	14.0	5.0		.93756	565.1	.00158	.000568	.00162	.000582	1.12
38	14.0	6.0		.93588	564.1	.00159	.000571			1.13
39	32.0	8.0		.93811	565.5	.00158	.000568	.00158	.000568	1.12
40	32.0	10.0		.93477	563.5	.00134	.000481	.00132	.000474	.98
41	32.0	12.0		.93477	563.8	.00129	.000463			1.02
42	50.0	-8.0		.92752	563.8	.00278	.000999			2.09
45	50.0	6.0		.94592	573.5	.00212	.000762			1.58
46	58.0	.0		.97491	582.8	.00037	.000133			.29
47	58.0	6.0		.93142	563.8	.00205	.000736			1.53
48	58.0	12.0		.94202	569.5	.00133	.000478			1.14
73	14.0	2.0		.93421	563.1	.00103	.000370			.64
74	16.0	.0		.94034	568.1	.00166	.000596	.00168	.000604	1.11
75	18.0	.0		.94257	569.1	.00132	.000474	.00129	.000463	.94
76	20.0	.0		.95595	571.8	.00061	.000219			.39
77	20.0	-1.0		.94202	568.1	.00166	.000596	.00145	.000521	1.19
78	20.0	-2.0		.94257	568.5	.00166	.000596	.00182	.000654	1.11
79	32.0	-4.0		.94871	576.1	.00237	.000851			1.63
80	32.0	-5.0		.94369	569.8	.00182	.000654			1.26
81	32.0	4.0		.94257	568.8	.00159	.000571			1.09
82	32.0	6.0		.94146	568.1	.00144	.000517	.00144	.000517	1.03
83	42.0	-5.0		.95930	576.1	.00088	.000316			.72
84	42.0	-6.0		.93588	569.5	.00311	.001117			2.27
85	6.0	.0		.93533	566.5	.00214	.000769			.99
86	6.0	5.0		.93588	567.5	.00215	.000772			1.03
87	6.0	10.0		.93310	566.8	.00241	.000866			1.18
88	12.0	.0		.93700	566.1	.00186	.000668			1.02
89	12.0	5.0		.93756	567.1	.00188	.000675			1.09
90	12.0	10.0		.93477	566.1	.00199	.000715			1.11
91	18.0	.0		.93533	564.5	.00179	.000643			1.04
92	30.0	.0		.93533	565.1	.00167	.000600			1.00
93	42.0	.0		.93923	565.5	.00135	.000485			.91
201	2.0	.0	.3	.90968	556.5	.00235	.000844			
202	6.0	.0	.8	.91358	558.8	.00250	.000898	.00251	.000902	
203	10.0	.9	.9	.92808	561.8	.00234	.000841			
204	14.0	.0	1.8	.92083	564.1	.00264	.000948	.00265	.000952	
205	18.0	2.1	1.0	.94202	571.8	.00156	.000560			
206	22.9	.0	2.0	.98550	589.8	.00063	.000226			
207	27.3	1.9	1.8	.97268	586.5	.00139	.000499			
208	27.3	-1.9	1.8	.96710	580.8	.00096	.000345			
209	35.0	4.2	2.0	.94871	572.1	.00142	.000510			
212	36.0	-3.0	2.0	.97993	585.8	.00028	.000101			
213	10.0	.0	1.3	.91191	554.8	.00318	.001142	.00287	.001031	
214	10.0	-.9	.9	.91526	561.5	.00326	.001171			
215	18.0	.0	2.4	.93477	566.5	.00178	.000639	.00166	.000596	
216	18.0	-2.1	1.0	.91860	560.1	.00359	.001290			
217	23.8	.0	1.5	.99331	594.8	.00064	.000230			
218	27.2	.0	.6	.98216	591.8	.00098	.000352			
219	30.2	.0	2.0	.96097	580.1	.00162	.000582			
220	30.5	.0	2.9	.95930	580.5	.00224	.000805			
221	30.5	1.0	2.9	.95930	581.1	.00221	.000794			
222	33.0	.0	4.3	.92975	568.5	.00256	.000920			
223	35.0	.0	4.6	.93925	573.8	.00240	.000862			
224	35.0	-4.2	2.0	.92919	567.1	.00340	.001221			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

5. Engine Fairing; $\alpha = 5^{o}$ - Concluded

(i) $M = 4.44$; $R = 2.15 \times 10^{6}$; $T_t = 675^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95027	570.1	.00087	.000468			.84
2	2.0	.0		.95250	571.8	.00096	.000516			.82
3	2.0	12.0		.94691	569.5	.00101	.000543			.87
4	8.0	.0		.94300	567.1	.00102	.000548			1.01
5	9.0	.0		.94300	565.5	.00100	.000538	.00122	.000656	.94
6	10.0	.0		.93574	561.1	.00102	.000548	.00096	.000516	1.01
7	11.0	.0		.94189	564.5	.00113	.000608	.00137	.000737	1.13
8	11.5	.0		.93965	563.8	.00097	.000522	.00092	.000495	.96
9	12.0	1.0		.94133	564.1	.00097	.000522	.00088	.000473	.96
10	12.0	3.0		.94412	566.8	.00097	.000522	.00100	.000538	.95
11	12.0	5.0		.94077	565.1	.00100	.000538			.94
12	14.0	4.0		.94468	568.1	.00102	.000548	.00103	.000554	.88
13	14.0	1.0		.94580	566.1	.00070	.000376	.00081	.000436	.69
14	14.0	.0		.94356	565.8	.00096	.000516	.00082	.000441	.95
15	14.0	-1.0		.94859	569.1	.00096	.000516	.00103	.000554	.84
16	14.0	-2.0		.95083	569.8	.00099	.000532	.00136	.000731	.99
17	13.0	-2.0		.94412	567.1	.00100	.000538			1.00
18	12.0	-3.0		.94580	567.1	.00113	.000608			1.08
19	14.0	-3.0		.94189	564.5	.00097	.000522			.96
20	14.0	-4.0		.94189	565.1	.00097	.000522	.00095	.000511	.97
21	16.0	-4.0		.94133	565.5	.00100	.000538	.00096	.000516	1.00
22	14.0	-6.0		.94524	567.5	.00097	.000522	.00100	.000538	.84
23	14.0	-8.0		.94300	565.8	.00097	.000522	.00096	.000516	.97
24	14.0	-12.0		.94524	567.5	.00085	.000457			.96
25	16.0	-8.0		.94468	566.8	.00097	.000522	.00102	.000548	.97
26	18.0	-8.0		.93630	561.8	.00098	.000527	.00088	.000473	.98
27	16.0	-2.0		.94747	568.5	.00096	.000516	.00092	.000495	.96
28	18.0	-2.0		.95753	575.1	.00098	.000527	.00106	.000570	.82
29	20.0	-3.0		.94971	570.1	.00097	.000522	.00096	.000516	.92
30	18.0	-4.0		.94524	566.8	.00096	.000516	.00092	.000495	1.08
31	20.0	-4.0		.95083	570.5	.00096	.000516	.00114	.000613	.95
32	20.0	-5.0		.94300	565.1	.00082	.000441			.82
33	20.0	-6.0		.94468	566.5	.00097	.000522	.00101	.000543	.97
34	20.0	-7.0		.94412	565.8	.00083	.000446	.00074	.000398	.93
35	20.0	-8.0		.94859	568.5	.00083	.000446			.93
36	20.0	-12.0		.94691	568.1	.00097	.000522			.92
37	14.0	5.0		.94580	567.5	.00097	.000522	.00102	.000548	.91
38	14.0	6.0		.94412	566.5	.00097	.000522			.95
39	32.0	8.0		.94636	568.1	.00097	.000522	.00098	.000527	.96
40	32.0	10.0		.94300	566.1	.00098	.000527	.00096	.000516	.97
41	32.0	12.0		.94300	565.8	.00080	.000430			.79
42	50.0	-8.0		.93574	564.5	.00182	.000979			2.04
43	50.0	-5.0		.97485	581.1	.00027	.000145			.33
45	50.0	6.0		.95250	573.5	.00139	.000747			1.39
47	58.0	6.0		.94021	565.1	.00133	.000715			1.49
48	58.0	12.0		.95027	570.5	.00084	.000452			.99
73	14.0	2.0		.94189	563.5	.00086	.000462			.93
74	16.0	.0		.94803	569.1	.00097	.000522	.00099	.000532	.86
75	18.0	.0		.94859	569.1	.00096	.000516	.00093	.000500	.95
76	20.0	.0		.96032	572.8	.00041	.000220			.47
77	20.0	-1.0		.94859	569.1	.00113	.000608	.00103	.000554	1.12
78	20.0	-2.0		.95027	570.1	.00116	.000624	.00121	.000651	1.16
79	32.0	-4.0		.95585	577.1	.00145	.000780			1.45
80	32.0	-5.0		.95027	570.5	.00118	.000634			1.33
81	32.0	4.0		.95027	570.1	.00116	.000624			1.30
82	32.0	6.0		.94915	569.5	.00096	.000516	.00096	.000516	.95
83	42.0	-5.0		.96759	578.5	.00083	.000446			.93
84	42.0	-6.0		.94580	571.1	.00220	.001183			2.50
85	6.0	.0		.94133	567.8	.00162	.000871			.96
86	6.0	5.0		.94133	568.1	.00163	.000876			1.00
87	6.0	10.0		.93909	568.8	.00168	.000903			.73
88	12.0	.0		.94356	570.8	.00133	.000715			1.00
89	12.0	5.0		.94412	569.1	.00131	.000704			.89
90	12.0	10.0		.94077	566.5	.00130	.000699			.88
91	18.0	.0		.94245	565.5	.00126	.000677			.92
92	30.0	.0		.94300	565.8	.00114	.000613			.95
93	42.0	.0		.94691	569.1	.00101	.000543			.95
201	2.0	.0	.3	.91786	552.8	.00183	.000984			
202	6.0	.0	.8	.92121	556.8	.00168	.000903	.00168	.000903	
203	10.0	.0	.9	.93630	563.5	.00153	.000823			
204	14.0	.0	1.8	.92904	563.1	.00200	.001075	.00200	.001075	
205	18.0	2.1	1.0	.95138	572.8	.00102	.000548			
206	22.9	.0	2.0	.98770	589.5	.00051	.000274			
207	27.3	1.9	1.8	.97429	584.5	.00094	.000505			
208	27.3	-1.9	1.8	.97038	580.1	.00060	.000323			
209	35.0	4.2	2.0	.95418	572.5	.00096	.000516			
212	36.0	-3.0	2.0	.98267	586.1	.00022	.000118			
213	10.0	.0	1.3	.92065	555.8	.00187	.001005	.00164	.000882	
214	10.0	-.9	.9	.92457	559.1	.00206	.001108			
215	18.0	.0	2.4	.94133	564.8	.00118	.000634	.00116	.000624	
216	18.0	-2.1	1.0	.92848	561.5	.00227	.001221			
218	27.2	.0	.6	.98547	589.8	.00066	.000355			
219	30.2	.0	2.0	.96535	581.1	.00111	.000597			
220	30.5	.0	2.9	.96144	580.1	.00159	.000855			
221	30.5	1.0	2.9	.96312	583.5	.00155	.000833			
222	33.0	.0	4.3	.93406	563.5	.00182	.000979			
223	35.0	.0	4.6	.94636	571.5	.00183	.000984			
224	35.0	-4.2	2.0	.93742	570.1	.00236	.001269			

[a]Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

6. Engine Fairing; $\alpha = 10^{o}$

(a) M = 2.65; R = 3.89×10^{6}; $T_t = 716^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St, c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94672	591.8	.00552	.000781			1.00
2	2.0	.0		.94452	591.5	.00567	.000802			.98
3	2.0	12.0		.94397	591.1	.00558	.000789			.96
4	8.0	.0		.94013	588.5	.00564	.000798			.98
5	9.0	.0		.94068	588.8	.00570	.000806	.00573	.000810	.99
6	10.0	.0		.93848	587.5	.00572	.000809	.00565	.000799	.99
7	11.0	.0		.94068	588.8	.00565	.000799	.00575	.000813	.98
8	11.5	.0		.93903	587.8	.00561	.000793	.00559	.000791	.99
9	12.0	1.0		.93903	588.1	.00571	.000808	.00569	.000805	.98
10	12.0	3.0		.94178	590.5	.00579	.000819	.00581	.000822	.98
11	12.0	5.0		.94068	589.5	.00577	.000816			.98
12	14.0	4.0		.94452	591.5	.00560	.000792	.00562	.000795	.96
13	14.0	1.0		.94068	588.8	.00561	.000793	.00560	.000792	.97
14	14.0	.0		.93848	587.1	.00556	.000786	.00543	.000768	.98
15	14.0	-1.0		.94342	590.1	.00551	.000779	.00559	.000791	.98
16	14.0	-2.0		.94397	589.8	.00533	.000754	.00538	.000761	.96
17	13.0	-2.0		.94288	589.8	.00543	.000768			.99
18	12.0	-3.0		.94342	590.1	.00557	.000788			.99
19	14.0	-3.0		.93958	588.1	.00547	.000774	.00543	.000768	.97
20	14.0	-4.0		.94013	588.1	.00550	.000778	.00550	.000778	.98
21	16.0	-4.0		.93958	587.5	.00536	.000758	.00534	.000755	.97
22	14.0	-6.0		.94123	589.1	.00561	.000793	.00562	.000795	.97
23	14.0	-8.0		.94123	588.5	.00540	.000764	.00540	.000764	.98
24	14.0	-12.0		.94342	589.5	.00550	.000778			1.00
25	16.0	-8.0		.94233	589.1	.00541	.000765	.00544	.000769	.97
26	18.0	-8.0		.93738	585.8	.00537	.000760	.00532	.000752	1.00
27	16.0	-2.0		.94233	589.5	.00543	.000768	.00543	.000768	.97
28	18.0	-2.0		.94288	589.8	.00541	.000765	.00540	.000764	.98
29	20.0	-3.0		.94233	589.1	.00531	.000751	.00523	.000740	.98
30	18.0	-4.0		.94068	587.8	.00528	.000747	.00527	.000745	1.00
31	20.0	-4.0		.94233	589.1	.00544	.000769	.00547	.000774	1.00
32	20.0	-5.0		.94013	587.8	.00546	.000772	.00542	.000767	1.01
33	20.0	-6.0		.94013	588.1	.00525	.000743	.00526	.000744	.97
34	20.0	-7.0		.94013	587.5	.00528	.000747	.00520	.000735	.99
35	20.0	-8.0		.94507	590.5	.00525	.000743			.97
36	20.0	-12.0		.94397	589.8	.00550	.000778			1.00
37	14.0	5.0		.94233	590.5	.00584	.000826	.00582	.000823	1.00
38	14.0	6.0		.94178	590.5	.00575	.000813			.98
39	32.0	8.0		.94068	588.8	.00557	.000788	.00557	.000788	1.01
40	32.0	10.0		.93958	588.8	.00553	.000782	.00553	.000782	.97
41	32.0	12.0		.94013	588.5	.00551	.000779			.99
42	50.0	-8.0		.93903	591.8	.00669	.000946			1.21
43	50.0	-5.0		.98736	604.5	.00091	.000129			.16
44	50.0	.0		.99231	604.1	.00075	.000106			.14
45	50.0	6.0		.94288	591.5	.00594	.000840			1.06
46	58.0	.0		.94288	585.5	.00411	.000581			.73
47	58.0	6.0		.93189	583.5	.00554	.000784			.95
48	58.0	12.0		.94397	592.5	.00595	.000842			1.02
73	14.0	2.0		.94068	590.8	.00599	.000847			1.03
74	16.0	.0		.94123	589.8	.00569	.000805	.00569	.000805	1.02
75	18.0	.0		.94452	592.5	.00580	.000820	.00580	.000820	1.05
76	20.0	.0		.94947	595.8	.00604	.000854			1.10
77	20.0	-1.0		.94452	592.5	.00584	.000826	.00573	.000810	1.04
78	20.0	-2.0		.94562	593.1	.00586	.000829	.00597	.000844	1.06
79	32.0	-4.0		.95661	604.5	.00784	.001109			1.49
80	32.0	-5.0		.95496	599.8	.00623	.000881			1.15
81	32.0	4.0		.94013	589.8	.00586	.000829			1.09
82	32.0	6.0		.94233	589.8	.00535	.000757	.00535	.000757	.97
84	42.0	-6.0		.96704	601.8	.00434	.000614			.84
85	6.0	.0		.94672	595.8	.00647	.000915			.98
86	6.0	5.0		.94617	596.1	.00671	.000949			.97
87	6.0	10.0		.94617	596.5	.00660	.000933			.98
88	12.0	.0		.94452	593.5	.00605	.000856			.99
89	12.0	5.0		.94342	593.5	.00618	.000874			.99
90	12.0	10.0		.94397	593.8	.00628	.000888			.98
91	18.0	.0		.94342	591.8	.00583	.000825			1.01
92	30.0	.0		.94233	591.1	.00584	.000826			.98
93	42.0	.0		.94452	590.5	.00522	.000738			.98
201	2.0	.0	.3	.92530	586.5	.00891	.001260			
202	6.0	.0	.8	.92091	583.8	.00799	.001130	.00798	.001129	
203	10.0	.0	.9	.93079	587.8	.00569	.000805			
204	14.0	.0	1.8	.92805	587.5	.00767	.001085	.00768	.001086	
205	18.0	2.1	1.0	.94672	591.1	.00408	.000577			
206	22.9	.0	2.0	1.00878	624.8	.00333	.000471			
207	27.3	1.9	1.8	.98846	621.8	.00499	.000706			
208	27.3	-1.9	1.8	.96100	599.8	.00490	.000693			
209	35.0	4.2	2.0	.93134	582.5	.00512	.000724			
210	36.0	3.0	2.0	1.00274	611.5	.00094	.000133			
211	36.0	.0	2.0	1.01098	615.5	.00062	.000088			
212	36.0	-3.0	2.0	.99450	607.1	.00120	.000170			
213	10.0	.0	1.3	.92201	583.5	.00748	.001058	.00731	.001034	
214	10.0	-.9	.9	.92640	592.8	.00983	.001390			
215	18.0	.0	2.4	.94233	583.5	.00400	.000566	.00390	.000552	
216	18.0	-2.1	1.0	.93079	597.5	.01065	.001506			
217	23.8	.0	1.5	1.00933	623.5	.00319	.000451			
218	27.2	.0	.6	1.00109	627.5	.00446	.000631			
219	30.2	.0	2.0	.98297	625.1	.00868	.001228			
220	30.5	.0	2.9	.98022	632.8	.01256	.001776			
221	30.5	1.0	2.9	.97198	618.1	.00898	.001270			
222	33.0	.0	4.3	.92530	590.1	.00917	.001297			
223	35.0	.0	4.6	.94507	604.5	.00767	.001085			
224	35.0	-4.2	2.0	.93628	603.1	.01137	.001608			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

6. Engine Fairing; $\alpha = 10^{0}$ - Continued

(b) $M = 2.65$; $R = 2.54 \times 10^{6}$; $T_t = 710^{0}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{0}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95327	584.5	.00376	.000821			.97
2	2.0	.0		.95049	584.1	.00389	.000849			1.00
3	2.0	12.0		.94993	584.1	.00389	.000849			1.01
4	8.0	.0		.94381	580.1	.00395	.000862			1.01
5	9.0	.0		.94437	580.1	.00397	.000867	.00400	.000873	1.01
6	10.0	.0		.94214	578.8	.00398	.000869	.00392	.000856	1.02
7	11.0	.0		.94381	580.1	.00394	.000860	.00403	.000880	1.01
8	11.5	.0		.94270	579.1	.00393	.000858	.00390	.000851	1.00
9	12.0	1.0		.94270	579.1	.00400	.000873	.00399	.000871	1.04
10	12.0	3.0		.94548	581.8	.00407	.000888	.00409	.000893	1.05
11	12.0	5.0		.94381	580.5	.00402	.000877			1.02
12	14.0	4.0		.94826	582.8	.00391	.000853	.00393	.000858	.98
13	14.0	1.0		.94437	580.1	.00383	.000836	.00383	.000836	1.01
14	14.0	.0		.94214	578.5	.00376	.000821	.00364	.000794	1.02
15	14.0	-1.0		.94659	581.1	.00386	.000843	.00392	.000856	1.01
16	14.0	-2.0		.94715	587.1	.00375	.000819	.00384	.000838	1.01
17	13.0	-2.0		.94548	580.8	.00376	.000821			1.00
18	12.0	-3.0		.94715	581.5	.00388	.000847			1.02
19	14.0	-3.0		.94214	579.1	.00393	.000858	.00388	.000847	1.04
20	14.0	-4.0		.94270	579.1	.00391	.000853	.00390	.000851	1.04
21	16.0	-4.0		.94326	578.8	.00373	.000814	.00372	.000812	1.00
22	14.0	-6.0		.94437	580.1	.00393	.000858	.00394	.000860	1.03
23	14.0	-8.0		.94437	579.5	.00384	.000838	.00383	.000836	1.02
24	14.0	-12.0		.94715	580.8	.00373	.000814			1.01
25	16.0	-8.0		.94548	580.1	.00379	.000827	.00381	.000832	1.02
26	18.0	-8.0		.94103	577.1	.00364	.000794	.00359	.000784	1.01
27	16.0	-2.0		.94604	580.8	.00374	.000816	.00374	.000816	.98
28	18.0	-2.0		.94715	581.5	.00391	.000853	.00389	.000849	1.04
29	20.0	-3.0		.94659	581.1	.00374	.000816	.00369	.000805	1.04
30	18.0	-4.0		.94437	579.5	.00369	.000805	.00368	.000803	1.03
31	20.0	-4.0		.94659	580.8	.00368	.000803	.00370	.000808	1.03
32	20.0	-5.0		.94381	579.1	.00364	.000794	.00361	.000788	.98
33	20.0	-6.0		.94437	579.5	.00369	.000805	.00370	.000808	1.00
34	20.0	-7.0		.94437	579.1	.00358	.000781	.00352	.000768	1.00
35	20.0	-8.0		.94882	581.8	.00361	.000788			1.01
36	20.0	-12.0		.94771	581.5	.00371	.000810			1.01
37	14.0	5.0		.94548	581.5	.00401	.000875	.00399	.000871	1.02
38	14.0	6.0		.94437	581.1	.00403	.000880			1.00
39	32.0	8.0		.94437	580.1	.00381	.000832	.00380	.000829	1.00
40	32.0	10.0		.94437	580.5	.00394	.000860	.00394	.000860	1.02
41	32.0	12.0		.94493	580.5	.00388	.000847			1.03
42	50.0	-8.0		.94715	585.8	.00501	.001094			1.33
43	50.0	-5.0		.99054	596.8	.00098	.000214			.26
44	50.0	.0		1.00389	603.7	.00058	.000127			.16
45	50.0	6.0		.94604	582.5	.00416	.000908			1.14
46	58.0	.0		.95160	580.5	.00281	.000613			.74
47	58.0	6.0		.93603	575.1	.00383	.000836			.94
48	58.0	12.0		.94715	582.8	.00404	.000882			1.03
73	14.0	2.0		.94493	581.8	.00412	.000899			1.05
74	16.0	.0		.94548	581.5	.00394	.000860	.00394	.000860	1.04
75	18.0	.0		.94771	583.5	.00420	.000917	.00419	.000915	1.11
76	20.0	.0		.95438	587.1	.00403	.000880			1.11
77	20.0	-1.0		.94882	583.8	.00404	.000882	.00395	.000862	1.07
78	20.0	-2.0		.95049	584.8	.00405	.000884	.00415	.000906	1.07
79	32.0	-4.0		.96106	596.8	.00551	.001203			1.55
80	32.0	-5.0		.95939	591.1	.00432	.000943			1.16
81	32.0	4.0		.94659	583.1	.00427	.000932			1.15
82	32.0	6.0		.94659	581.5	.00382	.000834	.00382	.000834	1.06
84	42.0	-6.0		.96606	595.8	.00432	.000943			1.22
85	6.0	.0		.94882	586.1	.00467	.001019			1.03
86	6.0	5.0		.94826	587.1	.00493	.001076			1.01
87	6.0	10.0		.94882	587.1	.00480	.001048			1.02
88	12.0	.0		.94771	584.5	.00431	.000941			1.02
89	12.0	5.0		.94659	584.5	.00445	.000971			1.01
90	12.0	10.0		.94715	585.1	.00458	.001000			1.05
91	18.0	.0		.94715	582.8	.00409	.000893			1.04
92	30.0	.0		.94548	581.8	.00400	.000873			1.01
93	42.0	.0		.94771	581.8	.00367	.000801			1.03
201	2.0	.0	.3	.92434	575.1	.00604	.001318			
202	6.0	.0	.8	.92490	574.1	.00542	.001183	.00542	.001183	
203	10.0	.9	.9	.93769	577.1	.00414	.000904			
204	14.0	.0	1.8	.93158	578.5	.00540	.001179	.00541	.001181	
205	18.0	2.1	1.0	.95549	583.5	.00278	.000607			
206	22.9	.0	2.0	1.01390	617.5	.00243	.000530			
207	27.3	1.9	1.8	.99276	609.8	.00342	.000746			
208	27.3	-1.9	1.8	.96662	595.5	.00341	.000744			
209	35.0	4.2	2.0	.94103	580.1	.00339	.000740			
210	36.0	3.0	2.0	1.01056	607.8	.00075	.000164			
211	36.0	.0	2.0	1.01668	611.1	.00058	.000127			
212	36.0	-3.0	2.0	1.00000	602.5	.00086	.000188			
213	10.0	.0	1.3	.92657	581.5	.00491	.001072	.00465	.001015	
214	10.0	-.9	.9	.93102	582.8	.00673	.001469			
215	18.0	.0	2.4	.94604	576.8	.00292	.000637	.00283	.000618	
216	18.0	-2.1	1.0	.93547	592.1	.00710	.001550			
217	23.8	.0	1.5	1.01613	617.5	.00221	.000482			
218	27.2	.0	.6	1.00611	621.8	.00313	.000683			
219	30.2	.0	2.0	.98275	613.1	.00625	.001364			
220	30.5	.6	2.9	.97774	629.1	.00872	.001903			
221	30.5	1.0	2.9	.97274	606.1	.00617	.001347			
222	33.0	.0	4.3	.92991	580.5	.00581	.001268			
223	35.0	.0	4.6	.95049	594.5	.00527	.001150			
224	35.0	-4.2	2.0	.94048	592.5	.00782	.001707			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{0}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

6. Engine Fairing: $\alpha = 10^{o}$ - Continued

(c) M = 2.65; R = 1.29×10^{6}; $T_t = 705^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.96470	582.8	.00211	.000911			.98
2	2.0	.0		.96245	582.1	.00217	.000937			1.00
3	2.0	12.0		.96133	581.8	.00220	.000950			1.02
4	8.0	.0		.95405	576.8	.00221	.000954			1.00
5	9.0	.0		.95349	576.8	.00218	.000941	.00220	.000950	1.02
6	10.0	.0		.95181	575.5	.00213	.000920	.00208	.000898	.93
7	11.0	.0		.95349	576.8	.00215	.000928	.00224	.000967	.99
8	11.5	.0		.95181	575.8	.00216	.000932	.00214	.000924	.99
9	12.0	1.0		.95181	575.8	.00219	.000945	.00218	.000941	1.00
10	12.0	3.0		.95573	578.5	.00220	.000950	.00222	.000958	.95
11	12.0	5.0		.95293	576.8	.00221	.000954			1.01
12	14.0	4.0		.95685	578.5	.00208	.000898	.00209	.000902	.96
13	14.0	1.0		.95461	577.1	.00202	.000872	.00203	.000876	.93
14	14.0	.0		.95125	575.1	.00215	.000928	.00204	.000881	1.02
15	14.0	-1.0		.95573	577.5	.00209	.000902	.00213	.000920	.98
16	14.0	-2.0		.95629	577.8	.00205	.000885	.00212	.000915	.81
17	13.0	-2.0		.95461	577.1	.00201	.000868			.98
18	12.0	-3.0		.95685	578.1	.00214	.000924			1.02
19	14.0	-3.0		.95181	575.5	.00215	.000928	.00210	.000907	1.04
20	14.0	-4.0		.95181	575.5	.00215	.000928	.00214	.000924	1.02
21	16.0	-4.0		.95237	575.5	.00205	.000885	.00203	.000876	.98
22	14.0	-6.0		.95405	576.5	.00209	.000902	.00210	.000907	1.00
23	14.0	-8.0		.95293	575.5	.00208	.000898	.00207	.000894	1.03
24	14.0	-12.0		.95629	577.5	.00206	.000889			1.00
25	16.0	-8.0		.95517	576.8	.00204	.000881	.00206	.000889	1.00
26	18.0	-8.0		.95069	574.1	.00204	.000881	.00200	.000863	.99
27	16.0	-2.0		.95573	577.5	.00206	.000889	.00206	.000889	1.05
28	18.0	-2.0		.95741	578.5	.00210	.000907	.00209	.000902	.97
29	20.0	-3.0		.95797	578.5	.00195	.000842	.00192	.000829	.97
30	18.0	-4.0		.95405	576.5	.00198	.000855	.00197	.000850	.97
31	20.0	-4.0		.95685	578.1	.00204	.000881	.00207	.000894	.98
32	20.0	-5.0		.95405	576.1	.00208	.000898	.00204	.000881	1.01
33	20.0	-6.0		.95405	576.1	.00190	.000820	.00189	.000816	.96
34	20.0	-7.0		.95461	576.5	.00202	.000872	.00197	.000850	1.06
35	20.0	-8.0		.95909	579.1	.00195	.000842			.96
36	20.0	-12.0		.95685	577.8	.00209	.000902			1.00
37	14.0	5.0		.95461	577.8	.00218	.000941	.00217	.000937	1.00
38	14.0	6.0		.95349	577.1	.00215	.000928			.98
39	32.0	8.0		.95405	576.8	.00212	.000915	.00211	.000911	1.00
40	32.0	10.0		.95405	577.5	.00216	.000932	.00216	.000932	1.00
41	32.0	12.0		.95517	577.5	.00200	.000863			.92
42	50.0	-8.0		.95853	582.1	.00260	.001122			1.24
43	50.0	-5.0		.99831	596.1	.00060	.000259			.29
44	50.0	.0		1.01120	602.5	.00026	.000112			.12
45	50.0	6.0		.95629	578.8	.00223	.000963			1.04
46	58.0	.0		.96750	581.5	.00137	.000591			.65
47	58.0	6.0		.94845	573.5	.00216	.000932			.96
48	58.0	12.0		.95629	578.8	.00215	.000928			1.00
73	14.0	2.0		.95517	578.5	.00223	.000963			1.02
74	16.0	.0		.95573	578.1	.00213	.000920	.00213	.000920	1.01
75	18.0	.0		.95797	581.8	.00229	.000989	.00228	.000984	1.09
76	20.0	.0		.96414	583.5	.00217	.000937			1.03
77	20.0	-1.0		.95965	580.8	.00219	.000945	.00211	.000911	1.05
78	20.0	-2.0		.96133	581.8	.00218	.000941	.00227	.000980	1.04
79	32.0	-4.0		.97198	591.8	.00307	.001325			1.57
80	32.0	-5.0		.96974	587.1	.00241	.001040			1.18
81	32.0	4.0		.96021	581.8	.00227	.000980			1.12
82	32.0	6.0		.95741	578.8	.00205	.000885	.00204	.000881	.99
84	42.0	-6.0		.98038	595.1	.00224	.000967			1.10
85	6.0	.0		.95405	581.1	.00303	.001308			1.05
86	6.0	5.0		.95237	577.8	.00219	.000945			.68
87	6.0	10.0		.95293	579.1	.00239	.001032			.76
88	12.0	.0		.95573	580.1	.00260	.001122			1.03
89	12.0	5.0		.95405	580.8	.00290	.001252			1.07
90	12.0	10.0		.95349	581.1	.00299	.001291			1.05
91	18.0	.0		.95517	578.8	.00244	.001053			1.03
92	30.0	.0		.95405	577.8	.00225	.000971			1.00
93	42.0	.0		.95629	578.1	.00209	.000902			.99
201	2.0	.0	.3	.92828	566.1	.00319	.001377			
202	6.0	.0	.8	.93332	567.5	.00265	.001144	.00265	.001144	
203	10.0	.9	.9	.95069	575.8	.00212	.000915			
204	14.0	.0	1.8	.94284	576.1	.00281	.001213	.00281	.001213	
205	18.0	2.1	1.0	.96918	583.8	.00164	.000708			
206	22.9	.0	2.0	1.01680	611.1	.00138	.000596			
207	27.3	1.9	1.8	.99607	602.5	.00195	.000842			
208	27.3	-1.9	1.8	.97366	588.5	.00203	.000876			
209	35.0	4.2	2.0	.95853	579.1	.00173	.000747			
210	36.0	3.0	2.0	1.01848	608.8	.00030	.000130			
211	36.0	.0	2.0	1.02073	608.5	.00032	.000138			
212	36.0	-3.0	2.0	1.00448	599.8	.00056	.000242			
213	10.0	.0	1.3	.93780	572.5	.00263	.001135	.00248	.001071	
214	10.0	-.9	.9	.94116	576.5	.00340	.001468			
215	18.0	.0	2.4	.95405	574.1	.00172	.000743	.00164	.000708	
216	18.0	-2.1	1.0	.94733	581.5	.00374	.001615			
217	23.8	.0	1.5	1.02241	615.5	.00120	.000518			
218	27.2	.0	.6	1.01232	611.1	.00170	.000734			
219	30.2	.0	2.0	.98319	605.1	.00372	.001606			
220	30.5	.0	2.9	.97478	603.5	.00526	.002271			
221	30.5	1.0	2.9	.97310	594.5	.00351	.001515			
222	33.0	.0	4.3	.93892	578.1	.00313	.001351			
223	35.0	.0	4.6	.96189	585.8	.00292	.001261			
224	35.0	-4.2	2.0	.95069	588.1	.00411	.001774			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

6. Engine Fairing; $\alpha = 10^{o}$ - Continued

(d) M = 3.51; R = 4.00×10^{6}; $T_t = 708^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.93512	565.8	.00326	.000633			1.04
2	2.0	.0		.93343	565.5	.00340	.000661			1.04
3	2.0	12.0		.93230	563.5	.00317	.000616			.99
4	8.0	.0		.92610	561.1	.00340	.000661			1.04
5	9.0	.0		.92610	561.1	.00344	.000668	.00347	.000674	1.05
6	10.0	.0		.92328	559.5	.00335	.000651	.00331	.000643	1.05
7	11.0	.0		.92441	560.1	.00340	.000661	.00346	.000672	1.03
8	11.5	.0		.92328	559.5	.00341	.000662	.00340	.000661	1.03
9	12.0	1.0		.92441	559.8	.00339	.000659	.00338	.000657	1.06
10	12.0	3.0		.92666	562.1	.00367	.000713	.00369	.000717	1.11
11	12.0	5.0		.92497	560.5	.00340	.000661			1.03
12	14.0	4.0		.92892	562.5	.00346	.000672	.00346	.000672	1.05
13	14.0	1.0		.92666	561.1	.00339	.000659	.00339	.000659	1.08
14	14.0	.0		.92328	558.8	.00336	.000653	.00323	.000628	1.05
15	14.0	-1.0		.92835	562.1	.00341	.000662	.00347	.000674	1.04
16	14.0	-2.0		.92948	562.1	.00319	.000620	.00327	.000635	1.00
17	13.0	-2.0		.92723	561.1	.00331	.000643			1.07
18	12.0	-3.0		.92892	561.5	.00334	.000649			1.06
19	14.0	-3.0		.92441	559.5	.00336	.000653	.00330	.000641	1.05
20	14.0	-4.0		.92553	560.1	.00331	.000643	.00331	.000643	1.03
21	16.0	-4.0		.92553	560.1	.00329	.000639	.00328	.000637	1.08
22	14.0	-6.0		.92835	562.1	.00336	.000653	.00338	.000657	1.03
23	14.0	-8.0		.92723	560.8	.00329	.000639	.00328	.000637	1.07
24	14.0	-12.0		.93005	562.8	.00330	.000641			1.04
25	16.0	-8.0		.92892	562.1	.00320	.000622	.00322	.000626	1.01
26	18.0	-8.0		.92384	559.1	.00316	.000614	.00312	.000606	1.04
27	16.0	-2.0		.92779	561.5	.00330	.000641	.00330	.000641	1.06
28	18.0	-2.0		.92948	562.1	.00329	.000639	.00328	.000637	.99
29	20.0	-3.0		.92835	561.1	.00317	.000616	.00306	.000594	1.03
30	18.0	-4.0		.92723	560.5	.00317	.000616	.00316	.000614	1.04
31	20.0	-4.0		.92892	561.8	.00331	.000643	.00335	.000651	1.08
32	20.0	-5.0		.92723	560.8	.00324	.000629	.00321	.000624	1.06
33	20.0	-6.0		.92723	561.5	.00329	.000639	.00330	.000641	1.04
34	20.0	-7.0		.92835	566.5	.00313	.000608	.00308	.000598	1.05
35	20.0	-8.0		.93174	563.8	.00312	.000606			1.03
36	20.0	-12.0		.93061	563.5	.00332	.000645			1.04
37	14.0	5.0		.92835	562.5	.00342	.000664	.00343	.000666	1.04
38	14.0	6.0		.92723	561.8	.00339	.000659			1.06
39	32.0	8.0		.92723	561.5	.00338	.000657	.00338	.000657	1.02
40	32.0	10.0		.92666	560.5	.00336	.000653	.00336	.000653	1.03
41	32.0	12.0		.92666	560.5	.00330	.000641			1.04
42	50.0	-8.0		.91820	561.1	.00461	.000896			1.45
43	50.0	-5.0		.97856	579.5	.00045	.000087			.15
44	50.0	.0		.98307	581.8	.00037	.000072			.12
45	50.0	6.0		.93456	567.1	.00369	.000717			1.26
46	58.0	.0		.94133	565.5	.00227	.000441			.73
47	58.0	6.0		.92384	559.5	.00340	.000661			1.08
48	58.0	12.0		.93174	563.8	.00335	.000651			1.05
73	14.0	2.0		.92835	563.5	.00352	.000684			1.09
74	16.0	.0		.92723	561.8	.00336	.000653	.00336	.000653	1.03
75	18.0	.0		.93061	565.5	.00365	.000709	.00364	.000707	1.18
76	20.0	.0		.93794	570.5	.00386	.000750			1.20
77	20.0	-1.0		.93174	565.8	.00373	.000725	.00367	.000713	1.21
78	20.0	-2.0		.93118	564.5	.00347	.000674	.00350	.000680	1.08
79	32.0	-4.0		.93964	583.8	.00596	.001158			1.96
80	32.0	-5.0		.94020	574.5	.00455	.000884			1.41
81	32.0	4.0		.92948	565.1	.00378	.000734			1.24
82	32.0	6.0		.92892	562.8	.00333	.000647	.00332	.000645	1.06
85	6.0	.0		.93061	567.5	.00450	.000874			1.12
86	6.0	5.0		.93061	568.1	.00443	.000861			1.03
87	6.0	10.0		.93061	567.1	.00435	.000845			1.05
88	12.0	.0		.93118	566.1	.00375	.000729			1.02
89	12.0	5.0		.92948	565.8	.00410	.000797			1.09
90	12.0	10.0		.93005	565.5	.00391	.000760			1.02
91	18.0	.0		.93005	564.5	.00358	.000696			1.04
92	30.0	.0		.92892	566.8	.00369	.000717			1.09
93	42.0	.0		.93118	563.5	.00313	.000608			1.04
201	2.0	.0	.3	.90410	561.8	.00503	.000977			
202	6.0	.0	.8	.90410	559.5	.00528	.001026	.00528	.001026	
203	10.0	.9	.9	.91820	562.5	.00333	.000647			
204	14.0	.0	1.8	.91143	564.1	.00526	.001022	.00527	.001024	
205	18.0	2.1	1.0	.93738	565.8	.00245	.000476			
206	22.9	.0	2.0	1.00789	605.5	.00212	.000412			
207	27.3	1.9	1.8	.98420	599.5	.00324	.000629			
208	27.3	-1.9	1.8	.95205	577.5	.00358	.000696			
209	35.0	4.2	2.0	.93456	566.5	.00274	.000532			
210	36.0	3.0	2.0	.98871	585.8	.00047	.000091			
211	36.0	.0	2.0	.99210	589.1	.00027	.000052			
212	36.0	-3.0	2.0	.98082	581.1	.00038	.000074			
213	10.0	.0	1.3	.90410	559.5	.00515	.001001	.00496	.000964	
214	10.0	-.9	.9	.90579	564.8	.00780	.001515			
215	18.0	.0	2.4	.92666	558.5	.00301	.000585	.00293	.000569	
216	18.0	-2.1	1.0	.90918	573.8	.00822	.001597			
217	23.8	.0	1.5	1.01184	610.5	.00202	.000392			
218	27.2	.0	.6	.99548	605.1	.00306	.000594			
219	30.2	.0	2.0	.97969	602.8	.00577	.001121			
220	30.5	.0	2.9	.97630	618.5	.00765	.001486			
221	30.5	1.0	2.9	.97179	604.5	.00527	.001024			
222	33.0	.0	4.5	.90918	561.1	.00631	.001226			
223	35.0	.0	4.6	.93512	572.1	.00494	.000960			
224	35.0	-4.2	2.0	.91764	581.8	.00884	.001717			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

6. Engine Fairing; $\alpha = 10^{o}$ - Continued

(e) $M = 3.51$; $R = 2.84 \times 10^{6}$; $T_t = 706^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94522	562.8	.00231	.000632			1.04
2	2.0	.0		.94294	562.1	.00234	.000641			1.01
3	2.0	12.0		.94180	560.8	.00230	.000630			1.01
4	8.0	.0		.93381	557.1	.00258	.000706			1.11
5	9.0	.0		.93381	557.1	.00236	.000646	.00239	.000654	1.01
6	10.0	.0		.93096	555.5	.00258	.000706	.00254	.000695	1.13
7	11.0	.0		.93210	556.1	.00250	.000684	.00255	.000698	1.08
8	11.5	.0		.93096	555.5	.00259	.000709	.00258	.000706	1.12
9	12.0	1.0		.93153	555.8	.00250	.000684	.00249	.000682	1.07
10	12.0	3.0		.93438	557.8	.00256	.000701	.00258	.000706	1.04
11	12.0	5.0		.93267	556.1	.00228	.000624			.99
12	14.0	4.0		.93552	557.8	.00240	.000657	.00240	.000657	1.06
13	14.0	1.0		.93438	557.1	.00257	.000704	.00250	.000684	1.13
14	14.0	.0		.93039	554.8	.00235	.000643	.00223	.000610	1.08
15	14.0	-1.0		.93610	557.8	.00237	.000649	.00241	.000660	1.05
16	14.0	-2.0		.93724	558.5	.00232	.000635	.00241	.000660	1.05
17	13.0	-2.0		.93552	557.1	.00234	.000641			1.06
18	12.0	-3.0		.93610	557.8	.00247	.000676			1.11
19	14.0	-3.0		.93267	555.8	.00256	.000701	.00251	.000687	1.15
20	14.0	-4.0		.93324	556.1	.00235	.000643	.00234	.000641	1.04
21	16.0	-4.0		.93381	558.5	.00240	.000657	.00239	.000654	1.13
22	14.0	-6.0		.93610	558.1	.00242	.000662	.00244	.000668	1.06
23	14.0	-8.0		.93495	556.8	.00231	.000632	.00230	.000630	1.05
24	14.0	-12.0		.93838	558.8	.00232	.000635			1.03
25	16.0	-8.0		.93724	558.5	.00228	.000624	.00230	.000630	1.08
26	18.0	-8.0		.93210	555.5	.00229	.000627	.00226	.000619	1.04
27	16.0	-2.0		.93552	559.8	.00240	.000657	.00240	.000657	1.05
28	18.0	-2.0		.93724	558.5	.00234	.000641	.00233	.000638	1.07
29	20.0	-3.0		.93667	557.8	.00230	.000630	.00222	.000608	1.04
30	18.0	-4.0		.93495	559.1	.00239	.000654	.00239	.000654	1.09
31	20.0	-4.0		.93667	558.1	.00232	.000635	.00234	.000641	1.05
32	20.0	-5.0		.93495	557.1	.00240	.000657	.00238	.000652	1.12
33	20.0	-6.0		.93552	557.5	.00230	.000630	.00231	.000632	1.12
34	20.0	-7.0		.93610	557.5	.00226	.000619	.00222	.000608	1.04
35	20.0	-8.0		.94009	559.8	.00229	.000627			1.06
36	20.0	-12.0		.93895	559.5	.00255	.000698			1.15
37	14.0	5.0		.93552	558.1	.00236	.000646	.00238	.000652	1.01
38	14.0	6.0		.93438	557.5	.00237	.000649			1.02
39	32.0	8.0		.93495	557.1	.00240	.000657	.00240	.000657	1.03
40	32.0	10.0		.93381	556.5	.00240	.000657	.00240	.000657	1.04
41	32.0	12.0		.93438	556.5	.00227	.000621			.98
42	50.0	-8.0		.92697	557.5	.00358	.000980			1.72
43	50.0	-5.0		.99087	579.5	.00031	.000085			.15
44	50.0	.0		.99543	582.1	.00024	.000066			.11
45	50.0	6.0		.94294	563.1	.00273	.000747			1.20
46	58.0	.0		.95036	563.1	.00163	.000446			.71
47	58.0	6.0		.93324	558.5	.00241	.000660			1.05
48	58.0	12.0		.93895	559.8	.00234	.000641			1.05
73	14.0	2.0		.93552	558.8	.00258	.000706			1.13
74	16.0	.0		.93495	557.8	.00237	.000649	.00237	.000649	1.05
75	16.0	.0		.93781	560.8	.00276	.000756	.00276	.000756	1.23
76	20.0	.0		.94465	565.1	.00292	.000799			1.32
77	20.0	-1.0		.93952	561.5	.00276	.000756	.00271	.000742	1.23
78	20.0	-2.0		.93952	560.8	.00253	.000693	.00258	.000706	1.18
79	32.0	-4.0		.94865	573.8	.00417	.001142			1.90
80	32.0	-5.0		.94808	569.5	.00326	.000892			1.43
81	32.0	4.0		.93895	561.5	.00263	.000720			1.18
82	32.0	6.0		.93667	558.5	.00240	.000657	.00239	.000654	1.04
85	6.0	.0		.93667	562.8	.00328	.000898			1.07
86	6.0	5.0		.93610	562.8	.00332	.000909			1.02
87	6.0	10.0		.93610	562.5	.00329	.000901			1.01
88	12.0	.0		.93781	561.8	.00278	.000761			1.03
89	12.0	5.0		.93610	561.1	.00290	.000794			1.02
90	12.0	10.0		.93610	560.8	.00295	.000808			1.02
91	18.0	.0		.93610	559.8	.00277	.000758			1.07
92	30.0	.0		.93610	559.1	.00256	.000701			1.04
93	42.0	.0		.93838	559.5	.00228	.000624			1.03
201	2.0	.0	.3	.90586	549.5	.00374	.001024			
202	6.0	.0	.8	.91042	552.5	.00374	.001024	.00374	.001024	
203	10.0	.9	.9	.92811	556.5	.00244	.000668			
204	14.0	.0	1.8	.91955	558.8	.00385	.001054	.00386	.001057	
205	18.0	2.1	1.0	.94922	562.8	.00181	.000496			
206	22.9	.0	2.0	1.00969	597.8	.00149	.000408			
207	27.3	1.9	1.8	.98630	589.1	.00260	.000712			
208	27.3	-1.9	1.8	.95549	570.8	.00254	.000695			
209	35.0	4.2	2.0	.94636	564.5	.00189	.000517			
210	36.0	3.0	2.0	1.00114	586.1	.00030	.000082			
212	36.0	-3.0	2.0	.99315	581.1	.00026	.000071			
213	10.0	.0	1.3	.91213	550.8	.00391	.001070	.00374	.001024	
214	10.0	-.9	.9	.91384	558.5	.00532	.001456			
215	18.0	.0	2.4	.93381	555.1	.00216	.000591	.00209	.000572	
216	18.0	-2.1	1.0	.91784	566.8	.00565	.001547			
217	23.8	.0	1.5	1.01483	600.1	.00152	.000416			
218	27.2	.0	.6	1.00057	596.5	.00212	.000580			
219	30.2	.0	2.0	.98060	593.8	.00438	.001199			
220	30.5	.0	2.9	.97603	602.1	.00600	.001643			
221	30.5	1.0	2.9	.97375	587.5	.00386	.001057			
222	33.0	.0	4.3	.91727	562.1	.00406	.001111			
223	35.0	.0	4.6	.94408	568.1	.00353	.000966			
224	35.0	-4.2	2.0	.92411	569.8	.00692	.001894			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

6. Engine Fairing; $\alpha = 10^{o}$ - Continued

(f) M = 3.51; R = 1.63×10^{6}; $T_t = 699^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.96348	569.8	.00158	.000760			1.07
2	2.0	.0		.96177	568.5	.00158	.000760			1.05
3	2.0	12.0		.95949	567.1	.00143	.000688			.97
4	8.0	.0		.95036	562.1	.00143	.000688			.87
5	9.0	.0		.95036	562.1	.00143	.000688	.00146	.000703	.95
6	10.0	.0		.94808	560.8	.00149	.000717	.00145	.000698	.94
7	11.0	.0		.94922	561.5	.00160	.000770	.00165	.000794	1.07
8	11.5	.0		.94808	560.8	.00160	.000770	.00159	.000765	1.01
9	12.0	1.0		.94865	561.1	.00160	.000770	.00159	.000765	.97
10	12.0	3.0		.95093	563.1	.00161	.000775	.00163	.000785	.98
11	12.0	5.0		.94922	561.8	.00161	.000775			1.01
12	14.0	4.0		.95264	563.5	.00137	.000659	.00137	.000659	.86
13	14.0	1.0		.95150	562.8	.00146	.000703	.00149	.000717	.99
14	14.0	.0		.94751	561.5	.00145	.000698	.00130	.000626	.91
15	14.0	-1.0		.95321	563.5	.00141	.000679	.00146	.000703	.95
16	14.0	-2.0		.95435	564.1	.00139	.000669	.00148	.000712	.87
17	13.0	-2.0		.95207	562.8	.00159	.000765			1.07
18	12.0	-3.0		.95321	563.5	.00141	.000679			.95
19	14.0	-3.0		.94922	561.5	.00142	.000683	.00136	.000655	.90
20	14.0	-4.0		.95036	562.1	.00147	.000708	.00146	.000703	.93
21	16.0	-4.0		.95093	562.1	.00140	.000674	.00139	.000669	.89
22	14.0	-6.0		.95321	563.8	.00160	.000770	.00161	.000775	1.01
23	14.0	-8.0		.95150	562.5	.00141	.000679	.00140	.000674	.89
24	14.0	-12.0		.95492	565.8	.00141	.000679			.94
25	16.0	-8.0		.95435	564.1	.00139	.000669	.00141	.000679	.95
26	18.0	-8.0		.94922	562.5	.00142	.000683	.00138	.000664	.97
27	16.0	-2.0		.95321	563.5	.00159	.000765	.00159	.000765	1.08
28	18.0	-2.0		.95492	564.5	.00141	.000679	.00140	.000674	.99
29	20.0	-3.0		.95435	565.1	.00141	.000679	.00135	.000650	.89
30	18.0	-4.0		.95321	564.1	.00141	.000679	.00141	.000679	.89
31	20.0	-4.0		.95492	564.5	.00141	.000679	.00145	.000698	1.00
32	20.0	-5.0		.95264	564.5	.00142	.000683	.00140	.000674	.95
33	20.0	-6.0		.95321	563.5	.00139	.000669	.00140	.000674	.99
34	20.0	-7.0		.95321	563.5	.00136	.000655	.00131	.000630	.97
35	20.0	-8.0		.95721	565.8	.00137	.000659			.87
36	20.0	-12.0		.95549	565.1	.00159	.000765			1.01
37	14.0	5.0		.95264	563.8	.00147	.000708	.00149	.000717	.97
38	14.0	6.0		.95093	563.1	.00148	.000712			.98
39	32.0	8.0		.95150	562.5	.00142	.000683	.00142	.000683	.95
40	32.0	10.0		.94979	561.8	.00142	.000683	.00142	.000683	.95
41	32.0	12.0		.95036	561.8	.00140	.000674			.98
42	50.0	-8.0		.94351	561.1	.00205	.000987			1.46
43	50.0	-5.0		.99942	584.8	.00032	.000154			.20
45	50.0	6.0		.95949	568.5	.00165	.000794			1.04
46	58.0	.0		.97090	571.8	.00101	.000486			.73
47	58.0	6.0		.95378	563.8	.00159	.000765			1.07
48	58.0	12.0		.95606	566.5	.00141	.000679			1.01
73	14.0	2.0		.95207	563.5	.00160	.000770			1.05
74	16.0	.0		.95264	563.5	.00140	.000674	.00140	.000674	.94
75	18.0	.0		.95435	565.8	.00170	.000818	.00170	.000818	1.07
76	20.0	.0		.96006	568.8	.00166	.000799			1.04
77	20.0	-1.0		.95606	566.5	.00171	.000823	.00166	.000799	1.16
78	20.0	-2.0		.95721	566.5	.00153	.000736	.00161	.000775	.97
79	32.0	-4.0		.96405	575.8	.00250	.001203			1.80
80	32.0	-5.0		.96462	572.8	.00198	.000953			1.35
81	32.0	4.0		.95663	567.1	.00169	.000813			1.07
82	32.0	6.0		.95378	564.1	.00140	.000674	.00139	.000669	.88
85	6.0	.0		.94865	565.5	.00240	.001155			.94
86	6.0	5.0		.94808	566.1	.00248	.001194			.90
87	6.0	10.0		.94751	565.5	.00239	.001150			.95
88	12.0	.0		.95207	565.1	.00199	.000958			1.01
89	12.0	5.0		.94979	564.8	.00205	.000987			1.00
90	12.0	10.0		.94865	564.1	.00203	.000977			.95
91	18.0	.0		.95036	563.8	.00174	.000837			.98
92	30.0	.0		.95207	566.8	.00162	.000780			.95
93	42.0	.0		.95492	564.5	.00139	.000669			.95
201	2.0	.0	.3	.91841	548.1	.00250	.001203			
202	6.0	.0	.8	.92640	551.8	.00211	.001016	.00211	.001016	
203	10.0	.9	.9	.94922	561.8	.00161	.000775			
204	14.0	.0	1.8	.93838	561.8	.00227	.001093	.00227	.001093	
205	18.0	2.1	1.0	.97261	573.1	.00099	.000476			
206	22.9	.0	2.0	1.01596	598.1	.00098	.000472			
208	27.3	-1.9	1.8	.96690	573.1	.00177	.000852			
209	35.0	4.2	2.0	.96747	573.1	.00104	.000501			
210	36.0	3.0	2.0	1.01539	594.1	.00024	.000116			
211	36.0	.0	2.0	1.02166	597.1	.00017	.000082			
213	10.0	.0	1.3	.93096	556.8	.00212	.001020	.00195	.000939	
214	10.0	-.9	.9	.93039	562.1	.00318	.001531			
215	18.0	.0	2.4	.95207	562.1	.00141	.000679	.00134	.000645	
216	18.0	-2.1	1.0	.93610	568.8	.00324	.001559			
217	23.8	.0	1.5	1.02280	602.1	.00094	.000452			
218	27.2	.0	.6	1.00912	596.8	.00130	.000626			
219	30.2	.0	2.0	.98687	590.8	.00291	.001401			
220	30.5	.0	2.9	.98060	592.1	.00401	.001930			
221	30.5	1.0	2.9	.98288	585.5	.00243	.001170			
222	33.0	.0	4.3	.93438	562.8	.00252	.001213			
223	35.0	.0	4.6	.96348	574.8	.00204	.000982			
224	35.0	-4.2	2.0	.93895	571.5	.00396	.001906			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

6. Engine Fairing; $\alpha = 10^{0}$ - Continued

(g) $M = 4.44$; $R = 4.58 \times 10^{6}$; $T_t = 677^{0}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{0}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.93179	562.5	.00220	.001116			1.12
2	2.0	.0		.93403	563.5	.00218	.001105			1.05
3	2.0	12.0		.93011	561.8	.00186	.000943			1.01
4	8.0	.0		.92564	558.5	.00220	.001116			1.07
5	9.0	.0		.92508	559.5	.00204	.001034	.00219	.001110	.96
6	10.0	.0		.91781	553.8	.00201	.001019	.00175	.000887	.91
7	11.0	.0		.92341	557.1	.00221	.001121	.00248	.001257	1.05
8	11.5	.0		.92173	557.1	.00204	.001034	.00199	.001009	.97
9	12.0	1.0		.92285	556.8	.00221	.001121	.00219	.001110	1.03
10	12.0	3.0		.92732	561 1	.00205	.001039	.00210	.001065	1.01
11	12.0	5.0		.92285	557.8	.00225	.001141			1.02
12	14.0	4.0		.92732	559.8	.00191	.000968	.00190	.000963	.96
13	14.0	1.0		.92564	558.1	.00198	.001004	.00203	.001029	.93
14	14.0	.0		.92285	556.8	.00204	.001034	.00184	.000933	1.00
15	14.0	-1.0		.92955	560.5	.00218	.001105	.00226	.001146	1.03
16	14.0	-2.0		.93179	561.8	.00192	.000974	.00222	.001126	.99
17	13.0	-2.0		.92620	558.5	.00219	.001110			1.10
18	12.0	-3.0		.92788	559.5	.00219	.001110			1.03
19	14.0	-3.0		.92341	556.8	.00220	.001116	.00204	.001034	1.11
20	14.0	-4.0		.92341	556.8	.00220	.001116	.00218	.001105	1.10
21	16.0	-4.0		.92285	556.5	.00220	.001116	.00216	.001095	1.12
22	14.0	-6.0		.92676	559.1	.00220	.001116	.00223	.001131	1.03
23	14.0	-8.0		.92452	558.8	.00224	.001136	.00223	.001131	1.05
24	14.0	-12.0		.92676	559.5	.00189	.000958			.95
25	16.0	-8.0		.92620	559.5	.00202	.001024	.00207	.001050	1.02
26	18.0	-8.0		.91726	553.5	.00195	.000989	.00190	.000963	.92
27	16.0	-2.0		.92844	559.5	.00196	.000994	.00194	.000984	1.01
28	18.0	-2.0		.93570	565.1	.00220	.001116	.00226	.001146	1.38
29	20.0	-3.0		.92844	559.5	.00192	.000974	.00179	.000908	.96
30	18.0	-4.0		.92564	558.1	.00219	.001110	.00216	.001095	1.12
31	20.0	-4.0		.93067	562.1	.00201	.001019	.00222	.001126	1.03
32	20.0	-5.0		.92285	556.5	.00220	.001116	.00201	.001019	1.11
33	20.0	-6.0		.92508	558.8	.00203	.001029	.00208	.001055	1.10
34	20.0	-7.0		.92452	557.5	.00219	.001110	.00208	.001055	1.04
35	20.0	-8.0		.92955	561.5	.00201	.001019			1.07
36	20.0	-12.0		.92844	561.5	.00204	.001034			.96
37	14.0	5.0		.92844	564.5	.00203	.001029	.00211	.001070	1.01
38	14.0	6.0		.92676	562.1	.00196	.000994			.92
39	32.0	8.0		.92788	560.5	.00192	.000974	.00193	.000979	1.01
40	32.0	10.0		.92508	559.8	.00206	.001045	.00204	.001034	1.10
41	32.0	12.0		.92564	560.1	.00205	.001039			1.13
42	50.0	-8.0		.91670	554.8	.00294	.001491			1.65
45	50.0	6.0		.94129	571.1	.00292	.001481			1.64
46	58.0	.0		.95080	572.1	.00135	.000685			.76
47	58.0	6.0		.93179	566.1	.00274	.001389			1.53
48	58.0	12.0		.93235	564.8	.00179	.000908			.99
73	14.0	2.0		.92452	559.5	.00206	.001045			1.02
74	16.0	.0		.92620	558.5	.00198	.001004	.00198	.001004	.97
75	18.0	.0		.92788	560.8	.00242	.001227	.00240	.001217	1.22
76	20.0	.0		.93459	565.5	.00245	.001242			1.23
77	20.0	-1.0		.92955	561.5	.00237	.001202	.00226	.001146	1.12
78	20.0	-2.0		.93067	561.1	.00221	.001121	.00225	.001141	1.11
79	32.0	-4.0		.93570	570.5	.00408	.002069			2.06
80	32.0	-5.0		.93515	567.8	.00315	.001597			1.71
81	32.0	4.0		.92955	562.5	.00225	.001141			1.24
82	32.0	6.0		.92900	562.1	.00205	.001039	.00204	.001034	1.11
85	6.0	.0		.92788	562.5	.00278	.001410			.98
86	6.0	5.0		.92900	564.1	.00298	.001511			1.10
87	6.0	10.0		.92732	563.8	.00302	.001531			1.03
88	12.0	.0		.92844	561.5	.00250	.001268			1.01
89	12.0	5.0		.93011	563.8	.00241	.001222			.96
90	12.0	10.0		.92788	563.1	.00297	.001506			1.17
91	18.0	.0		.92676	560.1	.00240	.001217			1.11
92	30.0	.0		.92564	558.8	.00227	.001151			1.02
93	42.0	.0		.92900	563.8	.00199	.001009			1.00
201	2.0	.0	.3	.89545	545.1	.00327	.001658			
202	6.0	.0	.8	.89601	545.8	.00353	.001790	.00353	.001790	
203	10.0	.9	.9	.91614	552.8	.00223	.001131			
204	14.0	.0	1.8	.90496	551.8	.00388	.001967	.00389	.001972	
205	18.0	2.1	1.0	.93826	562.1	.00126	.000639			
206	22.9	.0	2.0	1.00167	601.5	.00139	.000705			
207	27.3	1.9	1.8	.97596	592.8	.00224	.001136			
208	27.3	-1.9	1.8	.93738	566.5	.00247	.001252			
209	35.0	4.2	2.0	.94018	565.1	.00150	.000761			
210	36.0	3.0	2.0	.98266	586.8	.00041	.000208			
211	36.0	.0	2.0	.98322	586.8	.00027	.000137			
213	10.0	.0	1.3	.89545	545.8	.00355	.001800	.00316	.001602	
214	10.0	-.9	.9	.89825	552.5	.00544	.002758			
215	18.0	.0	2.4	.91781	553.5	.00221	.001121	.00216	.001095	
216	18.0	-2.1	1.0	.89657	551.5	.00580	.002941			
217	23.8	.0	1.5	1.00726	606.8	.00145	.000735			
218	27.2	.0	.6	.98714	595.8	.00207	.001050			
219	30.2	.0	2.0	.97596	594.5	.00367	.001861			
220	30.5	.0	2.9	.97316	596.8	.00529	.002682			
221	30.5	1.0	2.9	.97819	594.8	.00358	.001815			
222	33.0	.0	4.3	.90440	552.5	.00463	.002343			
223	35.0	.0	4.6	.92732	562.5	.00326	.001653			
224	35.0	-4.2	2.0	.90440	558.5	.00718	.003641			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{0}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

6. Engine Fairing; $\alpha = 10^{o}$ - Continued

(h) $M = 4.44$; $R = 3.17 \times 10^{6}$; $T_t = 682^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.93975	566.8	.00149	.000537			1.01
2	2.0	.0		.94198	568.8	.00157	.000566			1.06
3	2.0	12.0		.93696	568.1	.00139	.000501			1.02
4	8.0	.0		.93306	563.5	.00159	.000574			.96
5	9.0	.0		.93306	564.1	.00145	.000523	.00160	.000577	.90
6	10.0	.0		.92581	559.8	.00146	.000527	.00119	.000429	.88
7	11.0	.0		.93139	561.5	.00159	.000574	.00188	.000678	.97
8	11.5	.0		.92971	560.1	.00158	.000570	.00145	.000523	1.05
9	12.0	1.0		.93027	561.8	.00159	.000574	.00156	.000565	1.06
10	12.0	3.0		.93473	565.5	.00146	.000527	.00151	.000545	.88
11	12.0	5.0		.93027	561.5	.00152	.000548			1.00
12	14.0	4.0		.93529	566.1	.00137	.000494	.00136	.000491	.98
13	14.0	1.0		.93362	563.5	.00158	.000570	.00164	.000592	1.05
14	14.0	.0		.93139	562.8	.00144	.000519	.00124	.000447	.97
15	14.0	-1.0		.93752	565.8	.00157	.000566	.00166	.000599	1.05
16	14.0	-2.0		.93975	566.1	.00157	.000566	.00186	.000671	.99
17	13.0	-2.0		.93417	564.5	.00144	.000519			.97
18	12.0	-3.0		.93585	565.5	.00144	.000519			.91
19	14.0	-3.0		.93139	562.1	.00158	.000570	.00141	.000509	1.06
20	14.0	-4.0		.93139	562.8	.00145	.000523	.00142	.000512	1.04
21	16.0	-4.0		.93083	562.5	.00145	.000523	.00141	.000509	1.05
22	14.0	-6.0		.93473	564.1	.00158	.000570	.00161	.000581	1.14
23	14.0	-8.0		.93250	562.8	.00158	.000570	.00157	.000566	1.14
24	14.0	-12.0		.93473	563.5	.00126	.000455			.85
25	16.0	-8.0		.93417	565.1	.00137	.000494	.00142	.000512	.92
26	18.0	-8.0		.92581	557.5	.00149	.000537	.00140	.000505	1.03
27	16.0	-2.0		.93585	564.8	.00157	.000566	.00154	.000556	1.13
28	18.0	-2.0		.94366	569.5	.00078	.000281	.00085	.000307	.50
29	20.0	-3.0		.93696	564.1	.00148	.000534	.00140	.000505	1.06
30	18.0	-4.0		.93417	564.1	.00143	.000516	.00140	.000505	1.03
31	20.0	-4.0		.93919	567.1	.00143	.000516	.00163	.000588	.96
32	20.0	-5.0		.93139	562.8	.00144	.000519	.00124	.000447	.99
33	20.0	-6.0		.93362	563.8	.00144	.000519	.00149	.000537	.99
34	20.0	-7.0		.93362	565.1	.00136	.000491	.00120	.000433	1.02
35	20.0	-8.0		.93808	567.1	.00135	.000487			.93
36	20.0	-12.0		.93696	564.5	.00126	.000455			.85
37	14.0	5.0		.93641	566.5	.00145	.000523	.00152	.000548	1.03
38	14.0	6.0		.93417	565.5	.00146	.000527			1.04
39	32.0	8.0		.93585	566.8	.00138	.000498	.00139	.000501	.98
40	32.0	10.0		.93250	562.5	.00151	.000545	.00149	.000537	1.10
41	32.0	12.0		.93306	562.8	.00150	.000541			1.18
42	50.0	-8.0		.92134	557.5	.00204	.000736			1.53
43	50.0	-5.0		.97713	583.5	.00024	.000087			.18
44	50.0	.0		.98047	585.8	.00032	.000115			.22
45	50.0	6.0		.94756	574.5	.00218	.000786			1.63
46	58.0	.0		.95649	575.1	.00112	.000404			.87
47	58.0	6.0		.93919	568.8	.00200	.000721			1.49
48	58.0	12.0		.94031	567.1	.00149	.000537			1.27
73	14.0	2.0		.93250	563.1	.00159	.000574			.98
74	16.0	.0		.93417	564.8	.00145	.000523	.00145	.000523	.97
75	18.0	.0		.93585	565.1	.00173	.000624	.00172	.000620	1.24
76	20.0	.0		.94031	568.5	.00213	.000768			1.37
77	20.0	-1.0		.93696	565.8	.00178	.000642	.00169	.000610	1.28
78	20.0	-2.0		.93864	566.8	.00158	.000570	.00164	.000592	1.06
79	32.0	-4.0		.94254	573.8	.00290	.001046			2.00
80	32.0	-5.0		.94198	572.5	.00228	.000822			1.57
81	32.0	4.0		.93696	568.1	.00164	.000592			1.12
82	32.0	6.0		.93641	567.1	.00138	.000498	.00137	.000494	.99
85	6.0	.0		.93306	565.5	.00220	.000794			1.02
86	6.0	5.0		.93417	570.1	.00207	.000747			.99
87	6.0	10.0		.93139	568.5	.00221	.000797			1.08
88	12.0	.0		.93529	565.1	.00185	.000667			1.02
89	12.0	5.0		.93585	566.5	.00184	.000664			1.06
90	12.0	10.0		.93306	565.5	.00185	.000667			1.03
91	18.0	.0		.93362	563.8	.00177	.000639			1.03
92	30.0	.0		.93362	563.1	.00174	.000628			1.04
93	42.0	.0		.93696	566.1	.00144	.000519			.97
201	2.0	.0	.3	.90294	548.5	.00264	.000952			
202	6.0	.0	.8	.90628	550.5	.00252	.000909	.00252	.000909	
203	10.0	.9	.9	.92748	560.8	.00146	.000527			
204	14.0	.0	1.8	.91409	556.5	.00265	.000956	.00266	.000960	
205	18.0	2.1	1.0	.94868	569.5	.00085	.000307			
206	22.9	.0	2.0	1.01114	607.1	.00102	.000368			
207	27.3	1.9	1.8	.98605	596.1	.00152	.000548			
208	27.3	-1.9	1.8	.94812	574.5	.00175	.000631			
209	35.0	4.2	2.0	.95147	573.1	.00098	.000354			
210	36.0	3.0	2.0	.98661	589.8	.00035	.000126			
211	36.0	.0	2.0	.98549	589.5	.00030	.000108			
212	36.0	-3.0	2.0	.97489	582.8	.00039	.000141			
213	10.0	.0	1.3	.90517	550.8	.00262	.000945	.00230	.000830	
214	10.0	-.9	.9	.90740	558.5	.00408	.001472			
215	18.0	.0	2.4	.92748	560.1	.00168	.000606	.00154	.000556	
216	18.0	-2.1	1.0	.90684	558.1	.00433	.001562			
217	23.8	.0	1.5	1.01728	611.1	.00104	.000375			
218	27.2	.0	.6	.98940	598.1	.00151	.000545			
219	30.2	.0	2.0	.98215	597.5	.00277	.000999			
220	30.5	.0	2.9	.97824	602.1	.00444	.001602			
221	30.5	1.0	2.9	.98772	599.1	.00268	.000967			
222	33.0	.0	4.3	.91800	559.1	.00332	.001198			
223	35.0	.0	4.6	.94031	570.8	.00226	.000815			
224	35.0	-4.2	2.0	.91298	568.1	.00468	.001688			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

6. Engine Fairing; $\alpha = 10^{o}$ - Concluded

(i) $M = 4.44$; $R = 2.15 \times 10^{6}$; $T_t = 675^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94421	563.1	.00086	.000462			.82
2	2.0	.0		.94590	564.8	.00108	.000581			.92
3	2.0	12.0		.94083	562.1	.00091	.000489			.78
4	8.0	.0		.93632	558.5	.00107	.000575			1.06
5	9.0	.0		.93632	558.5	.00106	.000570	.00119	.000640	1.00
6	10.0	.0		.92900	554.1	.00105	.000565	.00081	.000436	1.04
7	11.0	.0		.93407	557.1	.00110	.000591	.00133	.000715	1.10
8	11.5	.0		.93238	556.1	.00109	.000586	.00105	.000565	1.08
9	12.0	1.0		.93351	556.8	.00106	.000570	.00104	.000559	1.05
10	12.0	3.0		.93745	559.5	.00108	.000581	.00112	.000602	1.06
11	12.0	5.0		.93407	557.8	.00091	.000489			.86
12	14.0	4.0		.93745	559.1	.00081	.000436	.00080	.000430	.70
13	14.0	1.0		.93632	558.5	.00096	.000516	.00108	.000581	.95
14	14.0	.0		.93407	556.8	.00106	.000570	.00088	.000473	1.05
15	14.0	-1.0		.94027	560.8	.00103	.000554	.00111	.000597	.90
16	14.0	-2.0		.94309	562.1	.00105	.000565	.00133	.000715	1.05
17	13.0	-2.0		.93689	559.8	.00096	.000516			.96
18	12.0	-3.0		.93914	559.8	.00107	.000575			1.02
19	14.0	-3.0		.93407	557.5	.00097	.000522	.00075	.000403	.96
20	14.0	-4.0		.93463	557.1	.00106	.000570	.00104	.000559	1.06
21	16.0	-4.0		.93407	556.8	.00106	.000570	.00102	.000548	1.06
22	14.0	-6.0		.93858	559.5	.00105	.000565	.00108	.000581	.91
23	14.0	-8.0		.93632	558.1	.00102	.000548	.00101	.000543	1.02
24	14.0	-12.0		.93801	559.5	.00105	.000565			1.18
25	16.0	-8.0		.93745	559.5	.00086	.000462	.00094	.000505	.86
26	18.0	-8.0		.92900	555.5	.00105	.000565	.00089	.000479	1.05
27	16.0	-2.0		.93970	559.8	.00106	.000570	.00104	.000559	1.06
28	18.0	-2.0		.94759	564.5	.00105	.000565	.00111	.000597	.88
29	20.0	-3.0		.94083	560.5	.00106	.000570	.00100	.000538	1.01
30	18.0	-4.0		.93745	558.8	.00103	.000554	.00101	.000543	1.16
31	20.0	-4.0		.94309	561.8	.00104	.000559	.00122	.000656	1.03
32	20.0	-5.0		.93520	557.8	.00096	.000516	.00073	.000393	.96
33	20.0	-6.0		.93689	558.5	.00103	.000554	.00108	.000581	1.03
34	20.0	-7.0		.93689	558.1	.00102	.000548	.00099	.000532	1.15
35	20.0	-8.0		.94140	562.1	.00096	.000516			1.08
36	20.0	-12.0		.94027	560.8	.00102	.000548			.97
37	14.0	5.0		.93914	560.5	.00104	.000559	.00111	.000597	.97
38	14.0	6.0		.93745	560.1	.00091	.000489			.89
39	32.0	8.0		.93914	560.1	.00082	.000441	.00083	.000446	.81
40	32.0	10.0		.93632	560.1	.00088	.000473	.00087	.000468	.87
41	32.0	12.0		.93689	558.8	.00078	.000419			.77
42	50.0	-8.0		.92505	553.8	.00132	.000710			1.48
45	50.0	6.0		.95154	572.5	.00146	.000785			1.46
46	58.0	.0		.95830	571.1	.00079	.000425			.90
47	58.0	6.0		.94365	566.1	.00140	.000753			1.57
48	58.0	12.0		.94478	563.5	.00078	.000419			.92
73	14.0	2.0		.93463	557.5	.00108	.000581			1.17
74	16.0	.0		.93745	558.8	.00107	.000575	.00108	.000581	.95
75	18.0	.0		.93745	560.8	.00129	.000694	.00128	.000688	1.28
76	20.0	.0		.94083	562.1	.00137	.000737			1.57
77	20.0	-1.0		.93914	561.8	.00129	.000694	.00123	.000661	1.28
78	20.0	-2.0		.94252	561.8	.00109	.000586	.00115	.000618	1.09
79	32.0	-4.0		.94759	569.1	.00199	.001070			1.99
80	32.0	-5.0		.94534	567.8	.00141	.000758			1.58
81	32.0	4.0		.94140	562.5	.00111	.000597			1.25
82	32.0	6.0		.94027	560.8	.00080	.000430	.00079	.000425	.79
85	6.0	.0		.93632	562.1	.00152	.000817			.90
86	6.0	5.0		.93689	562.1	.00159	.000855			.98
87	6.0	10.0		.93520	563.5	.00146	.000785			.63
88	12.0	.0		.93745	562.5	.00141	.000758			1.06
89	12.0	5.0		.93858	562.5	.00131	.000704			.89
90	12.0	10.0		.93576	560.8	.00119	.000640			.80
91	18.0	.0		.93576	560.1	.00130	.000699			.95
92	30.0	.0		.93576	558.8	.00111	.000597			.93
93	42.0	.0		.93970	561.5	.00096	.000516			.91
201	2.0	.0	.3	.90590	543.8	.00175	.000941			
202	6.0	.0	.8	.90308	544.5	.00156	.000839	.00155	.000833	
203	10.0	.9	.9	.92787	554.1	.00097	.000522			
204	14.0	.0	1.8	.91604	551.5	.00179	.000962	.00180	.000968	
205	18.0	2.1	1.0	.95097	565.1	.00077	.000414			
206	22.9	.0	2.0	.99943	594.1	.00065	.000349			
207	27.3	1.9	1.8	.97689	582.8	.00101	.000543			
208	27.3	-1.9	1.8	.94140	563.5	.00129	.000694			
209	35.0	4.2	2.0	.95266	567.8	.00079	.000425			
212	36.0	-3.0	2.0	.97577	577.8	.00028	.000151			
213	10.0	.0	1.3	.90702	545.5	.00165	.000887	.00122	.000656	
214	10.0	-.9	.9	.91040	550.5	.00240	.001290			
215	18.0	.0	2.4	.92675	552.8	.00117	.000629	.00109	.000586	
216	18.0	-2.1	1.0	.91210	551.5	.00280	.001506			
217	23.8	.0	1.5	1.00676	598.5	.00068	.000366			
218	27.2	.0	.6	.98591	588.1	.00100	.000538			
219	30.2	.0	2.0	.97464	588.1	.00209	.001124			
220	30.5	.0	2.9	.97070	588.8	.00331	.001780			
221	30.5	1.0	2.9	.97858	587.1	.00178	.000957			
222	33.0	.0	4.3	.91604	552.5	.00221	.001188			
223	35.0	.0	4.6	.94027	563.8	.00150	.000807			
224	35.0	-4.2	2.0	.91773	556.5	.00297	.001597			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

7. Corrugated Panel with 30° Wedge Leading Edge; $\alpha = 0^{\circ}$

(a) $M = 2.65$; $R = 3.89 \times 10^6$; $T_t = 714^{\circ}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.93936	580.8	.00561	.000799			1.02
2	2.0	.0		.93881	581.5	.00575	.000819			.99
3	2.0	12.0		.93881	581.8	.00575	.000819			.99
4	8.0	.0		.95716	599.1	.00769	.001095			1.34
5	9.0	.0		.96384	602.8	.00754	.001074	.00754	.001074	1.30
6	10.0	.0		.96551	606.8	.00835	.001189	.00891	.001269	1.44
42	50.0	-8.0		.97163	586.8	.00169	.000241			.31
43	50.0	-5.0		.97329	585.8	.00121	.000172			.22
44	50.0	.0		.96884	581.5	.00064	.000091			.12
45	50.0	6.0		.97385	586.8	.00126	.000179			.23
46	58.0	.0		.92379	570.8	.00533	.000759			.95
47	58.0	6.0		.91989	572.8	.00650	.000925			1.11
48	58.0	12.0		.93825	582.1	.00602	.000857			1.04
301	1.0	1.5	1.1	.93213	564.5	.00209	.000298	.00189	.000269	
302	1.0	1.0	1.6	.90488	558.8	.00463	.000659	.00415	.000591	
303	1.0	.5	1.1	.93213	564.8	.00226	.000322	.00217	.000309	
304	1.0	.0	.6	.95216	575.5	.00156	.000222			
305	2.0	1.5	1.1	.92323	569.1	.00467	.000665	.00443	.000631	
306	2.0	1.0	1.6	.90154	563.1	.00552	.000786	.00469	.000668	
307	2.0	.5	1.1	.92323	571.8	.00436	.000621	.00400	.000570	
308	2.0	.0	.6	.95271	585.1	.00391	.000557	.00510	.000726	
309	3.0	1.5	1.1	.92323	572.8	.00583	.000830	.00565	.000804	
310	3.0	1.0	1.6	.90988	562.1	.00518	.000738	.00437	.000622	
311	3.0	.5	1.1	.92601	581.5	.00530	.000755	.00541	.000770	
312	3.0	.0	.6	.94882	589.5	.00592	.000843	.00698	.000994	
313	4.0	1.5	1.1	.92156	573.1	.00631	.000898	.00623	.000887	
314	4.0	1.0	1.6	.90988	565.5	.00616	.000877	.00573	.000816	
315	4.0	.5	1.1	.91878	571.5	.00614	.000874	.00587	.000836	
316	4.0	.0	.6	.94159	583.8	.00524	.000746			
317	5.0	1.5	1.1	.91989	570.8	.00566	.000806			
318	5.0	1.0	1.6	.90988	564.8	.00611	.000870	.00573	.000816	
319	5.0	.5	1.1	.91711	568.5	.00537	.000765			
321	6.0	1.5	1.1	.92212	570.1	.00533	.000759	.00535	.000762	
322	6.0	1.0	1.6	.91211	568.8	.00552	.000786	.00508	.000723	
323	6.0	.5	1.1	.92101	574.1	.00534	.000760	.00544	.000775	
324	6.0	.0	.6	.92991	574.5	.00467	.000665			
325	8.0	1.5	1.1	.92379	575.1	.00515	.000733	.00520	.000740	
326	8.0	1.0	1.6	.91433	568.8	.00504	.000718	.00450	.000641	
327	8.0	.5	1.1	.92657	575.5	.00480	.000683	.00492	.000700	
328	8.0	.0	.6	.93547	576.1	.00418	.000595	.00441	.000628	
329	10.0	1.5	1.1	.93324	580.1	.00493	.000702	.00524	.000746	
330	10.0	1.0	1.6	.91656	574.5	.00507	.000722	.00451	.000642	
331	10.0	.5	1.1	.92657	574.8	.00451	.000642	.00438	.000624	
332	10.0	.0	.6	.94103	581.8	.00411	.000585	.00427	.000608	
333	12.0	1.5	1.1	.93269	580.5	.00496	.000706	.00335	.000477	
334	12.0	1.0	1.6	.91989	572.8	.00517	.000736	.00505	.000719	
336	12.0	.0	.6	1.01390	622.1	.00311	.000443	.00345	.000491	
337	14.0	1.5	1.1	.98553	603.5	.00388	.000552	.00465	.000662	
338	14.0	1.0	1.6	.96106	595.1	.00455	.000648	.00418	.000595	
339	14.0	.5	1.1	.96217	595.5	.00430	.000612	.00433	.000616	
340	14.0	.0	.6	.96773	592.1	.00340	.000484	.00298	.000424	
341	18.0	1.5	1.1	.95549	584.5	.00397	.000565	.00459	.000654	
342	18.0	1.0	1.6	.93769	574.5	.00462	.000658	.00418	.000595	
343	18.0	.5	1.1	.94048	577.5	.00448	.000638	.00459	.000654	
344	18.0	.0	.6	.94103	576.1	.00369	.000525	.00335	.000477	
345	22.0	1.5	1.1	.93769	576.1	.00410	.000584	.00419	.000597	
346	22.0	1.0	1.6	.92546	570.8	.00486	.000692	.00467	.000665	
347	22.0	.5	1.1	.93102	570.8	.00413	.000588	.00395	.000562	
348	22.0	.0	.6	.94326	582.8	.00344	.000490	.00324	.000461	
349	26.0	1.5	1.1	.93603	573.8	.00410	.000584	.00422	.000601	
350	26.0	1.0	1.6	.92379	568.5	.00461	.000656	.00435	.000619	
351	26.0	.5	1.1	.93046	570.1	.00349	.000497	.00379	.000540	
352	26.0	.0	.6	.94381	575.1	.00306	.000436	.00332	.000473	
353	30.0	1.5	1.1	.93269	572.8	.00434	.000618	.00426	.000607	
354	30.0	1.0	1.6	.92490	570.5	.00487	.000693	.00467	.000665	
355	30.0	.5	1.1	.93269	573.5	.00419	.000597	.00416	.000592	
356	30.0	.0	.6	.94493	577.1	.00328	.000467	.00358	.000510	
357	4.0	-6.0	.6	.93269	578.8	.00597	.000850			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

7. Corrugated Panel with 30° Wedge Leading Edge; $\alpha = 0^{\circ}$ - Continued

(b) M = 2.65; R = 2.52×10^6; T_t = 712° R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94960	578.5	.00379	.000833			.98
2	2.0	.0		.94792	578.1	.00385	.000846			.99
3	2.0	12.0		.94792	578.5	.00387	.000850			1.01
4	8.0	.0		.96304	592.5	.00523	.001149			1.33
5	9.0	.0		.96864	595.5	.00518	.001138	.00516	.001134	1.32
6	10.0	.0		.97032	599.5	.00615	.001351	.00638	.001402	1.57
42	50.0	-8.0		.98768	590.1	.00099	.000218			.26
43	50.0	-5.0		.98824	589.8	.00075	.000165			.20
44	50.0	.0		.98544	586.8	.00041	.000090			.11
45	50.0	6.0		.98768	589.8	.00078	.000171			.21
46	58.0	.0		.93280	568.1	.00360	.000791			.95
47	58.0	6.0		.92832	568.8	.00454	.000997			1.11
48	58.0	12.0		.94512	577.8	.00414	.000910			1.05
301	1.0	1.5	1.1	.94456	568.8	.00156	.000343	.00136	.000299	
302	1.0	1.0	1.6	.91992	562.1	.00301	.000661	.00254	.000558	
303	1.0	.5	1.1	.94400	566.1	.00154	.000338	.00141	.000310	
304	1.0	.0	.6	.96304	576.5	.00121	.000266	.00186	.000409	
305	2.0	1.5	1.1	.93280	567.1	.00308	.000677	.00323	.000710	
306	2.0	1.0	1.6	.91152	560.1	.00388	.000852	.00306	.000672	
307	2.0	.5	1.1	.93224	566.5	.00327	.000718	.00297	.000653	
308	2.0	.0	.6	.95968	581.8	.00280	.000615	.00378	.000831	
309	3.0	1.5	1.1	.93112	569.1	.00412	.000905	.00396	.000870	
310	3.0	1.0	1.6	.91768	561.1	.00338	.000743	.00248	.000545	
311	3.0	.5	1.1	.93392	571.1	.00411	.000903	.00420	.000923	
312	3.0	.0	.6	.95520	584.8	.00384	.000844			
313	4.0	1.5	1.1	.93000	572.8	.00423	.000929	.00418	.000918	
314	4.0	1.0	1.6	.91768	561.1	.00418	.000918	.00369	.000811	
315	4.0	.5	1.1	.92776	571.5	.00423	.000929	.00402	.000883	
316	4.0	.0	.6	.95072	580.5	.00369	.000811			
317	5.0	1.5	1.1	.92944	567.8	.00411	.000903			
318	5.0	1.0	1.6	.91936	567.8	.00390	.000857	.00351	.000771	
319	5.0	.5	1.1	.92720	565.8	.00365	.000802			
321	6.0	1.5	1.1	.93224	568.1	.00367	.000806	.00371	.000815	
322	6.0	1.0	1.6	.92216	562.8	.00393	.000863	.00357	.000784	
323	6.0	.5	1.1	.93112	568.1	.00389	.000855	.00395	.000868	
324	6.0	.0	.6	.94064	572.1	.00344	.000756			
325	8.0	1.5	1.1	.93448	569.5	.00367	.000806	.00367	.000806	
326	8.0	1.0	1.6	.92552	563.5	.00351	.000771	.00309	.000679	
327	8.0	.5	1.1	.93672	572.5	.00319	.000701	.00327	.000718	
328	8.0	.0	.6	.94680	578.8	.00301	.000661	.00308	.000677	
329	10.0	1.5	1.1	.94400	574.8	.00294	.000646	.00349	.000767	
330	10.0	1.0	1.6	.92776	565.5	.00370	.000813	.00325	.000714	
331	10.0	.5	1.1	.93672	569.5	.00326	.000716	.00314	.000690	
332	10.0	.0	.6	.95128	576.8	.00282	.000620	.00300	.000659	
333	12.0	1.5	1.1	.94344	574.8	.00362	.000795			
334	12.0	1.0	1.6	.93056	567.1	.00368	.000809	.00359	.000789	
336	12.0	.0	.6	1.01175	613.5	.00233	.000512	.00259	.000569	
337	14.0	1.5	1.1	.98656	598.1	.00272	.000598	.00345	.000758	
338	14.0	1.0	1.6	.96696	587.1	.00331	.000727	.00301	.000661	
339	14.0	.5	1.1	.96528	590.8	.00313	.000688	.00313	.000688	
340	14.0	.0	.6	.96808	589.1	.00249	.000547	.00219	.000481	
341	18.0	1.5	1.1	.95352	581.5	.00308	.000677	.00351	.000771	
342	18.0	1.0	1.6	.94008	571.8	.00327	.000718	.00284	.000624	
343	18.0	.5	1.1	.94680	575.1	.00303	.000666	.00313	.000688	
344	18.0	.0	.6	.95016	574.8	.00245	.000538	.00223	.000490	
345	22.0	1.5	1.1	.94456	578.8	.00291	.000639	.00295	.000648	
346	22.0	1.0	1.6	.93168	568.8	.00354	.000778	.00330	.000725	
347	22.0	.5	1.1	.93616	569.5	.00292	.000642	.00275	.000604	
348	22.0	.0	.6	.95016	575.1	.00246	.000540	.00269	.000591	
349	26.0	1.5	1.1	.94344	579.1	.00305	.000670	.00274	.000602	
350	26.0	1.0	1.6	.93112	567.5	.00333	.000732	.00308	.000677	
351	26.0	.5	1.1	.93728	569.1	.00272	.000598	.00256	.000562	
352	26.0	.0	.6	.95296	575.1	.00207	.000455	.00236	.000519	
353	30.0	1.5	1.1	.94176	574.5	.00303	.000666	.00293	.000644	
354	30.0	1.0	1.6	.93504	569.5	.00365	.000802	.00346	.000760	
355	30.0	.5	1.1	.94120	574.8	.00292	.000642	.00285	.000626	
356	30.0	.0	.6	.95296	577.1	.00224	.000492	.00261	.000573	
357	4.0	-6.0	.6	.93840	575.8	.00436	.000958			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

7. Corrugated Panel with 30° Wedge Leading Edge; $\alpha = 0^{\circ}$ - Continued

(c) $M = 2.65$; $R = 1.28 \times 10^6$; $T_t = 709^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.96235	578.5	.00211	.000915			.98
2	2.0	.0		.96010	577.8	.00219	.000950			1.01
3	2.0	12.0		.95954	577.8	.00215	.000932			1.00
4	8.0	.0		.97078	587.1	.00286	.001240			1.29
5	9.0	.0		.97640	589.8	.00279	.001210	.00276	.001197	1.30
6	10.0	.0		.98145	594.1	.00297	.001288	.00316	.001370	1.30
42	50.0	-8.0		1.00000	593.5	.00043	.000186			.20
43	50.0	-5.0		.99943	592.8	.00036	.000156			.17
44	50.0	.0		.99775	591.8	.00032	.000139			.15
45	50.0	6.0		.99831	592.1	.00037	.000160			.17
46	58.0	.0		.94405	568.1	.00201	.000872			.95
47	58.0	6.0		.94212	568.1	.00252	.001093			1.13
48	58.0	12.0		.95392	574.8	.00234	.001015			1.09
301	1.0	1.5	1.1	.96572	573.8	.00089	.000386	.00081	.000351	
302	1.0	1.0	1.6	.94718	570.5	.00163	.000707	.00146	.000633	
303	1.0	.5	1.1	.96516	573.8	.00089	.000386	.00081	.000351	
304	1.0	.0	.6	.97921	581.1	.00064	.000278			
305	2.0	1.5	1.1	.94943	569.8	.00197	.000854	.00179	.000776	
306	2.0	1.0	1.6	.93257	563.8	.00297	.001288			
307	2.0	.5	1.1	.94886	569.1	.00170	.000737	.00150	.000651	
308	2.0	.0	.6	.97078	581.8	.00148	.000642			
309	3.0	1.5	1.1	.94437	568.8	.00219	.000950	.00203	.000880	
310	3.0	1.0	1.6	.93313	560.1	.00200	.000867			
311	3.0	.5	1.1	.94774	572.5	.00219	.000950	.00227	.000984	
312	3.0	.0	.6	.96460	581.5	.00228	.000989			
313	4.0	1.5	1.1	.94381	569.1	.00258	.001119	.00256	.001110	
314	4.0	1.0	1.6	.93201	560.8	.00239	.001037	.00188	.000815	
315	4.0	.5	1.1	.94100	567.5	.00239	.001037	.00220	.000954	
316	4.0	.0	.6	.96123	578.5	.00215	.000932			
317	5.0	1.5	1.1	.94325	567.8	.00219	.000950			
318	5.0	1.0	1.6	.93201	563.8	.00237	.001028	.00202	.000876	
319	5.0	.5	1.1	.94044	565.8	.00204	.000885			
321	6.0	1.5	1.1	.94662	568.5	.00198	.000859	.00202	.000876	
322	6.0	1.0	1.6	.93819	565.8	.00204	.000885	.00177	.000768	
323	6.0	.5	1.1	.94549	571.5	.00191	.000828	.00197	.000854	
324	6.0	.0	.6	.95280	571.5	.00177	.000768			
325	8.0	1.5	1.1	.94943	571.8	.00191	.000828	.00192	.000833	
326	8.0	1.0	1.6	.94268	565.8	.00198	.000859	.00167	.000724	
327	8.0	.5	1.1	.95224	572.5	.00178	.000772	.00188	.000815	
328	8.0	.0	.6	.95785	573.8	.00158	.000685	.00180	.000781	
329	10.0	1.5	1.1	.95954	575.8	.00195	.000846	.00210	.000911	
330	10.0	1.0	1.6	.94493	567.8	.00199	.000863	.00164	.000711	
331	10.0	.5	1.1	.95167	572.1	.00166	.000720	.00154	.000668	
332	10.0	.0	.6	.96347	576.8	.00156	.000677	.00165	.000716	
333	12.0	1.5	1.1	.95898	575.5	.00195	.000846			
334	12.0	1.0	1.6	.94830	569.5	.00197	.000854	.00188	.000815	
336	12.0	.0	.6	1.02584	614.1	.00131	.000568	.00157	.000681	
337	14.0	1.5	1.1	1.00168	600.1	.00167	.000724			
338	14.0	1.0	1.6	.98482	589.8	.00187	.000811	.00164	.000711	
339	14.0	.5	1.1	.98201	590.8	.00162	.000703	.00156	.000677	
340	14.0	.0	.6	.98258	590.5	.00122	.000529			
341	18.0	1.5	1.1	.96853	583.5	.00161	.000698	.00209	.000906	
342	18.0	1.0	1.6	.95785	574.8	.00176	.000763	.00141	.000612	
343	18.0	.5	1.1	.96235	576.8	.00157	.000681	.00164	.000711	
344	18.0	.0	.6	.96460	577.5	.00126	.000546			
345	22.0	1.5	1.1	.96010	577.5	.00165	.000716	.00179	.000776	
346	22.0	1.0	1.6	.94943	572.8	.00181	.000785	.00164	.000711	
347	22.0	.5	1.1	.95167	571.1	.00143	.000620	.00125	.000542	
348	22.0	.0	.6	.96291	576.5	.00122	.000529	.00142	.000616	
349	26.0	1.5	1.1	.95785	574.8	.00159	.000690	.00168	.000729	
350	26.0	1.0	1.6	.94830	570.1	.00180	.000781	.00162	.000703	
351	26.0	.5	1.1	.95167	571.1	.00138	.000598	.00128	.000555	
352	26.0	.0	.6	.96460	576.5	.00101	.000438	.00125	.000542	
353	30.0	1.5	1.1	.95448	573.8	.00160	.000694	.00152	.000659	
354	30.0	1.0	1.6	.95111	572.5	.00179	.000776	.00166	.000720	
355	30.0	.5	1.1	.95561	573.5	.00159	.000690	.00153	.000664	
356	30.0	.0	.6	.96516	577.5	.00127	.000551	.00156	.000677	
357	4.0	-6.0	.6	.95055	574.1	.00239	.001037			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

7. Corrugated Panel with 30° Wedge Leading Edge; α = 0° - Continued

(d) M = 3.51; R = 3.98 × 10^6; T_t = 710° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94960	576.8	.00295	.000575			.94
2	2.0	.0		.94568	575.5	.00309	.000602			.95
3	2.0	12.0		.94568	574.8	.00287	.000559			.90
4	8.0	.0		.96192	590.5	.00441	.000859			1.35
5	9.0	.0		.97200	596.8	.00441	.000859	.00443	.000863	1.34
6	10.0	.0		.97928	602.5	.00464	.000904	.00505	.000984	1.45
42	50.0	-8.0		1.00167	596.8	.00041	.000080			.13
43	50.0	-5.0		1.00895	600.8	.00050	.000097			.16
44	50.0	.0		1.00447	598.5	.00037	.000072			.12
45	50.0	6.0		1.00167	596.8	.00041	.000080			.13
46	58.0	.0		.93168	564.5	.00266	.000518			.86
47	58.0	6.0		.93504	569.5	.00312	.000608			.99
48	58.0	12.0		.94400	574.8	.00320	.000623			1.00
301	1.0	1.5	1.1	.93896	563.1	.00134	.000261	.00115	.000224	
302	1.0	1.0	1.6	.91096	557.5	.00291	.000567	.00230	.000448	
303	1.0	.5	1.1	.93896	568.1	.00133	.000259	.00107	.000208	
304	1.0	.0	.6	.96416	576.5	.00098	.000191			
305	2.0	1.5	1.1	.92216	560.1	.00294	.000573	.00261	.000508	
306	2.0	1.0	1.6	.90032	550.1	.00348	.000678			
307	2.0	.5	1.1	.91992	560.8	.00270	.000526	.00214	.000417	
308	2.0	.0	.6	.95240	578.1	.00260	.000504	.00394	.000768	
309	3.0	1.5	1.1	.91712	562.8	.00342	.000666	.00311	.000606	
310	3.0	1.0	1.6	.90536	550.5	.00301	.000586	.00234	.000456	
311	3.0	.5	1.1	.91824	565.5	.00318	.000619	.00301	.000586	
312	3.0	.0	.6	.94232	576.8	.00362	.000705	.00487	.000949	
313	4.0	1.5	1.1	.91600	563.8	.00353	.000688	.00360	.000701	
314	4.0	1.0	1.6	.90704	558.1	.00319	.000621	.00266	.000518	
315	4.0	.5	1.1	.91320	562.1	.00354	.000690	.00343	.000668	
316	4.0	.0	.6	.93840	573.1	.00311	.000606			
317	5.0	1.5	1.1	.91656	560.1	.00343	.000668			
318	5.0	1.0	1.6	.90760	554.1	.00345	.000672	.00313	.000610	
319	5.0	.5	1.1	.91432	558.1	.00318	.000619			
321	6.0	1.5	1.1	.92048	565.1	.00293	.000571	.00294	.000573	
322	6.0	1.0	1.6	.91096	555.1	.00307	.000598	.00284	.000553	
323	6.0	.5	1.1	.91936	562.8	.00313	.000610	.00315	.000614	
324	6.0	.0	.6	.93000	565.1	.00275	.000536			
325	8.0	1.5	1.1	.92720	565.8	.00281	.000547	.00281	.000547	
326	8.0	1.0	1.6	.91824	562.1	.00274	.000534	.00224	.000436	
327	8.0	.5	1.1	.92288	565.8	.00266	.000518	.00270	.000526	
328	8.0	.0	.6	.94008	568.8	.00230	.000448	.00255	.000497	
329	10.0	1.5	1.1	.93896	572.5	.00265	.000516	.00289	.000563	
330	10.0	1.0	1.6	.92384	564.1	.00280	.000545	.00250	.000487	
331	10.0	.5	1.1	.93224	567.5	.00253	.000493	.00238	.000464	
332	10.0	.0	.6	.94792	574.8	.00210	.000409	.00248	.000483	
333	12.0	1.5	1.1	.94008	575.5	.00256	.000499	.00259	.000505	
334	12.0	1.0	1.6	.92832	568.8	.00278	.000542	.00279	.000544	
336	12.0	.0	.6	.95576	579.5	.00208	.000405	.00210	.000409	
337	14.0	1.5	1.1	.94232	571.5	.00251	.000489	.00245	.000477	
338	14.0	1.0	1.6	.93112	570.5	.00271	.000528	.00225	.000438	
339	14.0	.5	1.1	.94176	571.8	.00270	.000526	.00265	.000516	
340	14.0	.0	.6	.95800	578.5	.00207	.000403	.00254	.000495	
341	18.0	1.5	1.1	.94848	578.1	.00262	.000510	.00275	.000536	
342	18.0	1.0	1.6	.93896	570.5	.00289	.000563	.00255	.000497	
343	18.0	.5	1.1	.94904	579.8	.00242	.000471	.00255	.000497	
344	18.0	.0	.6	.95632	577.8	.00196	.000382	.00208	.000405	
345	22.0	1.5	1.1	.95240	579.8	.00248	.000483	.00249	.000485	
346	22.0	1.0	1.6	.94120	574.8	.00275	.000536	.00260	.000506	
347	22.0	.5	1.1	.94904	578.8	.00223	.000434	.00203	.000395	
348	22.0	.0	.6	.96528	582.8	.00189	.000368	.00233	.000454	
349	26.0	1.5	1.1	.95520	579.1	.00234	.000456	.00232	.000452	
350	26.0	1.0	1.6	.94288	573.1	.00289	.000563	.00259	.000505	
351	26.0	.5	1.1	.95128	578.5	.00231	.000450	.00231	.000450	
352	26.0	.0	.6	.96752	583.8	.00180	.000351	.00222	.000432	
353	30.0	1.5	1.1	.95408	580.1	.00234	.000456	.00231	.000450	
354	30.0	1.0	1.6	.94512	576.1	.00275	.000536	.00249	.000485	
355	30.0	.5	1.1	.95296	578.8	.00222	.000432	.00211	.000411	
356	30.0	.0	.6	.96640	582.8	.00187	.000364	.00215	.000419	
357	4.0	-6.0	.6	.93840	573.8	.00392	.000764			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

7. Corrugated Panel with 30° Wedge Leading Edge; α = 0° - Continued

(e) M = 3.51; R = 2.80 × 10^6; T_t = 708° R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95974	574.1	.00224	.000623			1.00
2	2.0	.0		.95634	571.8	.00230	.000639			.99
3	2.0	12.0		.95520	570.5	.00229	.000636			1.01
4	8.0	.0		.96881	584.5	.00343	.000953			1.47
5	9.0	.0		.97788	589.5	.00335	.000931	.00333	.000925	1.44
6	10.0	.0		.98639	595.8	.00347	.000964	.00378	.001050	1.52
43	50.0	-5.0		1.01757	598.1	.00031	.000086			.15
44	50.0	.0		1.01644	597.5	.00030	.000083			.14
46	58.0	.0		.94386	562.5	.00196	.000545			.86
47	58.0	6.0		.94443	565.1	.00243	.000675			1.06
48	58.0	12.0		.95010	568.8	.00249	.000692			1.12
301	1.0	1.5	1.1	.96257	568.5	.00098	.000272	.00082	.000228	
302	1.0	1.0	1.6	.93819	562.1	.00238	.000661	.00191	.000531	
303	1.0	.5	1.1	.96314	568.8	.00098	.000272	.00084	.000233	
304	1.0	.0	.6	.98299	579.5	.00075	.000208			
305	2.0	1.5	1.1	.94103	563.5	.00216	.000600	.00188	.000522	
306	2.0	1.0	1.6	.92119	556.5	.00240	.000667			
307	2.0	.5	1.1	.93990	562.5	.00203	.000564	.00159	.000442	
308	2.0	.0	.6	.96711	577.1	.00192	.000534			
309	3.0	1.5	1.1	.93253	561.5	.00261	.000725	.00231	.000642	
310	3.0	1.0	1.6	.92175	552.5	.00221	.000614			
311	3.0	.5	1.1	.93479	562.8	.00236	.000656	.00231	.000642	
312	3.0	.0	.6	.95464	574.1	.00270	.000750			
313	4.0	1.5	1.1	.93082	562.1	.00290	.000806	.00283	.000786	
314	4.0	1.0	1.6	.92119	551.5	.00241	.000670	.00191	.000531	
315	4.0	.5	1.1	.92799	560.1	.00278	.000773	.00249	.000692	
316	4.0	.0	.6	.95124	570.8	.00237	.000659			
317	5.0	1.5	1.1	.93139	559.1	.00262	.000728			
318	5.0	1.0	1.6	.92119	552.8	.00282	.000784	.00246	.000684	
319	5.0	.5	1.1	.92912	557.1	.00241	.000670			
321	6.0	1.5	1.1	.93649	560.1	.00236	.000656	.00238	.000661	
322	6.0	1.0	1.6	.92742	555.1	.00259	.000720	.00227	.000631	
323	6.0	.5	1.1	.93536	560.1	.00238	.000661	.00242	.000673	
324	6.0	.0	.6	.94500	564.1	.00203	.000564			
325	8.0	1.5	1.1	.94330	565.1	.00216	.000600	.00214	.000595	
326	8.0	1.0	1.6	.93593	560.5	.00217	.000603	.00180	.000500	
327	8.0	.5	1.1	.94670	564.5	.00195	.000542	.00202	.000561	
328	8.0	.0	.6	.95464	567.8	.00157	.000436	.00182	.000506	
329	10.0	1.5	1.1	.95634	574.8	.00184	.000511	.00200	.000556	
330	10.0	1.0	1.6	.94216	564.1	.00216	.000600	.00176	.000489	
331	10.0	.5	1.1	.95010	568.8	.00166	.000461	.00153	.000425	
332	10.0	.0	.6	.96371	572.5	.00154	.000428	.00184	.000511	
333	12.0	1.5	1.1	.95747	573.1	.00200	.000556	.00203	.000564	
334	12.0	1.0	1.6	.94670	566.8	.00214	.000595	.00214	.000595	
336	12.0	.0	.6	.97051	576.8	.00153	.000425	.00155	.000431	
337	14.0	1.5	1.1	.95917	571.5	.00192	.000534	.00186	.000517	
338	14.0	1.0	1.6	.94953	568.8	.00214	.000595	.00180	.000500	
339	14.0	.5	1.1	.95974	572.1	.00193	.000536	.00191	.000531	
340	14.0	.0	.6	.97278	577.5	.00152	.000422	.00180	.000500	
341	16.0	1.5	1.1	.96541	578.8	.00182	.000506	.00190	.000528	
342	16.0	1.0	1.6	.95747	573.1	.00212	.000589	.00179	.000497	
343	16.0	.5	1.1	.96768	578.1	.00185	.000514	.00199	.000553	
344	16.0	.0	.6	.97335	578.1	.00152	.000422	.00165	.000459	
345	22.0	1.5	1.1	.96881	580.5	.00181	.000503	.00181	.000503	
346	22.0	1.0	1.6	.95974	577.8	.00189	.000525	.00165	.000459	
347	22.0	.5	1.1	.96598	578.1	.00149	.000414	.00147	.000409	
348	22.0	.0	.6	.98015	585.1	.00151	.000420	.00166	.000461	
349	26.0	1.5	1.1	.97221	580.5	.00172	.000478	.00177	.000492	
350	26.0	1.0	1.6	.96144	573.8	.00211	.000586	.00186	.000517	
351	26.0	.5	1.1	.96824	577.8	.00173	.000481	.00159	.000442	
352	26.0	.0	.6	.98242	582.8	.00124	.000345			
353	30.0	1.5	1.1	.96995	577.5	.00163	.000453	.00157	.000436	
354	30.0	1.0	1.6	.96314	574.5	.00210	.000584	.00192	.000534	
355	30.0	.5	1.1	.96995	578.5	.00172	.000478	.00164	.000456	
356	30.0	.0	.6	.98072	583.1	.00134	.000372	.00167	.000464	
357	4.0	-6.0	.6	.95124	571.8	.00294	.000817			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

7. Corrugated Panel with 30° Wedge Leading Edge; α = 0° - Continued

(f) M = 3.51; R = 1.62 × 10^6; T_t = 701° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.97152	575.1	.00152	.000737			1.03
2	2.0	.0		.96753	572.8	.00140	.000679			.93
3	2.0	12.0		.96639	571.5	.00137	.000664			.93
4	8.0	.0		.97607	581.8	.00219	.001062			1.34
5	9.0	.0		.98405	585.8	.00222	.001077	.00219	.001062	1.47
6	10.0	.0		.99202	591.5	.00222	.001077	.00229	.001111	1.40
42	50.0	-8.0		1.02163	598.1	.00020	.000097			.14
44	50.0	.0		1.02447	599.5	.00019	.000092			.14
45	50.0	6.0		1.01764	595.5	.00021	.000102			.13
46	58.0	.0		.95728	565.1	.00122	.000592			.88
47	58.0	6.0		.95500	565.8	.00155	.000752			1.05
48	58.0	12.0		.95956	569.1	.00166	.000805			1.19
301	1.0	1.5	1.1	.98234	576.5	.00061	.000296	.00052	.000252	
302	1.0	1.0	1.6	.96411	571.5	.00138	.000669	.00106	.000514	
303	1.0	.5	1.1	.98234	576.5	.00062	.000301	.00053	.000257	
304	1.0	.0	.6	.99658	583.8	.00047	.000228			
305	2.0	1.5	1.1	.96013	568.8	.00125	.000606	.00103	.000500	
306	2.0	1.0	1.6	.94418	559.5	.00053	.000257			
307	2.0	.5	1.1	.95956	568.1	.00126	.000611			
308	2.0	.0	.6	.97949	579.1	.00134	.000650	.00207	.001004	
309	3.0	1.5	1.1	.94760	562.5	.00158	.000766	.00134	.000650	
310	3.0	1.0	1.6	.93848	556.5	.00125	.000606			
311	3.0	.5	1.1	.95101	566.8	.00144	.000698	.00152	.000737	
312	3.0	.0	.6	.96525	574.1	.00161	.000781			
313	4.0	1.5	1.1	.94532	564.8	.00164	.000795	.00162	.000786	
314	4.0	1.0	1.6	.93620	554.1	.00138	.000669			
315	4.0	.5	1.1	.94190	559.8	.00178	.000863	.00154	.000747	
316	4.0	.0	.6	.96183	570.8	.00164	.000795			
317	5.0	1.5	1.1	.94532	561.1	.00153	.000742			
319	5.0	.5	1.1	.94190	558.8	.00176	.000854			
321	6.0	1.5	1.1	.95044	562.8	.00133	.000645	.00139	.000674	
322	6.0	1.0	1.6	.94190	558.1	.00158	.000766	.00133	.000645	
323	6.0	.5	1.1	.94873	562.1	.00133	.000645	.00136	.000660	
324	6.0	.0	.6	.95671	565.5	.00113	.000548			
325	8.0	1.5	1.1	.95728	567.1	.00127	.000616	.00125	.000606	
326	8.0	1.0	1.6	.95158	562.1	.00127	.000616			
327	8.0	.5	1.1	.96070	567.1	.00119	.000577	.00128	.000621	
328	8.0	.0	.6	.96639	569.8	.00089	.000432	.00113	.000548	
329	10.0	1.5	1.1	.97038	573.5	.00111	.000538	.00141	.000684	
330	10.0	1.0	1.6	.95728	565.8	.00127	.000616			
331	10.0	.5	1.1	.96354	568.5	.00098	.000475	.00085	.000412	
332	10.0	.0	.6	.97550	574.5	.00084	.000407	.00109	.000529	
333	12.0	1.5	1.1	.97209	575.5	.00124	.000601	.00127	.000616	
334	12.0	1.0	1.6	.96297	570.1	.00126	.000611	.00127	.000616	
336	12.0	.0	.6	.98291	578.8	.00086	.000417	.00088	.000427	
337	14.0	1.5	1.1	.97380	574.8	.00117	.000567	.00113	.000548	
338	14.0	1.0	1.6	.96639	572.1	.00125	.000606	.00098	.000475	
339	14.0	.5	1.1	.97380	575.1	.00117	.000567	.00116	.000563	
340	14.0	.0	.6	.98462	579.5	.00083	.000403	.00114	.000553	
341	18.0	1.5	1.1	.98006	578.5	.00116	.000563	.00121	.000587	
342	18.0	1.0	1.6	.97380	575.1	.00117	.000567	.00095	.000461	
343	18.0	.5	1.1	.98177	579.1	.00116	.000563	.00126	.000611	
344	18.0	.0	.6	.98519	579.8	.00080	.000388	.00088	.000427	
345	22.0	1.5	1.1	.98234	580.1	.00101	.000490	.00115	.000558	
346	22.0	1.0	1.6	.97550	576.5	.00124	.000601	.00104	.000504	
347	22.0	.5	1.1	.98006	577.8	.00096	.000466	.00081	.000393	
348	22.0	.0	.6	.99145	583.5	.00073	.000354			
349	26.0	1.5	1.1	.98576	581.8	.00116	.000563	.00122	.000592	
350	26.0	1.0	1.6	.97721	578.5	.00124	.000601	.00104	.000504	
351	26.0	.5	1.1	.98177	578.8	.00094	.000456	.00080	.000388	
352	26.0	.0	.6	.99316	584.5	.00071	.000344			
353	30.0	1.5	1.1	.98291	580.1	.00116	.000563	.00112	.000543	
354	30.0	1.0	1.6	.97835	577.8	.00117	.000567	.00105	.000509	
355	30.0	.5	1.1	.98291	579.5	.00095	.000461	.00087	.000422	
356	30.0	.0	.6	.99202	583.5	.00077	.000373	.00101	.000490	
357	4.0	-6.0	.6	.96297	572.5	.00174	.000844			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

7. Corrugated Panel with 30° Wedge Leading Edge; $\alpha = 0^{\circ}$ - Continued

(g) M = 4.44; R = 4.52×10^6; T_t = 683° R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_c}$
1	2.0	-12.0		.94369	570.8	.00194	.000492			.99
2	2.0	.0		.94202	569.5	.00197	.000499			.95
3	2.0	12.0		.94034	571.1	.00185	.000469			1.01
4	8.0	.0		.95874	584.1	.00297	.000753			1.45
5	9.0	.0		.97045	591.1	.00314	.000796	.00320	.000811	1.47
6	10.0	.0		.97825	596.1	.00311	.000788	.00345	.000874	1.41
44	50.0	.0		1.00724	600.8	.00023	.000058			.12
46	58.0	.0		.94090	566.8	.00154	.000390			.87
47	58.0	6.0		.94257	569.1	.00161	.000408			.90
48	58.0	12.0		.93644	568.8	.00183	.000464			1.02
301	1.0	1.5	1.1	.94480	564.8	.00095	.000241	.00082	.000208	
302	1.0	1.5	1.6	.91972	555.8	.00198	.000502			
303	1.0	.5	1.1	.94480	565.1	.00095	.000241	.00086	.000218	
304	1.0	.0	.6	.96543	576.1	.00060	.000152			
305	2.0	1.5	1.1	.92195	557.1	.00181	.000459			
307	2.0	.5	1.1	.92083	556.1	.00180	.000456			
308	2.0	.0	.6	.94703	571.1	.00154	.000390			
309	3.0	1.5	1.1	.91135	554.5	.00212	.000537			
310	3.0	1.0	1.6	.90299	546.5	.00187	.000474			
311	3.0	.5	1.1	.91414	555.8	.00210	.000532	.00188	.000476	
312	3.0	.0	.6	.93142	565.5	.00258	.000654	.00377	.000955	
313	4.0	1.5	1.1	.91080	556.5	.00220	.000557	.00195	.000494	
314	4.0	1.0	1.6	.90522	547.5	.00203	.000514	.00185	.000469	
315	4.0	.5	1.1	.90857	551.1	.00263	.000666	.00213	.000540	
316	4.0	.0	.6	.92864	562.8	.00256	.000649			
317	5.0	1.5	1.1	.91247	552.8	.00221	.000560			
318	5.0	1.0	1.6	.90689	548.8	.00230	.000583	.00200	.000507	
319	5.0	.5	1.1	.90968	550.8	.00204	.000517			
321	6.0	1.5	1.1	.91804	557.1	.00193	.000489	.00197	.000499	
322	6.0	1.0	1.6	.91135	552.1	.00206	.000522	.00165	.000418	
323	6.0	.5	1.1	.91637	554.1	.00199	.000504	.00195	.000494	
324	6.0	.0	.6	.92529	560.1	.00164	.000416			
325	8.0	1.5	1.1	.92696	561.1	.00164	.000416	.00153	.000388	
326	8.0	1.0	1.6	.92139	556.8	.00181	.000459	.00136	.000345	
327	8.0	.5	1.1	.93031	560.5	.00152	.000385	.00163	.000413	
328	8.0	.0	.6	.93700	563.5	.00129	.000327	.00169	.000428	
329	10.0	1.5	1.1	.94257	567.8	.00152	.000385	.00185	.000469	
330	10.0	1.0	1.6	.92919	561.5	.00179	.000454	.00123	.000312	
331	10.0	.5	1.1	.93644	565.8	.00135	.000342	.00116	.000294	
332	10.0	.0	.6	.94871	569.8	.00114	.000289	.00172	.000436	
333	12.0	1.5	1.1	.94480	569.8	.00189	.000479	.00194	.000492	
334	12.0	1.0	1.6	.93533	563.8	.00162	.000410	.00162	.000410	
336	12.0	.0	.6	.95651	576.1	.00113	.000286	.00116	.000294	
337	14.0	1.5	1.1	.94759	571.8	.00128	.000324	.00115	.000291	
338	14.0	1.0	1.6	.93979	566.5	.00158	.000400	.00124	.000314	
339	14.0	.5	1.1	.94759	572.1	.00142	.000360	.00134	.000340	
340	14.0	.0	.6	.95930	575.8	.00100	.000253			
341	18.0	1.5	1.1	.95372	574.5	.00142	.000360	.00158	.000400	
342	18.0	1.0	1.6	.94759	572.8	.00159	.000403	.00115	.000291	
343	18.0	.5	1.1	.95540	575.1	.00133	.000337	.00162	.000410	
344	18.0	.0	.6	.95930	575.8	.00108	.000274	.00119	.000302	
345	22.0	1.5	1.1	.95763	576.5	.00138	.000350	.00129	.000327	
346	22.0	1.0	1.6	.94982	573.8	.00175	.000443	.00146	.000370	
347	22.0	.5	1.1	.95484	576.1	.00133	.000337	.00114	.000289	
348	22.0	.0	.6	.96766	580.8	.00111	.000281	.00177	.000448	
349	26.0	1.5	1.1	.96209	581.1	.00132	.000334	.00138	.000350	
350	26.0	1.0	1.6	.95317	574.1	.00154	.000390	.00127	.000322	
351	26.0	.5	1.1	.95763	575.8	.00126	.000319	.00108	.000274	
352	26.0	.0	.6	.97045	582.5	.00098	.000248			
353	30.0	1.5	1.1	.96041	579.5	.00126	.000319	.00118	.000299	
354	30.0	1.0	1.6	.95540	575.1	.00152	.000385	.00134	.000340	
355	30.0	.5	1.1	.96041	577.1	.00125	.000317	.00117	.000296	
356	30.0	.0	.6	.96989	581.8	.00098	.000248			
357	4.0	-6.0	.6	.92864	565.5	.00189	.000479			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

7. Corrugated Panel with 30° Wedge Leading Edge; $\alpha = 0^{\circ}$ - Continued

(h) $M = 4.44$; $R = 3.22 \times 10^6$; $T_t = 682^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94756	573.8	.00130	.000462			.88
2	2.0	.0		.94645	570.8	.00159	.000565			1.07
3	2.0	12.0		.94421	572.8	.00132	.000469			.97
4	8.0	.0		.96151	583.8	.00241	.000857			1.46
5	9.0	.0		.97099	589.1	.00237	.000842	.00238	.000846	1.47
6	10.0	.0		.97824	594.5	.00250	.000889	.00269	.000956	1.52
42	50.0	-8.0		1.00167	598.5	.00022	.000078			.17
43	50.0	-5.0		1.00334	599.5	.00020	.000071			.15
46	58.0	.0		.94310	566.8	.00117	.000416			.91
47	58.0	6.0		.94477	570.5	.00123	.000437			.92
48	58.0	12.0		.93864	569.5	.00157	.000558			1.34
301	1.0	1.5	1.1	.95426	570.5	.00062	.000220	.00054	.000192	
302	1.0	1.0	1.6	.93417	564.5	.00152	.000540			
303	1.0	.5	1.1	.95426	571.1	.00067	.000238	.00063	.000224	
304	1.0	.0	.6	.96932	578.8	.00050	.000178			
305	2.0	1.5	1.1	.93306	561.8	.00142	.000505	.00111	.000395	
306	2.0	1.0	1.6	.91744	556.8	.00151	.000537			
307	2.0	.5	1.1	.93194	562.5	.00137	.000487			
308	2.0	.0	.6	.95202	573.8	.00141	.000501			
309	3.0	1.5	1.1	.92023	556.1	.00157	.000558			
310	3.0	1.0	1.6	.91354	550.5	.00146	.000519			
311	3.0	.5	1.1	.92358	558.5	.00155	.000551	.00137	.000487	
312	3.0	.0	.6	.93641	567.5	.00216	.000768			
313	4.0	1.5	1.1	.91911	556.8	.00214	.000761	.00201	.000714	
314	4.0	1.0	1.6	.91409	551.5	.00150	.000533	.00128	.000455	
315	4.0	.5	1.1	.91688	555.1	.00213	.000757	.00174	.000619	
316	4.0	.0	.6	.93362	564.5	.00169	.000601			
317	5.0	1.5	1.1	.92023	556.8	.00211	.000750			
318	5.0	1.0	1.6	.91521	552.5	.00209	.000743	.00174	.000619	
319	5.0	.5	1.1	.91744	554.5	.00157	.000558			
321	6.0	1.5	1.1	.92581	558.5	.00146	.000519	.00152	.000540	
322	6.0	1.0	1.6	.91967	555.8	.00155	.000551	.00119	.000423	
323	6.0	.5	1.1	.92469	558.5	.00153	.000544	.00151	.000537	
324	6.0	.0	.6	.93139	561.1	.00124	.000441			
325	8.0	1.5	1.1	.93362	562.8	.00131	.000466	.00119	.000423	
326	8.0	1.0	1.6	.93027	559.8	.00142	.000505			
327	8.0	.5	1.1	.93808	564.8	.00106	.000377	.00145	.000515	
328	8.0	.0	.6	.94254	565.8	.00093	.000331			
329	10.0	1.5	1.1	.94923	570.8	.00107	.000380	.00138	.000491	
330	10.0	1.0	1.6	.93864	564.5	.00122	.000434			
331	10.0	.5	1.1	.94366	567.5	.00105	.000373	.00090	.000320	
332	10.0	.0	.6	.95370	573.1	.00076	.000270			
333	12.0	1.5	1.1	.95258	574.8	.00105	.000373	.00111	.000395	
334	12.0	1.0	1.6	.94477	569.8	.00121	.000430	.00122	.000434	
336	12.0	.0	.6	.96151	576.8	.00076	.000270	.00078	.000277	
337	14.0	1.5	1.1	.95481	574.1	.00107	.000380	.00096	.000341	
338	14.0	1.0	1.6	.94923	571.8	.00121	.000430	.00097	.000345	
339	14.0	.5	1.1	.95537	575.8	.00103	.000366	.00090	.000320	
340	14.0	.0	.6	.96374	577.8	.00077	.000274			
341	18.0	1.5	1.1	.96151	577.8	.00103	.000366	.00109	.000387	
342	18.0	1.0	1.6	.95704	575.5	.00137	.000487	.00110	.000391	
343	18.0	.5	1.1	.96374	578.8	.00104	.000370	.00120	.000427	
344	18.0	.0	.6	.96597	580.1	.00077	.000274	.00087	.000309	
345	22.0	1.5	1.1	.96430	581.8	.00103	.000366	.00092	.000327	
346	22.0	1.0	1.6	.95872	576.8	.00138	.000491	.00120	.000427	
347	22.0	.5	1.1	.96206	578.1	.00106	.000377	.00085	.000302	
348	22.0	.0	.6	.97155	585.1	.00074	.000263			
349	26.0	1.5	1.1	.96820	583.1	.00092	.000327	.00098	.000348	
350	26.0	1.0	1.6	.96151	579.5	.00119	.000423	.00096	.000341	
351	26.0	.5	1.1	.96430	578.8	.00087	.000309	.00079	.000281	
352	26.0	.0	.6	.97434	585.1	.00076	.000270			
353	30.0	1.5	1.1	.96597	581.8	.00092	.000327	.00083	.000295	
354	30.0	1.0	1.6	.96262	580.1	.00118	.000419	.00103	.000366	
355	30.0	.5	1.1	.96597	580.5	.00088	.000313	.00078	.000277	
356	30.0	.0	.6	.97322	584.5	.00076	.000270			
357	4.0	-6.0	.6	.93362	568.5	.00145	.000515			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

7. Corrugated Panel with 30° Wedge Leading Edge; α = 0° - Concluded

(i) M = 4.44; R = 2.15 × 10^6; T_t = 677° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95907	574.8	.00087	.000467			.83
2	2.0	-.0		.95851	573.8	.00100	.000537			.85
3	2.0	12.0		.95515	573.1	.00088	.000472			.76
4	8.0	-.0		.97084	584.8	.00161	.000864			1.59
5	9.0	-.0		.97813	588.8	.00153	.000821	.00151	.000811	1.44
6	10.0	-.0		.98598	593.5	.00136	.000730	.00167	.000897	1.35
46	58.0	-.0		.95402	569.1	.00061	.000328			.69
47	58.0	6.0		.95402	571.5	.00076	.000408			.85
48	58.0	12.0		.95066	571.8	.00090	.000483			1.06
301	1.0	1.5	1.1	.97084	577.5	.00045	.000242			
302	1.0	1.0	1.6	.95459	571.8	.00080	.000430			
303	1.0	.5	1.1	.97140	577.8	.00037	.000199	.00037	.000199	
305	2.0	1.5	1.1	.95122	569.1	.00070	.000376	.00060	.000322	
307	2.0	.5	1.1	.95122	571.1	.00070	.000376			
308	2.0	-.0	.6	.96692	579.1	.00072	.000387			
309	3.0	1.5	1.1	.93777	562.1	.00093	.000499			
310	3.0	1.0	1.6	.93216	557.5	.00089	.000478			
311	3.0	.5	1.1	.94057	564.8	.00093	.000499	.00080	.000430	
312	3.0	-.0	.6	.95010	571.1	.00105	.000564			
313	4.0	1.5	1.1	.93552	563.1	.00095	.000510	.00086	.000462	
314	4.0	1.0	1.6	.93160	557.5	.00089	.000478			
315	4.0	.5	1.1	.93328	560.5	.00106	.000569	.00073	.000392	
316	4.0	-.0	.6	.94674	568.1	.00104	.000558			
317	5.0	1.5	1.1	.93608	562.5	.00094	.000505			
319	5.0	.5	1.1	.93328	559.5	.00096	.000515			
321	6.0	1.5	1.1	.94057	563.5	.00073	.000392	.00079	.000424	
322	6.0	1.0	1.6	.93608	560.5	.00095	.000510	.00078	.000419	
323	6.0	.5	1.1	.93945	563.1	.00089	.000478	.00086	.000462	
324	6.0	-.0	.6	.94505	565.1	.00070	.000376			
325	8.0	1.5	1.1	.94786	566.5	.00070	.000376	.00062	.000333	
326	8.0	1.0	1.6	.94562	564.8	.00077	.000413			
327	8.0	.5	1.1	.95290	569.1	.00068	.000365	.00086	.000462	
328	8.0	-.0	.6	.95571	569.8	.00050	.000268			
329	10.0	1.5	1.1	.96299	574.8	.00058	.000311			
330	10.0	1.0	1.6	.95402	569.5	.00061	.000328			
331	10.0	.5	1.1	.95795	571.5	.00050	.000268			
332	10.0	-.0	.6	.96692	576.1	.00047	.000252			
333	12.0	1.5	1.1	.96692	577.5	.00077	.000413	.00081	.000435	
334	12.0	1.0	1.6	.96075	574.1	.00068	.000365	.00069	.000370	
336	12.0	-.0	.6	.97421	580.5	.00048	.000258	.00050	.000268	
337	14.0	1.5	1.1	.96972	578.5	.00050	.000268			
338	14.0	1.0	1.6	.96580	576.5	.00058	.000311			
339	14.0	.5	1.1	.97084	579.1	.00050	.000268	.00049	.000263	
341	16.0	1.5	1.1	.97589	582.5	.00058	.000311	.00059	.000317	
342	18.0	1.0	1.6	.97365	581.5	.00063	.000338			
343	18.0	.5	1.1	.97925	584.1	.00049	.000263			
344	18.0	-.0	.6	.97981	583.8	.00043	.000231	.00047	.000252	
345	22.0	1.5	1.1	.97869	584.1	.00050	.000268	.00047	.000252	
346	22.0	1.0	1.6	.97533	582.1	.00059	.000317	.00049	.000263	
347	22.0	.5	1.1	.97701	582.5	.00049	.000263			
348	22.0	-.0	.6	.98430	586.5	.00045	.000242			
349	26.0	1.5	1.1	.98206	585.8	.00052	.000279	.00056	.000301	
350	26.0	1.0	1.6	.97701	583.5	.00063	.000338	.00051	.000274	
351	26.0	.5	1.1	.97869	583.5	.00052	.000279			
353	30.0	1.5	1.1	.97981	584.5	.00049	.000263			
354	30.0	1.0	1.6	.97813	583.8	.00067	.000360	.00067	.000360	
355	30.0	.5	1.1	.98037	584.8	.00075	.000403	.00060	.000322	
356	30.0	-.0	.6	.98542	586.8	.00045	.000242			
357	4.0	-6.0	.6	.94730	568.8	.00106	.000569			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

8. Corrugated Panel with 30° Wedge Leading Edge; $\alpha = 10^{\circ}$

(a) M = 2.65; R = 3.93×10^6; T_t = 710° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94107	581.8	.00557	.000787			1.01
2	2.0	.0		.93940	581.8	.00570	.000805			.98
3	2.0	12.0		.93884	581.8	.00564	.000797			.97
4	8.0	.0		.95441	597.5	.00777	.001097			1.36
5	9.0	.0		.96108	601.8	.00779	.001100	.00769	.001086	1.35
6	10.0	.0		.96275	616.1	.00945	.001335			1.63
24	14.0	-12.0		.94384	583.8	.00566	.000799			1.03
42	50.0	-8.0		.96553	585.1	.00216	.000305			.39
43	50.0	-5.0		.96497	585.5	.00217	.000306			.39
44	50.0	.0		.97665	585.8	.00047	.000066			.09
46	58.0	.0		.92439	570.8	.00510	.000720			.91
47	58.0	6.0		.91716	568.5	.00599	.000846			1.02
48	58.0	12.0		.93551	586.5	.00791	.001117			1.36
301	1.0	1.5	1.1	.92327	560.1	.00213	.000301	.00198	.000280	
302	1.0	1.0	1.6	.89548	556.8	.00452	.000638	.00400	.000565	
303	1.0	.5	1.1	.92105	559.5	.00243	.000343	.00229	.000323	
304	1.0	.0	.6	.94218	570.1	.00183	.000258			
305	2.0	1.5	1.1	.91883	570.8	.00388	.000548	.00364	.000514	
307	2.0	.5	1.1	.91327	569.1	.00531	.000750	.00501	.000708	
308	2.0	.0	.6	.94607	581.8	.00364	.000514			
309	3.0	1.5	1.1	.92105	572.1	.00489	.000691	.00444	.000627	
310	3.0	1.0	1.6	.90548	564.5	.00549	.000775	.00461	.000651	
311	3.0	.5	1.1	.91772	572.8	.00701	.000990	.00700	.000989	
312	3.0	.0	.6	.94384	587.8	.00574	.000811	.00736	.001039	
313	4.0	1.5	1.1	.92327	571.1	.00538	.000760	.00516	.000729	
314	4.0	1.0	1.6	.91049	566.8	.00593	.000838	.00619	.000874	
315	4.0	.5	1.1	.91660	577.8	.00687	.000970	.00681	.000962	
316	4.0	.0	.6	.93884	583.5	.00570	.000805			
317	5.0	1.5	1.1	.92216	570.8	.00523	.000739			
318	5.0	1.0	1.6	.91216	570.8	.00616	.000870	.00579	.000818	
319	5.0	.5	1.1	.91660	571.1	.00623	.000880			
321	6.0	1.5	1.1	.92494	575.8	.00508	.000717	.00509	.000719	
322	6.0	1.0	1.6	.91549	572.5	.00583	.000823	.00549	.000775	
323	6.0	.5	1.1	.91994	577.1	.00623	.000880	.00634	.000895	
324	6.0	.0	.6	.92995	576.1	.00541	.000764			
325	8.0	1.5	1.1	.92717	574.8	.00564	.000797	.00570	.000805	
326	8.0	1.0	1.6	.91827	570.1	.00596	.000842	.00566	.000799	
327	8.0	.5	1.1	.92383	572.8	.00566	.000799	.00558	.000788	
328	8.0	.0	.6	.93606	580.5	.00451	.000637	.00482	.000681	
329	10.0	1.5	1.1	.93662	586.8	.00536	.000757	.00531	.000750	
330	10.0	1.0	1.6	.91938	577.1	.00672	.000949	.00611	.000863	
331	10.0	.5	1.1	.92272	575.5	.00543	.000767			
332	10.0	.0	.6	.94107	582.8	.00459	.000648	.00468	.000661	
333	12.0	1.5	1.1	.93606	586.8	.00538	.000760	.00526	.000743	
334	12.0	1.0	1.6	.92161	574.8	.00625	.000883			
336	12.0	.0	.6	.94273	579.5	.00414	.000585			
337	14.0	1.5	1.1	.93495	577.1	.00486	.000686	.00486	.000686	
338	14.0	1.0	1.6	.92383	580.1	.00671	.000948	.00644	.000910	
339	14.0	.5	1.1	.92439	573.1	.00566	.000799			
340	14.0	.0	.6	.94273	580.8	.00388	.000548	.00394	.000556	
341	18.0	1.5	1.1	.93773	577.8	.00461	.000651	.00470	.000664	
342	18.0	1.0	1.6	.92995	577.8	.00592	.000836	.00597	.000843	
343	18.0	.5	1.1	.93217	575.8	.00511	.000722	.00504	.000712	
344	18.0	.0	.6	.93995	575.5	.00349	.000493	.00342	.000483	
345	22.0	1.5	1.1	.93940	577.8	.00435	.000614	.00418	.000590	
346	22.0	1.0	1.6	.92883	579.5	.00650	.000918	.00672	.000949	
347	22.0	.5	1.1	.92939	574.5	.00514	.000726	.00469	.000662	
348	22.0	.0	.6	.94885	581.1	.00346	.000489	.00377	.000532	
349	26.0	1.5	1.1	.94107	578.5	.00412	.000582	.00438	.000619	
350	26.0	1.0	1.6	.92494	574.5	.00594	.000839	.00583	.000823	
351	26.0	.5	1.1	.92939	572.5	.00444	.000627	.00405	.000572	
352	26.0	.0	.6	.95052	580.8	.00322	.000455	.00365	.000516	
353	30.0	1.5	1.1	.93829	577.1	.00368	.000520	.00400	.000565	
354	30.0	1.0	1.6	.92105	571.8	.00594	.000839	.00570	.000805	
355	30.0	.5	1.1	.92605	575.5	.00475	.000671	.00441	.000623	
356	30.0	.0	.6	.94885	580.5	.00344	.000486	.00389	.000549	
357	4.0	-6.0	.6	.93606	585.8	.00575	.000812			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

8. Corrugated Panel with 30° Wedge Leading Edge; α = 10° - Continued

(b) $M = 2.65$; $R = 2.54 \times 10^6$; T_t = 711° R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95083	580.8	.00372	.000811			.96
2	2.0	.0		.94803	580.5	.00382	.000833			.98
3	2.0	12.0		.94803	580.5	.00381	.000831			.99
4	8.0	.0		.96032	593.5	.00521	.001136			1.33
5	9.0	.0		.96591	597.1	.00530	.001156	.00518	.001130	1.35
6	10.0	.0		.96815	606.5	.00688	.001501			1.76
24	14.0	-12.0		.95083	580.8	.00366	.000798			.99
42	50.0	-8.0		.97765	587.8	.00147	.000321			.39
43	50.0	-5.0		.98156	590.5	.00150	.000327			.40
44	50.0	.0		.99608	593.5	.00032	.000070			.09
46	58.0	.0		.93630	571.8	.00340	.000742			.89
47	58.0	6.0		.92568	567.8	.00417	.000910			1.02
48	58.0	12.0		.94245	583.5	.00537	.001171			1.37
301	1.0	1.5	1.1	.94636	568.1	.00154	.000336	.00148	.000323	
302	1.0	1.0	1.6	.91786	560.8	.00308	.000672	.00257	.000561	
303	1.0	.5	1.1	.94300	568.5	.00161	.000351	.00148	.000323	
304	1.0	.0	.6	.96368	577.5	.00117	.000255			
305	2.0	1.5	1.1	.93518	570.8	.00261	.000569	.00249	.000543	
307	2.0	.5	1.1	.92792	570.1	.00336	.000733	.00306	.000667	
308	2.0	.0	.6	.95977	583.8	.00270	.000589	.00375	.000818	
309	3.0	1.5	1.1	.93406	572.8	.00318	.000694	.00286	.000624	
310	3.0	1.0	1.6	.91786	563.8	.00351	.000766	.00270	.000589	
311	3.0	.5	1.1	.92959	578.5	.00430	.000938	.00406	.000886	
312	3.0	.0	.6	.95530	587.1	.00401	.000875	.00513	.001119	
313	4.0	1.5	1.1	.93686	577.8	.00330	.000720	.00311	.000678	
314	4.0	1.0	1.6	.92177	569.5	.00391	.000853	.00357	.000779	
315	4.0	.5	1.1	.92959	573.5	.00459	.001001	.00447	.000975	
316	4.0	.0	.6	.95306	585.1	.00352	.000768			
317	5.0	1.5	1.1	.93518	572.1	.00331	.000722			
318	5.0	1.0	1.6	.92289	567.1	.00467	.001019	.00429	.000936	
319	5.0	.5	1.1	.92959	571.5	.00411	.000896			
321	6.0	1.5	1.1	.93853	580.5	.00316	.000689	.00305	.000665	
322	6.0	1.0	1.6	.92736	568.8	.00407	.000888	.00374	.000816	
323	6.0	.5	1.1	.93351	576.8	.00396	.000864	.00403	.000879	
324	6.0	.0	.6	.94468	578.1	.00330	.000720			
325	8.0	1.5	1.1	.94077	578.1	.00332	.000724	.00337	.000735	
326	8.0	1.0	1.6	.93071	573.1	.00377	.000822	.00342	.000746	
327	8.0	.5	1.1	.93686	573.8	.00380	.000829	.00373	.000814	
328	8.0	.0	.6	.94971	583.5	.00297	.000648	.00318	.000694	
329	10.0	1.5	1.1	.95027	581.1	.00354	.000772	.00360	.000785	
330	10.0	1.0	1.6	.93183	575.8	.00390	.000851	.00361	.000787	
331	10.0	.5	1.1	.93630	573.5	.00380	.000829			
332	10.0	.0	.6	.95530	581.5	.00272	.000593	.00295	.000643	
333	12.0	1.5	1.1	.94971	581.1	.00315	.000687	.00337	.000735	
334	12.0	1.0	1.6	.93462	574.8	.00429	.000936			
336	12.0	.0	.6	.95697	584.1	.00270	.000589			
337	14.0	1.5	1.1	.94971	581.5	.00297	.000648	.00299	.000652	
338	14.0	1.0	1.6	.93686	576.1	.00428	.000934	.00418	.000912	
339	14.0	.5	1.1	.94021	575.5	.00360	.000785			
340	14.0	.0	.6	.95865	581.5	.00226	.000493	.00259	.000565	
341	18.0	1.5	1.1	.95306	580.1	.00271	.000591	.00281	.000613	
342	18.0	1.0	1.6	.94356	578.5	.00380	.000829	.00374	.000816	
343	18.0	.5	1.1	.94803	580.8	.00312	.000681	.00310	.000676	
344	18.0	.0	.6	.95641	578.8	.00203	.000443	.00198	.000432	
345	22.0	1.5	1.1	.95474	582.5	.00255	.000556	.00244	.000532	
346	22.0	1.0	1.6	.94245	582.1	.00392	.000855	.00396	.000864	
347	22.0	.5	1.1	.94524	579.1	.00300	.000654	.00260	.000567	
348	22.0	.0	.6	.96535	584.8	.00212	.000462	.00257	.000561	
349	26.0	1.5	1.1	.95697	581.1	.00268	.000585	.00276	.000602	
350	26.0	1.0	1.6	.94021	578.1	.00359	.000783	.00320	.000698	
351	26.0	.5	1.1	.94636	575.8	.00274	.000598	.00246	.000537	
352	26.0	.0	.6	.96703	584.5	.00192	.000419	.00233	.000508	
353	30.0	1.5	1.1	.95418	580.1	.00271	.000591	.00271	.000591	
354	30.0	1.0	1.6	.93630	578.5	.00344	.000750	.00309	.000674	
355	30.0	.5	1.1	.94189	575.1	.00336	.000733	.00310	.000676	
356	30.0	.0	.6	.96479	584.1	.00227	.000495	.00261	.000569	
357	4.0	-6.0	.6	.95083	586.5	.00373	.000814			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

8. Corrugated Panel with 30° Wedge Leading Edge; α = 10° - Continued

(c) M = 2.65; R = 1.27 × 10^6; T_t = 709° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.96537	584.5	.00193	.000843			.90
2	2.0	.0		.96314	583.5	.00205	.000896			.95
3	2.0	12.0		.96202	583.1	.00206	.000900			.96
4	8.0	.0		.97096	591.8	.00283	.001237			1.27
5	9.0	.0		.97598	594.5	.00279	.001219	.00272	.001189	1.30
6	10.0	.0		.98213	600.8	.00283	.001237			1.24
24	14.0	-12.0		.96035	580.8	.00201	.000878			.97
42	50.0	-8.0		.99050	593.5	.00080	.000350			.38
43	50.0	-5.0		.99944	598.1	.00067	.000293			.32
46	58.0	.0		.95476	577.5	.00196	.000856			.92
47	58.0	6.0		.94248	572.5	.00235	.001027			1.05
48	58.0	12.0		.95420	583.5	.00314	.001372			1.46
301	1.0	1.5	1.1	.97766	584.5	.00076	.000332	.00072	.000315	
302	1.0	1.0	1.6	.95588	579.1	.00147	.000642			
303	1.0	.5	1.1	.97487	583.5	.00085	.000371	.00078	.000341	
304	1.0	.0	.6	.99050	592.1	.00064	.000280			
305	2.0	1.5	1.1	.96091	579.1	.00137	.000599	.00129	.000564	
307	2.0	.5	1.1	.95253	578.1	.00185	.000808	.00152	.000664	
308	2.0	.0	.6	.97877	590.5	.00141	.000616			
309	3.0	1.5	1.1	.95476	578.8	.00169	.000738	.00150	.000655	
310	3.0	1.0	1.6	.94024	568.5	.00204	.000891			
311	3.0	.5	1.1	.94918	577.1	.00216	.000944	.00202	.000883	
312	3.0	.0	.6	.97040	589.8	.00197	.000861			
313	4.0	1.5	1.1	.95755	579.5	.00201	.000878	.00203	.000887	
314	4.0	1.0	1.6	.94248	573.1	.00209	.000913	.00170	.000743	
315	4.0	.5	1.1	.94750	576.8	.00247	.001079	.00224	.000979	
316	4.0	.0	.6	.97040	588.8	.00201	.000878			
317	5.0	1.5	1.1	.95532	579.5	.00175	.000765			
318	5.0	1.0	1.6	.94304	573.1	.00166	.000725	.00145	.000634	
319	5.0	.5	1.1	.94862	575.5	.00206	.000900			
321	6.0	1.5	1.1	.95811	579.1	.00181	.000791	.00190	.000830	
322	6.0	1.0	1.6	.94750	576.8	.00187	.000817	.00152	.000664	
323	6.0	.5	1.1	.95309	582.5	.00199	.000870	.00193	.000843	
324	6.0	.0	.6	.96314	582.5	.00163	.000712			
325	8.0	1.5	1.1	.96035	580.5	.00171	.000747	.00167	.000730	
326	8.0	1.0	1.6	.95141	577.1	.00185	.000808	.00154	.000673	
327	8.0	.5	1.1	.95755	579.5	.00173	.000756	.00171	.000747	
328	8.0	.0	.6	.96816	583.8	.00139	.000607	.00166	.000725	
329	10.0	1.5	1.1	.96984	586.1	.00168	.000734	.00195	.000852	
330	10.0	1.0	1.6	.95309	577.8	.00204	.000891	.00171	.000747	
331	10.0	.5	1.1	.95811	579.5	.00168	.000734			
332	10.0	.0	.6	.97319	586.5	.00130	.000568	.00158	.000690	
333	12.0	1.5	1.1	.97040	586.8	.00169	.000738	.00182	.000795	
334	12.0	1.0	1.6	.95700	580.1	.00203	.000887			
336	12.0	.0	.6	.97766	590.1	.00124	.000542			
337	14.0	1.5	1.1	.97207	586.1	.00159	.000695	.00161	.000704	
338	14.0	1.0	1.6	.95979	581.8	.00203	.000887	.00183	.000800	
339	14.0	.5	1.1	.96481	583.5	.00170	.000743			
340	14.0	.0	.6	.98045	589.5	.00121	.000529	.00149	.000651	
341	18.0	1.5	1.1	.97654	588.1	.00133	.000581	.00144	.000629	
342	18.0	1.0	1.6	.96705	586.5	.00182	.000795	.00165	.000721	
343	18.0	.5	1.1	.97319	586.8	.00159	.000695	.00161	.000704	
344	18.0	.0	.6	.97989	588.1	.00100	.000437	.00104	.000454	
345	22.0	1.5	1.1	.97822	588.8	.00140	.000612	.00139	.000607	
346	22.0	1.0	1.6	.96593	585.1	.00201	.000878	.00187	.000817	
347	22.0	.5	1.1	.96984	585.1	.00139	.000607	.00115	.000503	
348	22.0	.0	.6	.98771	593.1	.00100	.000437	.00143	.000625	
349	26.0	1.5	1.1	.97989	590.8	.00128	.000559	.00141	.000616	
350	26.0	1.0	1.6	.96426	584.1	.00166	.000725	.00137	.000599	
351	26.0	.5	1.1	.96984	584.5	.00136	.000594	.00119	.000520	
352	26.0	.0	.6	.98827	593.1	.00089	.000389			
353	30.0	1.5	1.1	.97598	587.5	.00140	.000612	.00147	.000642	
354	30.0	1.0	1.6	.96146	582.8	.00168	.000734	.00139	.000607	
355	30.0	.5	1.1	.96649	586.1	.00154	.000673	.00132	.000577	
356	30.0	.0	.6	.98548	591.5	.00100	.000437			
357	4.0	-6.0	.6	.96984	588.8	.00202	.000883			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

8. Corrugated Panel with 30° Wedge Leading Edge; α = 10° - Continued

(d) M = 3.51; R = 4.00 × 10^6; T_t = 707° R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95027	572.8	.00284	.000552			.90
2	2.0	.0		.94518	570.5	.00294	.000571			.90
3	2.0	12.0		.94462	569.5	.00292	.000568			.92
4	8.0	.0		.95649	582.8	.00452	.000879			1.38
5	9.0	.0		.96666	589.1	.00441	.000857	.00441	.000857	1.34
6	10.0	.0		.97344	599.5	.00439	.000853			1.38
24	14.0	-12.0		.94575	571.1	.00314	.000610			.99
42	50.0	-8.0		.99547	590.1	.00100	.000194			.31
43	50.0	-5.0		.99943	591.8	.00088	.000171			.29
46	58.0	.0		.94123	566.1	.00259	.000503			.83
47	58.0	6.0		.92032	553.5	.00269	.000523			.85
48	58.0	12.0		.92823	565.1	.00430	.000836			1.34
301	1.0	1.5	1.1	.94971	565.5	.00119	.000231	.00110	.000214	
302	1.0	1.0	1.6	.91411	552.5	.00299	.000581	.00236	.000459	
303	1.0	.5	1.1	.94405	562.1	.00148	.000288	.00126	.000245	
304	1.0	.0	.6	.97174	577.1	.00092	.000179			
305	2.0	1.5	1.1	.93275	561.1	.00223	.000433	.00207	.000402	
306	2.0	1.0	1.6	.90224	546.5	.00247	.000480			
307	2.0	.5	1.1	.91693	556.5	.00306	.000595	.00234	.000455	
308	2.0	.0	.6	.95705	575.8	.00263	.000511	.00372	.000723	
309	3.0	1.5	1.1	.92823	557.8	.00253	.000492	.00222	.000432	
310	3.0	1.0	1.6	.91128	552.5	.00294	.000571	.00237	.000461	
311	3.0	.5	1.1	.91524	557.5	.00418	.000812	.00387	.000752	
312	3.0	.0	.6	.94462	573.8	.00366	.000711	.00449	.000873	
313	4.0	1.5	1.1	.93106	562.8	.00273	.000531	.00250	.000486	
314	4.0	1.0	1.6	.91637	558.5	.00330	.000641	.00316	.000614	
315	4.0	.5	1.1	.91750	563.1	.00397	.000772	.00370	.000719	
316	4.0	.0	.6	.94632	573.5	.00344	.000669			
317	5.0	1.5	1.1	.92993	560.1	.00269	.000523			
318	5.0	1.0	1.6	.91637	560.5	.00295	.000573	.00229	.000445	
319	5.0	.5	1.1	.91919	558.5	.00350	.000680			
321	6.0	1.5	1.1	.93332	564.1	.00261	.000507	.00265	.000515	
322	6.0	1.0	1.6	.92089	559.1	.00316	.000614	.00279	.000542	
323	6.0	.5	1.1	.92541	561.1	.00352	.000684	.00350	.000680	
324	6.0	.0	.6	.93897	566.5	.00288	.000560			
325	8.0	1.5	1.1	.93840	565.1	.00286	.000556	.00291	.000566	
326	8.0	1.0	1.6	.92654	559.8	.00329	.000639	.00301	.000585	
327	8.0	.5	1.1	.93219	565.5	.00289	.000562	.00284	.000552	
328	8.0	.0	.6	.94518	570.1	.00234	.000455	.00262	.000509	
329	10.0	1.5	1.1	.94914	573.8	.00257	.000500	.00291	.000566	
330	10.0	1.0	1.6	.92880	562.5	.00349	.000678	.00316	.000614	
331	10.0	.5	1.1	.93388	563.1	.00289	.000562			
332	10.0	.0	.6	.95253	571.5	.00196	.000381	.00235	.000457	
333	12.0	1.5	1.1	.95084	573.5	.00284	.000552	.00300	.000583	
334	12.0	1.0	1.6	.93275	566.1	.00343	.000667			
336	12.0	.0	.6	.96044	577.8	.00227	.000441			
337	14.0	1.5	1.1	.95253	572.8	.00264	.000513	.00265	.000515	
338	14.0	1.0	1.6	.93671	568.5	.00368	.000715	.00351	.000682	
339	14.0	.5	1.1	.94179	568.8	.00307	.000597			
340	14.0	.0	.6	.96383	576.8	.00207	.000402	.00235	.000457	
341	18.0	1.5	1.1	.95875	576.5	.00262	.000509	.00275	.000535	
342	18.0	1.0	1.6	.94575	572.8	.00342	.000665	.00326	.000634	
343	18.0	.5	1.1	.95310	573.8	.00281	.000546	.00277	.000538	
344	18.0	.0	.6	.96383	575.8	.00175	.000340	.00182	.000354	
345	22.0	1.5	1.1	.96101	580.1	.00206	.000400	.00206	.000400	
346	22.0	1.0	1.6	.94575	574.1	.00297	.000577	.00283	.000550	
347	22.0	.5	1.1	.95140	570.8	.00230	.000447	.00211	.000410	
348	22.0	.0	.6	.97457	580.8	.00150	.000292	.00196	.000381	
349	26.0	1.5	1.1	.96440	577.1	.00207	.000402	.00215	.000418	
350	26.0	1.0	1.6	.94292	569.5	.00306	.000595	.00276	.000536	
351	26.0	.5	1.1	.94971	572.8	.00233	.000453	.00198	.000385	
352	26.0	.0	.6	.97683	582.1	.00148	.000288			
353	30.0	1.5	1.1	.96270	576.5	.00208	.000404	.00212	.000412	
354	30.0	1.0	1.6	.94518	572.8	.00276	.000536	.00265	.000515	
355	30.0	.5	1.1	.95310	574.8	.00232	.000451	.00210	.000408	
356	30.0	.0	.6	.97513	581.5	.00156	.000303	.00198	.000385	
357	4.0	-6.0	.6	.94066	575.1	.00312	.000606			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

8. Corrugated Panel with 30° Wedge Leading Edge; α = 10° - Continued

(e) M = 3.51; R = 2.80 × 10^6; T_t = 707° R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95614	570.1	.00198	.000551			.89
2	2.0	.0		.95158	568.1	.00216	.000601			.93
3	2.0	12.0		.95044	567.5	.00213	.000592			.94
4	8.0	.0		.96070	579.1	.00321	.000893			1.38
5	9.0	.0		.96981	584.5	.00310	.000862	.00310	.000862	1.33
6	10.0	.0		.97778	590.1	.00289	.000804			1.27
24	14.0	-12.0		.94987	567.1	.00218	.000606			.97
42	50.0	-8.0		.99772	587.1	.00073	.000203			.35
43	50.0	-5.0		1.00341	590.1	.00070	.000195			.33
46	58.0	.0		.94703	564.5	.00197	.000548			.86
47	58.0	6.0		.92652	552.5	.00196	.000545			.85
48	58.0	12.0		.93507	563.5	.00308	.000857			1.38
301	1.0	1.5	1.1	.95557	563.1	.00087	.000242	.00082	.000228	
302	1.0	1.0	1.6	.92652	556.8	.00200	.000556	.00152	.000423	
303	1.0	.5	1.1	.94987	562.1	.00118	.000328	.00100	.000278	
304	1.0	.0	.6	.97266	572.8	.00061	.000170			
305	2.0	1.5	1.1	.93848	558.1	.00166	.000462	.00154	.000428	
306	2.0	1.0	1.6	.91171	547.1	.00231	.000642	.00157	.000437	
307	2.0	.5	1.1	.92424	553.5	.00226	.000629	.00168	.000467	
308	2.0	.0	.6	.95842	571.8	.00167	.000464	.00278	.000773	
309	3.0	1.5	1.1	.93222	555.8	.00186	.000517	.00158	.000439	
310	3.0	1.0	1.6	.91684	549.8	.00200	.000556			
311	3.0	.5	1.1	.92140	555.5	.00288	.000801	.00263	.000731	
312	3.0	.0	.6	.94646	569.5	.00261	.000726	.00330	.000918	
313	4.0	1.5	1.1	.93677	559.1	.00203	.000565	.00196	.000545	
314	4.0	1.0	1.6	.92254	555.5	.00234	.000651	.00212	.000590	
315	4.0	.5	1.1	.92424	560.1	.00282	.000784	.00263	.000731	
316	4.0	.0	.6	.94987	570.1	.00220	.000612			
317	5.0	1.5	1.1	.93563	558.5	.00194	.000540			
318	5.0	1.0	1.6	.92254	555.1	.00226	.000629	.00196	.000545	
319	5.0	.5	1.1	.92538	555.5	.00236	.000656	.00304	.000845	
321	6.0	1.5	1.1	.93905	560.1	.00202	.000562	.00208	.000578	
322	6.0	1.0	1.6	.92709	554.8	.00224	.000623	.00194	.000540	
323	6.0	.5	1.1	.93222	559.1	.00244	.000679	.00244	.000679	
324	6.0	.0	.6	.94418	564.1	.00175	.000487			
325	8.0	1.5	1.1	.94361	562.8	.00201	.000559	.00206	.000573	
326	8.0	1.0	1.6	.93336	559.8	.00208	.000578	.00179	.000498	
327	8.0	.5	1.1	.93905	561.5	.00190	.000528	.00189	.000526	
328	8.0	.0	.6	.95044	565.5	.00164	.000456	.00186	.000517	
329	10.0	1.5	1.1	.95500	569.5	.00182	.000506	.00202	.000562	
330	10.0	1.0	1.6	.93677	562.8	.00221	.000615	.00188	.000523	
331	10.0	.5	1.1	.94190	561.8	.00185	.000514			
332	10.0	.0	.6	.95899	569.5	.00145	.000403	.00164	.000456	
333	12.0	1.5	1.1	.95728	571.5	.00199	.000553	.00213	.000592	
334	12.0	1.0	1.6	.94190	566.8	.00241	.000670			
336	12.0	.0	.6	.96639	575.1	.00144	.000400			
337	14.0	1.5	1.1	.95899	571.1	.00180	.000501	.00180	.000501	
338	14.0	1.0	1.6	.94532	570.8	.00222	.000617	.00203	.000565	
339	14.0	.5	1.1	.95101	568.1	.00192	.000534			
340	14.0	.0	.6	.96981	575.1	.00128	.000356	.00167	.000464	
341	18.0	1.5	1.1	.96582	574.8	.00156	.000434	.00171	.000476	
342	18.0	1.0	1.6	.95329	570.5	.00218	.000606	.00198	.000551	
343	18.0	.5	1.1	.96127	572.5	.00180	.000501	.00180	.000501	
344	18.0	.0	.6	.97038	575.8	.00118	.000328	.00124	.000345	
345	22.0	1.5	1.1	.96753	574.8	.00144	.000400	.00145	.000403	
346	22.0	1.0	1.6	.95386	572.1	.00204	.000567	.00191	.000531	
347	22.0	.5	1.1	.95899	571.1	.00153	.000426	.00120	.000334	
348	22.0	.0	.6	.97892	578.8	.00109	.000303			
349	26.0	1.5	1.1	.96981	575.5	.00143	.000398	.00152	.000423	
350	26.0	1.0	1.6	.95101	571.5	.00189	.000526	.00159	.000442	
351	26.0	.5	1.1	.95728	571.1	.00165	.000459	.00136	.000378	
352	26.0	.0	.6	.98006	579.5	.00109	.000303			
353	30.0	1.5	1.1	.96810	574.5	.00143	.000398	.00148	.000412	
354	30.0	1.0	1.6	.95329	568.8	.00199	.000553	.00175	.000487	
355	30.0	.5	1.1	.96013	572.5	.00153	.000426	.00137	.000381	
356	30.0	.0	.6	.97835	578.1	.00109	.000303	.00139	.000387	
357	4.0	-6.0	.6	.94532	567.5	.00258	.000718			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

8. Corrugated Panel with 30° Wedge Leading Edge; α = 10° - Continued

(f) M = 3.51; R = 1.61 × 10^6; T_t = 704° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.97384	576.8	.00127	.000615			.86
2	2.0	.0		.97100	575.1	.00130	.000630			.87
3	2.0	12.0		.96872	573.5	.00130	.000630			.88
4	8.0	.0		.97555	582.1	.00220	.001065			1.34
5	9.0	.0		.98464	586.5	.00214	.001036	.00209	.001012	1.42
6	10.0	.0		.99772	593.8	.00179	.000867			1.13
24	14.0	-12.0		.96417	571.1	.00133	.000644			.89
42	50.0	-8.0		1.01762	598.1	.00042	.000203			.30
43	50.0	-5.0		1.02331	601.1	.00037	.000179			.24
46	58.0	.0		.96702	572.8	.00128	.000620			.93
47	58.0	6.0		.95223	563.5	.00125	.000605			.84
48	58.0	12.0		.95394	568.1	.00199	.000964			1.43
301	1.0	1.5	1.1	.99545	584.8	.00050	.000242	.00052	.000252	
302	1.0	1.0	1.6	.97270	577.5	.00132	.000639			
303	1.0	.5	1.1	.99203	583.1	.00068	.000329	.00060	.000291	
305	2.0	1.5	1.1	.97498	575.8	.00113	.000547	.00111	.000538	
306	2.0	1.0	1.6	.95110	566.8	.00159	.000770			
307	2.0	.5	1.1	.96133	570.5	.00150	.000726	.00104	.000504	
308	2.0	.0	.6	.98805	585.1	.00113	.000547			
309	3.0	1.5	1.1	.96361	572.1	.00116	.000562	.00096	.000465	
310	3.0	1.0	1.6	.94882	562.1	.00127	.000615			
311	3.0	.5	1.1	.95167	568.1	.00172	.000833	.00136	.000659	
312	3.0	.0	.6	.97213	578.8	.00167	.000809			
313	4.0	1.5	1.1	.96588	572.1	.00125	.000605	.00131	.000634	
314	4.0	1.0	1.6	.95110	564.5	.00151	.000731	.00124	.000601	
315	4.0	.5	1.1	.95167	567.5	.00190	.000920	.00163	.000789	
316	4.0	.0	.6	.97498	579.5	.00165	.000799			
317	5.0	1.5	1.1	.96417	571.1	.00132	.000639			
318	5.0	1.0	1.6	.95167	563.1	.00213	.001032			
319	5.0	.5	1.1	.95394	566.8	.00168	.000814			
321	6.0	1.5	1.1	.96759	572.5	.00115	.000557	.00126	.000610	
322	6.0	1.0	1.6	.95678	566.8	.00128	.000620	.00104	.000504	
323	6.0	.5	1.1	.96190	571.8	.00134	.000649	.00135	.000654	
324	6.0	.0	.6	.97100	575.1	.00115	.000557			
325	8.0	1.5	1.1	.97213	574.8	.00114	.000552	.00117	.000567	
326	8.0	1.0	1.6	.96361	571.5	.00121	.000586	.00093	.000450	
327	8.0	.5	1.1	.97043	575.5	.00120	.000581	.00123	.000596	
328	8.0	.0	.6	.97782	577.5	.00096	.000465	.00114	.000552	
329	10.0	1.5	1.1	.98464	581.8	.00112	.000542	.00135	.000654	
330	10.0	1.0	1.6	.96815	573.8	.00125	.000605	.00100	.000484	
331	10.0	.5	1.1	.97384	576.1	.00114	.000552			
332	10.0	.0	.6	.98805	582.8	.00082	.000397	.00106	.000513	
333	12.0	1.5	1.1	.98749	584.1	.00112	.000542	.00123	.000596	
334	12.0	1.0	1.6	.97384	577.8	.00132	.000639			
336	12.0	.0	.6	.99488	587.8	.00080	.000387			
337	14.0	1.5	1.1	.98976	584.5	.00093	.000450	.00095	.000460	
338	14.0	1.0	1.6	.97782	579.8	.00147	.000712	.00124	.000601	
339	14.0	.5	1.1	.98407	582.5	.00129	.000625			
340	14.0	.0	.6	.99829	588.5	.00070	.000339			
341	18.0	1.5	1.1	.99601	589.1	.00095	.000460	.00106	.000513	
342	18.0	1.0	1.6	.98578	583.8	.00111	.000538	.00105	.000509	
343	18.0	.5	1.1	.99431	587.1	.00090	.000436	.00093	.000450	
344	18.0	.0	.6	1.00170	589.8	.00066	.000320	.00078	.000378	
345	22.0	1.5	1.1	.99772	588.8	.00085	.000412	.00086	.000417	
346	22.0	1.0	1.6	.98692	584.1	.00113	.000547	.00097	.000470	
347	22.0	.5	1.1	.99147	584.8	.00080	.000387	.00057	.000276	
348	22.0	.0	.6	1.00739	592.8	.00059	.000286			
349	26.0	1.5	1.1	1.00000	591.1	.00081	.000392	.00089	.000431	
350	26.0	1.0	1.6	.98464	582.5	.00113	.000547	.00085	.000412	
351	26.0	.5	1.1	.98976	584.5	.00095	.000460	.00075	.000363	
352	26.0	.0	.6	1.00796	593.5	.00067	.000324			
353	30.0	1.5	1.1	.99829	588.8	.00081	.000392	.00085	.000412	
354	30.0	1.0	1.6	.98749	583.8	.00097	.000470	.00075	.000363	
355	30.0	.5	1.1	.99317	586.1	.00094	.000455	.00084	.000407	
356	30.0	.0	.6	1.00682	592.1	.00058	.000281			
357	4.0	-6.0	.6	.97157	577.8	.00166	.000804			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

8. Corrugated Panel with 30° Wedge Leading Edge; α = 10° - Continued

(g) M = 4.44; R = 4.48 × 10^6; T_t = 687° R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94419	576.8	.00174	.000442			.89
2	2.0	.0		.94253	577.1	.00197	.000501			.95
3	2.0	12.0		.94087	575.8	.00175	.000445			.95
4	8.0	.0		.95468	588.1	.00302	.000767			1.47
5	9.0	.0		.96629	594.8	.00303	.000770	.00314	.000798	1.42
6	10.0	.0		.97347	598.5	.00236	.000600			1.07
24	14.0	-12.0		.93811	576.5	.00211	.000536			1.06
42	50.0	-8.0		.99060	599.8	.00070	.000178			.39
43	50.0	-5.0		.99502	601.5	.00050	.000127			.28
44	50.0	.0		1.00386	605.5	.00031	.000079			.16
46	58.0	.0		.98508	599.8	.00135	.000343			.76
47	58.0	6.0		.97402	594.5	.00156	.000396			.87
48	58.0	12.0		.91711	564.5	.00249	.000633			1.38
301	1.0	1.5	1.1	.95137	574.8	.00063	.000160	.00084	.000213	
302	1.0	1.0	1.6	.91987	563.8	.00151	.000384			
303	1.0	.5	1.1	.94463	571.1	.00091	.000231	.00075	.000191	
304	1.0	.0	.6	.96629	583.5	.00051	.000130			
305	2.0	1.5	1.1	.93258	567.1	.00141	.000358	.00146	.000371	
306	2.0	1.0	1.6	.90385	553.5	.00186	.000473			
307	2.0	.5	1.1	.91158	557.5	.00182	.000462			
308	2.0	.0	.6	.94640	577.5	.00172	.000437			
309	3.0	1.5	1.1	.92429	564.5	.00151	.000384	.00139	.000353	
310	3.0	1.0	1.6	.90827	554.8	.00178	.000452			
311	3.0	.5	1.1	.90716	558.5	.00218	.000554			
312	3.0	.0	.6	.92982	571.5	.00186	.000473			
313	4.0	1.5	1.1	.91987	561.1	.00167	.000424	.00159	.000404	
314	4.0	1.0	1.6	.90606	555.1	.00196	.000498	.00163	.000414	
315	4.0	.5	1.1	.90219	555.5	.00244	.000620			
316	4.0	.0	.6	.92650	567.5	.00182	.000462			
317	5.0	1.5	1.1	.91822	560.1	.00165	.000419			
318	5.0	1.0	1.6	.90551	555.5	.00335	.000851	.00285	.000724	
319	5.0	.5	1.1	.90495	556.5	.00213	.000541			
321	6.0	1.5	1.1	.92208	562.1	.00147	.000373	.00172	.000437	
322	6.0	1.0	1.6	.91048	556.5	.00181	.000460			
323	6.0	.5	1.1	.91380	559.8	.00216	.000549	.00211	.000536	
324	6.0	.0	.6	.92429	564.5	.00149	.000379			
325	8.0	1.5	1.1	.92650	567.1	.00140	.000356	.00145	.000368	
326	8.0	1.0	1.6	.91766	560.5	.00179	.000455	.00140	.000356	
327	8.0	.5	1.1	.92264	563.8	.00166	.000422	.00165	.000419	
328	8.0	.0	.6	.93203	567.5	.00143	.000363	.00177	.000450	
329	10.0	1.5	1.1	.93977	573.5	.00137	.000348			
330	10.0	1.0	1.6	.92098	563.1	.00203	.000516			
331	10.0	.5	1.1	.92540	564.1	.00147	.000373			
332	10.0	.0	.6	.94087	572.1	.00111	.000282			
333	12.0	1.5	1.1	.94363	575.5	.00145	.000368	.00175	.000445	
334	12.0	1.0	1.6	.92871	569.5	.00180	.000457			
336	12.0	.0	.6	.95137	578.8	.00114	.000290			
337	14.0	1.5	1.1	.94584	576.1	.00141	.000358	.00146	.000371	
338	14.0	1.0	1.6	.93258	570.8	.00210	.000534	.00170	.000432	
339	14.0	.5	1.1	.93866	572.5	.00151	.000384			
340	14.0	.0	.6	.95579	581.1	.00104	.000264			
341	18.0	1.5	1.1	.95413	581.8	.00127	.000323	.00166	.000422	
342	18.0	1.0	1.6	.94142	575.1	.00175	.000445			
343	18.0	.5	1.1	.94916	579.5	.00142	.000361	.00142	.000361	
344	18.0	.0	.6	.95745	582.1	.00091	.000231	.00112	.000285	
345	22.0	1.5	1.1	.95745	582.1	.00110	.000279	.00124	.000315	
346	22.0	1.0	1.6	.94308	576.1	.00159	.000404			
347	22.0	.5	1.1	.94805	575.8	.00131	.000333			
348	22.0	.0	.6	.96739	586.1	.00078	.000198			
349	26.0	1.5	1.1	.96076	583.1	.00109	.000277	.00126	.000320	
350	26.0	1.0	1.6	.94419	575.1	.00154	.000391			
351	26.0	.5	1.1	.95026	577.1	.00109	.000277			
352	26.0	.0	.6	.97126	588.5	.00062	.000158			
353	30.0	1.5	1.1	.96021	583.1	.00091	.000231	.00097	.000246	
354	30.0	1.0	1.6	.94640	577.5	.00154	.000391			
355	30.0	.5	1.1	.95303	579.1	.00116	.000295			
356	30.0	.0	.6	.97016	587.5	.00072	.000183			
357	4.0	-6.0	.6	.92264	566.5	.00206	.000523			
360	16.0	-6.0	.6	.99834	667.1	.04013	.010196			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

8. Corrugated Panel with 30° Wedge Leading Edge; α = 10° - Continued

(h) M = 4.44; R = 3.24 × 10^6; T_t = 678° R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95091	573.8	.00126	.000449			.85
2	2.0	.0		.94979	573.5	.00145	.000517			.98
3	2.0	12.0		.94756	575.1	.00135	.000481			.99
4	8.0	.0		.95983	584.1	.00265	.000944			1.61
5	9.0	.0		.96876	587.5	.00249	.000887	.00256	.000912	1.55
6	10.0	.0		.97434	591.1	.00201	.000716			1.22
24	14.0	-12.0		.94310	569.1	.00155	.000552			1.04
42	50.0	-8.0		.99163	594.1	.00073	.000260			.55
44	50.0	.0		1.00222	599.1	.00030	.000107			.21
46	58.0	.0		.98661	593.1	.00103	.000367			.80
47	58.0	6.0		.97713	588.8	.00114	.000406			.85
48	58.0	12.0		.92581	561.1	.00183	.000652			1.56
301	1.0	1.5	1.1	.95537	571.8	.00075	.000267	.00095	.000338	
302	1.0	1.0	1.6	.93027	561.8	.00140	.000499			
303	1.0	.5	1.1	.94923	569.5	.00086	.000306	.00078	.000278	
304	1.0	.0	.6	.96597	577.8	.00049	.000175			
305	2.0	1.5	1.1	.93919	564.8	.00106	.000378	.00120	.000427	
306	2.0	1.0	1.6	.91465	553.1	.00202	.000720			
307	2.0	.5	1.1	.92134	557.5	.00171	.000609			
308	2.0	.0	.6	.94979	572.8	.00145	.000517			
309	3.0	1.5	1.1	.92971	561.1	.00128	.000456	.00119	.000424	
310	3.0	1.0	1.6	.91465	552.8	.00152	.000541			
311	3.0	.5	1.1	.91465	554.5	.00207	.000737	.00159	.000566	
312	3.0	.0	.6	.93362	565.8	.00202	.000720			
313	4.0	1.5	1.1	.92581	559.8	.00138	.000492	.00151	.000538	
314	4.0	1.0	1.6	.91130	551.1	.00168	.000598	.00132	.000470	
315	4.0	.5	1.1	.90852	552.8	.00211	.000752	.00148	.000527	
316	4.0	.0	.6	.92971	562.8	.00201	.000716			
317	5.0	1.5	1.1	.92302	556.5	.00139	.000495			
318	5.0	1.0	1.6	.91130	551.1	.00168	.000598	.00138	.000492	
319	5.0	.5	1.1	.91019	551.1	.00205	.000730	.00249	.000887	
321	6.0	1.5	1.1	.92692	559.1	.00129	.000460	.00151	.000538	
322	6.0	1.0	1.6	.91632	553.8	.00151	.000538	.00108	.000385	
323	6.0	.5	1.1	.91911	558.8	.00151	.000538	.00144	.000513	
324	6.0	.0	.6	.92860	560.1	.00130	.000463			
325	8.0	1.5	1.1	.93083	561.8	.00122	.000435	.00126	.000449	
326	8.0	1.0	1.6	.92302	556.5	.00139	.000495	.00105	.000374	
327	8.0	.5	1.1	.92804	560.5	.00149	.000531	.00153	.000545	
328	8.0	.0	.6	.93529	562.5	.00105	.000374	.00130	.000463	
329	10.0	1.5	1.1	.94421	568.5	.00135	.000481			
330	10.0	1.0	1.6	.92748	560.5	.00149	.000531			
331	10.0	.5	1.1	.93139	560.8	.00122	.000435			
332	10.0	.0	.6	.94533	567.8	.00092	.000328			
333	12.0	1.5	1.1	.94868	571.5	.00135	.000481	.00157	.000559	
334	12.0	1.0	1.6	.93529	564.8	.00149	.000531			
336	12.0	.0	.6	.95537	574.1	.00092	.000328			
337	14.0	1.5	1.1	.95091	571.8	.00105	.000374	.00105	.000374	
338	14.0	1.0	1.6	.93919	567.8	.00148	.000527			
339	14.0	.5	1.1	.94589	569.5	.00120	.000427			
340	14.0	.0	.6	.96039	576.1	.00077	.000274			
341	18.0	1.5	1.1	.95872	576.8	.00101	.000360			
342	18.0	1.0	1.6	.94756	572.5	.00135	.000481			
343	18.0	.5	1.1	.95537	574.5	.00132	.000470	.00138	.000492	
344	18.0	.0	.6	.96151	577.8	.00077	.000274	.00090	.000321	
345	22.0	1.5	1.1	.96151	577.8	.00091	.000324	.00111	.000395	
346	22.0	1.0	1.6	.94868	571.5	.00135	.000481			
347	22.0	.5	1.1	.95258	572.1	.00092	.000328			
348	22.0	.0	.6	.96987	581.5	.00063	.000224			
349	26.0	1.5	1.1	.96430	579.8	.00077	.000274	.00094	.000335	
350	26.0	1.0	1.6	.95035	571.8	.00133	.000474			
351	26.0	.5	1.1	.95537	573.1	.00086	.000306			
352	26.0	.0	.6	.97322	582.8	.00054	.000192			
353	30.0	1.5	1.1	.96318	577.8	.00069	.000246	.00071	.000253	
354	30.0	1.0	1.6	.95202	573.1	.00125	.000445			
355	30.0	.5	1.1	.95760	575.1	.00091	.000324	.00073	.000260	
356	30.0	.0	.6	.97155	582.5	.00058	.000207			
357	4.0	-6.0	.6	.92692	560.5	.00199	.000709			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

8. Corrugated Panel with 30° Wedge Leading Edge; α = 10° - Concluded

(i) M = 4.44; R = 2.14 × 10^6; T_t = 680° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95914	574.5	.00087	.000466			.83
2	2.0	.0		.95914	574.5	.00106	.000568			.91
3	2.0	12.0		.95634	573.5	.00093	.000498			.80
4	8.0	.0		.96753	582.5	.00171	.000916			1.69
5	9.0	.0		.97481	586.1	.00166	.000889	.00168	.000900	1.57
6	10.0	.0		.98153	590.1	.00124	.000664			1.23
24	14.0	-12.0		.95074	570.1	.00112	.000600			1.26
42	50.0	-8.0		.99776	594.8	.00045	.000241			.51
43	50.0	-5.0		.99888	595.1	.00038	.000204			.46
46	58.0	.0		.99048	592.1	.00062	.000332			.70
47	58.0	6.0		.98265	589.1	.00091	.000488			1.02
48	58.0	12.0		.93899	565.5	.00138	.000739			1.62
301	1.0	1.5	1.1	.97537	580.5	.00036	.000193			
302	1.0	1.0	1.6	.95410	572.8	.00084	.000450			
303	1.0	.5	1.1	.97089	578.8	.00044	.000236	.00045	.000241	
304	1.0	.0	.6	.98320	585.5	.00038	.000204			
305	2.0	1.5	1.1	.95970	573.5	.00081	.000434			
307	2.0	.5	1.1	.94459	566.5	.00099	.000530			
308	2.0	.0	.6	.96697	578.8	.00073	.000391			
309	3.0	1.5	1.1	.94739	567.5	.00083	.000445	.00091	.000488	
310	3.0	1.0	1.6	.93339	560.1	.00100	.000536	.00114	.000611	
311	3.0	.5	1.1	.93339	561.1	.00148	.000793			
312	3.0	.0	.6	.94906	570.5	.00146	.000782			
313	4.0	1.5	1.1	.94235	564.5	.00094	.000504	.00122	.000654	
314	4.0	1.0	1.6	.92724	556.1	.00113	.000605			
315	4.0	.5	1.1	.92444	557.1	.00150	.000804			
316	4.0	.0	.6	.94347	566.8	.00116	.000621			
317	5.0	1.5	1.1	.93899	562.1	.00099	.000530			
318	5.0	1.0	1.6	.92724	556.1	.00113	.000605			
319	5.0	.5	1.1	.92612	556.5	.00117	.000627			
321	6.0	1.5	1.1	.94291	566.1	.00083	.000445	.00110	.000589	
322	6.0	1.0	1.6	.93283	558.5	.00101	.000541			
323	6.0	.5	1.1	.93507	561.5	.00100	.000536	.00094	.000504	
324	6.0	.0	.6	.94235	564.1	.00076	.000407			
325	8.0	1.5	1.1	.94515	565.1	.00068	.000364	.00069	.000370	
326	8.0	1.0	1.6	.93955	562.1	.00094	.000504	.00066	.000354	
327	8.0	.5	1.1	.94403	564.8	.00077	.000413	.00083	.000445	
328	8.0	.0	.6	.94906	566.8	.00060	.000321	.00079	.000423	
329	10.0	1.5	1.1	.95858	572.8	.00060	.000321			
330	10.0	1.0	1.6	.94403	565.1	.00094	.000504			
331	10.0	.5	1.1	.94795	566.5	.00068	.000364			
332	10.0	.0	.6	.95970	572.8	.00080	.000429			
333	12.0	1.5	1.1	.96306	575.8	.00067	.000359	.00086	.000461	
334	12.0	1.0	1.6	.95074	570.1	.00098	.000525			
336	12.0	.0	.6	.96921	578.5	.00051	.000273			
337	14.0	1.5	1.1	.96474	576.5	.00081	.000434	.00082	.000439	
338	14.0	1.0	1.6	.95578	572.1	.00081	.000434			
339	14.0	.5	1.1	.96194	574.8	.00081	.000434			
340	14.0	.0	.6	.97257	580.8	.00044	.000236			
341	18.0	1.5	1.1	.97313	581.5	.00080	.000429	.00103	.000552	
342	18.0	1.0	1.6	.96418	576.8	.00073	.000391			
343	18.0	.5	1.1	.97257	580.5	.00064	.000343	.00077	.000413	
344	18.0	.0	.6	.97593	581.8	.00049	.000263	.00058	.000311	
345	22.0	1.5	1.1	.97481	582.1	.00053	.000284	.00062	.000332	
346	22.0	1.0	1.6	.96530	577.1	.00081	.000434	.00057	.000305	
347	22.0	.5	1.1	.96865	577.8	.00047	.000252			
348	22.0	.0	.6	.98209	586.1	.00041	.000220			
349	26.0	1.5	1.1	.97761	583.1	.00052	.000279	.00061	.000327	
350	26.0	1.0	1.6	.96697	577.8	.00066	.000354			
351	26.0	.5	1.1	.97033	578.8	.00053	.000284			
352	26.0	.0	.6	.98488	587.5	.00035	.000188			
353	30.0	1.5	1.1	.97593	582.1	.00044	.000236	.00042	.000225	
354	30.0	1.0	1.6	.96865	578.8	.00066	.000354			
355	30.0	.5	1.1	.97257	580.5	.00053	.000284			
356	30.0	.0	.6	.98320	585.8	.00043	.000230			
357	4.0	-6.0	.6	.94123	566.1	.00115	.000616			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

9. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 0^{o}$

(a) M = 2.65; R = 3.88×10^{6}; $T_t = 713^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94077	583.8	.00551	.000787			1.00
2	2.0	.0		.93801	583.1	.00562	.000802			.97
3	2.0	12.0		.93856	583.8	.00559	.000798			.97
4	8.0	.0		.93690	582.1	.00563	.000804			.98
5	9.0	.0		.93745	582.5	.00573	.000818	.00574	.000819	.99
6	10.0	.0		.93745	582.1	.00562	.000802	.00532	.000759	.97
7	11.0	.0		.94797	594.8	.00725	.001035	.00748	.001068	1.25
8	11.5	.0		.95240	597.8	.00764	.001091			1.35
42	50.0	-8.0		.98062	595.8	.00119	.000170			.22
43	50.0	-5.0		.98339	593.5	.00077	.000110			.14
44	50.0	.0		.98173	591.5	.00056	.000080			.10
45	50.0	6.0		.98228	595.5	.00135	.000193			.24
46	58.0	.0		.93192	575.5	.00446	.000637			.80
47	58.0	6.0		.92638	577.1	.00592	.000845			1.01
48	58.0	12.0		.92804	580.5	.00677	.000966			1.17
301	1.0	1.5	1.1	.93745	586.1	.00542	.000774	.00519	.000741	
302	1.0	1.0	1.6	.92140	585.1	.00767	.001095	.00745	.001063	
303	1.0	.5	1.1	.93745	583.5	.00557	.000795	.00589	.000841	
304	1.0	.0	.6	.95461	595.5	.00412	.000588	.00468	.000668	
305	2.0	1.5	1.1	.94188	590.8	.00479	.000684	.00486	.000694	
306	2.0	1.0	1.6	.92361	583.5	.00696	.000993	.00644	.000919	
307	2.0	.5	1.1	.94243	587.8	.00493	.000704	.00498	.000711	
308	2.0	.0	.6	.95682	592.8	.00332	.000474	.00346	.000494	
309	3.0	1.5	1.1	.94575	585.1	.00503	.000718	.00494	.000705	
310	3.0	1.0	1.6	.93136	579.5	.00547	.000781	.00551	.000787	
311	3.0	.5	1.1	.94741	589.8	.00473	.000675	.00484	.000691	
312	3.0	.0	.6	.96070	594.5	.00378	.000540	.00434	.000620	
313	4.0	1.5	1.1	.94907	592.1	.00491	.000701	.00513	.000732	
314	4.0	1.0	1.6	.93302	586.8	.00618	.000882	.00580	.000828	
315	4.0	.5	1.1	.94520	586.1	.00510	.000728	.00501	.000715	
316	4.0	.0	.6	.96291	592.1	.00351	.000501			
317	5.0	1.5	1.1	.94686	586.5	.00474	.000677			
318	5.0	1.0	1.6	.93690	588.8	.00599	.000855	.00593	.000846	
319	5.0	.5	1.1	.94686	585.5	.00483	.000689			
321	6.0	1.5	1.1	.95627	596.8	.00422	.000602	.00463	.000661	
322	6.0	1.0	1.6	.93690	587.8	.00581	.000829	.00535	.000764	
323	6.0	.5	1.1	.94963	590.5	.00457	.000652	.00464	.000662	
324	6.0	.0	.6	.95904	589.5	.00369	.000527			
325	8.0	1.5	1.1	.95295	589.1	.00459	.000655	.00454	.000648	
326	8.0	1.0	1.6	.94520	594.5	.00507	.000724	.00503	.000718	
327	8.0	.5	1.1	.95240	593.1	.00390	.000557	.00371	.000530	
328	8.0	.0	.6	.96236	591.1	.00350	.000500	.00375	.000535	
329	10.0	1.5	1.1	.95959	595.5	.00422	.000602	.00442	.000631	
330	10.0	1.0	1.6	.94741	593.5	.00556	.000794	.00548	.000782	
331	10.0	.5	1.1	.95627	594.8	.00377	.000538	.00373	.000532	
332	10.0	.0	.6	.96236	592.8	.00320	.000457	.00315	.000450	
333	12.0	1.5	1.1	.95793	594.5	.00423	.000604	.00430	.000614	
334	12.0	1.0	1.6	.94631	591.8	.00525	.000749	.00507	.000724	
335	12.0	.5	1.1	.95572	588.5	.00412	.000588	.00397	.000567	
336	12.0	.0	.6	.96734	595.5	.00306	.000437	.00333	.000475	
337	14.0	1.5	1.1	.95572	588.5	.00356	.000508	.00380	.000542	
338	14.0	1.0	1.6	.94907	592.8	.00507	.000724	.00506	.000722	
339	14.0	.5	1.1	.95738	593.1	.00394	.000562	.00395	.000564	
340	14.0	.0	.6	.96568	595.5	.00276	.000394	.00289	.000413	
341	18.0	1.5	1.1	.95793	592.5	.00378	.000540	.00385	.000550	
342	18.0	1.0	1.6	.95018	591.8	.00473	.000675	.00465	.000664	
343	18.0	.5	1.1	.95682	591.5	.00377	.000538	.00376	.000537	
344	18.0	.0	.6	.96291	589.1	.00289	.000413	.00292	.000417	
345	22.0	1.5	1.1	.96236	593.8	.00347	.000495	.00359	.000512	
346	22.0	1.0	1.6	.95074	594.8	.00431	.000615	.00430	.000614	
347	22.0	.5	1.1	.95516	586.8	.00370	.000528	.00351	.000501	
348	22.0	.0	.6	.96568	590.5	.00287	.000410	.00300	.000428	
349	26.0	1.5	1.1	.95904	590.5	.00320	.000457	.00312	.000445	
350	26.0	1.0	1.6	.95240	591.1	.00425	.000607	.00430	.000614	
351	26.0	.5	1.1	.95682	588.8	.00308	.000440	.00288	.000411	
352	26.0	.0	.6	.96679	593.8	.00226	.000323	.00248	.000354	
353	30.0	1.5	1.1	.96014	588.8	.00307	.000438	.00308	.000440	
354	30.0	1.0	1.6	.95350	587.8	.00415	.000592	.00408	.000582	
355	30.0	.5	1.1	.96014	592.5	.00278	.000397	.00272	.000388	
356	30.0	.0	.6	.96679	593.5	.00226	.000323	.00235	.000335	
357	4.0	-6.0	.6	.96125	598.8	.00379	.000541			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

9. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 0^{o}$ - Continued

(b) $M = 2.65$; $R = 2.50 \times 10^{6}$; $T_t = 716^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95174	583.1	.00396	.000871			1.02
2	2.0	.0		.94730	581.8	.00388	.000853			1.00
3	2.0	12.0		.94841	582.5	.00380	.000836			.99
4	8.0	.0		.94452	579.8	.00382	.000840			.97
5	9.0	.0		.94563	580.5	.00393	.000864	.00394	.000867	1.00
6	10.0	.0		.94674	580.8	.00383	.000842	.00361	.000794	.98
7	11.0	.0		.95562	591.8	.00528	.001161	.00547	.001203	1.35
8	11.5	.0		.95950	594.2	.00563	.001238			1.44
42	50.0	-8.0		.99889	600.8	.00066	.000145			.17
43	50.0	-5.0		1.00221	602.5	.00048	.000106			.13
44	50.0	.0		1.00166	601.1	.00034	.000075			.09
45	50.0	6.0		1.00110	603.1	.00088	.000194			.24
46	58.0	.0		.94508	577.1	.00301	.000662			.79
47	58.0	6.0		.93787	576.5	.00401	.000882			.98
48	58.0	12.0		.93676	578.5	.00480	.001056			1.22
301	1.0	1.5	1.1	.94563	579.5	.00381	.000838	.00362	.000796	
302	1.0	1.0	1.6	.92955	577.1	.00571	.001256	.00548	.001205	
303	1.0	.5	1.1	.94508	585.8	.00366	.000805	.00347	.000763	
304	1.0	.0	.6	.96283	587.5	.00252	.000554			
305	2.0	1.5	1.1	.95174	582.8	.00359	.000790	.00362	.000796	
306	2.0	1.0	1.6	.93398	577.1	.00498	.001095	.00450	.000990	
307	2.0	.5	1.1	.95284	583.1	.00357	.000785	.00361	.000794	
308	2.0	.0	.6	.96727	589.8	.00218	.000479	.00248	.000545	
309	3.0	1.5	1.1	.95728	588.1	.00337	.000741	.00317	.000697	
310	3.0	1.0	1.6	.94341	578.8	.00403	.000886	.00352	.000774	
311	3.0	.5	1.1	.95895	589.1	.00337	.000741	.00333	.000732	
312	3.0	.0	.6	.97226	592.5	.00275	.000605	.00325	.000715	
313	4.0	1.5	1.1	.96172	589.1	.00357	.000785	.00373	.000820	
314	4.0	1.0	1.6	.94563	582.5	.00446	.000981	.00410	.000902	
315	4.0	.5	1.1	.95728	586.5	.00358	.000787	.00346	.000761	
316	4.0	.0	.6	.97559	593.8	.00241	.000530			
317	5.0	1.5	1.1	.95950	587.2	.00338	.000743			
318	5.0	1.0	1.6	.94952	584.8	.00443	.000974	.00432	.000950	
319	5.0	.5	1.1	.95950	586.5	.00298	.000655			
321	6.0	1.5	1.1	.96893	592.1	.00294	.000647	.00325	.000715	
322	6.0	1.0	1.6	.95007	583.8	.00403	.000886	.00356	.000783	
323	6.0	.5	1.1	.96227	588.1	.00318	.000699	.00322	.000708	
324	6.0	.0	.6	.97226	591.5	.00240	.000528			
325	8.0	1.5	1.1	.96616	590.5	.00334	.000735	.00329	.000724	
326	8.0	1.0	1.6	.95784	587.8	.00342	.000752	.00365	.000803	
327	8.0	.5	1.1	.96505	591.1	.00266	.000585	.00265	.000583	
328	8.0	.0	.6	.97670	593.8	.00221	.000486	.00243	.000534	
329	10.0	1.5	1.1	.97281	596.1	.00291	.000640	.00310	.000682	
330	10.0	1.0	1.6	.95950	589.5	.00399	.000878	.00378	.000831	
331	10.0	.5	1.1	.96949	593.1	.00267	.000587	.00266	.000585	
332	10.0	.0	.6	.97670	596.8	.00215	.000473	.00209	.000460	
333	12.0	1.5	1.1	.97004	594.8	.00281	.000618	.00283	.000622	
334	12.0	1.0	1.6	.95839	591.1	.00365	.000803	.00342	.000752	
335	12.0	.5	1.1	.96838	592.1	.00255	.000561	.00238	.000523	
336	12.0	.0	.6	.98169	597.8	.00203	.000446	.00240	.000528	
337	14.0	1.5	1.1	.96838	594.1	.00246	.000541	.00231	.000508	
338	14.0	1.0	1.6	.96117	592.1	.00350	.000770	.00339	.000746	
339	14.0	.5	1.1	.97004	591.5	.00277	.000609	.00275	.000605	
340	14.0	.0	.6	.98003	594.5	.00201	.000442	.00227	.000499	
341	18.0	1.5	1.1	.97115	591.5	.00275	.000605	.00278	.000611	
342	18.0	1.0	1.6	.96283	591.8	.00337	.000741	.00307	.000675	
343	18.0	.5	1.1	.96949	590.5	.00259	.000570	.00256	.000563	
344	18.0	.0	.6	.97781	592.8	.00185	.000407	.00199	.000438	
345	22.0	1.5	1.1	.97614	597.5	.00224	.000493	.00235	.000517	
346	22.0	1.0	1.6	.96394	592.1	.00309	.000680	.00295	.000649	
347	22.0	.5	1.1	.96949	589.1	.00239	.000526	.00220	.000484	
348	22.0	.0	.6	.98113	594.8	.00184	.000405	.00207	.000455	
349	26.0	1.5	1.1	.97337	591.1	.00220	.000484	.00211	.000464	
350	26.0	1.0	1.6	.96671	592.5	.00281	.000618	.00276	.000607	
351	26.0	.5	1.1	.97170	591.8	.00205	.000451	.00188	.000413	
352	26.0	.0	.6	.98335	594.8	.00155	.000341	.00176	.000387	
353	30.0	1.5	1.1	.97392	595.8	.00216	.000475	.00212	.000466	
354	30.0	1.0	1.6	.96671	590.1	.00297	.000653	.00283	.000622	
355	30.0	.5	1.1	.97448	593.5	.00204	.000449	.00198	.000435	
356	30.0	.0	.6	.98280	596.5	.00166	.000365	.00189	.000416	
357	4.0	-6.0	.6	.97392	594.5	.00294	.000647			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

9. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 0^{o}$ - Continued

(c) M = 2.65; $R = 1.26 \times 10^{6}$; $T_t = 713^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St, c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.96336	586.1	.00211	.000927			.98
2	2.0	.0		.95837	583.8	.00213	.000935			.99
3	2.0	12.0		.95948	584.8	.00214	.000940			1.00
4	8.0	.0		.95393	581.1	.00212	.000931			.95
5	9.0	.0		.95559	582.1	.00213	.000935	.00211	.000927	1.00
6	10.0	.0		.95837	583.8	.00224	.000984	.00210	.000922	.98
7	11.0	.0		.96669	592.5	.00313	.001375	.00328	.001440	1.44
8	11.5	.0		.97113	594.5	.00273	.001199			1.25
42	50.0	-8.0		1.00721	604.5	.00025	.000110			.12
43	50.0	-5.0		1.00832	605.8	.00027	.000119			.13
45	50.0	6.0		1.00888	605.8	.00038	.000167			.18
46	58.0	.0		.95892	581.5	.00162	.000711			.76
47	58.0	6.0		.95004	579.1	.00218	.000957			.97
48	58.0	12.0		.94727	579.8	.00274	.001203			1.27
301	1.0	1.5	1.1	.95282	578.8	.00176	.000773	.00159	.000698	
302	1.0	1.0	1.6	.94005	578.5	.00287	.001260	.00266	.001168	
303	1.0	.5	1.1	.95282	579.1	.00202	.000887	.00189	.000830	
304	1.0	.0	.6	.96786	585.8	.00125	.000549	.00179	.000786	
305	2.0	1.5	1.1	.96059	584.1	.00169	.000742	.00166	.000729	
306	2.0	1.0	1.6	.94671	578.8	.00266	.001168	.00236	.001036	
307	2.0	.5	1.1	.96114	582.8	.00161	.000707	.00158	.000694	
308	2.0	.0	.6	.97280	587.5	.00102	.000448	.00129	.000567	
309	3.0	1.5	1.1	.96669	586.5	.00149	.000654	.00145	.000637	
310	3.0	1.0	1.6	.95615	581.5	.00202	.000887	.00165	.000725	
311	3.0	.5	1.1	.96836	587.5	.00149	.000654	.00162	.000711	
312	3.0	.0	.6	.97835	591.8	.00112	.000492			
313	4.0	1.5	1.1	.97335	592.5	.00179	.000786	.00201	.000883	
314	4.0	1.0	1.6	.95948	586.8	.00223	.000979	.00191	.000839	
315	4.0	.5	1.1	.96836	588.1	.00179	.000786	.00170	.000747	
316	4.0	.0	.6	.98279	594.5	.00122	.000536			
317	5.0	1.5	1.1	.97169	589.5	.00160	.000703			
318	5.0	1.0	1.6	.96392	587.5	.00221	.000971	.00215	.000944	
319	5.0	.5	1.1	.97113	588.8	.00143	.000628			
321	6.0	1.5	1.1	.98112	594.5	.00158	.000694	.00187	.000821	
322	6.0	1.0	1.6	.96447	588.8	.00207	.000909			
323	6.0	.5	1.1	.97335	592.8	.00152	.000668	.00155	.000681	
324	6.0	.0	.6	.98168	594.1	.00103	.000452			
325	8.0	1.5	1.1	.97779	592.8	.00159	.000698	.00152	.000668	
326	8.0	1.0	1.6	.97224	592.5	.00181	.000795	.00174	.000764	
327	8.0	.5	1.1	.97668	592.5	.00141	.000619	.00126	.000553	
328	8.0	.0	.6	.98612	595.8	.00101	.000444	.00127	.000558	
329	10.0	1.5	1.1	.98390	596.1	.00157	.000689	.00172	.000755	
330	10.0	1.0	1.6	.97335	592.5	.00199	.000874	.00182	.000799	
331	10.0	.5	1.1	.98057	595.8	.00123	.000540	.00121	.000531	
332	10.0	.0	.6	.98667	595.8	.00099	.000435	.00103	.000452	
333	12.0	1.5	1.1	.98168	595.1	.00158	.000694	.00158	.000694	
334	12.0	1.0	1.6	.97224	592.8	.00181	.000795	.00161	.000707	
335	12.0	.5	1.1	.97946	593.8	.00129	.000567	.00111	.000487	
336	12.0	.0	.6	.99111	599.5	.00103	.000452			
337	14.0	1.5	1.1	.97946	592.5	.00123	.000540	.00109	.000479	
338	14.0	1.0	1.6	.97391	592.1	.00168	.000738	.00160	.000703	
339	14.0	.5	1.1	.98057	593.8	.00140	.000615	.00136	.000597	
340	14.0	.0	.6	.98945	597.1	.00091	.000400			
341	18.0	1.5	1.1	.98223	597.1	.00119	.000523	.00120	.000527	
342	18.0	1.0	1.6	.97557	593.5	.00167	.000733	.00154	.000676	
343	18.0	.5	1.1	.98057	594.5	.00128	.000562	.00124	.000545	
344	18.0	.0	.6	.98778	597.5	.00085	.000373	.00100	.000439	
345	22.0	1.5	1.1	.98667	597.8	.00115	.000505	.00127	.000558	
346	22.0	1.0	1.6	.97613	595.1	.00152	.000668	.00140	.000615	
347	22.0	.5	1.1	.98001	592.1	.00122	.000536	.00104	.000457	
348	22.0	.0	.6	.99056	598.8	.00085	.000373	.00106	.000466	
349	26.0	1.5	1.1	.98334	594.1	.00121	.000531	.00112	.000492	
350	26.0	1.0	1.6	.97890	593.5	.00138	.000606	.00138	.000606	
351	26.0	.5	1.1	.98168	593.1	.00098	.000430	.00081	.000356	
352	26.0	.0	.6	.99167	597.5	.00084	.000369			
353	30.0	1.5	1.1	.98279	594.1	.00112	.000492	.00116	.000509	
354	30.0	1.0	1.6	.97835	594.5	.00153	.000672	.00145	.000637	
355	30.0	.5	1.1	.98390	594.5	.00121	.000531	.00117	.000514	
356	30.0	.0	.6	.99000	598.5	.00085	.000373	.00103	.000452	
357	4.0	-6.0	.6	.98223	595.1	.00140	.000615			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

9. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 0^{o}$ - Continued

(d) M = 3.51; R = 3.93×10^{6}; $T_t = 717^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94806	578.1	.00302	.000590			.96
2	2.0	.0		.94136	574.5	.00322	.000629			.99
3	2.0	12.0		.94248	573.8	.00305	.000596			.96
4	8.0	.0		.93633	571.5	.00329	.000643			1.01
5	9.0	.0		.93689	571.8	.00328	.000641	.00331	.000647	1.00
6	10.0	.0		.93522	570.8	.00329	.000643	.00317	.000619	1.03
7	11.0	.0		.94415	575.5	.00313	.000611	.00289	.000565	.95
8	11.5	.0		.94862	582.5	.00414	.000809			1.25
42	50.0	-8.0		1.00446	599.1	.00030	.000059			.09
44	50.0	.0		1.00446	600.1	.00045	.000088			.14
45	50.0	6.0		1.01396	604.5	.00030	.000059			.10
46	58.0	.0		.96984	586.8	.00206	.000402			.66
47	58.0	6.0		.94080	571.8	.00274	.000535			.87
48	58.0	12.0		.92852	566.8	.00341	.000666			1.07
301	1.0	1.5	1.1	.91679	562.1	.00408	.000797	.00384	.000750	
302	1.0	1.0	1.6	.89892	562.8	.00538	.001051	.00504	.000984	
303	1.0	.5	1.1	.91735	567.5	.00418	.000816	.00408	.000797	
304	1.0	.0	.6	.93801	574.1	.00296	.000578	.00360	.000703	
305	2.0	1.5	1.1	.92349	563.8	.00325	.000635	.00320	.000625	
306	2.0	1.0	1.6	.90227	562.8	.00485	.000947	.00450	.000879	
307	2.0	.5	1.1	.92293	566.1	.00315	.000615	.00297	.000580	
308	2.0	.0	.6	.94192	570.8	.00206	.000402	.00244	.000477	
309	3.0	1.5	1.1	.92852	564.5	.00282	.000551	.00267	.000522	
310	3.0	1.0	1.6	.91065	559.5	.00415	.000811	.00370	.000723	
311	3.0	.5	1.1	.93019	567.1	.00246	.000481	.00242	.000473	
312	3.0	.0	.6	.94806	573.1	.00167	.000326			
313	4.0	1.5	1.1	.93801	569.8	.00257	.000502	.00263	.000514	
314	4.0	1.0	1.6	.91623	564.8	.00363	.000709	.00310	.000606	
315	4.0	.5	1.1	.93354	569.1	.00257	.000502	.00233	.000455	
316	4.0	.0	.6	.95644	578.5	.00178	.000348			
317	5.0	1.5	1.1	.93745	571.2	.00295	.000576			
318	5.0	1.0	1.6	.92461	566.5	.00385	.000752	.00360	.000703	
319	5.0	.5	1.1	.93633	569.8	.00281	.000549			
321	6.0	1.5	1.1	.94694	578.5	.00278	.000543	.00306	.000598	
322	6.0	1.0	1.6	.92628	572.5	.00412	.000805	.00378	.000738	
323	6.0	.5	1.1	.93913	574.1	.00294	.000574	.00286	.000559	
324	6.0	.0	.6	.95309	577.1	.00203	.000397			
325	8.0	1.5	1.1	.94639	579.5	.00255	.000498	.00237	.000463	
326	8.0	1.0	1.6	.93522	573.8	.00401	.000783	.00399	.000779	
327	8.0	.5	1.1	.94359	574.5	.00241	.000471	.00207	.000404	
328	8.0	.0	.6	.96146	580.5	.00165	.000322	.00209	.000408	
329	10.0	1.5	1.1	.95532	580.1	.00256	.000500	.00267	.000522	
330	10.0	1.0	1.6	.93913	575.8	.00381	.000744	.00359	.000701	
331	10.0	.5	1.1	.95141	576.8	.00238	.000465	.00229	.000447	
332	10.0	.0	.6	.96370	583.5	.00176	.000344	.00199	.000389	
333	12.0	1.5	1.1	.95476	584.1	.00244	.000477	.00234	.000457	
334	12.0	1.0	1.6	.94080	579.8	.00353	.000690	.00341	.000666	
335	12.0	.5	1.1	.95141	576.8	.00238	.000465	.00209	.000408	
336	12.0	.0	.6	.97096	586.1	.00180	.000352	.00223	.000436	
337	14.0	1.5	1.1	.95309	579.5	.00226	.000441	.00197	.000385	
338	14.0	1.0	1.6	.94359	580.5	.00349	.000682	.00345	.000674	
339	14.0	.5	1.1	.95420	578.5	.00238	.000465	.00221	.000432	
340	14.0	.0	.6	.97040	585.1	.00152	.000297	.00196	.000383	
341	18.0	1.5	1.1	.95811	584.5	.00215	.000420	.00209	.000408	
342	18.0	1.0	1.6	.94806	581.5	.00307	.000600	.00298	.000582	
343	18.0	.5	1.1	.95700	579.5	.00218	.000426	.00206	.000402	
344	18.0	.0	.6	.96872	584.1	.00151	.000295	.00176	.000344	
345	22.0	1.5	1.1	.96258	588.1	.00199	.000389	.00200	.000391	
346	22.0	1.0	1.6	.94918	582.1	.00307	.000600	.00298	.000582	
347	22.0	.5	1.1	.95644	578.5	.00190	.000371	.00173	.000338	
348	22.0	.0	.6	.97319	586.5	.00151	.000295			
349	26.0	1.5	1.1	.95811	579.5	.00217	.000424	.00194	.000379	
350	26.0	1.0	1.6	.95141	582.5	.00280	.000547	.00284	.000555	
351	26.0	.5	1.1	.95811	579.1	.00200	.000391	.00177	.000346	
352	26.0	.0	.6	.97375	586.1	.00145	.000283			
353	30.0	1.5	1.1	.95923	581.8	.00200	.000391	.00189	.000369	
354	30.0	1.0	1.6	.95030	578.5	.00277	.000541	.00267	.000522	
355	30.0	.5	1.1	.95867	581.1	.00188	.000367	.00173	.000338	
356	30.0	.0	.6	.97096	588.1	.00131	.000256			
357	4.0	-6.0	.6	.95923	581.1	.00218	.000426			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

9. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 0^{\circ}$ - Continued

(e) $M = 3.51$; $R = 2.88 \times 10^6$; $T_t = 695^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94209	567.5	.00249	.000683			1.12
2	2.0	.0		.93815	565.8	.00240	.000658			1.03
3	2.0	12.0		.93815	565.5	.00251	.000688			1.11
4	8.0	.0		.93309	562.8	.00242	.000663			1.04
5	9.0	.0		.93366	563.1	.00256	.000702	.00255	.000699	1.10
6	10.0	.0		.93534	563.8	.00252	.000691	.00240	.000658	1.11
7	11.0	.0		.94490	571.1	.00288	.000790	.00278	.000762	1.24
8	11.5	.0		.94940	576.8	.00311	.000853			1.34
43	50.0	-5.0		.99550	589.8	.00026	.000071			.12
46	58.0	.0		.95165	572.1	.00215	.000589			.94
47	58.0	6.0		.93815	564.8	.00222	.000609			.97
48	58.0	12.0		.92860	561.1	.00269	.000737			1.21
301	1.0	1.5	1.1	.92241	560.1	.00280	.000768	.00264	.000724	
302	1.0	1.0	1.6	.90723	554.1	.00430	.001179	.00390	.001069	
303	1.0	.5	1.1	.92297	561.8	.00310	.000850	.00307	.000842	
304	1.0	.0	.6	.94040	565.8	.00230	.000631	.00283	.000776	
305	2.0	1.5	1.1	.93085	560.8	.00223	.000611	.00230	.000631	
306	2.0	1.0	1.6	.91342	556.5	.00379	.001039	.00347	.000951	
307	2.0	.5	1.1	.93085	562.5	.00233	.000639	.00225	.000617	
308	2.0	.0	.6	.94546	566.1	.00167	.000458	.00204	.000559	
309	3.0	1.5	1.1	.93815	563.5	.00180	.000493	.00209	.000573	
310	3.0	1.0	1.6	.92129	559.1	.00280	.000768	.00225	.000617	
311	3.0	.5	1.1	.93815	563.1	.00189	.000518	.00190	.000521	
312	3.0	.0	.6	.95221	568.5	.00128	.000351	.00162	.000444	
313	4.0	1.5	1.1	.94434	568.8	.00188	.000515	.00194	.000532	
314	4.0	1.0	1.6	.92747	559.8	.00256	.000702	.00203	.000557	
315	4.0	.5	1.1	.94265	566.1	.00209	.000573	.00204	.000559	
316	4.0	.0	.6	.95952	573.8	.00135	.000370			
317	5.0	1.5	1.1	.94715	569.8	.00198	.000543			
318	5.0	1.0	1.6	.93534	566.1	.00242	.000663	.00218	.000598	
319	5.0	.5	1.1	.94659	568.8	.00208	.000570			
321	6.0	1.5	1.1	.95277	575.8	.00196	.000537	.00211	.000578	
322	6.0	1.0	1.6	.93928	571.8	.00254	.000696	.00227	.000622	
323	6.0	.5	1.1	.94996	574.1	.00196	.000537	.00197	.000540	
324	6.0	.0	.6	.95952	574.5	.00165	.000452			
325	8.0	1.5	1.1	.95502	573.5	.00206	.000565	.00206	.000565	
326	8.0	1.0	1.6	.94546	570.8	.00272	.000746	.00258	.000707	
327	8.0	.5	1.1	.95390	571.8	.00185	.000507	.00175	.000480	
328	8.0	.0	.6	.96345	576.8	.00132	.000362	.00155	.000425	
329	10.0	1.5	1.1	.96008	576.1	.00204	.000559	.00212	.000581	
330	10.0	1.0	1.6	.94771	574.1	.00244	.000669	.00217	.000595	
331	10.0	.5	1.1	.96008	575.1	.00165	.000452	.00169	.000463	
332	10.0	.0	.6	.96683	577.8	.00116	.000318	.00130	.000356	
333	12.0	1.5	1.1	.96064	579.5	.00174	.000477	.00172	.000472	
334	12.0	1.0	1.6	.95052	573.8	.00270	.000740	.00255	.000699	
335	12.0	.5	1.1	.95952	576.5	.00171	.000469	.00156	.000428	
336	12.0	.0	.6	.97076	581.1	.00126	.000345	.00152	.000417	
337	14.0	1.5	1.1	.96064	576.8	.00170	.000466	.00157	.000430	
338	14.0	1.0	1.6	.95221	576.1	.00242	.000663	.00232	.000636	
339	14.0	.5	1.1	.96064	577.1	.00171	.000469	.00162	.000444	
340	14.0	.0	.6	.97076	581.5	.00106	.000291	.00137	.000376	
341	18.0	1.5	1.1	.96177	577.8	.00171	.000469	.00172	.000472	
342	18.0	1.0	1.6	.95446	576.5	.00206	.000565	.00215	.000589	
343	18.0	.5	1.1	.96177	575.8	.00164	.000450	.00161	.000441	
344	18.0	.0	.6	.96795	577.8	.00104	.000285	.00116	.000318	
345	22.0	1.5	1.1	.96345	577.1	.00164	.000450	.00160	.000439	
346	22.0	1.0	1.6	.95502	578.1	.00197	.000540	.00188	.000515	
347	22.0	.5	1.1	.96177	575.5	.00129	.000354	.00131	.000359	
348	22.0	.0	.6	.97245	580.5	.00125	.000343	.00155	.000425	
349	26.0	1.5	1.1	.96345	576.5	.00163	.000447	.00153	.000419	
350	26.0	1.0	1.6	.95614	575.1	.00207	.000567	.00199	.000546	
351	26.0	.5	1.1	.96289	575.8	.00145	.000398	.00130	.000356	
352	26.0	.0	.6	.97357	580.8	.00090	.000247			
353	30.0	1.5	1.1	.96289	576.1	.00164	.000450	.00157	.000430	
354	30.0	1.0	1.6	.95614	574.5	.00206	.000565	.00195	.000535	
355	30.0	.5	1.1	.96345	575.8	.00134	.000367	.00136	.000373	
356	30.0	.0	.6	.97245	579.8	.00093	.000255			
357	4.0	-6.0	.6	.96233	576.8	.00165	.000452			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

9. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 0^{o}$ - Continued

(f) M = 3.51; R = 1.63×10^{6}; $T_t = 700^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St, c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95531	569.8	.00144	.000693			.98
2	2.0	.0		.95135	567.5	.00166	.000798			1.11
3	2.0	12.0		.95078	566.8	.00147	.000707			.99
4	8.0	.0		.94456	563.8	.00153	.000736			.93
5	9.0	.0		.94569	564.1	.00167	.000803	.00165	.000794	1.11
6	10.0	.0		.94908	565.8	.00145	.000697	.00131	.000630	.91
7	11.0	.0		.95587	574.1	.00230	.001106	.00247	.001188	1.53
8	11.5	.0		.95870	576.2	.00230	.001106			1.45
43	50.0	-5.0		1.00622	592.5	.00017	.000082			.11
44	50.0	.0		1.01244	596.5	.00016	.000077			.11
45	50.0	6.0		1.00282	590.5	.00019	.000091			.12
46	58.0	.0		.96040	571.5	.00136	.000654			.99
47	58.0	6.0		.94852	565.1	.00134	.000644			.91
48	58.0	12.0		.94003	561.8	.00174	.000837			1.25
301	1.0	1.5	1.1	.92872	557.8	.00165	.000794	.00155	.000745	
302	1.0	1.0	1.6	.91571	551.1	.00242	.001164	.00207	.000996	
303	1.0	.5	1.1	.92872	557.8	.00194	.000933	.00192	.000923	
304	1.0	.0	.6	.94343	561.8	.00130	.000625			
305	2.0	1.5	1.1	.93720	560.8	.00138	.000664	.00129	.000620	
306	2.0	1.0	1.6	.92363	555.5	.00239	.001149	.00220	.001058	
307	2.0	.5	1.1	.93720	559.5	.00137	.000659	.00129	.000620	
308	2.0	.0	.6	.94852	563.5	.00096	.000462	.00123	.000592	
309	3.0	1.5	1.1	.94512	562.1	.00129	.000620	.00130	.000625	
310	3.0	1.0	1.6	.93211	557.1	.00171	.000822			
311	3.0	.5	1.1	.94512	561.5	.00106	.000510	.00104	.000500	
312	3.0	.0	.6	.95644	566.1	.00067	.000322	.00095	.000457	
313	4.0	1.5	1.1	.95248	566.5	.00128	.000616	.00138	.000664	
314	4.0	1.0	1.6	.93890	562.5	.00142	.000683			
315	4.0	.5	1.1	.95021	568.8	.00105	.000505	.00091	.000438	
316	4.0	.0	.6	.96323	570.8	.00073	.000351			
317	5.0	1.5	1.1	.95587	569.2	.00128	.000616			
318	5.0	1.0	1.6	.94682	564.1	.00130	.000625	.00103	.000495	
319	5.0	.5	1.1	.95474	567.8	.00107	.000515			
321	6.0	1.5	1.1	.96266	572.5	.00106	.000510	.00123	.000592	
322	6.0	1.0	1.6	.95135	567.8	.00142	.000683	.00124	.000596	
323	6.0	.5	1.1	.95927	570.8	.00127	.000611	.00131	.000630	
324	6.0	.0	.6	.96662	573.5	.00094	.000452			
325	8.0	1.5	1.1	.96492	573.8	.00126	.000606	.00127	.000611	
326	8.0	1.0	1.6	.95813	571.5	.00139	.000669	.00137	.000659	
327	8.0	.5	1.1	.96379	574.5	.00101	.000486	.00082	.000394	
328	8.0	.0	.6	.97171	575.5	.00069	.000332	.00087	.000418	
329	10.0	1.5	1.1	.97001	576.5	.00101	.000486	.00111	.000534	
330	10.0	1.0	1.6	.95983	572.8	.00139	.000669	.00125	.000601	
331	10.0	.5	1.1	.96888	576.1	.00095	.000457	.00098	.000471	
332	10.0	.0	.6	.97510	577.8	.00072	.000346	.00083	.000399	
333	12.0	1.5	1.1	.97058	576.8	.00102	.000491	.00100	.000481	
334	12.0	1.0	1.6	.96209	575.1	.00147	.000707	.00132	.000635	
335	12.0	.5	1.1	.96888	576.8	.00089	.000428	.00075	.000361	
336	12.0	.0	.6	.97906	580.1	.00087	.000418			
337	14.0	1.5	1.1	.96945	575.5	.00089	.000428	.00077	.000370	
338	14.0	1.0	1.6	.96323	574.5	.00146	.000702	.00137	.000659	
339	14.0	.5	1.1	.97001	577.5	.00089	.000428	.00080	.000385	
340	14.0	.0	.6	.97906	579.8	.00064	.000308			
341	18.0	1.5	1.1	.97171	579.1	.00093	.000447	.00095	.000457	
342	18.0	1.0	1.6	.96549	574.8	.00127	.000611	.00116	.000558	
343	18.0	.5	1.1	.97058	576.8	.00094	.000452	.00090	.000433	
344	18.0	.0	.6	.97680	578.8	.00069	.000332	.00083	.000399	
345	22.0	1.5	1.1	.97284	578.1	.00094	.000452	.00092	.000442	
346	22.0	1.0	1.6	.96549	575.1	.00127	.000611	.00117	.000563	
347	22.0	.5	1.1	.97058	575.8	.00094	.000452	.00077	.000370	
348	22.0	.0	.6	.98020	580.1	.00064	.000308			
349	26.0	1.5	1.1	.97228	578.1	.00094	.000452	.00080	.000385	
350	26.0	1.0	1.6	.96605	575.1	.00127	.000611	.00119	.000572	
351	26.0	.5	1.1	.97114	575.8	.00088	.000423	.00071	.000341	
352	26.0	.0	.6	.98076	580.1	.00056	.000269			
353	30.0	1.5	1.1	.97171	576.8	.00082	.000394	.00076	.000366	
354	30.0	1.0	1.6	.96605	574.5	.00104	.000500	.00096	.000462	
355	30.0	.5	1.1	.97171	576.1	.00077	.000370	.00070	.000337	
356	30.0	.0	.6	.97906	579.5	.00061	.000293			
357	4.0	-6.0	.6	.96718	574.1	.00080	.000385			
359	12.0	-6.0	.6	.99886	712.1	.00313	.001505	.00313	.001505	

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

9. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 0^{o}$ - Continued

(g) M = 4.44; R = 4.56×10^{6}; $T_t = 679^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.93766	571.1	.00188	.000475			.96
2	2.0	.0		.93376	567.5	.00191	.000483			.92
3	2.0	12.0		.93488	568.5	.00172	.000435			.93
4	8.0	.0		.92820	564.1	.00194	.000490			.95
5	9.0	.0		.92987	564.8	.00201	.000508	.00212	.000536	.94
6	10.0	.0		.92987	565.8	.00213	.000538	.00190	.000480	.96
7	11.0	.0		.93989	569.8	.00186	.000470	.00174	.000440	.88
8	11.5	.0		.94267	573.5	.00210	.000531			1.00
46	58.0	.0		.93209	561.8	.00107	.000270			.60
47	58.0	6.0		.93710	567.8	.00145	.000367			.81
48	58.0	12.0		.92096	560.5	.00176	.000445			.98
301	1.0	1.5	1.1	.90538	553.5	.00257	.000650	.00240	.000607	
302	1.0	1.0	1.6	.88646	545.8	.00373	.000943	.00272	.000688	
303	1.0	.5	1.1	.90538	556.1	.00292	.000738	.00291	.000736	
304	1.0	.0	.6	.92597	566.5	.00196	.000495			
305	2.0	1.5	1.1	.91206	555.1	.00209	.000528	.00200	.000506	
306	2.0	1.0	1.6	.89314	549.8	.00370	.000935	.00312	.000789	
307	2.0	.5	1.1	.91317	558.1	.00220	.000556	.00212	.000536	
308	2.0	.0	.6	.92876	561.8	.00139	.000351			
309	3.0	1.5	1.1	.91985	557.5	.00165	.000417	.00165	.000417	
310	3.0	1.0	1.6	.90037	550.8	.00282	.000713	.00189	.000478	
311	3.0	.5	1.1	.92152	558.5	.00164	.000415	.00189	.000478	
312	3.0	.0	.6	.93321	563.5	.00113	.000286			
313	4.0	1.5	1.1	.92876	561.8	.00146	.000369	.00167	.000422	
314	4.0	1.0	1.6	.90872	554.8	.00227	.000574			
315	4.0	.5	1.1	.92430	558.8	.00146	.000369			
316	4.0	.0	.6	.94267	567.1	.00090	.000228			
317	5.0	1.5	1.1	.93154	563.8	.00146	.000369			
318	5.0	1.0	1.6	.91762	559.8	.00214	.000541	.00160	.000404	
319	5.0	.5	1.1	.93098	563.2	.00150	.000379			
321	6.0	1.5	1.1	.94211	570.5	.00165	.000417			
322	6.0	1.0	1.6	.92375	562.1	.00206	.000521			
323	6.0	.5	1.1	.93710	567.5	.00162	.000410	.00180	.000455	
324	6.0	.0	.6	.94601	571.1	.00115	.000291			
325	8.0	1.5	1.1	.94156	570.1	.00156	.000394	.00144	.000364	
326	8.0	1.0	1.6	.93376	569.5	.00228	.000576	.00240	.000607	
327	8.0	.5	1.1	.93933	567.8	.00163	.000412			
328	8.0	.0	.6	.95269	574.1	.00131	.000331			
329	10.0	1.5	1.1	.95046	577.1	.00135	.000341	.00154	.000389	
330	10.0	1.0	1.6	.93710	571.1	.00217	.000549	.00206	.000521	
331	10.0	.5	1.1	.94768	573.1	.00141	.000356	.00133	.000336	
332	10.0	.0	.6	.95603	576.8	.00085	.000215	.00111	.000281	
333	12.0	1.5	1.1	.95213	575.8	.00135	.000341	.00134	.000339	
334	12.0	1.0	1.6	.93989	572.1	.00231	.000584	.00204	.000516	
335	12.0	.5	1.1	.94879	573.1	.00134	.000339			
336	12.0	.0	.6	.96382	580.1	.00100	.000253			
337	14.0	1.5	1.1	.95213	576.5	.00131	.000331	.00111	.000281	
338	14.0	1.0	1.6	.94378	574.1	.00201	.000508	.00192	.000485	
339	14.0	.5	1.1	.95213	577.5	.00131	.000331			
340	14.0	.0	.6	.96271	579.1	.00088	.000222			
341	18.0	1.5	1.1	.95547	576.8	.00114	.000288	.00116	.000293	
342	18.0	1.0	1.6	.94712	574.8	.00166	.000420	.00150	.000379	
343	18.0	.5	1.1	.95436	576.5	.00132	.000334	.00113	.000286	
344	18.0	.0	.6	.96159	579.5	.00075	.000190			
345	22.0	1.5	1.1	.96215	581.1	.00131	.000331	.00136	.000344	
346	22.0	1.0	1.6	.95157	579.1	.00164	.000415	.00158	.000399	
347	22.0	.5	1.1	.95547	575.5	.00104	.000263			
348	22.0	.0	.6	.96660	581.1	.00068	.000172			
349	26.0	1.5	1.1	.95714	577.1	.00102	.000258			
350	26.0	1.0	1.6	.95380	577.8	.00148	.000374	.00165	.000417	
351	26.0	.5	1.1	.95714	576.5	.00102	.000258			
352	26.0	.0	.6	.96771	581.8	.00060	.000152			
353	30.0	1.5	1.1	.95770	577.1	.00105	.000265	.00089	.000225	
354	30.0	1.0	1.6	.95436	580.1	.00135	.000341	.00143	.000361	
355	30.0	.5	1.1	.95881	577.5	.00099	.000250	.00084	.000212	
356	30.0	.0	.6	.96604	580.5	.00065	.000164			
357	4.0	-6.0	.6	.94712	570.5	.00101	.000255			
360	16.0	-6.0	.6	1.00278	671.5	.03248	.008210			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

9. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 0^{o}$ - Continued

(h) $M = 4.44$; $R = 3.24 \times 10^{6}$; $T_t = 678^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94515	569.8	.00125	.000445			.84
2	2.0	.0		.94123	566.8	.00154	.000549			1.04
3	2.0	12.0		.94123	568.5	.00128	.000456			.94
4	8.0	.0		.93507	563.1	.00152	.000542			.92
5	9.0	.0		.93675	564.1	.00155	.000552	.00156	.000556	.96
6	10.0	.0		.93843	566.1	.00135	.000481			.82
7	11.0	.0		.94850	572.1	.00164	.000584	.00169	.000602	1.00
8	11.5	.0		.94906	575.5	.00207	.000738			1.38
43	50.0	-5.0		.98432	586.1	.00029	.000103			.21
44	50.0	.0		.98656	587.5	.00029	.000103			.20
46	58.0	.0		.97145	584.8	.00120	.000428			.93
47	58.0	6.0		.96977	582.5	.00100	.000356			.75
48	58.0	12.0		.93619	566.5	.00165	.000588			1.41
301	1.0	1.5	1.1	.91157	551.5	.00204	.000727	.00195	.000695	
302	1.0	1.0	1.6	.89534	545.1	.00244	.000870			
303	1.0	.5	1.1	.91157	553.8	.00216	.000770	.00220	.000784	
304	1.0	.0	.6	.93004	560.5	.00146	.000520			
305	2.0	1.5	1.1	.91940	555.8	.00140	.000499	.00138	.000492	
306	2.0	1.0	1.6	.90429	550.1	.00220	.000784			
307	2.0	.5	1.1	.92052	555.5	.00148	.000527	.00147	.000524	
308	2.0	.0	.6	.93339	559.8	.00103	.000367			
309	3.0	1.5	1.1	.92724	556.8	.00107	.000381	.00111	.000396	
310	3.0	1.0	1.6	.91101	550.5	.00201	.000716	.00121	.000431	
311	3.0	.5	1.1	.92948	558.1	.00124	.000442			
312	3.0	.0	.6	.93787	562.1	.00077	.000274			
313	4.0	1.5	1.1	.93675	562.5	.00104	.000371			
314	4.0	1.0	1.6	.91884	555.1	.00149	.000531			
315	4.0	.5	1.1	.93227	559.1	.00095	.000339	.00083	.000296	
316	4.0	.0	.6	.94683	566.1	.00058	.000207			
317	5.0	1.5	1.1	.93899	563.5	.00100	.000356			
318	5.0	1.0	1.6	.92780	558.1	.00136	.000485			
319	5.0	.5	1.1	.93899	563.2	.00092	.000328			
321	6.0	1.5	1.1	.95074	571.1	.00103	.000367			
322	6.0	1.0	1.6	.93339	561.5	.00135	.000481			
323	6.0	.5	1.1	.94571	567.8	.00104	.000371			
324	6.0	.0	.6	.95242	570.5	.00075	.000267			
325	8.0	1.5	1.1	.94962	569.8	.00102	.000363	.00084	.000299	
326	8.0	1.0	1.6	.94347	569.5	.00136	.000485	.00143	.000510	
327	8.0	.5	1.1	.94850	568.5	.00099	.000353			
328	8.0	.0	.6	.95914	573.8	.00067	.000239			
329	10.0	1.5	1.1	.95746	574.1	.00090	.000321	.00110	.000392	
330	10.0	1.0	1.6	.94627	570.8	.00135	.000481			
331	10.0	.5	1.1	.95634	574.1	.00081	.000289	.00085	.000303	
332	10.0	.0	.6	.96194	575.1	.00064	.000228	.00078	.000278	
333	12.0	1.5	1.1	.95802	576.1	.00098	.000349	.00090	.000321	
334	12.0	1.0	1.6	.94850	571.5	.00133	.000474			
335	12.0	.5	1.1	.95578	572.5	.00090	.000321			
336	12.0	.0	.6	.96809	578.8	.00061	.000217			
337	14.0	1.5	1.1	.95746	573.8	.00081	.000289	.00076	.000271	
338	14.0	1.0	1.6	.95074	573.1	.00142	.000506	.00125	.000445	
339	14.0	.5	1.1	.95858	574.1	.00090	.000321	.00086	.000306	
340	14.0	.0	.6	.96641	577.5	.00055	.000196			
341	18.0	1.5	1.1	.96194	576.8	.00076	.000271	.00075	.000267	
342	18.0	1.0	1.6	.95522	574.5	.00104	.000371			
343	18.0	.5	1.1	.96138	575.5	.00069	.000246	.00063	.000225	
344	18.0	.0	.6	.96809	578.1	.00073	.000260			
345	22.0	1.5	1.1	.96641	579.5	.00075	.000267			
346	22.0	1.0	1.6	.95802	575.5	.00130	.000463	.00118	.000421	
347	22.0	.5	1.1	.96026	574.5	.00075	.000267			
348	22.0	.0	.6	.96977	579.1	.00049	.000175			
349	26.0	1.5	1.1	.96138	575.5	.00075	.000267			
350	26.0	1.0	1.6	.95970	576.5	.00102	.000363	.00110	.000392	
351	26.0	.5	1.1	.96194	575.1	.00074	.000264			
352	26.0	.0	.6	.96977	579.1	.00041	.000146			
353	30.0	1.5	1.1	.96194	575.5	.00065	.000232	.00050	.000178	
354	30.0	1.0	1.6	.95970	576.1	.00102	.000363	.00103	.000367	
355	30.0	.5	1.1	.96306	575.8	.00074	.000264	.00062	.000221	
356	30.0	.0	.6	.96809	578.1	.00055	.000196			
357	4.0	-6.0	.6	.95018	568.5	.00059	.000210			
360	16.0	-6.0	.6	1.00167	664.1	.02530	.009016			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

9. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 0^{o}$ - Concluded

(i) M = 4.44; R = 2.15×10^{6}; $T_t = 679^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95250	572.1	.00094	.000504			.90
2	2.0	.0		.94915	570.1	.00106	.000568			.91
3	2.0	12.0		.94859	570.8	.00099	.000531			.85
4	8.0	.0		.94300	566.1	.00110	.000590			1.09
5	9.0	.0		.94580	567.5	.00109	.000584	.00109	.000584	1.03
6	10.0	.0		.94803	568.8	.00106	.000568	.00094	.000504	1.05
7	11.0	.0		.95641	576.8	.00144	.000772	.00179	.000959	1.44
8	11.5	.0		.95641	577.5	.00168	.000900			1.66
46	58.0	.0		.97597	587.1	.00080	.000429			.91
47	58.0	6.0		.97373	583.1	.00064	.000343			.72
48	58.0	12.0		.94412	568.5	.00116	.000622			1.36
301	1.0	1.5	1.1	.92065	554.8	.00151	.000809	.00130	.000697	
302	1.0	1.0	1.6	.90669	548.8	.00153	.000820			
303	1.0	.5	1.1	.92065	556.5	.00149	.000799	.00151	.000809	
304	1.0	.0	.6	.93630	562.8	.00115	.000616			
305	2.0	1.5	1.1	.92848	558.1	.00097	.000520	.00090	.000482	
306	2.0	1.0	1.6	.91674	553.1	.00151	.000809			
307	2.0	.5	1.1	.93071	558.5	.00117	.000627	.00121	.000648	
308	2.0	.0	.6	.94021	562.8	.00061	.000327			
309	3.0	1.5	1.1	.93686	561.5	.00072	.000386	.00079	.000423	
310	3.0	1.0	1.6	.92401	555.5	.00116	.000622			
311	3.0	.5	1.1	.94021	563.8	.00082	.000439			
312	3.0	.0	.6	.94524	564.8	.00048	.000257	.00067	.000359	
313	4.0	1.5	1.1	.94747	567.5	.00063	.000338			
314	4.0	1.0	1.6	.93239	560.1	.00101	.000541			
315	4.0	.5	1.1	.94300	564.1	.00060	.000322	.00044	.000236	
316	4.0	.0	.6	.95418	569.8	.00038	.000204			
317	5.0	1.5	1.1	.94915	568.2	.00058	.000311			
318	5.0	1.0	1.6	.94077	564.1	.00083	.000445	.00049	.000263	
319	5.0	.5	1.1	.94915	568.2	.00083	.000445			
321	6.0	1.5	1.1	.96088	575.8	.00062	.000332			
322	6.0	1.0	1.6	.94636	567.1	.00076	.000407			
323	6.0	.5	1.1	.95697	573.8	.00082	.000439			
324	6.0	.0	.6	.96088	574.5	.00052	.000279			
325	8.0	1.5	1.1	.95977	574.8	.00068	.000364	.00050	.000268	
326	8.0	1.0	1.6	.95641	574.8	.00082	.000439	.00082	.000439	
327	8.0	.5	1.1	.95977	574.1	.00066	.000354			
328	8.0	.0	.6	.96759	578.1	.00052	.000279			
329	10.0	1.5	1.1	.96759	578.8	.00055	.000295	.00073	.000391	
330	10.0	1.0	1.6	.95921	575.1	.00088	.000472	.00057	.000305	
331	10.0	.5	1.1	.96647	578.1	.00081	.000434	.00092	.000493	
333	12.0	1.5	1.1	.96759	579.1	.00081	.000434	.00080	.000429	
334	12.0	1.0	1.6	.96032	576.5	.00093	.000498	.00069	.000370	
335	12.0	.5	1.1	.96591	577.5	.00053	.000284			
336	12.0	.0	.6	.97485	582.5	.00048	.000257			
337	14.0	1.5	1.1	.96647	577.8	.00053	.000284			
338	14.0	1.0	1.6	.96200	576.8	.00082	.000439	.00068	.000364	
339	14.0	.5	1.1	.96815	578.8	.00059	.000316	.00058	.000311	
341	18.0	1.5	1.1	.97038	580.5	.00058	.000311	.00054	.000289	
342	18.0	1.0	1.6	.96647	578.8	.00065	.000348	.00050	.000268	
343	18.0	.5	1.1	.97094	580.5	.00053	.000284	.00051	.000273	
344	18.0	.0	.6	.97597	582.5	.00045	.000241			
345	22.0	1.5	1.1	.97485	582.8	.00047	.000252			
346	22.0	1.0	1.6	.96759	580.1	.00073	.000391	.00062	.000332	
347	22.0	.5	1.1	.96871	578.8	.00052	.000279			
348	22.0	.0	.6	.97597	582.5	.00036	.000193			
349	26.0	1.5	1.1	.96871	579.1	.00044	.000236			
350	26.0	1.0	1.6	.96926	580.5	.00066	.000354	.00076	.000407	
351	26.0	.5	1.1	.97038	579.8	.00047	.000252			
352	26.0	.0	.6	.97541	582.1	.00032	.000171			
353	30.0	1.5	1.1	.96871	579.1	.00047	.000252			
354	30.0	1.0	1.6	.96871	579.8	.00081	.000434	.00083	.000445	
355	30.0	.5	1.1	.97038	579.8	.00039	.000209	.00033	.000177	
356	30.0	.0	.6	.97373	581.1	.00032	.000171			
357	4.0	-6.0	.6	.95753	572.1	.00051	.000273			
360	16.0	-6.0	.6	1.00111	654.5	.03120	.016721			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

10. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 5^{\circ}$

(a) M = 2.65; R = 3.91×10^6; $T_t = 712^{\circ}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94142	584.8	.00554	.000784			1.01
2	2.0	.0		.93811	584.5	.00568	.000803			.98
3	2.0	12.0		.93921	585.5	.00564	.000798			.97
4	8.0	.0		.93645	583.1	.00568	.000803			.99
5	9.0	.0		.93645	583.5	.00573	.000810	.00571	.000808	.99
6	10.0	.0		.93866	584.5	.00574	.000812	.00548	.000775	.99
7	11.0	.0		.94750	596.1	.00749	.001059	.00773	.001093	1.30
8	11.5	.0		.95192	598.8	.00704	.000996			1.24
10	12.0	3.0		.95634	599.1	.00625	.000884			1.06
11	12.0	5.0		.95358	599.1	.00699	.000989			1.19
24	14.0	-12.0		.94363	588.1	.00606	.000857			1.10
42	50.0	-8.0		.97071	589.8	.00149	.000211			.27
43	50.0	-5.0		.97679	593.8	.00157	.000222			.28
44	50.0	.0		.98618	595.8	.00058	.000082			.11
45	50.0	6.0		.99834	601.5	.00020	.000028			.04
46	58.0	.0		.93203	577.5	.00481	.000680			.86
47	58.0	6.0		.91987	574.1	.00609	.000861			1.04
48	58.0	12.0		.93092	581.8	.00621	.000878			1.07
301	1.0	1.5	1.1	.92816	582.5	.00555	.000785	.00538	.000761	
302	1.0	1.0	1.6	.91158	580.1	.00773	.001093	.00737	.001042	
303	1.0	.5	1.1	.92650	587.5	.00598	.000846	.00590	.000834	
304	1.0	.0	.6	.94363	585.8	.00431	.000610	.00485	.000686	
305	2.0	1.5	1.1	.93037	579.1	.00537	.000760	.00531	.000751	
306	2.0	1.0	1.6	.91435	575.5	.00756	.001069	.00716	.001013	
307	2.0	.5	1.1	.93203	580.5	.00556	.000786	.00554	.000784	
308	2.0	.0	.6	.94695	587.8	.00384	.000543	.00423	.000598	
309	3.0	1.5	1.1	.93424	578.5	.00436	.000617	.00431	.000610	
310	3.0	1.0	1.6	.91987	575.1	.00640	.000905	.00593	.000839	
311	3.0	.5	1.1	.93369	583.5	.00609	.000861	.00633	.000895	
312	3.0	.0	.6	.94916	587.1	.00431	.000610	.00484	.000685	
313	4.0	1.5	1.1	.93700	582.1	.00487	.000689	.00501	.000709	
314	4.0	1.0	1.6	.91987	575.8	.00570	.000806	.00589	.000833	
315	4.0	.5	1.1	.93203	581.5	.00563	.000796	.00559	.000791	
316	4.0	.0	.6	.95082	587.1	.00381	.000539			
317	5.0	1.5	1.1	.93756	581.8	.00483	.000683			
318	5.0	1.0	1.6	.92429	577.8	.00615	.000870	.00587	.000830	
319	5.0	.5	1.1	.93369	581.2	.00505	.000714			
321	6.0	1.5	1.1	.94198	583.5	.00456	.000645	.00466	.000659	
322	6.0	1.0	1.6	.92650	578.8	.00592	.000837	.00551	.000779	
323	6.0	.5	1.1	.93700	584.1	.00558	.000789	.00572	.000809	
324	6.0	.0	.6	.94916	586.5	.00409	.000578			
325	8.0	1.5	1.1	.94308	587.1	.00432	.000611	.00436	.000617	
326	8.0	1.0	1.6	.93037	580.1	.00562	.000795	.00536	.000758	
327	8.0	.5	1.1	.93811	582.8	.00486	.000687	.00479	.000677	
328	8.0	.0	.6	.95137	586.8	.00385	.000545	.00412	.000583	
329	10.0	1.5	1.1	.94640	588.1	.00400	.000566	.00409	.000578	
330	10.0	1.0	1.6	.93092	581.1	.00587	.000830	.00558	.000789	
331	10.0	.5	1.1	.94087	587.1	.00452	.000639	.00452	.000639	
332	10.0	.0	.6	.95192	595.8	.00309	.000437	.00326	.000461	
333	12.0	1.5	1.1	.94695	586.1	.00434	.000614	.00443	.000627	
334	12.0	1.0	1.6	.93203	588.5	.00527	.000745	.00502	.000710	
335	12.0	.5	1.1	.93921	583.1	.00483	.000683	.00466	.000659	
336	12.0	.0	.6	.95579	591.1	.00335	.000474	.00370	.000523	
337	14.0	1.5	1.1	.94529	586.1	.00370	.000523	.00361	.000511	
338	14.0	1.0	1.6	.93203	581.1	.00561	.000793	.00539	.000762	
339	14.0	.5	1.1	.93866	584.8	.00509	.000720	.00503	.000711	
340	14.0	.0	.6	.95524	590.1	.00321	.000454	.00356	.000504	
341	18.0	1.5	1.1	.94640	584.5	.00390	.000552	.00406	.000574	
342	18.0	1.0	1.6	.93313	584.1	.00505	.000714	.00483	.000683	
343	18.0	.5	1.1	.93700	581.8	.00485	.000686	.00478	.000676	
344	18.0	.0	.6	.95026	586.5	.00308	.000436	.00316	.000447	
345	22.0	1.5	1.1	.94750	584.8	.00387	.000547	.00397	.000561	
346	22.0	1.0	1.6	.93424	581.5	.00515	.000728	.00504	.000713	
347	22.0	.5	1.1	.93756	580.5	.00438	.000619	.00415	.000587	
348	22.0	.0	.6	.95413	585.5	.00279	.000395	.00300	.000424	
349	26.0	1.5	1.1	.94584	585.1	.00340	.000481	.00325	.000460	
350	26.0	1.0	1.6	.93756	582.1	.00484	.000685	.00474	.000670	
351	26.0	.5	1.1	.94308	583.5	.00434	.000614	.00425	.000601	
352	26.0	.0	.6	.95690	586.8	.00264	.000373	.00289	.000409	
353	30.0	1.5	1.1	.94805	586.8	.00351	.000496	.00336	.000475	
354	30.0	1.0	1.6	.93811	584.8	.00557	.000788	.00554	.000784	
355	30.0	.5	1.1	.94474	591.1	.00413	.000584	.00407	.000576	
356	30.0	.0	.6	.95634	587.1	.00300	.000424	.00321	.000454	
357	4.0	-6.0	.6	.95247	592.5	.00413	.000584			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

10. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 5^{\circ}$ - Continued

(b) M = 2.65; R = 2.53×10^6; $T_t = 710^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94988	582.1	.00376	.000824			.97
2	2.0	.0		.94598	580.8	.00376	.000824			.97
3	2.0	12.0		.94765	581.8	.00375	.000822			.97
4	8.0	.0		.94264	578.8	.00378	.000828			.96
5	9.0	.0		.94319	579.1	.00392	.000859	.00388	.000850	1.00
6	10.0	.0		.94709	581.1	.00385	.000844	.00367	.000804	.98
7	11.0	.0		.95433	591.1	.00518	.001135	.00538	.001179	1.32
8	11.5	.0		.95823	593.2	.00515	.001128			1.31
10	12.0	3.0		.96324	594.1	.00407	.000892			1.03
11	12.0	5.0		.95990	593.8	.00464	.001017			1.17
24	14.0	-12.0		.94932	583.1	.00425	.000931			1.15
42	50.0	-8.0		.98329	591.1	.00100	.000219			.26
43	50.0	-5.0		.99053	595.5	.00087	.000191			.23
44	50.0	.0		1.00055	599.5	.00047	.000103			.13
46	58.0	.0		.94152	575.5	.00328	.000719			.86
47	58.0	6.0		.93150	572.8	.00413	.000905			1.01
48	58.0	12.0		.93651	577.1	.00438	.000960			1.11
301	1.0	1.5	1.1	.93317	572.5	.00368	.000806	.00371	.000813	
302	1.0	1.0	1.6	.91758	573.5	.00519	.001137	.00494	.001082	
303	1.0	.5	1.1	.93094	573.1	.00418	.000916	.00406	.000890	
304	1.0	.0	.6	.95043	581.8	.00299	.000655	.00353	.000773	
305	2.0	1.5	1.1	.93763	577.1	.00338	.000741	.00331	.000725	
306	2.0	1.0	1.6	.92259	574.1	.00462	.001012	.00427	.000936	
307	2.0	.5	1.1	.93818	578.5	.00353	.000773	.00350	.000767	
308	2.0	.0	.6	.95322	584.5	.00245	.000537	.00286	.000627	
309	3.0	1.5	1.1	.94264	575.5	.00300	.000657	.00282	.000618	
310	3.0	1.0	1.6	.92872	574.8	.00404	.000885	.00358	.000784	
311	3.0	.5	1.1	.94152	579.1	.00357	.000782	.00374	.000819	
312	3.0	.0	.6	.95600	583.5	.00262	.000574	.00311	.000681	
313	4.0	1.5	1.1	.94598	579.1	.00309	.000677	.00324	.000710	
314	4.0	1.0	1.6	.92927	575.5	.00406	.000890	.00358	.000784	
315	4.0	.5	1.1	.93985	580.1	.00342	.000749	.00343	.000752	
316	4.0	.0	.6	.95823	583.8	.00257	.000563			
317	5.0	1.5	1.1	.94654	578.8	.00305	.000668			
318	5.0	1.0	1.6	.93373	574.5	.00394	.000863	.00368	.000806	
319	5.0	.5	1.1	.94264	577.8	.00336	.000736			
321	6.0	1.5	1.1	.95099	580.5	.00298	.000653	.00308	.000675	
322	6.0	1.0	1.6	.93540	578.5	.00388	.000850	.00349	.000765	
323	6.0	.5	1.1	.94542	580.5	.00367	.000804	.00378	.000828	
324	6.0	.0	.6	.95712	583.5	.00247	.000541			
325	8.0	1.5	1.1	.95155	581.1	.00299	.000655	.00303	.000664	
326	8.0	1.0	1.6	.93930	579.5	.00355	.000778	.00328	.000719	
327	8.0	.5	1.1	.94654	581.8	.00307	.000673	.00298	.000653	
328	8.0	.0	.6	.95990	584.1	.00255	.000559	.00283	.000620	
329	10.0	1.5	1.1	.95433	582.5	.00279	.000611	.00289	.000633	
330	10.0	1.0	1.6	.93985	580.5	.00370	.000811	.00339	.000743	
331	10.0	.5	1.1	.94876	583.1	.00306	.000670	.00304	.000666	
332	10.0	.0	.6	.96101	584.5	.00235	.000515	.00256	.000561	
333	12.0	1.5	1.1	.95545	583.5	.00275	.000603	.00278	.000609	
334	12.0	1.0	1.6	.94097	580.8	.00355	.000778	.00329	.000721	
335	12.0	.5	1.1	.94765	582.1	.00294	.000644	.00273	.000598	
336	12.0	.0	.6	.96491	586.8	.00218	.000478	.00256	.000561	
337	14.0	1.5	1.1	.95377	580.8	.00258	.000565	.00251	.000550	
338	14.0	1.0	1.6	.94041	577.8	.00370	.000811	.00349	.000765	
339	14.0	.5	1.1	.94709	582.8	.00309	.000677	.00297	.000651	
340	14.0	.0	.6	.96491	585.8	.00195	.000427	.00234	.000513	
341	18.0	1.5	1.1	.95545	582.1	.00242	.000530	.00254	.000557	
342	18.0	1.0	1.6	.94208	578.1	.00348	.000762	.00329	.000721	
343	18.0	.5	1.1	.94654	581.8	.00307	.000673	.00298	.000653	
344	18.0	.0	.6	.95990	584.5	.00200	.000438	.00220	.000482	
345	22.0	1.5	1.1	.95712	582.8	.00233	.000510	.00240	.000526	
346	22.0	1.0	1.6	.94375	581.5	.00326	.000714	.00313	.000686	
347	22.0	.5	1.1	.94821	580.8	.00265	.000581	.00241	.000528	
348	22.0	.0	.6	.96436	584.5	.00196	.000429	.00212	.000464	
349	26.0	1.5	1.1	.95600	583.1	.00220	.000482	.00205	.000449	
350	26.0	1.0	1.6	.94765	582.8	.00321	.000703	.00310	.000679	
351	26.0	.5	1.1	.95377	584.1	.00263	.000576	.00253	.000554	
352	26.0	.0	.6	.96825	586.5	.00177	.000388	.00211	.000462	
353	30.0	1.5	1.1	.95823	583.1	.00231	.000506	.00227	.000497	
354	30.0	1.0	1.6	.94765	582.8	.00388	.000850	.00380	.000833	
355	30.0	.5	1.1	.95433	585.8	.00291	.000638	.00283	.000620	
356	30.0	.0	.6	.96714	586.5	.00196	.000429	.00211	.000462	
357	4.0	-6.0	.6	.96046	586.1	.00277	.000607			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

10. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 5^{o}$ - Continued

(c) M = 2.65; R = 1.28×10^{6}; $T_t = 711^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.96614	587.8	.00206	.000892			.96
2	2.0	.0		.96225	586.1	.00210	.000909			.97
3	2.0	12.0		.96336	586.8	.00215	.000931			1.00
4	8.0	.0		.95670	582.5	.00211	.000914			.95
5	9.0	.0		.95781	583.1	.00204	.000883	.00198	.000857	.95
6	10.0	.0		.96281	586.8	.00232	.001004	.00224	.000970	1.02
7	11.0	.0		.96947	594.1	.00297	.001286	.00308	.001334	1.36
8	11.5	.0		.97446	595.8	.00277	.001199			1.26
10	12.0	3.0		.97946	597.5	.00219	.000948			.94
11	12.0	5.0		.97613	598.5	.00259	.001121			1.19
42	50.0	-8.0		1.00111	602.1	.00051	.000221			.24
43	50.0	-5.0		1.00943	606.5	.00049	.000212			.24
46	58.0	.0		.96392	584.5	.00161	.000697			.76
47	58.0	6.0		.95337	581.1	.00233	.001009			1.04
48	58.0	12.0		.94949	579.1	.00236	.001022			1.10
301	1.0	1.5	1.1	.95615	581.5	.00181	.000784	.00171	.000740	
302	1.0	1.0	1.6	.94061	575.8	.00289	.001251	.00257	.001113	
303	1.0	.5	1.1	.95337	582.1	.00205	.000888	.00202	.000875	
304	1.0	.0	.6	.97002	586.8	.00141	.000610	.00188	.000814	
305	2.0	1.5	1.1	.96225	585.1	.00169	.000732	.00162	.000701	
306	2.0	1.0	1.6	.94893	579.5	.00245	.001061	.00213	.000922	
307	2.0	.5	1.1	.96281	585.8	.00169	.000732	.00167	.000723	
308	2.0	.0	.6	.97613	589.8	.00122	.000528	.00156	.000675	
309	3.0	1.5	1.1	.97002	590.5	.00134	.000580	.00122	.000528	
310	3.0	1.0	1.6	.95670	584.1	.00209	.000905	.00172	.000745	
311	3.0	.5	1.1	.96780	588.5	.00200	.000866	.00211	.000914	
312	3.0	.0	.6	.98057	593.1	.00113	.000489	.00161	.000697	
313	4.0	1.5	1.1	.97391	590.5	.00159	.000688	.00168	.000727	
314	4.0	1.0	1.6	.95892	583.8	.00220	.000953	.00182	.000788	
315	4.0	.5	1.1	.96836	588.1	.00172	.000745	.00161	.000697	
316	4.0	.0	.6	.98390	594.8	.00115	.000498			
317	5.0	1.5	1.1	.97502	591.2	.00146	.000632			
318	5.0	1.0	1.6	.96392	585.8	.00199	.000862	.00171	.000740	
319	5.0	.5	1.1	.97113	589.2	.00167	.000723			
321	6.0	1.5	1.1	.98057	593.5	.00135	.000585	.00152	.000658	
322	6.0	1.0	1.6	.96669	589.1	.00182	.000788	.00147	.000636	
323	6.0	.5	1.1	.97446	591.8	.00178	.000771	.00184	.000797	
324	6.0	.0	.6	.98390	595.1	.00127	.000550			
325	8.0	1.5	1.1	.98057	595.1	.00141	.000610	.00148	.000641	
326	8.0	1.0	1.6	.97113	589.8	.00171	.000740	.00157	.000680	
327	8.0	.5	1.1	.97668	593.5	.00154	.000667	.00148	.000641	
328	8.0	.0	.6	.98667	596.1	.00121	.000524	.00142	.000615	
329	10.0	1.5	1.1	.98279	595.1	.00133	.000576	.00145	.000628	
330	10.0	1.0	1.6	.97058	591.5	.00181	.000784	.00150	.000649	
331	10.0	.5	1.1	.97890	593.5	.00158	.000684	.00159	.000688	
332	10.0	.0	.6	.98778	597.5	.00103	.000446	.00120	.000520	
333	12.0	1.5	1.1	.98390	595.5	.00139	.000602	.00147	.000636	
334	12.0	1.0	1.6	.97169	590.5	.00172	.000745	.00155	.000671	
335	12.0	.5	1.1	.97724	592.5	.00159	.000688	.00145	.000628	
336	12.0	.0	.6	.99056	598.5	.00120	.000520	.00151	.000654	
337	14.0	1.5	1.1	.98223	594.8	.00115	.000498	.00113	.000489	
338	14.0	1.0	1.6	.97113	590.1	.00171	.000740	.00157	.000680	
339	14.0	.5	1.1	.97668	595.1	.00152	.000658	.00142	.000615	
340	14.0	.0	.6	.99000	597.8	.00095	.000411	.00125	.000541	
341	18.0	1.5	1.1	.98390	596.1	.00122	.000528	.00136	.000589	
342	18.0	1.0	1.6	.97335	592.5	.00168	.000727	.00148	.000641	
343	18.0	.5	1.1	.97779	593.8	.00153	.000662	.00146	.000632	
344	18.0	.0	.6	.98834	596.1	.00096	.000416	.00111	.000481	
345	22.0	1.5	1.1	.98612	597.1	.00115	.000498	.00121	.000524	
346	22.0	1.0	1.6	.97502	593.8	.00180	.000779	.00165	.000714	
347	22.0	.5	1.1	.97890	592.8	.00128	.000554	.00123	.000533	
348	22.0	.0	.6	.99167	598.1	.00089	.000385	.00116	.000502	
349	26.0	1.5	1.1	.98612	596.5	.00103	.000446	.00091	.000394	
350	26.0	1.0	1.6	.97835	595.8	.00167	.000723	.00156	.000675	
351	26.0	.5	1.1	.98445	596.1	.00132	.000572	.00125	.000541	
352	26.0	.0	.6	.99555	600.1	.00085	.000368	.00116	.000502	
353	30.0	1.5	1.1	.98723	596.8	.00127	.000550	.00117	.000507	
354	30.0	1.0	1.6	.97835	595.5	.00198	.000857	.00187	.000810	
355	30.0	.5	1.1	.98445	596.8	.00157	.000680	.00151	.000654	
356	30.0	.0	.6	.99333	600.5	.00102	.000442	.00123	.000533	
357	4.0	-6.0	.6	.98501	596.5	.00140	.000606			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

10. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 5^{o}$ - Continued

(d) M = 3.51; R = 3.98×10^{6}; $T_t = 711^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94789	577.5	.00285	.000555			.91
2	2.0	.0		.94284	574.5	.00297	.000578			.91
3	2.0	12.0		.94396	574.1	.00291	.000567			.91
4	8.0	.0		.93668	571.1	.00291	.000567			.89
5	9.0	.0		.93668	571.1	.00305	.000594	.00304	.000592	.93
6	10.0	.0		.93780	571.5	.00298	.000580	.00289	.000563	.93
7	11.0	.0		.94565	576.1	.00311	.000606	.00283	.000551	.95
8	11.5	.0		.95013	583.8	.00383	.000746			1.15
10	12.0	3.0		.95685	588.8	.00339	.000660			1.02
11	12.0	5.0		.95293	587.8	.00358	.000697			1.09
24	14.0	-12.0		.94284	576.1	.00331	.000644			1.05
42	50.0	-8.0		1.00000	596.8	.00062	.000121			.19
43	50.0	-5.0		1.00447	599.8	.00060	.000117			.20
44	50.0	.0		1.01791	605.1	.00021	.000041			.07
46	58.0	.0		.94621	573.8	.00239	.000465			.77
47	58.0	6.0		.93612	567.8	.00254	.000495			.80
48	58.0	12.0		.92604	565.1	.00340	.000662			1.06
301	1.0	1.5	1.1	.91707	560.1	.00330	.000643	.00312	.000607	
302	1.0	1.0	1.6	.89410	557.5	.00459	.000894	.00395	.000769	
303	1.0	.5	1.1	.91427	563.8	.00425	.000828	.00429	.000835	
304	1.0	.0	.6	.94284	571.5	.00253	.000493	.00319	.000621	
305	2.0	1.5	1.1	.92379	567.8	.00281	.000547	.00287	.000559	
306	2.0	1.0	1.6	.90026	556.1	.00455	.000886	.00407	.000792	
307	2.0	.5	1.1	.92155	562.5	.00308	.000600	.00297	.000578	
308	2.0	.0	.6	.94228	570.5	.00192	.000374	.00240	.000467	
309	3.0	1.5	1.1	.92828	566.1	.00252	.000491	.00250	.000487	
310	3.0	1.0	1.6	.90867	556.1	.00321	.000625	.00295	.000574	
311	3.0	.5	1.1	.92940	569.1	.00230	.000448	.00207	.000403	
312	3.0	.0	.6	.94845	571.8	.00163	.000317	.00211	.000411	
313	4.0	1.5	1.1	.93332	569.5	.00228	.000444	.00202	.000393	
314	4.0	1.0	1.6	.91315	559.1	.00354	.000689	.00294	.000572	
315	4.0	.5	1.1	.93052	568.8	.00291	.000567	.00309	.000602	
316	4.0	.0	.6	.95349	576.5	.00185	.000360			
317	5.0	1.5	1.1	.93780	569.5	.00249	.000485			
318	5.0	1.0	1.6	.91819	565.5	.00320	.000623	.00286	.000557	
319	5.0	.5	1.1	.93164	567.5	.00285	.000555			
321	6.0	1.5	1.1	.94340	576.5	.00232	.000452	.00251	.000489	
322	6.0	1.0	1.6	.92323	565.1	.00350	.000681	.00307	.000598	
323	6.0	.5	1.1	.93668	570.1	.00265	.000516	.00263	.000512	
324	6.0	.0	.6	.95293	576.1	.00182	.000354			
325	8.0	1.5	1.1	.94565	573.8	.00258	.000502	.00254	.000495	
326	8.0	1.0	1.6	.93220	569.1	.00324	.000631	.00295	.000574	
327	8.0	.5	1.1	.94284	573.1	.00245	.000477	.00240	.000467	
328	8.0	.0	.6	.95853	579.1	.00184	.000358	.00215	.000419	
329	10.0	1.5	1.1	.95125	578.1	.00219	.000426	.00224	.000436	
330	10.0	1.0	1.6	.93444	571.1	.00325	.000633	.00294	.000572	
331	10.0	.5	1.1	.94677	574.8	.00242	.000471	.00237	.000461	
332	10.0	.0	.6	.96133	581.5	.00168	.000327	.00199	.000387	
333	12.0	1.5	1.1	.95293	577.8	.00239	.000465	.00240	.000467	
334	12.0	1.0	1.6	.93780	572.1	.00302	.000588	.00270	.000526	
335	12.0	.5	1.1	.94845	575.8	.00242	.000471	.00229	.000446	
336	12.0	.0	.6	.96806	583.8	.00166	.000323	.00214	.000417	
337	14.0	1.5	1.1	.95293	577.8	.00205	.000399	.00188	.000366	
338	14.0	1.0	1.6	.93892	572.8	.00302	.000588	.00277	.000539	
339	14.0	.5	1.1	.94901	576.8	.00227	.000442	.00216	.000421	
340	14.0	.0	.6	.96918	583.8	.00146	.000284	.00194	.000378	
341	18.0	1.5	1.1	.95629	580.1	.00205	.000399	.00212	.000413	
342	18.0	1.0	1.6	.94228	575.8	.00263	.000512	.00238	.000463	
343	18.0	.5	1.1	.94845	576.1	.00243	.000473	.00234	.000456	
344	18.0	.0	.6	.96470	581.1	.00151	.000294	.00175	.000341	
345	22.0	1.5	1.1	.95685	580.1	.00192	.000374	.00197	.000384	
346	22.0	1.0	1.6	.93948	575.1	.00266	.000518	.00244	.000475	
347	22.0	.5	1.1	.94565	573.5	.00223	.000434	.00196	.000382	
348	22.0	.0	.6	.96750	582.5	.00154	.000300	.00192	.000374	
349	26.0	1.5	1.1	.95405	579.5	.00181	.000352	.00170	.000331	
350	26.0	1.0	1.6	.94060	575.5	.00265	.000516	.00250	.000487	
351	26.0	.5	1.1	.94845	576.1	.00208	.000405	.00183	.000356	
352	26.0	.0	.6	.96918	583.5	.00124	.000241	.00178	.000347	
353	30.0	1.5	1.1	.95461	576.5	.00184	.000358	.00175	.000341	
354	30.0	1.0	1.6	.94453	574.5	.00249	.000485	.00245	.000477	
355	30.0	.5	1.1	.95349	578.8	.00206	.000401	.00199	.000387	
356	30.0	.0	.6	.96806	581.5	.00124	.000241	.00154	.000300	
357	4.0	-6.0	.6	.95741	579.8	.00190	.000370			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

10. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 5^{o}$ - Continued

(e) $M = 3.51$; $R = 2.78 \times 10^{6}$; $T_t = 707^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95602	575.1	.00214	.000598			.96
2	2.0	.0		.95095	572.8	.00215	.000601			.93
3	2.0	12.0		.95207	572.8	.00213	.000596			.94
4	8.0	.0		.94305	568.1	.00231	.000646			.99
5	9.0	.0		.94362	568.1	.00229	.000640	.00226	.000632	.98
6	10.0	.0		.94587	569.5	.00220	.000615	.00216	.000604	.96
7	11.0	.0		.95377	577.1	.00285	.000797	.00281	.000786	1.23
8	11.5	.0		.95771	581.8	.00305	.000853			1.31
10	12.0	3.0		.96391	585.5	.00263	.000735			1.07
11	12.0	5.0		.96053	587.1	.00283	.000791			1.23
24	14.0	-12.0		.94700	571.1	.00281	.000786			1.25
42	50.0	-8.0		1.00507	595.1	.00040	.000112			.19
43	50.0	-5.0		1.01127	599.1	.00045	.000126			.22
44	50.0	.0		1.02480	605.1	.00017	.000048			.08
46	58.0	.0		.95377	572.1	.00188	.000526			.82
47	58.0	6.0		.94531	567.5	.00195	.000545			.85
48	58.0	12.0		.93234	563.5	.00268	.000749			1.20
301	1.0	1.5	1.1	.92614	561.8	.00229	.000640	.00213	.000596	
302	1.0	1.0	1.6	.90528	554.5	.00343	.000959	.00284	.000794	
303	1.0	.5	1.1	.92276	565.1	.00288	.000805	.00294	.000822	
304	1.0	.0	.6	.94418	568.1	.00200	.000559	.00267	.000747	
305	2.0	1.5	1.1	.93347	561.8	.00212	.000593	.00216	.000604	
306	2.0	1.0	1.6	.91317	555.5	.00285	.000797	.00282	.000789	
307	2.0	.5	1.1	.93178	562.8	.00200	.000559	.00190	.000531	
308	2.0	.0	.6	.95038	568.5	.00152	.000425	.00188	.000526	
309	3.0	1.5	1.1	.94023	563.8	.00169	.000473	.00167	.000467	
310	3.0	1.0	1.6	.92219	556.8	.00255	.000713	.00204	.000570	
311	3.0	.5	1.1	.94023	564.1	.00191	.000534	.00190	.000531	
312	3.0	.0	.6	.95658	571.1	.00121	.000338	.00164	.000459	
313	4.0	1.5	1.1	.94587	566.5	.00163	.000456	.00150	.000419	
314	4.0	1.0	1.6	.92840	564.1	.00230	.000643	.00175	.000489	
315	4.0	.5	1.1	.94249	570.5	.00216	.000604	.00229	.000640	
316	4.0	.0	.6	.96222	575.5	.00134	.000375			
317	5.0	1.5	1.1	.95038	570.2	.00188	.000526			
318	5.0	1.0	1.6	.93403	564.1	.00252	.000705	.00221	.000618	
319	5.0	.5	1.1	.94531	568.5	.00209	.000584			
321	6.0	1.5	1.1	.95602	573.5	.00187	.000523	.00203	.000568	
322	6.0	1.0	1.6	.93911	566.1	.00248	.000693	.00207	.000579	
323	6.0	.5	1.1	.95038	571.5	.00175	.000489	.00177	.000495	
324	6.0	.0	.6	.96391	576.5	.00150	.000419			
325	8.0	1.5	1.1	.95884	576.1	.00171	.000478	.00171	.000478	
326	8.0	1.0	1.6	.94700	571.8	.00212	.000593	.00182	.000509	
327	8.0	.5	1.1	.95602	574.1	.00188	.000526	.00185	.000517	
328	8.0	.0	.6	.96955	579.1	.00120	.000336	.00156	.000436	
329	10.0	1.5	1.1	.96335	576.8	.00167	.000467	.00174	.000487	
330	10.0	1.0	1.6	.94926	571.8	.00227	.000635	.00196	.000548	
331	10.0	.5	1.1	.95997	577.5	.00171	.000478	.00172	.000481	
332	10.0	.0	.6	.97181	580.1	.00124	.000347	.00146	.000408	
333	12.0	1.5	1.1	.96504	580.8	.00153	.000428	.00155	.000433	
334	12.0	1.0	1.6	.95151	574.8	.00212	.000593	.00183	.000512	
335	12.0	.5	1.1	.96053	577.8	.00171	.000478	.00159	.000445	
336	12.0	.0	.6	.97688	583.1	.00109	.000305	.00152	.000425	
337	14.0	1.5	1.1	.96448	576.8	.00149	.000417	.00140	.000391	
338	14.0	1.0	1.6	.95264	575.1	.00211	.000590	.00186	.000520	
339	14.0	.5	1.1	.96053	577.1	.00188	.000526	.00178	.000498	
340	14.0	.0	.6	.97801	583.1	.00108	.000302			
341	18.0	1.5	1.1	.96786	580.1	.00145	.000405	.00151	.000422	
342	18.0	1.0	1.6	.95546	574.5	.00206	.000576	.00185	.000517	
343	18.0	.5	1.1	.96109	576.8	.00187	.000523	.00178	.000498	
344	18.0	.0	.6	.97519	581.5	.00120	.000336	.00136	.000380	
345	22.0	1.5	1.1	.96842	579.1	.00149	.000417	.00156	.000436	
346	22.0	1.0	1.6	.95320	577.1	.00195	.000545	.00173	.000484	
347	22.0	.5	1.1	.95940	576.5	.00145	.000405	.00138	.000386	
348	22.0	.0	.6	.97744	582.1	.00095	.000266	.00128	.000358	
349	26.0	1.5	1.1	.96617	579.8	.00127	.000355	.00113	.000316	
350	26.0	1.0	1.6	.95546	578.5	.00194	.000542	.00182	.000509	
351	26.0	.5	1.1	.96335	578.1	.00158	.000442	.00140	.000391	
352	26.0	.0	.6	.97970	583.1	.00088	.000246			
353	30.0	1.5	1.1	.96786	578.1	.00128	.000358	.00117	.000327	
354	30.0	1.0	1.6	.95997	576.8	.00188	.000526	.00174	.000487	
355	30.0	.5	1.1	.96786	579.5	.00150	.000419	.00148	.000414	
356	30.0	.0	.6	.97914	583.5	.00097	.000271	.00124	.000347	
357	4.0	-6.0	.6	.96617	578.1	.00150	.000419			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

10. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 5^{\circ}$ - Continued

(f) $M = 3.51$; $R = 1.61 \times 10^6$; $T_t = 705^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.97140	583.1	.00125	.000605			.85
2	2.0	.0		.96692	580.8	.00137	.000663			.91
3	2.0	12.0		.96692	580.1	.00134	.000649			.91
4	8.0	.0		.95795	575.5	.00135	.000653			.82
5	9.0	.0		.95907	575.8	.00137	.000663	.00133	.000644	.91
6	10.0	.0		.96299	578.1	.00131	.000634	.00118	.000571	.82
7	11.0	.0		.96916	586.8	.00231	.001118	.00236	.001142	1.54
8	11.5	.0		.97365	588.5	.00213	.001031			1.34
10	12.0	3.0		.97869	591.1	.00172	.000832			1.04
11	12.0	5.0		.97533	592.5	.00188	.000910			1.18
24	14.0	-12.0		.95683	576.5	.00158	.000765			1.05
42	50.0	-8.0		1.01850	606.1	.00032	.000155			.23
43	50.0	-5.0		1.02522	610.1	.00029	.000140			.18
46	58.0	.0		.97084	581.8	.00103	.000498			.75
47	58.0	6.0		.96299	578.5	.00114	.000552			.77
48	58.0	12.0		.94730	570.1	.00168	.000813			1.21
301	1.0	1.5	1.1	.94674	569.8	.00132	.000639	.00123	.000595	
302	1.0	1.0	1.6	.92880	564.8	.00199	.000963	.00141	.000682	
303	1.0	.5	1.1	.94281	569.5	.00174	.000842	.00173	.000837	
304	1.0	.0	.6	.96243	577.5	.00121	.000586	.00175	.000847	
305	2.0	1.5	1.1	.95571	574.1	.00121	.000586	.00111	.000537	
306	2.0	1.0	1.6	.93889	568.8	.00184	.000890	.00146	.000707	
307	2.0	.5	1.1	.95515	574.1	.00122	.000590	.00109	.000528	
308	2.0	.0	.6	.97028	580.1	.00084	.000407	.00126	.000610	
309	3.0	1.5	1.1	.96468	577.1	.00101	.000489	.00103	.000498	
310	3.0	1.0	1.6	.94954	570.8	.00134	.000649	.00095	.000460	
311	3.0	.5	1.1	.96468	577.8	.00097	.000469	.00103	.000498	
312	3.0	.0	.6	.97701	583.5	.00062	.000300			
313	4.0	1.5	1.1	.97084	580.8	.00081	.000392	.00078	.000377	
314	4.0	1.0	1.6	.95627	576.1	.00141	.000682	.00099	.000479	
315	4.0	.5	1.1	.96804	583.1	.00113	.000547	.00118	.000571	
316	4.0	.0	.6	.98374	587.5	.00065	.000315			
317	5.0	1.5	1.1	.97589	584.2	.00090	.000436			
318	5.0	1.0	1.6	.96355	580.1	.00139	.000673	.00111	.000537	
319	5.0	.5	1.1	.97196	582.8	.00119	.000576			
321	6.0	1.5	1.1	.98206	587.8	.00099	.000479	.00115	.000557	
322	6.0	1.0	1.6	.96916	582.8	.00126	.000610			
323	6.0	.5	1.1	.97757	587.8	.00103	.000498	.00106	.000513	
324	6.0	.0	.6	.98766	590.1	.00065	.000315			
325	8.0	1.5	1.1	.98486	589.5	.00091	.000440	.00091	.000440	
326	8.0	1.0	1.6	.97645	585.8	.00119	.000576	.00099	.000479	
327	8.0	.5	1.1	.98318	589.1	.00096	.000465	.00095	.000460	
328	8.0	.0	.6	.99271	592.8	.00064	.000310			
329	10.0	1.5	1.1	.98878	593.1	.00084	.000407	.00089	.000431	
330	10.0	1.0	1.6	.97813	587.1	.00119	.000576	.00093	.000450	
331	10.0	.5	1.1	.98710	591.1	.00091	.000440	.00093	.000450	
332	10.0	.0	.6	.99551	594.8	.00071	.000344	.00086	.000416	
333	12.0	1.5	1.1	.98990	592.5	.00086	.000416	.00087	.000421	
334	12.0	1.0	1.6	.97981	589.5	.00125	.000605	.00103	.000498	
335	12.0	.5	1.1	.98654	591.8	.00100	.000484	.00091	.000440	
336	12.0	.0	.6	.99831	596.1	.00061	.000295			
337	14.0	1.5	1.1	.98934	591.5	.00073	.000353	.00067	.000324	
338	14.0	1.0	1.6	.98037	590.1	.00111	.000537	.00090	.000436	
339	14.0	.5	1.1	.98654	591.1	.00100	.000484	.00095	.000460	
340	14.0	.0	.6	.99831	595.8	.00061	.000295			
341	18.0	1.5	1.1	.99159	593.8	.00085	.000411	.00091	.000440	
342	18.0	1.0	1.6	.98318	589.5	.00118	.000571	.00100	.000484	
343	18.0	.5	1.1	.98766	592.5	.00100	.000484	.00094	.000455	
344	18.0	.0	.6	.99831	595.8	.00057	.000276			
345	22.0	1.5	1.1	.99271	593.5	.00071	.000344	.00075	.000363	
346	22.0	1.0	1.6	.98149	590.5	.00113	.000547	.00095	.000460	
347	22.0	.5	1.1	.98654	590.5	.00099	.000479	.00086	.000416	
348	22.0	.0	.6	.99887	596.1	.00056	.000271			
349	26.0	1.5	1.1	.99159	592.5	.00068	.000329	.00056	.000271	
350	26.0	1.0	1.6	.98374	590.8	.00119	.000576	.00107	.000518	
351	26.0	.5	1.1	.99046	592.8	.00091	.000440	.00082	.000397	
352	26.0	.0	.6	1.00168	597.5	.00050	.000242			
353	30.0	1.5	1.1	.99383	593.8	.00077	.000373	.00067	.000324	
354	30.0	1.0	1.6	.98822	593.1	.00118	.000571	.00108	.000523	
355	30.0	.5	1.1	.99495	595.5	.00086	.000416	.00086	.000416	
356	30.0	.0	.6	1.00224	597.8	.00054	.000261			
357	4.0	-6.0	.6	.98654	590.1	.00073	.000353			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

10. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 5^{o}$ - Continued

(g) $M = 4.44$; $R = 4.48 \times 10^{6}$; $T_t = 685^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94483	579.8	.00205	.000519			1.05
2	2.0	.0		.94262	576.5	.00186	.000471			.89
3	2.0	12.0		.94207	577.5	.00181	.000458			.98
4	8.0	.0		.93490	573.1	.00205	.000519			1.00
5	9.0	.0		.93545	574.5	.00196	.000496	.00193	.000489	.92
6	10.0	.0		.93766	573.5	.00185	.000468	.00172	.000435	.84
7	11.0	.0		.94649	578.1	.00186	.000471	.00163	.000413	.88
8	11.5	.0		.94924	583.2	.00225	.000570			1.07
10	12.0	3.0		.95421	586.1	.00223	.000565			1.10
11	12.0	5.0		.95090	586.8	.00202	.000511			.91
24	14.0	-12.0		.93490	574.1	.00227	.000575			1.14
42	50.0	-8.0		1.00275	606.1	.00035	.000089			.20
46	58.0	.0		.94318	574.5	.00118	.000299			.66
47	58.0	6.0		.94428	574.8	.00115	.000291			.64
48	58.0	12.0		.92111	568.1	.00221	.000560			1.23
301	1.0	1.5	1.1	.91173	559.1	.00230	.000582	.00215	.000544	
302	1.0	1.0	1.6	.88911	552.5	.00326	.000825			
303	1.0	.5	1.1	.90787	561.1	.00318	.000805	.00320	.000810	
304	1.0	.0	.6	.93214	571.1	.00208	.000527			
305	2.0	1.5	1.1	.91945	562.8	.00182	.000461	.00177	.000448	
306	2.0	1.0	1.6	.89794	555.8	.00289	.000732			
307	2.0	.5	1.1	.91835	566.8	.00205	.000519	.00216	.000547	
308	2.0	.0	.6	.93766	571.8	.00139	.000352			
309	3.0	1.5	1.1	.92828	566.5	.00162	.000410	.00190	.000481	
310	3.0	1.0	1.6	.90621	556.1	.00233	.000590			
311	3.0	.5	1.1	.92663	565.5	.00164	.000415	.00189	.000479	
312	3.0	.0	.6	.94207	572.5	.00096	.000243			
313	4.0	1.5	1.1	.93269	570.8	.00139	.000352	.00134	.000339	
314	4.0	1.0	1.6	.91394	559.5	.00184	.000466			
315	4.0	.5	1.1	.93325	568.8	.00151	.000382	.00157	.000398	
316	4.0	.0	.6	.95090	577.5	.00097	.000246			
317	5.0	1.5	1.1	.93766	571.2	.00137	.000347			
318	5.0	1.0	1.6	.92221	563.8	.00170	.000430			
319	5.0	.5	1.1	.93545	571.8	.00165	.000418			
321	6.0	1.5	1.1	.94483	576.8	.00133	.000337	.00176	.000446	
322	6.0	1.0	1.6	.92607	570.8	.00189	.000479			
323	6.0	.5	1.1	.93766	576.8	.00157	.000398	.00152	.000385	
324	6.0	.0	.6	.95310	580.8	.00127	.000322			
325	8.0	1.5	1.1	.94814	579.5	.00149	.000377	.00146	.000370	
326	8.0	1.0	1.6	.93600	572.5	.00178	.000451	.00133	.000337	
327	8.0	.5	1.1	.94704	576.5	.00147	.000372	.00134	.000339	
328	8.0	.0	.6	.95917	582.8	.00094	.000238			
329	10.0	1.5	1.1	.95421	582.5	.00127	.000322	.00131	.000332	
330	10.0	1.0	1.6	.94152	576.1	.00178	.000451			
331	10.0	.5	1.1	.95310	580.5	.00147	.000372	.00149	.000377	
332	10.0	.0	.6	.96303	586.1	.00097	.000246			
333	12.0	1.5	1.1	.95641	584.1	.00128	.000324	.00124	.000314	
334	12.0	1.0	1.6	.94593	578.1	.00175	.000443	.00141	.000357	
335	12.0	.5	1.1	.95476	581.1	.00127	.000322	.00100	.000253	
336	12.0	.0	.6	.96855	588.1	.00096	.000243			
337	14.0	1.5	1.1	.95752	582.5	.00116	.000294	.00100	.000253	
338	14.0	1.0	1.6	.94759	578.8	.00160	.000425	.00140	.000354	
339	14.0	.5	1.1	.95641	584.1	.00128	.000324	.00116	.000294	
340	14.0	.0	.6	.97021	588.5	.00092	.000233			
341	18.0	1.5	1.1	.96193	584.8	.00108	.000273	.00119	.000301	
342	18.0	1.0	1.6	.95090	582.1	.00150	.000380			
343	18.0	.5	1.1	.95697	582.8	.00146	.000370	.00135	.000342	
344	18.0	.0	.6	.96800	587.1	.00081	.000205			
345	22.0	1.5	1.1	.96359	585.5	.00108	.000273	.00120	.000304	
346	22.0	1.0	1.6	.94979	581.5	.00150	.000380			
347	22.0	.5	1.1	.95476	581.8	.00135	.000342			
348	22.0	.0	.6	.97076	588.8	.00080	.000203			
349	26.0	1.5	1.1	.96083	584.8	.00097	.000246	.00086	.000218	
350	26.0	1.0	1.6	.94979	581.5	.00150	.000380	.00124	.000314	
351	26.0	.5	1.1	.95641	581.8	.00112	.000284			
352	26.0	.0	.6	.97241	589.5	.00070	.000177			
353	30.0	1.5	1.1	.96138	585.1	.00097	.000246	.00093	.000235	
354	30.0	1.0	1.6	.95200	580.8	.00150	.000380	.00123	.000311	
355	30.0	.5	1.1	.95807	582.5	.00109	.000276	.00087	.000220	
356	30.0	.0	.6	.97076	588.5	.00062	.000157			
357	4.0	-6.0	.6	.95366	579.8	.00094	.000238			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

10. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 5^{\circ}$ - Continued

(h) $M = 4.44$; $R = 3.19 \times 10^6$; $T_t = 681^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	n (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95237	580.1	.00130	.000466			.88
2	2.0	.0		.94905	579.1	.00137	.000491			.93
3	2.0	12.0		.94849	580.1	.00133	.000477			.98
4	8.0	.0		.94240	573.8	.00131	.000469			.79
5	9.0	.0		.94351	575.1	.00137	.000491	.00132	.000473	.85
6	10.0	.0		.94739	577.1	.00135	.000484	.00118	.000423	.82
7	11.0	.0		.95514	582.8	.00168	.000602	.00179	.000641	1.02
8	11.5	.0		.95680	585.2	.00178	.000638			1.19
10	12.0	3.0		.96012	585.8	.00142	.000509			.86
11	12.0	5.0		.95846	586.1	.00166	.000595			1.09
24	14.0	-12.0		.94074	574.1	.00170	.000609			1.14
42	50.0	-8.0		1.00166	603.1	.00031	.000111			.23
46	58.0	.0		.95403	579.5	.00104	.000373			.81
47	58.0	6.0		.95292	576.8	.00075	.000269			.56
48	58.0	12.0		.92911	569.1	.00159	.000570			1.36
301	1.0	1.5	1.1	.91970	562.1	.00147	.000527	.00133	.000477	
302	1.0	1.0	1.6	.90031	551.5	.00194	.000695			
303	1.0	.5	1.1	.91582	564.8	.00219	.000785	.00207	.000742	
304	1.0	.0	.6	.93742	570.8	.00134	.000480			
305	2.0	1.5	1.1	.92745	565.5	.00126	.000452	.00121	.000434	
306	2.0	1.0	1.6	.90917	557.5	.00182	.000652			
307	2.0	.5	1.1	.92690	566.5	.00135	.000484	.00148	.000530	
308	2.0	.0	.6	.94295	571.5	.00085	.000305			
309	3.0	1.5	1.1	.93631	568.5	.00092	.000330	.00117	.000419	
310	3.0	1.0	1.6	.91859	559.5	.00136	.000487			
311	3.0	.5	1.1	.93576	567.5	.00104	.000373	.00116	.000416	
312	3.0	.0	.6	.94739	572.8	.00068	.000244			
313	4.0	1.5	1.1	.94129	570.5	.00110	.000394	.00111	.000398	
314	4.0	1.0	1.6	.92634	563.1	.00126	.000452			
315	4.0	.5	1.1	.94129	571.1	.00104	.000373	.00116	.000416	
316	4.0	.0	.6	.95569	577.1	.00059	.000211			
317	5.0	1.5	1.1	.94683	573.2	.00077	.000276			
318	5.0	1.0	1.6	.93409	567.8	.00110	.000394			
319	5.0	.5	1.1	.94517	573.8	.00109	.000391			
321	6.0	1.5	1.1	.95403	578.5	.00089	.000319			
322	6.0	1.0	1.6	.94019	571.8	.00130	.000466			
324	6.0	.0	.6	.96012	581.1	.00071	.000254			
325	8.0	1.5	1.1	.95735	580.5	.00089	.000319	.00088	.000315	
326	8.0	1.0	1.6	.94905	575.8	.00121	.000434			
327	8.0	.5	1.1	.95680	579.8	.00108	.000387	.00108	.000387	
328	8.0	.0	.6	.96621	584.5	.00060	.000215			
329	10.0	1.5	1.1	.96289	584.8	.00077	.000276	.00086	.000308	
330	10.0	1.0	1.6	.95237	578.5	.00122	.000437			
331	10.0	.5	1.1	.96123	582.5	.00081	.000290	.00085	.000305	
332	10.0	.0	.6	.96954	585.8	.00064	.000229			
333	12.0	1.5	1.1	.96455	585.1	.00078	.000280	.00075	.000269	
334	12.0	1.0	1.6	.95680	580.8	.00107	.000383			
335	12.0	.5	1.1	.96289	583.1	.00088	.000315	.00074	.000265	
336	12.0	.0	.6	.97341	588.8	.00059	.000211			
337	14.0	1.5	1.1	.96566	584.1	.00069	.000247	.00060	.000215	
338	14.0	1.0	1.6	.95735	581.1	.00103	.000369			
339	14.0	.5	1.1	.96345	583.8	.00088	.000315	.00078	.000280	
340	14.0	.0	.6	.97452	588.5	.00054	.000194			
341	18.0	1.5	1.1	.96898	586.8	.00076	.000272	.00080	.000287	
342	18.0	1.0	1.6	.96068	582.8	.00104	.000373	.00081	.000290	
343	18.0	.5	1.1	.96455	584.1	.00088	.000315	.00074	.000265	
344	18.0	.0	.6	.97452	588.1	.00052	.000186			
345	22.0	1.5	1.1	.96954	587.1	.00069	.000247	.00086	.000308	
346	22.0	1.0	1.6	.95901	581.8	.00104	.000373	.00078	.000280	
347	22.0	.5	1.1	.96234	582.5	.00077	.000276			
348	22.0	.0	.6	.97563	589.1	.00058	.000208			
349	26.0	1.5	1.1	.96788	585.1	.00064	.000229	.00053	.000190	
350	26.0	1.0	1.6	.96012	582.5	.00109	.000391	.00080	.000287	
351	26.0	.5	1.1	.96455	583.8	.00069	.000247			
352	26.0	.0	.6	.97729	589.5	.00047	.000168			
353	30.0	1.5	1.1	.96898	585.8	.00069	.000247	.00069	.000247	
354	30.0	1.0	1.6	.96345	584.5	.00089	.000319	.00083	.000297	
355	30.0	.5	1.1	.96788	585.5	.00067	.000240	.00056	.000201	
356	30.0	.0	.6	.97563	588.5	.00048	.000172			
357	4.0	-6.0	.6	.95791	578.8	.00063	.000226			
360	16.0	-6.0	.6	.99944	676.8	.03492	.012513			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

10. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 5^{\circ}$ - Concluded

(i) $M = 4.44$; $R = 2.11 \times 10^{6}$; $T_t = 685^{\circ}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.96121	582.5	.00083	.000448			.79
2	2.0	.0		.95788	579.5	.00103	.000556			.88
3	2.0	12.0		.95678	580.1	.00092	.000497			.79
4	8.0	.0		.95179	575.5	.00101	.000545			1.00
5	9.0	.0		.95345	576.5	.00099	.000535	.00094	.000508	.93
6	10.0	.0		.95788	578.8	.00086	.000464	.00074	.000400	.85
7	11.0	.0		.96398	586.1	.00149	.000805	.00172	.000929	1.49
8	11.5	.0		.96453	586.8	.00162	.000875			1.60
10	12.0	3.0		.96675	586.5	.00132	.000713			1.29
11	12.0	5.0		.96620	589.1	.00135	.000729			1.27
24	14.0	-12.0		.94736	575.1	.00125	.000675			1.40
42	50.0	-8.0		1.00664	605.1	.00024	.000130			.27
46	58.0	.0		.96065	580.8	.00077	.000416			.88
47	58.0	6.0		.96176	579.8	.00050	.000270			.56
48	58.0	12.0		.94071	570.8	.00109	.000589			1.28
301	1.0	1.5	1.1	.92907	562.8	.00103	.000556	.00095	.000513	
302	1.0	1.0	1.6	.91300	554.8	.00142	.000767			
303	1.0	.5	1.1	.92519	565.5	.00151	.000815	.00146	.000788	
304	1.0	.0	.6	.94403	572.8	.00094	.000508			
305	2.0	1.5	1.1	.93683	566.5	.00085	.000459	.00080	.000432	
306	2.0	1.0	1.6	.92187	560.1	.00140	.000756			
307	2.0	.5	1.1	.93627	567.1	.00107	.000578	.00101	.000545	
308	2.0	.0	.6	.95123	573.8	.00077	.000416			
309	3.0	1.5	1.1	.94680	572.5	.00078	.000421			
310	3.0	1.0	1.6	.93184	564.1	.00087	.000470			
311	3.0	.5	1.1	.94625	570.8	.00062	.000335	.00075	.000405	
312	3.0	.0	.6	.95511	575.1	.00050	.000270			
313	4.0	1.5	1.1	.95234	574.5	.00076	.000410	.00079	.000427	
314	4.0	1.0	1.6	.94015	568.5	.00078	.000421			
315	4.0	.5	1.1	.95179	574.8	.00066	.000356	.00071	.000383	
316	4.0	.0	.6	.96342	580.1	.00044	.000238			
317	5.0	1.5	1.1	.95788	577.2	.00050	.000270			
318	5.0	1.0	1.6	.94791	573.1	.00087	.000470			
319	5.0	.5	1.1	.95622	577.5	.00077	.000416			
321	6.0	1.5	1.1	.96564	582.1	.00075	.000405			
322	6.0	1.0	1.6	.95401	576.5	.00083	.000448			
324	6.0	.0	.6	.96952	584.1	.00049	.000265			
325	8.0	1.5	1.1	.96897	584.5	.00075	.000405	.00067	.000362	
326	8.0	1.0	1.6	.96287	581.5	.00077	.000416			
327	8.0	.5	1.1	.96897	584.5	.00075	.000405	.00076	.000410	
328	8.0	.0	.6	.97561	587.5	.00048	.000259			
329	10.0	1.5	1.1	.97451	587.5	.00050	.000270	.00060	.000324	
330	10.0	1.0	1.6	.96564	583.5	.00077	.000416			
331	10.0	.5	1.1	.97229	586.8	.00075	.000405	.00079	.000427	
332	10.0	.0	.6	.97894	589.5	.00043	.000232			
333	12.0	1.5	1.1	.97561	588.5	.00050	.000270	.00049	.000265	
334	12.0	1.0	1.6	.96897	585.5	.00068	.000367			
335	12.0	.5	1.1	.97340	587.1	.00058	.000313	.00044	.000238	
336	12.0	.0	.6	.98226	591.8	.00044	.000238			
337	14.0	1.5	1.1	.97561	588.1	.00044	.000238			
338	14.0	1.0	1.6	.96952	585.8	.00076	.000410	.00062	.000335	
339	14.0	.5	1.1	.97395	587.8	.00058	.000313	.00050	.000270	
340	14.0	.0	.6	.98282	591.8	.00040	.000216			
341	18.0	1.5	1.1	.97894	589.8	.00045	.000243	.00049	.000265	
342	18.0	1.0	1.6	.97229	586.8	.00058	.000313			
343	18.0	.5	1.1	.97617	588.8	.00061	.000329	.00054	.000292	
344	18.0	.0	.6	.98337	591.8	.00042	.000227			
345	22.0	1.5	1.1	.98005	590.5	.00044	.000238	.00050	.000270	
346	22.0	1.0	1.6	.97229	587.1	.00076	.000410	.00061	.000329	
347	22.0	.5	1.1	.97451	587.5	.00050	.000270			
348	22.0	.0	.6	.98448	592.1	.00034	.000184			
349	26.0	1.5	1.1	.97894	589.5	.00048	.000259			
350	26.0	1.0	1.6	.97340	588.1	.00075	.000405	.00062	.000335	
351	26.0	.5	1.1	.97728	589.1	.00049	.000265			
353	30.0	1.5	1.1	.98060	590.8	.00046	.000248			
354	30.0	1.0	1.6	.97672	590.1	.00075	.000405	.00064	.000346	
355	30.0	.5	1.1	.98060	591.1	.00046	.000248			
356	30.0	.0	.6	.98559	592.8	.00033	.000178			
357	4.0	-6.0	.6	.96620	582.1	.00049	.000265			
360	16.0	-6.0	.6	.99944	668.5	.04151	.022413			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

11. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 10^{\circ}$

(a) M = 2.65; R = 3.93×10^6; $T_t = 713^{\circ}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94267	585.1	.00539	.000760			.98
2	2.0	.0		.93877	583.8	.00548	.000773			.95
3	2.0	12.0		.93989	585.5	.00561	.000791			.97
4	8.0	.0		.93710	582.8	.00560	.000790			.98
5	9.0	.0		.93766	583.1	.00549	.000774	.00546	.000770	.95
6	10.0	.0		.94044	584.8	.00567	.000800	.00543	.000766	.98
7	11.0	.0		.94823	596.8	.00737	.001039	.00766	.001080	1.28
8	11.5	.0		.95269	598.8	.00669	.000943			1.18
10	12.0	3.0		.95547	597.8	.00607	.000856			1.03
11	12.0	5.0		.95157	597.8	.00676	.000953			1.15
24	14.0	-12.0		.94545	588.1	.00556	.000784			1.01
42	50.0	-8.0		.97551	591.1	.00193	.000272			.35
43	50.0	-5.0		.97606	592.1	.00203	.000286			.36
44	50.0	.0		.99165	594.8	.00044	.000062			.08
46	58.0	.0		.93488	578.5	.00471	.000664			.84
47	58.0	6.0		.92375	578.1	.00635	.000895			1.08
48	58.0	12.0		.93265	589.8	.00792	.001117			1.36
301	1.0	1.5	1.1	.92152	574.1	.00551	.000777	.00550	.000776	
302	1.0	1.0	1.6	.90093	566.5	.00674	.000950	.00633	.000893	
303	1.0	.5	1.1	.92041	575.8	.00608	.000857	.00591	.000833	
304	1.0	.0	.6	.93877	582.5	.00487	.000687	.00515	.000726	
305	2.0	1.5	1.1	.92375	577.8	.00482	.000680	.00490	.000691	
306	2.0	1.0	1.6	.90594	572.1	.00613	.000864	.00544	.000767	
307	2.0	.5	1.1	.92653	582.8	.00559	.000788	.00596	.000840	
308	2.0	.0	.6	.94211	583.1	.00391	.000551	.00458	.000646	
309	3.0	1.5	1.1	.92709	573.5	.00431	.000608	.00409	.000577	
310	3.0	1.0	1.6	.91261	574.5	.00598	.000843	.00541	.000763	
311	3.0	.5	1.1	.92820	581.1	.00563	.000794	.00603	.000850	
312	3.0	.0	.6	.94211	582.8	.00438	.000618	.00479	.000675	
313	4.0	1.5	1.1	.93432	579.5	.00444	.000626	.00462	.000652	
314	4.0	1.0	1.6	.91595	576.5	.00580	.000818	.00522	.000736	
315	4.0	.5	1.1	.92764	578.8	.00553	.000780	.00551	.000777	
316	4.0	.0	.6	.94712	583.8	.00358	.000505	.00393	.000554	
317	5.0	1.5	1.1	.93432	581.1	.00424	.000598	.00415	.000585	
318	5.0	1.0	1.6	.92096	581.5	.00537	.000757	.00494	.000697	
319	5.0	.5	1.1	.92987	586.1	.00493	.000695	.00482	.000680	
321	6.0	1.5	1.1	.94044	580.8	.00393	.000554	.00400	.000564	
322	6.0	1.0	1.6	.92208	579.1	.00542	.000764	.00489	.000690	
323	6.0	.5	1.1	.93209	586.1	.00541	.000763	.00570	.000804	
324	6.0	.0	.6	.94657	584.8	.00388	.000547	.00407	.000574	
325	8.0	1.5	1.1	.93989	584.5	.00421	.000594	.00429	.000605	
326	8.0	1.0	1.6	.92486	576.1	.00548	.000773	.00509	.000718	
327	8.0	.5	1.1	.93209	580.5	.00523	.000738	.00523	.000738	
328	8.0	.0	.6	.94768	587.1	.00389	.000549	.00401	.000565	
329	10.0	1.5	1.1	.94434	583.8	.00417	.000588	.00444	.000626	
330	10.0	1.0	1.6	.92319	577.5	.00584	.000824	.00553	.000780	
331	10.0	.5	1.1	.92876	581.5	.00486	.000685	.00464	.000654	
332	10.0	.0	.6	.94768	583.8	.00387	.000546	.00408	.000575	
333	12.0	1.5	1.1	.94211	583.1	.00400	.000564	.00411	.000580	
334	12.0	1.0	1.6	.92319	585.5	.00557	.000785	.00540	.000761	
335	12.0	.5	1.1	.92653	581.1	.00521	.000735	.00481	.000678	
336	12.0	.0	.6	.94990	585.1	.00341	.000481	.00384	.000542	
337	14.0	1.5	1.1	.94100	580.8	.00394	.000556	.00384	.000542	
338	14.0	1.0	1.6	.92764	585.1	.00585	.000825	.00595	.000839	
339	14.0	.5	1.1	.93042	583.5	.00518	.000730	.00498	.000702	
340	14.0	.0	.6	.94935	582.8	.00342	.000482	.00362	.000510	
341	18.0	1.5	1.1	.94434	583.1	.00394	.000556	.00399	.000563	
342	18.0	1.0	1.6	.93655	586.8	.00512	.000722	.00515	.000726	
343	18.0	.5	1.1	.93877	585.8	.00458	.000646	.00459	.000647	
344	18.0	.0	.6	.94823	584.1	.00307	.000433	.00299	.000422	
345	22.0	1.5	1.1	.94657	583.8	.00360	.000508	.00357	.000503	
346	22.0	1.0	1.6	.93376	581.8	.00500	.000705	.00482	.000680	
347	22.0	.5	1.1	.93822	580.8	.00443	.000625	.00419	.000591	
348	22.0	.0	.6	.95658	586.1	.00317	.000447	.00332	.000468	
349	26.0	1.5	1.1	.94601	583.1	.00357	.000503	.00348	.000491	
350	26.0	1.0	1.6	.93098	584.8	.00538	.000759	.00533	.000752	
351	26.0	.5	1.1	.93766	580.5	.00443	.000625	.00414	.000584	
352	26.0	.0	.6	.95825	587.1	.00288	.000406	.00332	.000468	
353	30.0	1.5	1.1	.94935	588.1	.00383	.000540	.00385	.000543	
354	30.0	1.0	1.6	.93432	586.5	.00519	.000732	.00510	.000719	
355	30.0	.5	1.1	.94211	582.5	.00437	.000616	.00417	.000588	
356	30.0	.0	.6	.95937	587.1	.00296	.000417	.00323	.000455	
357	4.0	-6.0	.6	.94768	585.1	.00413	.000582			
358	8.0	-6.0	.6	.99777	718.5	.01539	.002170	.01339	.001888	

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

11. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 10^{o}$ - Continued

(b) M = 2.65; R = 2.55 × 10^6; $T_t = 711^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94951	579.1	.00371	.000807			.96
2	2.0	.0		.94502	577.5	.00374	.000813			.96
3	2.0	12.0		.94615	578.8	.00374	.000813			.97
4	8.0	.0		.94166	575.8	.00389	.000846			.99
5	9.0	.0		.94334	576.5	.00373	.000811	.00367	.000798	.95
6	10.0	.0		.94783	579.8	.00427	.000928	.00415	.000902	1.09
7	11.0	.0		.95400	588.8	.00529	.001150	.00549	.001194	1.35
8	11.5	.0		.95849	590.5	.00439	.000955	.00694	.001509	1.12
10	12.0	3.0		.95961	589.5	.00424	.000922			1.07
11	12.0	5.0		.95624	589.5	.00482	.001048			1.22
24	14.0	-12.0		.95063	581.1	.00405	.000881			1.10
42	50.0	-8.0		.98373	589.5	.00134	.000291			.35
43	50.0	-5.0		.98597	591.1	.00134	.000291			.36
44	50.0	.0		1.00000	595.1	.00032	.000070			.09
46	58.0	.0		.94278	573.5	.00324	.000705			.85
47	58.0	6.0		.93044	571.8	.00454	.000987			1.11
48	58.0	12.0		.93549	579.8	.00572	.001244			1.46
301	1.0	1.5	1.1	.92651	568.8	.00349	.000759	.00345	.000750	
302	1.0	1.0	1.6	.90800	559.8	.00451	.000981	.00421	.000915	
303	1.0	.5	1.1	.92483	567.8	.00437	.000950	.00439	.000955	
304	1.0	.0	.6	.94334	574.8	.00305	.000663	.00361	.000785	
305	2.0	1.5	1.1	.93044	568.1	.00326	.000709	.00317	.000689	
306	2.0	1.0	1.6	.91417	561.8	.00428	.000931	.00346	.000752	
307	2.0	.5	1.1	.93324	572.5	.00387	.000842	.00409	.000889	
308	2.0	.0	.6	.94839	576.8	.00296	.000644	.00336	.000731	
309	3.0	1.5	1.1	.93549	573.1	.00289	.000628	.00255	.000554	
310	3.0	1.0	1.6	.92146	565.5	.00395	.000859	.00376	.000818	
311	3.0	.5	1.1	.93549	574.5	.00415	.000902	.00445	.000968	
312	3.0	.0	.6	.94895	577.5	.00274	.000596	.00316	.000687	
313	4.0	1.5	1.1	.94222	574.1	.00305	.000663	.00324	.000705	
314	4.0	1.0	1.6	.92483	569.8	.00389	.000846	.00337	.000733	
315	4.0	.5	1.1	.93493	572.5	.00354	.000770	.00358	.000778	
316	4.0	.0	.6	.95456	578.8	.00240	.000522	.00280	.000609	
317	5.0	1.5	1.1	.94222	573.1	.00298	.000648	.00291	.000633	
318	5.0	1.0	1.6	.92988	569.1	.00359	.000781	.00341	.000741	
319	5.0	.5	1.1	.93717	581.1	.00327	.000711	.00325	.000707	
321	6.0	1.5	1.1	.94783	575.8	.00294	.000639	.00309	.000672	
322	6.0	1.0	1.6	.93044	572.5	.00362	.000787	.00321	.000698	
323	6.0	.5	1.1	.93941	576.1	.00390	.000848	.00405	.000881	
324	6.0	.0	.6	.95288	578.8	.00275	.000598	.00287	.000624	
325	8.0	1.5	1.1	.94671	576.1	.00278	.000604	.00287	.000624	
326	8.0	1.0	1.6	.93268	570.5	.00368	.000800	.00335	.000728	
327	8.0	.5	1.1	.93941	574.5	.00365	.000794	.00363	.000789	
328	8.0	.0	.6	.95400	578.8	.00258	.000561	.00280	.000609	
329	10.0	1.5	1.1	.95063	578.1	.00295	.000641	.00319	.000694	
330	10.0	1.0	1.6	.93156	574.5	.00389	.000846	.00356	.000774	
331	10.0	.5	1.1	.93717	573.1	.00366	.000796	.00352	.000765	
332	10.0	.0	.6	.95400	582.1	.00241	.000524	.00261	.000568	
333	12.0	1.5	1.1	.94895	577.5	.00297	.000646	.00304	.000661	
334	12.0	1.0	1.6	.93212	575.8	.00392	.000852	.00373	.000811	
335	12.0	.5	1.1	.93549	572.8	.00327	.000711	.00338	.000735	
336	12.0	.0	.6	.95736	580.1	.00253	.000550	.00282	.000613	
337	14.0	1.5	1.1	.94895	576.1	.00275	.000598	.00265	.000576	
338	14.0	1.0	1.6	.93717	576.1	.00417	.000907	.00393	.000855	
339	14.0	.5	1.1	.94054	575.8	.00339	.000737	.00352	.000765	
340	14.0	.0	.6	.95793	579.5	.00211	.000459	.00234	.000509	
341	18.0	1.5	1.1	.95288	581.1	.00261	.000568	.00265	.000576	
342	18.0	1.0	1.6	.94502	583.1	.00336	.000731	.00330	.000718	
343	18.0	.5	1.1	.94895	578.8	.00305	.000663	.00304	.000661	
344	18.0	.0	.6	.95849	579.1	.00202	.000439	.00201	.000437	
345	22.0	1.5	1.1	.95568	579.8	.00244	.000531	.00243	.000528	
346	22.0	1.0	1.6	.94278	579.5	.00337	.000733	.00337	.000733	
347	22.0	.5	1.1	.94783	579.1	.00290	.000631	.00267	.000581	
348	22.0	.0	.6	.96578	583.1	.00198	.000431	.00232	.000504	
349	26.0	1.5	1.1	.95512	581.8	.00259	.000563	.00258	.000561	
350	26.0	1.0	1.6	.94054	576.5	.00388	.000844	.00374	.000813	
351	26.0	.5	1.1	.94671	576.1	.00298	.000648	.00272	.000591	
352	26.0	.0	.6	.96634	583.1	.00193	.000420	.00224	.000487	
353	30.0	1.5	1.1	.95849	581.8	.00272	.000591	.00274	.000596	
354	30.0	1.0	1.6	.94390	578.8	.00388	.000844	.00373	.000811	
355	30.0	.5	1.1	.95175	579.1	.00296	.000644	.00280	.000609	
356	30.0	.0	.6	.96802	584.1	.00210	.000457	.00237	.000515	
357	4.0	-6.0	.6	.95512	580.1	.00274	.000596			
358	8.0	-6.0	.6	.99663	717.1	.00497	.001081			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

11. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 10^{o}$ - Continued

(c) M = 2.65; $R = 1.28 \times 10^{6}$; $T_t = 710^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.96358	582.5	.00204	.000898			.95
2	2.0	.0		.95909	580.1	.00210	.000924			.97
3	2.0	12.0		.96021	581.1	.00217	.000955			1.01
4	8.0	.0		.95349	576.8	.00211	.000929			.95
5	9.0	.0		.95629	578.1	.00204	.000898	.00196	.000863	.95
6	10.0	.0		.96021	583.5	.00256	.001127	.00256	.001127	1.12
7	11.0	.0		.96638	588.8	.00300	.001320	.00310	.001364	1.38
8	11.5	.0		.97142	589.5	.00220	.000968	.00446	.001963	1.00
10	12.0	3.0		.97254	589.5	.00205	.000902			.88
11	12.0	5.0		.96806	588.8	.00268	.001179			1.23
24	14.0	-12.0		.96077	581.8	.00232	.001021			1.12
42	50.0	-8.0		.99831	596.8	.00078	.000343			.37
43	50.0	-5.0		1.00448	599.8	.00063	.000277			.30
46	58.0	.0		.96189	579.5	.00170	.000748			.80
47	58.0	6.0		.94621	574.5	.00251	.001105			1.12
48	58.0	12.0		.94396	576.8	.00322	.001417			1.50
301	1.0	1.5	1.1	.94453	570.8	.00168	.000739	.00163	.000717	
302	1.0	1.0	1.6	.92828	565.1	.00230	.001012	.00181	.000797	
303	1.0	.5	1.1	.94228	570.1	.00203	.000893	.00201	.000885	
304	1.0	.0	.6	.95909	577.1	.00138	.000607	.00191	.000841	
305	2.0	1.5	1.1	.94957	572.5	.00179	.000788	.00179	.000788	
306	2.0	1.0	1.6	.93556	568.8	.00137	.000603			
307	2.0	.5	1.1	.95125	576.5	.00183	.000805	.00204	.000898	
308	2.0	.0	.6	.96526	580.1	.00131	.000577	.00176	.000775	
309	3.0	1.5	1.1	.95629	576.1	.00142	.000625	.00126	.000555	
310	3.0	1.0	1.6	.94396	571.1	.00221	.000973	.00191	.000841	
311	3.0	.5	1.1	.95573	578.8	.00196	.000863	.00219	.000964	
312	3.0	.0	.6	.96806	582.1	.00139	.000612	.00176	.000775	
313	4.0	1.5	1.1	.96302	579.8	.00158	.000695	.00171	.000753	
314	4.0	1.0	1.6	.94733	574.1	.00183	.000805			
315	4.0	.5	1.1	.95629	579.1	.00182	.000801	.00171	.000753	
316	4.0	.0	.6	.97310	584.5	.00127	.000559	.00163	.000717	
317	5.0	1.5	1.1	.96358	579.8	.00136	.000599	.00130	.000572	
318	5.0	1.0	1.6	.95237	576.1	.00171	.000753	.00139	.000612	
319	5.0	.5	1.1	.95853	578.8	.00179	.000788	.00177	.000779	
321	6.0	1.5	1.1	.96918	582.8	.00131	.000577	.00153	.000673	
322	6.0	1.0	1.6	.95293	575.5	.00174	.000766	.00137	.000603	
323	6.0	.5	1.1	.96077	582.5	.00182	.000801	.00192	.000845	
324	6.0	.0	.6	.97198	584.5	.00139	.000612	.00157	.000691	
325	8.0	1.5	1.1	.96806	582.1	.00135	.000594	.00141	.000621	
326	8.0	1.0	1.6	.95685	577.1	.00172	.000757	.00149	.000656	
327	8.0	.5	1.1	.96245	581.1	.00165	.000726	.00165	.000726	
328	8.0	.0	.6	.97366	585.1	.00127	.000559	.00149	.000656	
329	10.0	1.5	1.1	.97142	584.5	.00135	.000594	.00156	.000687	
330	10.0	1.0	1.6	.95573	579.5	.00183	.000805	.00151	.000665	
331	10.0	.5	1.1	.96133	581.8	.00168	.000739	.00158	.000695	
332	10.0	.0	.6	.97478	585.1	.00120	.000528	.00135	.000594	
333	12.0	1.5	1.1	.96974	583.8	.00137	.000603	.00141	.000621	
334	12.0	1.0	1.6	.95573	578.8	.00201	.000885	.00178	.000783	
335	12.0	.5	1.1	.96021	581.5	.00167	.000735	.00143	.000629	
336	12.0	.0	.6	.97814	587.5	.00120	.000528	.00155	.000682	
337	14.0	1.5	1.1	.97142	586.1	.00129	.000568	.00115	.000506	
338	14.0	1.0	1.6	.96133	582.1	.00200	.000880	.00188	.000827	
339	14.0	.5	1.1	.96582	585.1	.00180	.000792	.00171	.000753	
340	14.0	.0	.6	.97982	587.8	.00119	.000524	.00146	.000643	
341	18.0	1.5	1.1	.97646	587.1	.00138	.000607	.00141	.000621	
342	18.0	1.0	1.6	.96918	585.5	.00165	.000726	.00153	.000673	
343	18.0	.5	1.1	.97478	587.1	.00157	.000691	.00158	.000695	
344	18.0	.0	.6	.98207	588.5	.00098	.000431	.00105	.000462	
345	22.0	1.5	1.1	.97982	591.8	.00125	.000550	.00116	.000511	
346	22.0	1.0	1.6	.96862	585.1	.00170	.000748	.00156	.000687	
347	22.0	.5	1.1	.97366	585.8	.00136	.000599	.00120	.000528	
348	22.0	.0	.6	.98879	592.5	.00098	.000431			
349	26.0	1.5	1.1	.97926	588.5	.00125	.000550	.00128	.000563	
350	26.0	1.0	1.6	.96694	585.1	.00166	.000731	.00145	.000638	
351	26.0	.5	1.1	.97254	586.1	.00140	.000616	.00120	.000528	
352	26.0	.0	.6	.98879	591.8	.00087	.000383			
353	30.0	1.5	1.1	.98151	589.8	.00130	.000572	.00133	.000585	
354	30.0	1.0	1.6	.96974	585.8	.00196	.000863	.00176	.000775	
355	30.0	.5	1.1	.97646	587.8	.00136	.000599	.00126	.000555	
356	30.0	.0	.6	.98991	592.8	.00096	.000422	.00123	.000541	
357	4.0	-6.0	.6	.97478	588.1	.00123	.000541			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

11. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 10^{\circ}$ - Continued

(d) M = 3.51; R = 4.00×10^6; $T_t = 708^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95191	573.8	.00281	.000546			.89
2	2.0	.0		.94625	570.5	.00292	.000567			.90
3	2.0	12.0		.94795	570.5	.00274	.000532			.86
4	8.0	.0		.93947	566.8	.00292	.000567			.89
5	9.0	.0		.94060	567.5	.00299	.000581	.00299	.000581	.91
6	10.0	.0		.94173	567.8	.00290	.000564	.00275	.000534	.91
7	11.0	.0		.95021	575.8	.00344	.000668	.00333	.000647	1.05
8	11.5	.0		.95870	582.1	.00354	.000688			1.07
10	12.0	3.0		.95983	581.1	.00315	.000612			.95
11	12.0	5.0		.95248	579.1	.00355	.000690			1.08
24	14.0	-12.0		.94795	571.5	.00290	.000564			.92
42	50.0	-8.0		1.00678	596.5	.00094	.000183			.30
43	50.0	-5.0		1.01130	598.1	.00076	.000148			.25
46	58.0	.0		.94739	569.5	.00258	.000501			.83
47	58.0	6.0		.92306	555.1	.00281	.000546			.89
48	58.0	12.0		.92193	562.5	.00453	.000880			1.42
301	1.0	1.5	1.1	.92872	562.5	.00299	.000581	.00290	.000564	
302	1.0	1.0	1.6	.90100	550.5	.00447	.000869	.00369	.000717	
303	1.0	.5	1.1	.92136	566.1	.00413	.000803	.00425	.000826	
304	1.0	.0	.6	.94852	572.1	.00261	.000507	.00337	.000655	
305	2.0	1.5	1.1	.93607	569.5	.00274	.000532	.00352	.000684	
307	2.0	.5	1.1	.93268	562.5	.00273	.000531	.00292	.000567	
308	2.0	.0	.6	.95474	571.8	.00202	.000393	.00248	.000482	
309	3.0	1.5	1.1	.94173	567.5	.00242	.000470	.00242	.000470	
310	3.0	1.0	1.6	.92193	557.1	.00285	.000554			
311	3.0	.5	1.1	.94286	567.5	.00277	.000538	.00292	.000567	
312	3.0	.0	.6	.96040	574.5	.00200	.000389	.00252	.000490	
313	4.0	1.5	1.1	.94682	569.1	.00217	.000422	.00215	.000418	
314	4.0	1.0	1.6	.92193	557.8	.00326	.000633	.00260	.000505	
315	4.0	.5	1.1	.93833	571.5	.00316	.000614	.00332	.000645	
316	4.0	.0	.6	.96379	577.1	.00200	.000389	.00258	.000501	
317	5.0	1.5	1.1	.94795	568.8	.00238	.000462	.00235	.000457	
318	5.0	1.0	1.6	.92702	562.1	.00301	.000585	.00240	.000466	
319	5.0	.5	1.1	.94116	567.5	.00279	.000542	.00273	.000531	
321	6.0	1.5	1.1	.95474	572.5	.00215	.000418	.00245	.000476	
322	6.0	1.0	1.6	.93211	561.5	.00281	.000546	.00220	.000428	
323	6.0	.5	1.1	.94625	571.8	.00256	.000497	.00263	.000511	
324	6.0	.0	.6	.96379	576.1	.00176	.000342	.00213	.000414	
325	8.0	1.5	1.1	.95587	572.5	.00216	.000420	.00214	.000416	
326	8.0	1.0	1.6	.93833	571.5	.00283	.000550	.00243	.000472	
327	8.0	.5	1.1	.94965	575.1	.00280	.000544	.00282	.000548	
328	8.0	.0	.6	.96718	578.1	.00196	.000381	.00233	.000453	
329	10.0	1.5	1.1	.96153	576.5	.00213	.000414	.00230	.000447	
330	10.0	1.0	1.6	.93947	570.8	.00301	.000585	.00260	.000505	
331	10.0	.5	1.1	.95191	573.8	.00229	.000445	.00217	.000422	
332	10.0	.0	.6	.97058	579.1	.00161	.000313	.00193	.000375	
333	12.0	1.5	1.1	.95983	575.1	.00233	.000453	.00239	.000464	
334	12.0	1.0	1.6	.93437	570.1	.00333	.000647	.00295	.000573	
335	12.0	.5	1.1	.94456	569.8	.00282	.000548	.00263	.000511	
336	12.0	.0	.6	.97228	580.8	.00174	.000338			
337	14.0	1.5	1.1	.96096	576.5	.00200	.000389	.00191	.000371	
338	14.0	1.0	1.6	.94173	573.8	.00316	.000614	.00297	.000577	
339	14.0	.5	1.1	.95078	575.1	.00256	.000497	.00234	.000455	
340	14.0	.0	.6	.97397	580.8	.00162	.000315	.00207	.000402	
341	18.0	1.5	1.1	.96605	579.5	.00199	.000387	.00192	.000373	
342	18.0	1.0	1.6	.95417	578.8	.00282	.000548	.00270	.000525	
343	18.0	.5	1.1	.96323	582.8	.00225	.000437	.00227	.000441	
344	18.0	.0	.6	.97567	581.1	.00152	.000295	.00169	.000328	
345	22.0	1.5	1.1	.96945	579.5	.00196	.000381	.00186	.000361	
346	22.0	1.0	1.6	.95983	580.5	.00253	.000492	.00246	.000478	
347	22.0	.5	1.1	.96662	580.8	.00200	.000389	.00185	.000359	
348	22.0	.0	.6	.98189	584.1	.00142	.000276	.00169	.000328	
349	26.0	1.5	1.1	.97058	579.5	.00178	.000346	.00167	.000325	
350	26.0	1.0	1.6	.96096	579.8	.00239	.000464	.00226	.000439	
351	26.0	.5	1.1	.96888	579.8	.00188	.000365	.00179	.000348	
352	26.0	.0	.6	.98416	584.8	.00126	.000245	.00162	.000315	
353	30.0	1.5	1.1	.97001	579.8	.00182	.000354	.00178	.000346	
354	30.0	1.0	1.6	.95361	575.1	.00293	.000569	.00263	.000511	
355	30.0	.5	1.1	.96492	579.5	.00235	.000457	.00230	.000447	
356	30.0	.0	.6	.98302	585.5	.00146	.000284	.00183	.000356	
357	4.0	-6.0	.6	.96549	579.1	.00216	.000420			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

11. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 10^{o}$ - Continued

(e) M = 3.51; R = 2.81×10^{6}; $T_t = 705^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95624	570.8	.00212	.000587			.95
2	2.0	.0		.94942	567.1	.00231	.000640			1.00
3	2.0	12.0		.95112	567.1	.00215	.000595			.95
4	8.0	.0		.94260	563.1	.00233	.000645			1.00
5	9.0	.0		.94374	563.8	.00230	.000637	.00230	.000637	.99
6	10.0	.0		.94601	564.8	.00225	.000623	.00213	.000590	.99
7	11.0	.0		.95340	574.1	.00310	.000859	.00327	.000906	1.34
8	11.5	.0		.95908	576.1	.00270	.000748			1.16
10	12.0	3.0		.96022	575.8	.00282	.000781			1.15
11	12.0	5.0		.95510	580.5	.00313	.000867			1.35
24	14.0	-12.0		.95169	568.1	.00228	.000631			1.01
42	50.0	-8.0		1.00567	592.5	.00080	.000222			.38
43	50.0	-5.0		1.00965	594.5	.00068	.000188			.33
46	58.0	.0		.95397	567.5	.00191	.000529			.84
47	58.0	6.0		.93010	554.5	.00226	.000626			.98
48	58.0	12.0		.92669	558.5	.00349	.000967			1.57
301	1.0	1.5	1.1	.92328	551.1	.00233	.000645	.00225	.000623	
302	1.0	1.0	1.6	.90055	543.1	.00349	.000967	.00298	.000825	
303	1.0	.5	1.1	.91817	558.8	.00319	.000883	.00330	.000914	
304	1.0	.0	.6	.94090	562.1	.00229	.000634	.00286	.000792	
305	2.0	1.5	1.1	.93124	557.5	.00236	.000654	.00254	.000703	
306	2.0	1.0	1.6	.90850	545.5	.00296	.000820			
307	2.0	.5	1.1	.92726	555.8	.00228	.000631	.00217	.000601	
308	2.0	.0	.6	.94601	562.1	.00158	.000438	.00203	.000562	
309	3.0	1.5	1.1	.93464	558.1	.00198	.000548	.00191	.000529	
310	3.0	1.0	1.6	.91930	548.5	.00233	.000645			
311	3.0	.5	1.1	.93635	559.8	.00232	.000643	.00251	.000695	
312	3.0	.0	.6	.95112	565.1	.00157	.000435	.00206	.000571	
313	4.0	1.5	1.1	.94090	559.1	.00190	.000526	.00191	.000529	
314	4.0	1.0	1.6	.92101	553.8	.00257	.000712	.00199	.000551	
315	4.0	.5	1.1	.93408	562.8	.00269	.000745	.00281	.000778	
316	4.0	.0	.6	.95453	567.1	.00156	.000432	.00205	.000568	
317	5.0	1.5	1.1	.94203	560.5	.00191	.000529	.00187	.000518	
318	5.0	1.0	1.6	.92669	553.8	.00231	.000640	.00193	.000535	
319	5.0	.5	1.1	.93692	559.8	.00231	.000640	.00226	.000626	
321	6.0	1.5	1.1	.94828	564.1	.00189	.000523	.00210	.000582	
322	6.0	1.0	1.6	.93010	555.1	.00231	.000640	.00179	.000496	
323	6.0	.5	1.1	.94090	563.5	.00212	.000587	.00215	.000595	
324	6.0	.0	.6	.95624	567.5	.00152	.000421	.00178	.000493	
325	8.0	1.5	1.1	.94942	564.5	.00189	.000523	.00186	.000515	
326	8.0	1.0	1.6	.93521	561.5	.00239	.000662	.00206	.000571	
327	8.0	.5	1.1	.94431	569.5	.00209	.000579	.00210	.000582	
328	8.0	.0	.6	.95965	569.8	.00157	.000435	.00190	.000526	
329	10.0	1.5	1.1	.95510	568.1	.00188	.000521	.00207	.000573	
330	10.0	1.0	1.6	.93635	562.8	.00236	.000654	.00216	.000598	
331	10.0	.5	1.1	.94487	565.1	.00198	.000548	.00183	.000507	
332	10.0	.0	.6	.96192	570.1	.00130	.000360	.00159	.000440	
333	12.0	1.5	1.1	.95340	567.1	.00188	.000521	.00193	.000535	
334	12.0	1.0	1.6	.93294	560.1	.00274	.000759	.00241	.000667	
335	12.0	.5	1.1	.94033	563.8	.00225	.000623	.00190	.000526	
336	12.0	.0	.6	.96533	572.5	.00150	.000415	.00197	.000546	
337	14.0	1.5	1.1	.95453	568.5	.00158	.000438	.00147	.000407	
338	14.0	1.0	1.6	.94090	564.5	.00271	.000751	.00256	.000709	
339	14.0	.5	1.1	.94715	567.8	.00223	.000618	.00203	.000562	
340	14.0	.0	.6	.96704	572.8	.00127	.000352	.00149	.000468	
341	18.0	1.5	1.1	.96022	570.5	.00161	.000446	.00155	.000429	
342	18.0	1.0	1.6	.95112	571.8	.00233	.000645	.00239	.000662	
343	18.0	.5	1.1	.95851	573.5	.00207	.000573	.00209	.000579	
344	18.0	.0	.6	.96817	573.1	.00127	.000352	.00139	.000385	
345	22.0	1.5	1.1	.96363	576.1	.00158	.000438	.00138	.000382	
346	22.0	1.0	1.6	.95510	570.8	.00227	.000629	.00221	.000612	
347	22.0	.5	1.1	.96078	571.1	.00186	.000515	.00170	.000471	
348	22.0	.0	.6	.97499	576.5	.00114	.000316	.00147	.000407	
349	26.0	1.5	1.1	.96419	571.8	.00150	.000415	.00144	.000399	
350	26.0	1.0	1.6	.95397	569.1	.00208	.000576	.00194	.000537	
351	26.0	.5	1.1	.96022	573.8	.00160	.000443	.00147	.000407	
352	26.0	.0	.6	.97499	576.5	.00108	.000299			
353	30.0	1.5	1.1	.96363	574.8	.00154	.000427	.00149	.000413	
354	30.0	1.0	1.6	.94942	571.1	.00213	.000590	.00185	.000512	
355	30.0	.5	1.1	.95908	571.1	.00188	.000521	.00180	.000499	
356	30.0	.0	.6	.97499	577.1	.00120	.000332			
357	4.0	-6.0	.6	.95738	569.5	.00188	.000521			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

11. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 10^{0}$ - Continued

(f) M = 3.51; R = 1.82×10^{6}; $T_t = 701^{0}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{0}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.96541	574.8	.00131	.000373			.89
2	2.0	.0		.95974	572.5	.00141	.000402			.94
3	2.0	12.0		.95974	571.1	.00138	.000393			.93
4	8.0	.0		.95124	566.5	.00141	.000402			.86
5	9.0	.0		.95350	567.8	.00136	.000388	.00134	.000382	.90
6	10.0	.0		.95747	569.8	.00136	.000388	.00122	.000348	.86
7	11.0	.0		.96201	578.5	.00222	.000633	.00251	.000716	1.48
8	11.5	.0		.96654	577.8	.00167	.000476			1.05
10	12.0	3.0		.96711	578.1	.00165	.000470			1.00
11	12.0	5.0		.96314	578.1	.00218	.000621			1.37
24	14.0	-12.0		.95917	572.5	.00141	.000402			.94
42	50.0	-8.0		1.01018	596.5	.00051	.000145			.36
43	50.0	-5.0		1.01584	599.5	.00045	.000128			.29
46	58.0	.0		.96484	573.5	.00126	.000359			.91
47	58.0	6.0		.94613	563.1	.00136	.000388			.92
48	58.0	12.0		.93479	561.5	.00225	.000641			1.62
301	1.0	1.5	1.1	.93309	558.5	.00137	.000391	.00124	.000353	
302	1.0	1.0	1.6	.91552	548.5	.00209	.000596			
303	1.0	.5	1.1	.92856	558.5	.00190	.000542	.00196	.000559	
304	1.0	.0	.6	.94670	563.8	.00131	.000373			
305	2.0	1.5	1.1	.93933	558.5	.00115	.000328	.00127	.000362	
306	2.0	1.0	1.6	.92345	553.5	.00149	.000425			
307	2.0	.5	1.1	.93819	559.8	.00132	.000376	.00127	.000362	
308	2.0	.0	.6	.95294	565.1	.00093	.000265			
309	3.0	1.5	1.1	.94557	560.8	.00101	.000288	.00092	.000262	
310	3.0	1.0	1.6	.93423	556.8	.00132	.000376			
311	3.0	.5	1.1	.94727	564.5	.00132	.000376	.00159	.000453	
312	3.0	.0	.6	.95804	567.8	.00087	.000248			
313	4.0	1.5	1.1	.95124	564.8	.00092	.000262	.00099	.000282	
314	4.0	1.0	1.6	.93649	559.5	.00146	.000416			
315	4.0	.5	1.1	.94557	564.5	.00137	.000391	.00141	.000402	
316	4.0	.0	.6	.96087	569.5	.00086	.000245			
317	5.0	1.5	1.1	.95237	564.8	.00104	.000296	.00099	.000282	
318	5.0	1.0	1.6	.94216	562.8	.00126	.000359			
319	5.0	.5	1.1	.94897	564.8	.00124	.000353	.00122	.000348	
321	6.0	1.5	1.1	.95917	568.5	.00087	.000248	.00109	.000311	
322	6.0	1.0	1.6	.94443	562.8	.00131	.000373			
323	6.0	.5	1.1	.95237	566.8	.00112	.000319	.00115	.000328	
324	6.0	.0	.6	.96371	571.1	.00077	.000220			
325	8.0	1.5	1.1	.95917	568.8	.00099	.000282	.00092	.000262	
326	8.0	1.0	1.6	.94953	566.5	.00131	.000373	.00105	.000299	
327	8.0	.5	1.1	.95691	570.8	.00130	.000371	.00133	.000379	
328	8.0	.0	.6	.96824	573.5	.00085	.000242			
329	10.0	1.5	1.1	.96541	572.8	.00092	.000262	.00109	.000311	
330	10.0	1.0	1.6	.95067	567.8	.00132	.000376	.00101	.000288	
331	10.0	.5	1.1	.95747	569.5	.00123	.000351	.00115	.000328	
332	10.0	.0	.6	.97108	574.8	.00074	.000211			
333	12.0	1.5	1.1	.96428	573.1	.00103	.000294	.00108	.000308	
334	12.0	1.0	1.6	.94897	567.5	.00145	.000413	.00114	.000325	
335	12.0	.5	1.1	.95464	570.1	.00116	.000331	.00089	.000254	
336	12.0	.0	.6	.97335	576.5	.00076	.000217			
337	14.0	1.5	1.1	.96654	572.8	.00090	.000257	.00079	.000225	
338	14.0	1.0	1.6	.95691	571.1	.00136	.000388	.00125	.000356	
339	14.0	.5	1.1	.96201	572.8	.00123	.000351	.00114	.000325	
340	14.0	.0	.6	.97562	577.5	.00074	.000211			
341	18.0	1.5	1.1	.97335	577.1	.00097	.000277	.00090	.000257	
342	18.0	1.0	1.6	.96711	578.8	.00132	.000376	.00122	.000348	
343	18.0	.5	1.1	.97448	579.1	.00120	.000342	.00127	.000362	
344	18.0	.0	.6	.98015	579.8	.00078	.000222	.00095	.000271	
345	22.0	1.5	1.1	.97618	578.5	.00085	.000242	.00079	.000225	
346	22.0	1.0	1.6	.96938	577.1	.00122	.000348	.00116	.000331	
347	22.0	.5	1.1	.97335	577.5	.00090	.000257	.00076	.000217	
348	22.0	.0	.6	.98525	582.1	.00061	.000174	.00089	.000254	
349	26.0	1.5	1.1	.97562	577.8	.00090	.000257	.00082	.000234	
350	26.0	1.0	1.6	.96768	575.5	.00122	.000348	.00111	.000316	
351	26.0	.5	1.1	.97165	576.5	.00090	.000257	.00080	.000228	
352	26.0	.0	.6	.98355	580.8	.00063	.000180	.00087	.000248	
353	30.0	1.5	1.1	.97618	578.5	.00081	.000231	.00078	.000222	
354	30.0	1.0	1.6	.96711	576.8	.00128	.000365	.00110	.000314	
355	30.0	.5	1.1	.97391	578.1	.00090	.000257	.00089	.000254	
356	30.0	.0	.6	.98469	582.1	.00064	.000182	.00089	.000254	
357	4.0	-6.0	.6	.96371	574.1	.00091	.000259			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{0}R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Continued

11. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 10^{\circ}$ - Continued

(g) M = 4.44; R = 3.23×10^6; $T_t = 676^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95673	574.1	.00129	.000460			.87
2	2.0	.0		.95336	570.5	.00143	.000510			.97
3	2.0	12.0		.95336	573.5	.00124	.000442			.91
4	8.0	.0		.94718	567.1	.00139	.000496			.84
5	9.0	.0		.94886	568.8	.00129	.000460	.00126	.000450	.80
6	10.0	.0		.95224	568.8	.00128	.000457	.00113	.000403	.78
7	11.0	.0		.95842	576.8	.00182	.000649	.00215	.000767	1.11
8	11.5	.0		.96403	578.8	.00155	.000553			1.03
10	12.0	3.0		.96291	577.8	.00152	.000542			.92
11	12.0	5.0		.95785	576.8	.00190	.000678			1.25
24	14.0	-12.0		.95111	570.5	.00129	.000460			.87
42	50.0	-8.0		1.00785	599.5	.00050	.000178			.38
43	50.0	-5.0		1.00561	597.8	.00046	.000164			.34
48	58.0	12.0		.92920	564.5	.00182	.000649			1.56
301	1.0	1.5	1.1	.92864	556.5	.00143	.000510	.00141	.000503	
302	1.0	1.0	1.6	.90729	546.1	.00201	.000717			
303	1.0	.5	1.1	.92021	556.1	.00208	.000742	.00224	.000799	
304	1.0	.0	.6	.94268	566.8	.00147	.000524			
305	2.0	1.5	1.1	.93875	561.1	.00115	.000410	.00134	.000478	
307	2.0	.5	1.1	.93201	559.1	.00144	.000514	.00139	.000496	
308	2.0	.0	.6	.94886	566.1	.00127	.000453			
309	3.0	1.5	1.1	.94268	563.5	.00121	.000432	.00132	.000471	
310	3.0	1.0	1.6	.92976	556.1	.00131	.000467			
311	3.0	.5	1.1	.94381	563.1	.00128	.000457	.00147	.000524	
312	3.0	.0	.6	.95504	568.5	.00083	.000296			
313	4.0	1.5	1.1	.94718	564.5	.00090	.000321	.00108	.000385	
314	4.0	1.0	1.6	.93201	557.8	.00131	.000467			
315	4.0	.5	1.1	.94268	564.8	.00132	.000471	.00153	.000546	
316	4.0	.0	.6	.95729	569.8	.00078	.000278			
317	5.0	1.5	1.1	.94774	564.5	.00084	.000300	.00072	.000257	
318	5.0	1.0	1.6	.93594	560.1	.00140	.000499			
319	5.0	.5	1.1	.94437	566.8	.00131	.000467	.00130	.000464	
321	6.0	1.5	1.1	.95448	568.8	.00084	.000300			
322	6.0	1.0	1.6	.93706	559.8	.00130	.000464			
323	6.0	.5	1.1	.94662	567.5	.00129	.000460	.00128	.000457	
324	6.0	.0	.6	.95898	571.5	.00088	.000314			
325	8.0	1.5	1.1	.95448	569.1	.00089	.000318	.00084	.000300	
326	8.0	1.0	1.6	.94605	565.1	.00129	.000460			
327	8.0	.5	1.1	.95504	571.8	.00116	.000414	.00135	.000482	
328	8.0	.0	.6	.96572	574.8	.00085	.000303			
329	10.0	1.5	1.1	.96235	574.1	.00076	.000271			
330	10.0	1.0	1.6	.94605	567.1	.00141	.000503			
331	10.0	.5	1.1	.95448	569.8	.00103	.000367	.00090	.000321	
332	10.0	.0	.6	.96797	575.8	.00065	.000232			
333	12.0	1.5	1.1	.96179	573.5	.00088	.000314	.00108	.000385	
334	12.0	1.0	1.6	.94549	566.1	.00157	.000560			
335	12.0	.5	1.1	.95280	569.8	.00120	.000428			
336	12.0	.0	.6	.97078	577.5	.00065	.000232			
337	14.0	1.5	1.1	.96403	574.1	.00072	.000257	.00070	.000250	
338	14.0	1.0	1.6	.95167	570.1	.00131	.000467	.00103	.000367	
339	14.0	.5	1.1	.95785	572.1	.00106	.000378	.00085	.000303	
340	14.0	.0	.6	.97246	578.1	.00071	.000253			
341	18.0	1.5	1.1	.97078	577.8	.00071	.000253	.00065	.000232	
342	18.0	1.0	1.6	.96347	577.5	.00127	.000453	.00104	.000371	
343	18.0	.5	1.1	.97078	578.8	.00097	.000346	.00102	.000364	
344	18.0	.0	.6	.97752	581.1	.00068	.000243	.00090	.000321	
345	22.0	1.5	1.1	.97471	580.1	.00082	.000293	.00069	.000246	
346	22.0	1.0	1.6	.96965	580.1	.00113	.000403	.00116	.000414	
347	22.0	.5	1.1	.97190	579.1	.00088	.000314	.00065	.000232	
348	22.0	.0	.6	.98201	583.5	.00070	.000250			
349	26.0	1.5	1.1	.97471	579.8	.00077	.000275	.00075	.000268	
350	26.0	1.0	1.6	.96909	578.5	.00125	.000446	.00120	.000428	
351	26.0	.5	1.1	.97134	578.1	.00067	.000239			
352	26.0	.0	.6	.98089	581.8	.00047	.000168			
353	30.0	1.5	1.1	.97415	579.1	.00062	.000221			
354	30.0	1.0	1.6	.96853	577.8	.00087	.000310	.00076	.000271	
355	30.0	.5	1.1	.97527	580.1	.00070	.000250	.00065	.000232	
356	30.0	.0	.6	.98314	583.5	.00047	.000168			
357	4.0	-6.0	.6	.96010	571.8	.00083	.000296			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE II.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 1.50 INCHES - Concluded

11. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 10^{o}$ - Concluded

(h) M = 4.44; R = 2.15×10^{6}; $T_t = 676^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95739	573.8	.00093	.000500			.89
2	2.0	.0		.95346	570.8	.00100	.000537			.85
3	2.0	12.0		.95290	572.5	.00086	.000462			.74
4	8.0	.0		.94730	566.8	.00101	.000543			1.00
5	9.0	.0		.94954	568.1	.00100	.000537	.00097	.000521	.94
6	10.0	.0		.95402	570.5	.00100	.000537	.00087	.000467	.99
7	11.0	.0		.95739	576.8	.00162	.000870	.00198	.001064	1.62
8	11.5	.0		.95963	575.8	.00133	.000715			1.32
10	12.0	3.0		.95851	574.8	.00127	.000682			1.25
11	12.0	5.0		.95627	578.1	.00141	.000758			1.33
24	14.0	-12.0		.95122	571.1	.00098	.000527			1.10
42	50.0	-8.0		1.00784	599.1	.00029	.000156			.33
43	50.0	-5.0		1.01289	601.8	.00024	.000129			.29
46	58.0	.0		.96243	574.8	.00076	.000408			.86
47	58.0	6.0		.95346	570.8	.00078	.000419			.88
48	58.0	12.0		.93608	565.8	.00143	.000768			1.68
301	1.0	1.5	1.1	.92319	554.1	.00104	.000559	.00096	.000516	
302	1.0	1.0	1.6	.90637	545.5	.00146	.000784			
303	1.0	.5	1.1	.91702	554.8	.00148	.000795	.00150	.000806	
304	1.0	.0	.6	.93440	560.5	.00108	.000580	.00186	.000999	
305	2.0	1.5	1.1	.92936	558.1	.00088	.000473	.00094	.000505	
306	2.0	1.0	1.6	.91310	548.8	.00167	.000897			
307	2.0	.5	1.1	.92655	556.5	.00102	.000548	.00088	.000473	
308	2.0	.0	.6	.94001	561.8	.00067	.000360			
309	3.0	1.5	1.1	.93552	558.8	.00063	.000338	.00062	.000333	
310	3.0	1.0	1.6	.92543	553.8	.00078	.000419			
311	3.0	.5	1.1	.93685	561.8	.00087	.000467	.00114	.000613	
312	3.0	.0	.6	.94562	564.5	.00064	.000344			
313	4.0	1.5	1.1	.93945	560.8	.00061	.000328	.00074	.000398	
314	4.0	1.0	1.6	.92711	555.5	.00088	.000473			
315	4.0	.5	1.1	.93608	562.5	.00088	.000473	.00096	.000516	
316	4.0	.0	.6	.94674	564.8	.00052	.000279			
317	5.0	1.5	1.1	.94057	561.5	.00064	.000344	.00054	.000290	
318	5.0	1.0	1.6	.93216	558.8	.00108	.000580			
319	5.0	.5	1.1	.93833	562.5	.00090	.000484	.00090	.000484	
321	6.0	1.5	1.1	.94730	565.5	.00077	.000414			
322	6.0	1.0	1.6	.93328	558.5	.00077	.000414			
323	6.0	.5	1.1	.94113	563.1	.00075	.000403	.00074	.000398	
324	6.0	.0	.6	.95122	567.5	.00076	.000408			
325	8.0	1.5	1.1	.94786	566.1	.00052	.000279			
326	8.0	1.0	1.6	.94113	562.8	.00086	.000462			
327	8.0	.5	1.1	.94842	568.5	.00080	.000430	.00090	.000484	
328	8.0	.0	.6	.95739	571.1	.00057	.000306			
329	10.0	1.5	1.1	.95571	570.8	.00053	.000285			
330	10.0	1.0	1.6	.94337	564.8	.00100	.000537			
331	10.0	.5	1.1	.94954	567.8	.00069	.000371	.00059	.000317	
332	10.0	.0	.6	.94075	572.5	.00051	.000274			
333	12.0	1.5	1.1	.95571	571.1	.00064	.000344	.00077	.000414	
334	12.0	1.0	1.6	.94281	564.8	.00087	.000467			
335	12.0	.5	1.1	.94842	566.8	.00079	.000424			
336	12.0	.0	.6	.96412	575.1	.00039	.000210			
337	14.0	1.5	1.1	.95907	572.5	.00063	.000338	.00058	.000312	
338	14.0	1.0	1.6	.95122	569.8	.00079	.000424	.00059	.000317	
339	14.0	.5	1.1	.95571	571.5	.00077	.000414	.00064	.000344	
340	14.0	.0	.6	.96636	575.8	.00051	.000274			
341	18.0	1.5	1.1	.96580	576.5	.00075	.000403	.00064	.000344	
342	18.0	1.0	1.6	.96131	575.5	.00085	.000457	.00072	.000387	
343	18.0	.5	1.1	.96748	577.8	.00075	.000403	.00083	.000446	
344	18.0	.0	.6	.97140	578.8	.00044	.000236	.00061	.000328	
345	22.0	1.5	1.1	.96916	578.1	.00051	.000274			
346	22.0	1.0	1.6	.96580	577.8	.00070	.000376	.00072	.000387	
347	22.0	.5	1.1	.96748	577.1	.00052	.000279			
349	26.0	1.5	1.1	.96916	578.1	.00043	.000231	.00046	.000247	
350	26.0	1.0	1.6	.96468	576.5	.00064	.000344	.00059	.000317	
351	26.0	.5	1.1	.96580	575.8	.00051	.000274			
353	30.0	1.5	1.1	.96860	577.1	.00050	.000269			
354	30.0	1.0	1.6	.96524	576.8	.00064	.000344	.00053	.000285	
355	30.0	.5	1.1	.97028	578.5	.00051	.000274			
356	30.0	.0	.6	.97645	580.8	.00033	.000177			
357	4.0	-6.0	.6	.95066	567.1	.00057	.000306			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES

1. Flat Plate Alone

(a) M = 2.65; R = 3.85×10^6; $T_t = 720^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h_o (b)	N_{St}	$h_{o,c}$ (b)	$N_{St,c}$
1	2.0	-12.0		.94776	587.1	.00313	.000445		
2	2.0	.0		.94941	589.8	.00298	.000424		
3	2.0	12.0		.94941	589.5	.00297	.000422		
4	8.0	.0		.94721	586.5	.00308	.000438		
5	9.0	.0		.94666	585.8	.00332	.000472	.00331	.000470
6	10.0	.0		.94666	585.8	.00305	.000433	.00306	.000435
7	11.0	.0		.94611	585.5	.00332	.000472	.00328	.000466
8	11.5	.0		.94721	586.1	.00303	.000431	.00305	.000433
9	12.0	1.0		.94611	585.5	.00304	.000432	.00304	.000432
10	12.0	3.0		.94556	585.1	.00332	.000472	.00332	.000472
11	12.0	5.0		.94556	584.8	.00331	.000470		
12	14.0	4.0		.94721	585.8	.00302	.000429	.00287	.000408
13	14.0	1.0		.94831	586.8	.00307	.000436	.00314	.000446
14	14.0	.0		.94776	588.8	.00312	.000443	.00311	.000442
15	14.0	-1.0		.94776	586.5	.00331	.000470	.00332	.000472
16	14.0	-2.0		.94669	586.1	.00308	.000438	.00305	.000433
17	13.0	-2.0		.94831	586.5	.00304	.000432		
18	12.0	-3.0		.94779	586.8	.00314	.000446		
19	14.0	-3.0		.94721	586.5	.00315	.000448	.00319	.000453
20	14.0	-4.0		.94446	585.1	.00313	.000445	.00310	.000441
21	16.0	-4.0		.94446	584.8	.00333	.000473	.00332	.000472
22	14.0	-6.0		.94666	586.8	.00321	.000456	.00323	.000459
23	14.0	-8.0		.94611	586.1	.00318	.000452	.00318	.000452
24	14.0	-12.0		.94611	586.5	.00339	.000482		
25	16.0	-8.0		.94391	584.8	.00321	.000456	.00320	.000455
26	18.0	-8.0		.94501	585.5	.00320	.000455		
27	16.0	-2.0		.94776	586.8	.00311	.000442	.00313	.000445
28	18.0	-2.0		.94391	584.5	.00311	.000442	.00310	.000441
29	20.0	-3.0		.94666	585.8	.00311	.000442	.00313	.000445
30	18.0	-4.0		.94556	585.5	.00309	.000439	.00309	.000439
31	20.0	-4.0		.94556	585.8	.00313	.000445	.00316	.000449
32	20.0	-5.0		.94336	584.5	.00315	.000448	.00312	.000443
33	20.0	-6.0		.94336	584.5	.00317	.000451	.00316	.000449
34	20.0	-7.0		.94501	585.1	.00316	.000449		
36	20.0	-12.0		1.00329	619.8	.00309	.000439		
37	14.0	5.0		.99285	613.1	.00290	.000412	.00351	.000499
39	32.0	8.0		.97250	600.1	.00305	.000433	.00315	.000448
40	32.0	10.0		.96591	596.1	.00317	.000451	.00317	.000451
41	32.0	12.0		.96151	592.8	.00305	.000433		
42	50.0	-8.0		.95436	587.1	.00316	.000449		
43	50.0	-5.0		.94776	584.5	.00320	.000455		
44	50.0	.0		.94611	583.8	.00326	.000463		
45	50.0	6.0		.94501	581.5	.00303	.000431		
46	58.0	.0		.93786	579.5	.00293	.000416		
47	58.0	6.0		.94171	582.5	.00317	.000451		
48	58.0	12.0		.94171	580.8	.00315	.000448		
49	32.0	-7.0		.93676	578.5	.00330	.000469	.00323	.000459
50	32.0	-8.0		.93841	579.1	.00323	.000459	.00323	.000459
51	32.0	-10.0		.93696	580.1	.00338	.000480	.00339	.000482
52	32.0	-12.0		.93676	579.1	.00340	.000483		
53	42.0	-7.0		.93731	579.5	.00321	.000456		
54	42.0	-8.0		.93512	578.5	.00323	.000459	.00317	.000451
55	42.0	-9.0		.93841	580.5	.00329	.000468	.00336	.000478
56	42.0	-10.0		.93621	578.5	.00323	.000459	.00320	.000455
57	42.0	-12.0		.93786	579.8	.00322	.000458		
59	58.0	-8.0		.93731	580.1	.00322	.000458		
60	58.0	-12.0		.94061	582.8	.00324	.000460		
61	14.0	8.0		.93731	579.8	.00313	.000445	.00303	.000431
62	14.0	12.0		.94061	581.5	.00332	.000472		
63	20.0	7.0		.94171	581.1	.00302	.000429		
64	20.0	8.0		.94556	583.5	.00298	.000424	.00302	.000429
65	20.0	10.0		.94391	583.8	.00332	.000472	.00332	.000472
66	20.0	12.0		.94336	583.5	.00306	.000435		
67	28.0	-7.0		.94006	582.5	.00320	.000455		
68	26.0	.0		.94116	581.8	.00303	.000431		
69	30.0	8.0		.94391	585.1	.00311	.000442		
70	36.0	.0		.94281	583.1	.00332	.000472		
71	42.0	.0		.94446	584.8	.00312	.000443		
72	42.0	12.0		.93896	581.8	.00336	.000478		
73	14.0	2.0		.94281	583.8	.00310	.000441	.00304	.000432
75	18.0	.0		.94281	583.1	.00306	.000435		
76	26.0	.0		.94281	583.1	.00305	.000433		
77	20.0	-1.0		.94391	584.5	.00316	.000449	.00318	.000452
78	20.0	-2.0		.94391	584.8	.00317	.000451	.00316	.000449
79	32.0	-4.0		.94281	584.1	.00315	.000448		
80	32.0	-5.0		.94611	586.5	.00323	.000459	.00332	.000472
81	32.0	4.0		.94391	583.8	.00302	.000429		
82	32.0	6.0		.94281	583.1	.00332	.000472	.00325	.000462
83	42.0	-5.0		.94116	582.8	.00319	.000453		

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

1. Flat Plate Alone - Continued

(b) M = 2.65; R = 2.50 × 10^6; T_t = 717° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h_o (b)	N_{St}	$h_{o,c}$ (b)	$N_{St,c}$
1	2.0	-12.0		.95549	582.1	.00243	.000534		
2	2.0	.0		.95772	582.8	.00223	.000490		
3	2.0	12.0		.95772	582.8	.00200	.000440		
4	8.0	.0		.95438	581.1	.00224	.000492		
5	9.0	.0		.95327	580.5	.00224	.000492	.00223	.000490
6	10.0	.0		.95327	580.5	.00224	.000492	.00225	.000495
7	11.0	.0		.95271	579.8	.00220	.000484	.00215	.000474
8	11.5	.0		.95383	580.8	.00222	.000488	.00224	.000492
9	12.0	1.0		.95271	580.1	.00223	.000490	.00223	.000490
10	12.0	3.0		.95216	579.8	.00225	.000495	.00225	.000495
11	12.0	5.0		.95216	579.5	.00205	.000451		
12	14.0	4.0		.95383	580.5	.00224	.000492	.00224	.000492
13	14.0	1.0		.95438	581.1	.00224	.000492	.00223	.000490
14	14.0	.0		.95383	580.8	.00222	.000488	.00221	.000486
15	14.0	-1.0		.95383	580.8	.00225	.000495	.00226	.000497
16	14.0	-2.0		.95327	580.5	.00223	.000490	.00220	.000484
17	13.0	-2.0		.95383	580.8	.00219	.000481		
18	12.0	-3.0		.95438	581.1	.00228	.000501		
19	14.0	-3.0		.95327	580.8	.00229	.000503	.00233	.000512
20	14.0	-4.0		.94993	579.1	.00231	.000508	.00227	.000499
21	16.0	-4.0		.95049	578.8	.00223	.000490	.00222	.000488
22	14.0	-6.0		.95271	580.8	.00233	.000512	.00234	.000514
23	14.0	-8.0		.95216	580.1	.00232	.000510	.00232	.000510
24	14.0	-12.0		.95271	580.5	.00243	.000534		
25	16.0	-8.0		.94993	578.8	.00235	.000517	.00234	.000514
26	18.0	-8.0		.95104	579.5	.00231	.000508		
27	16.0	-2.0		.95327	580.8	.00228	.000501	.00229	.000503
28	18.0	-2.0		.94882	578.1	.00229	.000503	.00227	.000499
29	20.0	-3.0		.95160	579.5	.00221	.000486	.00221	.000486
30	18.0	-4.0		.95104	579.1	.00223	.000490	.00223	.000490
31	20.0	-4.0		.95160	579.5	.00224	.000492	.00227	.000499
32	20.0	-5.0		.94882	578.1	.00227	.000499	.00224	.000492
33	20.0	-6.0		.94938	578.5	.00229	.000503	.00227	.000499
34	20.0	-7.0		.95049	579.1	.00230	.000506		
36	20.0	-12.0		.95160	580.1	.00235	.000517		
37	14.0	5.0		.95438	580.8	.00224	.000492	.00219	.000481
38	14.0	6.0		.95383	580.8	.00225	.000495	.00227	.000499
39	32.0	8.0		.95271	580.5	.00211	.000464	.00212	.000466
40	32.0	10.0		.95271	580.5	.00223	.000490	.00223	.000490
41	32.0	12.0		.95271	580.5	.00229	.000503		
42	50.0	-8.0		.94938	578.8	.00233	.000512		
43	50.0	-5.0		.94771	577.5	.00232	.000510		
44	50.0	.0		.95049	578.8	.00216	.000475		
45	50.0	6.0		.95049	578.5	.00219	.000481		
46	58.0	.0		.94604	576.1	.00228	.000501		
47	58.0	6.0		.95104	579.1	.00220	.000484		
48	58.0	12.0		.95216	580.5	.00230	.000506		
49	32.0	-7.0		.94715	579.5	.00248	.000545	.00244	.000536
50	32.0	-8.0		.94938	578.8	.00235	.000517	.00236	.000519
51	32.0	-10.0		.95049	579.5	.00240	.000527	.00241	.000530
52	32.0	-12.0		.94826	578.1	.00241	.000530		
53	42.0	-7.0		.94938	578.8	.00233	.000512		
54	42.0	-8.0		.94771	577.5	.00237	.000521	.00231	.000508
55	42.0	-9.0		.95049	579.5	.00235	.000517	.00242	.000532
56	42.0	-10.0		.94771	577.8	.00235	.000517	.00232	.000510
57	42.0	-12.0		.94938	578.8	.00245	.000538		
59	56.0	-8.0		.94882	578.5	.00232	.000510		
60	58.0	-12.0		.95271	580.8	.00233	.000512		
61	14.0	8.0		.94938	578.1	.00226	.000497	.00225	.000495
62	14.0	12.0		.95216	580.1	.00222	.000488		
63	20.0	7.0		.95216	579.5	.00207	.000455		
64	20.0	8.0		.95605	581.8	.00206	.000453	.00210	.000462
65	20.0	10.0		.95438	581.1	.00207	.000455	.00207	.000455
66	20.0	12.0		.95383	580.5	.00205	.000451		
67	28.0	-7.0		.94938	578.8	.00233	.000512		
68	26.0	.0		.94993	578.5	.00225	.000495		
69	30.0	8.0		.95271	580.1	.00221	.000486		
70	36.0	.0		.95104	579.1	.00221	.000486		
71	42.0	.0		.95327	580.5	.00222	.000488		
72	42.0	12.0		.94771	577.8	.00230	.000506		
73	14.0	2.0		.95104	579.5	.00213	.000468	.00210	.000462
75	18.0	.0		.95049	578.8	.00220	.000484		
76	20.0	.0		.95049	578.8	.00212	.000466		
77	20.0	-1.0		.95160	579.5	.00223	.000490	.00225	.000495
78	20.0	-2.0		.95049	579.1	.00226	.000497	.00225	.000495
79	32.0	-4.0		.94993	578.8	.00229	.000503		
80	32.0	-5.0		.95327	581.1	.00233	.000512	.00239	.000525
81	32.0	4.0		.95160	579.1	.00204	.000448		
82	32.0	6.0		.94993	580.1	.00211	.000464	.00210	.000462
83	42.0	-5.0		.94771	577.5	.00232	.000510		

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

1. Flat Plate Alone - Continued

(c) M = 2.65; R = 1.27×10^6; T_t = 711° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h_o (b)	N_{St}	$h_{o,c}$ (b)	$N_{St,c}$
1	2.0	-12.0		.95767	581.8	.00128	.000559		
2	2.0	.0		.95990	582.8	.00127	.000554		
3	2.0	12.0		.95990	580.1	.00111	.000484		
4	8.0	.0		.95712	580.8	.00127	.000554		
5	9.0	.0		.95545	577.8	.00128	.000559	.00126	.000550
6	10.0	.0		.95600	577.8	.00127	.000554	.00129	.000563
7	11.0	.0		.95489	579.8	.00128	.000559	.00122	.000532
8	11.5	.0		.95600	580.5	.00128	.000559	.00130	.000567
9	12.0	1.0		.95489	579.8	.00128	.000559	.00128	.000559
10	12.0	3.0		.95489	578.5	.00120	.000524	.00120	.000524
11	12.0	5.0		.95489	578.1	.00120	.000524		
12	14.0	4.0		.95600	579.1	.00120	.000524	.00120	.000524
13	14.0	1.0		.95712	579.8	.00117	.000511	.00125	.000546
14	14.0	.0		.95656	580.5	.00127	.000554	.00126	.000550
15	14.0	-1.0		.95600	580.5	.00128	.000559	.00128	.000559
16	14.0	-2.0		.95656	580.5	.00127	.000554	.00126	.000550
17	13.0	-2.0		.95656	579.5	.00120	.000524		
18	12.0	-3.0		.95767	581.1	.00127	.000554		
19	14.0	-3.0		.95656	580.8	.00128	.000559	.00133	.000580
20	14.0	-4.0		.95322	578.8	.00128	.000559	.00124	.000541
21	16.0	-4.0		.95322	578.8	.00128	.000559	.00127	.000554
22	14.0	-6.0		.95600	580.5	.00128	.000559	.00129	.000563
23	14.0	-8.0		.95545	580.1	.00128	.000559	.00128	.000559
24	14.0	-12.0		.95545	580.5	.00128	.000559		
25	16.0	-8.0		.95322	578.8	.00128	.000559	.00127	.000554
26	18.0	-8.0		.95377	578.1	.00121	.000528		
27	16.0	-2.0		.95600	580.5	.00128	.000559	.00129	.000563
28	18.0	-2.0		.95155	576.5	.00121	.000528	.00119	.000519
29	20.0	-3.0		.95433	578.5	.00133	.000580	.00133	.000580
30	18.0	-4.0		.95377	576.8	.00128	.000559	.00129	.000563
31	20.0	-4.0		.95433	577.1	.00128	.000559	.00132	.000576
32	20.0	-5.0		.95155	575.8	.00129	.000563	.00119	.000519
33	20.0	-6.0		.95210	578.1	.00128	.000559	.00127	.000554
34	20.0	-7.0		.95377	579.1	.00128	.000559		
36	20.0	-12.0		.95433	579.8	.00128	.000559		
37	14.0	5.0		.95656	579.5	.00120	.000524	.00122	.000532
38	14.0	6.0		.95656	578.1	.00113	.000493	.00114	.000498
39	32.0	8.0		.95545	578.8	.00120	.000524	.00121	.000528
40	32.0	10.0		.95489	579.8	.00128	.000559	.00128	.000559
41	32.0	12.0		.95489	579.8	.00128	.000559		
42	50.0	-8.0		.95377	579.1	.00128	.000559		
43	50.0	-5.0		.95155	577.8	.00128	.000559		
44	50.0	.0		.95322	577.5	.00121	.000528		
45	50.0	6.0		.95377	577.1	.00120	.000524		
46	58.0	.0		.94932	575.1	.00121	.000528		
47	58.0	6.0		.95433	579.1	.00128	.000559		
48	58.0	12.0		.95489	577.8	.00133	.000580		
49	32.0	-7.0		.95043	577.1	.00131	.000572	.00124	.000541
50	32.0	-8.0		.95266	576.5	.00136	.000594	.00138	.000602
51	32.0	-10.0		.95377	577.1	.00136	.000594	.00137	.000598
52	32.0	-12.0		.95155	575.8	.00136	.000594		
53	42.0	-7.0		.95266	578.8	.00129	.000563		
54	42.0	-8.0		.95099	575.5	.00136	.000594	.00130	.000567
55	42.0	-9.0		.95433	577.5	.00134	.000585	.00142	.000620
56	42.0	-10.0		.95099	576.8	.00134	.000585	.00131	.000572
57	42.0	-12.0		.95266	577.8	.00134	.000585		
59	58.0	-8.0		.95377	579.1	.00128	.000559		
60	58.0	-12.0		.95712	581.5	.00128	.000559		
61	14.0	8.0		.95155	576.5	.00121	.000528	.00120	.000524
62	14.0	12.0		.95489	579.8	.00128	.000559		
63	20.0	7.0		.95433	576.8	.00113	.000493		
64	20.0	8.0		.95767	578.8	.00113	.000493	.00116	.000506
65	20.0	10.0		.95712	580.8	.00127	.000554	.00127	.000554
66	20.0	12.0		.95600	578.8	.00120	.000524		
67	28.0	-7.0		.95322	578.8	.00128	.000559		
68	26.0	.0		.95210	576.8	.00121	.000528		
69	30.0	8.0		.95545	579.8	.00127	.000554		
70	36.0	.0		.95377	577.8	.00121	.000528		
71	42.0	.0		.95600	580.5	.00128	.000559		
72	42.0	12.0		.95043	577.5	.00129	.000563		
73	14.0	2.0		.95377	579.1	.00128	.000559	.00125	.000546
75	18.0	.0		.95266	578.5	.00128	.000559		
76	20.0	.0		.95266	577.1	.00121	.000528		
77	20.0	-1.0		.95377	578.1	.00121	.000528	.00124	.000541
78	20.0	-2.0		.95322	576.8	.00121	.000528	.00116	.000506
79	32.0	-4.0		.95210	578.5	.00129	.000563		
80	32.0	-5.0		.95600	578.8	.00136	.000594	.00142	.000620
81	32.0	4.0		.95377	577.5	.00120	.000524		
82	32.0	6.0		.95210	575.8	.00121	.000528	.00126	.000550
83	42.0	-5.0		.95099	577.5	.00129	.000563		

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

1. Flat Plate Alone - Continued

(d) M = 3.51; R = 4.00×10^6; $T_t = 707^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h_o (b)	N_{St}	$h_{o,c}$ (b)	$N_{St,c}$
1	2.0	-12.0		.93073	557.8	.00174	.000338		
2	2.0	.0		.93298	559.5	.00172	.000334		
3	2.0	12.0		.93354	560.8	.00196	.000381		
4	8.0	.0		.93073	558.1	.00176	.000342		
5	9.0	.0		.92904	557.1	.00191	.000371	.00190	.000369
6	10.0	.0		.92848	556.8	.00191	.000371	.00190	.000369
7	11.0	.0		.92848	556.8	.00191	.000371	.00175	.000340
8	11.5	.0		.93411	560.1	.00190	.000369	.00198	.000385
9	12.0	1.0		.92904	557.5	.00188	.000366	.00188	.000366
10	12.0	3.0		.92904	557.8	.00193	.000375	.00193	.000375
11	12.0	5.0		.92848	557.8	.00197	.000383		
12	14.0	4.0		.92904	557.8	.00190	.000369	.00190	.000369
13	14.0	1.0		.93129	558.8	.00191	.000371	.00193	.000375
14	14.0	.0		.93073	558.1	.00191	.000371	.00187	.000364
15	14.0	-1.0		.93298	559.5	.00175	.000340	.00180	.000350
16	14.0	-2.0		.93129	559.8	.00175	.000340	.00177	.000344
17	13.0	-2.0		.93073	558.1	.00191	.000371		
18	12.0	-3.0		.93073	557.8	.00190	.000369		
19	14.0	-3.0		.92960	557.5	.00179	.000348	.00180	.000350
20	14.0	-4.0		.92679	555.8	.00178	.000346	.00173	.000336
21	16.0	-4.0		.92679	555.8	.00176	.000342	.00175	.000340
22	14.0	-6.0		.93242	559.1	.00177	.000344	.00180	.000350
23	14.0	-8.0		.92904	556.8	.00191	.000371	.00190	.000369
24	14.0	-12.0		.93242	558.8	.00190	.000369		
25	16.0	-8.0		.92735	555.8	.00191	.000371	.00191	.000371
26	18.0	-8.0		.92510	554.5	.00173	.000336		
27	16.0	-2.0		.92735	556.1	.00180	.000350	.00179	.000348
28	18.0	-2.0		.92566	555.1	.00192	.000373	.00191	.000371
29	20.0	-3.0		.92341	553.8	.00192	.000373	.00179	.000348
30	18.0	-4.0		.92848	556.5	.00173	.000336	.00173	.000336
31	20.0	-4.0		.93073	558.1	.00191	.000371	.00200	.000389
32	20.0	-5.0		.92622	555.5	.00174	.000338	.00167	.000325
33	20.0	-6.0		.92791	556.1	.00172	.000334	.00172	.000334
34	20.0	-7.0		.92848	557.8	.00175	.000340		
36	20.0	-12.0		.92904	557.1	.00191	.000371		
37	14.0	5.0		.93073	558.8	.00197	.000383	.00197	.000383
38	14.0	6.0		.93185	559.8	.00198	.000385	.00201	.000391
39	32.0	8.0		.92904	558.1	.00210	.000408	.00210	.000408
40	32.0	10.0		.92904	558.5	.00207	.000403	.00207	.000403
41	32.0	12.0		.92735	559.1	.00214	.000416		
42	50.0	-8.0		.93129	558.1	.00174	.000338		
43	50.0	-5.0		.92566	555.1	.00192	.000373		
44	50.0	.0		.93017	558.1	.00188	.000366		
45	50.0	6.0		.92904	558.1	.00200	.000389		
46	58.0	.0		.92284	553.8	.00184	.000358		
47	58.0	6.0		.92848	557.8	.00200	.000389		
48	58.0	12.0		.93017	559.5	.00228	.000443		
49	32.0	-7.0		.92791	556.5	.00187	.000364	.00192	.000373
50	32.0	-8.0		.92735	556.1	.00178	.000346	.00177	.000344
51	32.0	-10.0		.92904	556.8	.00186	.000362	.00187	.000364
52	32.0	-12.0		.92735	556.1	.00193	.000375		
53	42.0	-7.0		.92791	556.5	.00181	.000352	.00182	.000354
54	42.0	-8.0		.92791	556.1	.00189	.000368	.00188	.000366
55	42.0	-9.0		.93129	558.1	.00180	.000350	.00188	.000366
56	42.0	-10.0		.92735	555.8	.00187	.000364	.00189	.000368
57	42.0	-12.0		.92679	555.8	.00180	.000350		
59	58.0	-8.0		.92960	557.5	.00191	.000371		
60	58.0	-12.0		.92960	557.1	.00190	.000369		
61	14.0	8.0		.92566	556.1	.00211	.000410	.00209	.000406
62	14.0	12.0		.93185	560.1	.00210	.000408		
63	20.0	7.0		.92960	558.5	.00197	.000383		
64	20.0	8.0		.93298	560.5	.00201	.000391	.00204	.000397
65	20.0	10.0		.93185	559.8	.00202	.000393	.00202	.000393
66	20.0	12.0		.93129	559.5	.00204	.000397		
67	28.0	-7.0		.93692	561.5	.00173	.000336		
68	26.0	.0		.92791	556.5	.00180	.000350		
69	30.0	8.0		.93073	559.1	.00204	.000397		
70	36.0	.0		.92960	557.8	.00191	.000371		
71	42.0	.0		.93185	559.1	.00181	.000352		
72	42.0	12.0		.92791	557.8	.00206	.000401		
73	14.0	2.0		.92622	556.1	.00190	.000369	.00185	.000360
75	18.0	.0		.92904	557.5	.00182	.000354		
76	20.0	.0		.92622	555.5	.00192	.000373		
77	20.0	-1.0		.92791	556.8	.00192	.000373	.00195	.000379
78	20.0	-2.0		.92735	556.5	.00181	.000352	.00185	.000360
79	32.0	-4.0		.92791	556.5	.00191	.000371		
80	32.0	-5.0		.91665	551.8	.00197	.000383	.00189	.000368
81	32.0	4.0		.92566	555.8	.00192	.000373		
82	32.0	6.0		.92848	557.8	.00200	.000389	.00201	.000391
83	42.0	-5.0		.92904	557.1	.00191	.000371		
84	42.0	-6.0		.92735	556.1	.00188	.000366	.00186	.000362

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

1. Flat Plate Alone - Continued

(e) M = 3.51; R = 2.79×10^6; $T_t = 706^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h_o (b)	N_{St}	$h_{o,c}$ (b)	$N_{St,c}$
1	2.0	-12.0		.93572	559.1	.00130	.000362		
2	2.0	.0		.93911	561.1	.00124	.000345		
3	2.0	12.0		.93967	562.1	.00137	.000381		
4	8.0	.0		.93629	559.8	.00130	.000362		
5	9.0	.0		.93460	558.5	.00134	.000373	.00133	.000370
6	10.0	.0		.93347	558.1	.00134	.000373	.00133	.000370
7	11.0	.0		.93403	558.1	.00133	.000370	.00123	.000342
8	11.5	.0		.93911	561.5	.00138	.000384	.00145	.000403
9	12.0	1.0		.93460	558.8	.00155	.000431	.00155	.000431
10	12.0	3.0		.93516	559.1	.00155	.000431	.00155	.000431
11	12.0	5.0		.93460	559.1	.00155	.000431		
12	14.0	4.0		.93516	559.1	.00155	.000431	.00155	.000431
13	14.0	1.0		.93685	559.8	.00135	.000376	.00141	.000392
14	14.0	.0		.93685	560.8	.00127	.000353	.00124	.000345
15	14.0	-1.0		.93854	560.8	.00134	.000373	.00138	.000384
16	14.0	-2.0		.93742	559.8	.00131	.000364	.00133	.000370
17	13.0	-2.0		.93629	559.5	.00131	.000364		
18	12.0	-3.0		.93685	559.5	.00131	.000364		
19	14.0	-3.0		.93516	558.5	.00126	.000351	.00127	.000353
20	14.0	-4.0		.93234	557.1	.00130	.000362	.00126	.000351
21	16.0	-4.0		.93234	557.1	.00130	.000362	.00130	.000362
22	14.0	-6.0		.93798	560.5	.00131	.000364	.00134	.000373
23	14.0	-8.0		.93516	558.1	.00125	.000348	.00124	.000345
24	14.0	-12.0		.93742	559.8	.00134	.000373		
25	16.0	-8.0		.93347	557.5	.00129	.000359	.00129	.000359
26	18.0	-8.0		.93121	556.1	.00132	.000367		
27	16.0	-2.0		.93291	557.5	.00132	.000367	.00131	.000364
28	18.0	-2.0		.93121	556.5	.00133	.000370	.00132	.000367
29	20.0	-3.0		.92952	558.5	.00132	.000367	.00112	.000312
30	18.0	-4.0		.93403	557.8	.00124	.000345	.00124	.000345
31	20.0	-4.0		.93685	559.5	.00131	.000364	.00144	.000401
32	20.0	-5.0		.93234	558.1	.00125	.000348	.00120	.000334
33	20.0	-6.0		.93403	557.8	.00127	.000353	.00128	.000356
34	20.0	-7.0		.93460	558.1	.00129	.000359		
36	20.0	-12.0		.93460	558.1	.00130	.000362		
37	14.0	5.0		.93629	560.1	.00155	.000431	.00155	.000431
38	14.0	6.0		.93798	561.1	.00155	.000431	.00158	.000440
39	32.0	8.0		.93516	562.1	.00150	.000417	.00150	.000417
40	32.0	10.0		.93460	559.5	.00154	.000428	.00154	.000428
41	32.0	12.0		.93291	561.1	.00151	.000420		
42	50.0	-8.0		.93742	559.8	.00133	.000370		
43	50.0	-5.0		.93178	556.8	.00130	.000362		
44	50.0	.0		.93572	559.5	.00135	.000376		
45	50.0	6.0		.93516	559.5	.00155	.000431		
46	58.0	.0		.92896	555.1	.00137	.000381		
47	58.0	6.0		.93460	559.1	.00155	.000431		
48	58.0	12.0		.93685	560.8	.00148	.000412		
49	32.0	-7.0		.93403	557.8	.00133	.000370	.00138	.000384
50	32.0	-8.0		.93291	557.1	.00136	.000378	.00135	.000376
51	32.0	-10.0		.93460	558.1	.00130	.000362	.00131	.000364
52	32.0	-12.0		.93291	558.1	.00138	.000384		
53	42.0	-7.0		.93403	557.8	.00134	.000373	.00135	.000376
54	42.0	-8.0		.93403	557.8	.00133	.000370	.00129	.000359
55	42.0	-9.0		.93742	559.8	.00137	.000381	.00145	.000403
56	42.0	-10.0		.93291	557.1	.00133	.000370	.00130	.000362
57	42.0	-12.0		.93234	556.8	.00134	.000373		
59	58.0	-8.0		.93629	559.1	.00129	.000359		
60	58.0	-12.0		.93516	558.5	.00134	.000373		
61	14.0	8.0		.93121	557.5	.00157	.000437	.00155	.000431
62	14.0	12.0		.93854	561.8	.00147	.000409		
63	20.0	7.0		.93516	559.5	.00155	.000431		
64	20.0	8.0		.93854	561.5	.00155	.000431	.00155	.000431
65	20.0	10.0		.93742	560.8	.00155	.000431	.00155	.000431
66	20.0	12.0		.93742	560.8	.00155	.000431		
67	28.0	-7.0		.94305	564.1	.00132	.000367		
68	26.0	.0		.93291	557.5	.00134	.000373		
69	30.0	8.0		.93629	560.5	.00146	.000406		
70	36.0	.0		.93516	558.8	.00136	.000378		
71	42.0	.0		.93742	560.1	.00136	.000378		
72	42.0	12.0		.93403	558.8	.00156	.000434		
73	14.0	2.0		.93178	557.1	.00137	.000381	.00132	.000367
75	18.0	.0		.93516	558.8	.00133	.000370		
76	20.0	.0		.93178	556.8	.00134	.000373		
77	20.0	-1.0		.93403	558.1	.00135	.000376	.00138	.000384
78	20.0	-2.0		.93347	557.5	.00128	.000356	.00132	.000367
79	32.0	-4.0		.93403	557.8	.00131	.000364		
80	32.0	-5.0		.92219	551.1	.00137	.000381	.00123	.000342
81	32.0	4.0		.93178	557.1	.00137	.000381		
82	32.0	6.0		.93460	559.1	.00155	.000431	.00156	.000434
83	42.0	-5.0		.93516	558.8	.00130	.000362		
84	42.0	-6.0		.93291	557.5	.00135	.000376	.00132	.000367

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

1. Flat Plate Alone - Continued

(f) M = 3.51; R = 1.61×10^6; T_t = 704° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h_o (b)	N_{St}	$h_{o,c}$ (b)	$N_{St,c}$
1	2.0	-12.0		.93812	561.1	.00088	.000426		
2	2.0	.0		.94206	563.5	.00087	.000421		
3	2.0	12.0		.94262	564.1	.00087	.000421		
4	8.0	.0		.93981	560.5	.00078	.000378		
5	9.0	.0		.93756	560.8	.00088	.000426	.00087	.000421
6	10.0	.0		.93699	560.5	.00088	.000426	.00087	.000421
7	11.0	.0		.93756	558.8	.00076	.000368	.00059	.000286
8	11.5	.0		.94262	562.8	.00081	.000392	.00089	.000431
9	12.0	1.0		.93812	561.1	.00088	.000426	.00088	.000426
10	12.0	3.0		.93868	561.5	.00088	.000426	.00088	.000426
11	12.0	5.0		.93812	559.8	.00083	.000402		
12	14.0	4.0		.93868	561.5	.00088	.000426	.00088	.000426
13	14.0	1.0		.94037	562.5	.00087	.000421	.00094	.000455
14	14.0	.0		.94037	562.1	.00087	.000421	.00084	.000407
15	14.0	-1.0		.94149	562.1	.00081	.000392	.00085	.000412
16	14.0	-2.0		.94037	560.5	.00076	.000368	.00078	.000378
17	13.0	-2.0		.93981	560.1	.00076	.000368		
18	12.0	-3.0		.93981	560.5	.00078	.000378		
19	14.0	-3.0		.93812	559.5	.00078	.000378	.00079	.000383
20	14.0	-4.0		.93531	557.8	.00087	.000421	.00083	.000402
21	16.0	-4.0		.93587	558.5	.00087	.000421	.00081	.000392
22	14.0	-6.0		.94149	561.5	.00078	.000378	.00081	.000392
23	14.0	-8.0		.93868	559.1	.00075	.000363	.00074	.000358
24	14.0	-12.0		.94093	562.5	.00087	.000421		
25	16.0	-8.0		.93643	558.5	.00079	.000383	.00079	.000383
26	18.0	-8.0		.93474	557.1	.00087	.000421		
27	16.0	-2.0		.93643	559.8	.00088	.000426	.00087	.000421
28	18.0	-2.0		.93474	558.8	.00088	.000426	.00087	.000421
29	20.0	-3.0		.93362	556.1	.00087	.000421	.00070	.000339
30	18.0	-4.0		.93699	558.8	.00079	.000383	.00079	.000383
31	20.0	-4.0		.94037	560.5	.00081	.000392	.00099	.000479
32	20.0	-5.0		.93587	557.8	.00087	.000421	.00081	.000392
33	20.0	-6.0		.93699	558.5	.00087	.000421	.00087	.000421
34	20.0	-7.0		.93812	559.1	.00078	.000378		
36	20.0	-12.0		.93756	560.5	.00087	.000421		
37	14.0	5.0		.94037	562.5	.00087	.000421	.00087	.000421
38	14.0	6.0		.94149	563.5	.00088	.000426	.00092	.000445
39	32.0	8.0		.93868	561.1	.00094	.000455	.00094	.000455
40	32.0	10.0		.93812	560.1	.00100	.000484	.00100	.000484
41	32.0	12.0		.93699	561.8	.00092	.000445		
42	50.0	-8.0		.94149	561.1	.00086	.000416		
43	50.0	-5.0		.93587	559.5	.00088	.000426		
44	50.0	.0		.93981	562.1	.00087	.000421		
45	50.0	6.0		.93868	561.8	.00088	.000426		
46	58.0	.0		.93362	556.8	.00079	.000383		
47	58.0	6.0		.93868	560.1	.00087	.000421		
48	58.0	12.0		.94093	564.1	.00092	.000445		
49	32.0	-7.0		.93756	558.8	.00078	.000378	.00083	.000402
50	32.0	-8.0		.93643	559.8	.00087	.000421	.00086	.000416
51	32.0	-10.0		.93812	559.8	.00081	.000392	.00082	.000397
52	32.0	-12.0		.93587	559.5	.00088	.000426		
53	42.0	-7.0		.93812	559.1	.00078	.000378	.00079	.000383
54	42.0	-8.0		.93812	559.1	.00078	.000378	.00075	.000363
55	42.0	-9.0		.94093	562.5	.00087	.000421	.00096	.000465
56	42.0	-10.0		.93643	558.5	.00079	.000383	.00076	.000368
57	42.0	-12.0		.93587	559.5	.00088	.000426		
59	58.0	-8.0		.94037	560.5	.00076	.000368		
60	58.0	-12.0		.93981	560.8	.00081	.000392		
61	14.0	8.0		.93474	560.5	.00093	.000450	.00091	.000441
62	14.0	12.0		.94206	562.5	.00096	.000465		
63	20.0	7.0		.93868	562.5	.00092	.000445		
64	20.0	8.0		.94206	563.8	.00087	.000421	.00091	.000441
65	20.0	10.0		.94037	563.8	.00092	.000445	.00091	.000441
66	20.0	12.0		.94093	563.1	.00088	.000426		
67	20.0	-7.0		.94656	564.5	.00078	.000378		
68	26.0	.0		.93699	558.5	.00087	.000421		
69	30.0	8.0		.93981	561.1	.00095	.000460		
70	36.0	.0		.93868	561.5	.00088	.000426		
71	42.0	.0		.94149	561.5	.00078	.000378		
72	42.0	12.0		.93756	560.5	.00094	.000455		
73	14.0	2.0		.93531	558.1	.00081	.000392	.00076	.000368
75	18.0	.0		.93868	559.8	.00078	.000378		
76	20.0	.0		.93531	557.8	.00079	.000383		
77	20.0	-1.0		.93756	559.1	.00078	.000378	.00082	.000397
78	20.0	-2.0		.93643	558.5	.00087	.000421	.00090	.000436
79	32.0	-4.0		.93699	558.8	.00078	.000378		
80	32.0	-5.0		.92574	552.1	.00082	.000397	.00069	.000334
81	32.0	4.0		.93643	560.1	.00088	.000426		
82	32.0	6.0		.93812	562.5	.00092	.000445	.00093	.000450
83	42.0	-5.0		.93924	559.8	.00078	.000378		
84	42.0	-6.0		.93699	560.1	.00087	.000421	.00084	.000407

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

1. Flat Plate Alone - Continued

(g) M = 4.44; R = 4.48 × 10^6; T_t = 688° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h_o (b)	N_{St}	$h_{o,c}$ (b)	$N_{St,c}$
1	2.0	-12.0		.92281	560.8	.00073	.000185		
2	2.0	.0		.92611	563.1	.00077	.000195		
3	2.0	12.0		.92391	564.5	.00133	.000338		
4	8.0	.0		.92391	561.8	.00106	.000269		
5	9.0	.0		.92170	560.8	.00106	.000269	.00105	.000267
6	10.0	.0		.92115	560.1	.00078	.000198	.00075	.000190
7	11.0	.0		.92115	560.5	.00106	.000269	.00085	.000216
8	11.5	.0		.92611	565.5	.00106	.000269	.00117	.000297
9	12.0	1.0		.92281	561.1	.00106	.000269	.00105	.000267
10	12.0	3.0		.92336	561.8	.00112	.000284	.00112	.000284
11	12.0	5.0		.92336	561.8	.00115	.000292		
12	14.0	4.0		.92391	562.1	.00108	.000274	.00108	.000274
13	14.0	1.0		.92446	562.1	.00078	.000198	.00085	.000216
14	14.0	.0		.92391	561.8	.00105	.000267	.00103	.000261
15	14.0	-1.0		.92446	562.8	.00086	.000218	.00089	.000226
16	14.0	-2.0		.92446	563.1	.00092	.000234	.00099	.000251
17	13.0	-2.0		.92391	561.5	.00085	.000216		
18	12.0	-3.0		.92391	561.5	.00085	.000216		
19	14.0	-3.0		.92226	560.5	.00085	.000216	.00086	.000218
20	14.0	-4.0		.91950	559.5	.00087	.000221	.00080	.000203
21	16.0	-4.0		.92005	559.1	.00101	.000256	.00100	.000254
22	14.0	-6.0		.92611	563.1	.00086	.000218	.00090	.000228
23	14.0	-8.0		.92281	560.5	.00079	.000201	.00078	.000198
24	14.0	-12.0		.92611	563.8	.00083	.000211		
25	16.0	-8.0		.92115	559.5	.00079	.000201	.00079	.000201
26	18.0	-8.0		.91950	558.1	.00071	.000180		
27	16.0	-2.0		.92060	559.5	.00085	.000216	.00084	.000213
28	18.0	-2.0		.91950	558.8	.00086	.000218	.00085	.000216
30	18.0	-4.0		.92170	559.8	.00085	.000216	.00085	.000216
31	20.0	-4.0		.92446	562.8	.00086	.000218	.00112	.000284
32	20.0	-5.0		.92005	559.1	.00077	.000195	.00067	.000170
33	20.0	-6.0		.92170	559.8	.00081	.000206	.00082	.000208
34	20.0	-7.0		.92281	560.5	.00074	.000188		
36	20.0	-12.0		.92226	561.8	.00084	.000213		
37	14.0	5.0		.92556	563.1	.00108	.000274	.00108	.000274
38	14.0	6.0		.92722	564.1	.00109	.000277	.00115	.000292
39	32.0	8.0		.92336	562.1	.00113	.000287	.00114	.000289
40	32.0	10.0		.92115	562.8	.00133	.000338	.00134	.000340
41	32.0	12.0		.91729	560.8	.00134	.000340		
42	50.0	-8.0		.92611	562.5	.00077	.000195		
43	50.0	-5.0		.92005	559.1	.00085	.000216		
44	50.0	.0		.92446	562.1	.00105	.000267		
45	50.0	6.0		.92391	562.1	.00112	.000284		
46	54.0	.0		.91729	558.1	.00107	.000272		
47	58.0	6.0		.92336	562.8	.00123	.000312		
48	58.0	12.0		.92115	561.8	.00150	.000381		
49	32.0	-7.0		.92115	560.8	.00092	.000234	.00100	.000254
50	32.0	-8.0		.92060	559.1	.00077	.000195	.00075	.000190
51	32.0	-10.0		.92281	560.8	.00086	.000218	.00088	.000223
52	32.0	-12.0		.92005	558.8	.00079	.000201		
53	42.0	-7.0		.92226	560.1	.00083	.000211	.00084	.000213
54	42.0	-8.0		.92226	560.1	.00077	.000195	.00072	.000183
55	42.0	-9.0		.92501	562.5	.00079	.000201	.00099	.000251
56	42.0	-10.0		.92060	560.8	.00085	.000216	.00080	.000203
57	42.0	-12.0		.92060	560.5	.00084	.000213		
59	58.0	-8.0		.92391	561.1	.00081	.000206		
60	58.0	-12.0		.92336	560.8	.00073	.000185		
61	14.0	8.0		.91895	560.5	.00124	.000315	.00121	.000307
62	14.0	12.0		.92226	563.1	.00124	.000315		
63	20.0	7.0		.92336	562.1	.00115	.000292		
64	26.0	8.0		.92722	565.1	.00122	.000310	.00128	.000325
65	20.0	10.0		.92391	563.5	.00123	.000312	.00122	.000310
66	20.0	12.0		.92226	562.8	.00124	.000315		
67	28.0	-7.0		.93163	565.8	.00076	.000193		
68	26.0	.0		.92060	559.8	.00106	.000269		
69	30.0	8.0		.92391	563.5	.00123	.000312		
70	36.0	.0		.92226	560.8	.00106	.000269		
71	42.0	.0		.92556	562.5	.00085	.000216		
72	42.0	12.0		.91784	562.1	.00142	.000361		
73	14.0	2.0		.92005	559.8	.00107	.000272	.00100	.000254
75	18.0	.0		.92281	561.1	.00105	.000267		
76	20.0	.0		.91895	558.8	.00078	.000198		
77	26.0	-1.0		.92115	560.1	.00078	.000198	.00082	.000208
78	20.0	-2.0		.92060	560.1	.00106	.000269	.00093	.000236
79	32.0	-4.0		.92115	559.8	.00085	.000216		
80	32.0	-5.0		.91013	553.1	.00086	.000218	.00067	.000170
81	32.0	4.0		.92115	560.5	.00105	.000267		
82	32.0	6.0		.92336	562.8	.00123	.000312	.00124	.000315
83	42.0	-5.0		.92281	560.8	.00077	.000195		
84	42.0	-6.0		.92115	560.8	.00092	.000234	.00087	.000221

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

1. Flat Plate Alone - Continued

(h) M = 4.44; R = 3.18×10^6; T_t = 683° R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h_o (b)	N_{St}	$h_{o,c}$ (b)	$N_{St,c}$
1	2.0	-12.0		.92749	560.1	.00061	.000220		
2	2.0	.0		.93136	563.1	.00076	.000274		
3	2.0	12.0		.92915	562.5	.00084	.000303		
4	8.0	.0		.92970	561.8	.00075	.000270		
5	9.0	.0		.92749	560.8	.00072	.000259	.00070	.000252
6	10.0	.0		.92749	560.5	.00071	.000256	.00070	.000252
7	11.0	.0		.92749	560.5	.00071	.000256		
8	11.5	.0		.93247	563.5	.00073	.000263	.00084	.000303
9	12.0	1.0		.92860	562.8	.00082	.000295	.00082	.000295
10	12.0	3.0		.92970	563.1	.00090	.000324	.00090	.000324
11	12.0	5.0		.92970	563.1	.00090	.000324		
12	14.0	4.0		.92970	562.1	.00076	.000274	.00075	.000270
13	14.0	1.0		.93081	562.5	.00073	.000263	.00082	.000295
14	14.0	.0		.92970	561.8	.00073	.000263	.00070	.000252
15	14.0	-1.0		.93081	562.8	.00085	.000306	.00087	.000314
16	14.0	-2.0		.93081	563.1	.00076	.000274	.00084	.000303
17	13.0	-2.0		.92970	561.8	.00072	.000259		
18	12.0	-3.0		.92970	561.8	.00070	.000252		
19	14.0	-3.0		.92860	560.8	.00070	.000252	.00070	.000252
20	14.0	-4.0		.92528	559.1	.00071	.000256	.00065	.000234
21	16.0	-4.0		.92583	559.1	.00070	.000252	.00069	.000249
22	14.0	-6.0		.93136	562.5	.00064	.000231	.00068	.000245
23	14.0	-8.0		.92860	560.5	.00058	.000209	.00057	.000205
24	14.0	-12.0		.93136	562.5	.00067	.000241		
25	16.0	-8.0		.92694	559.5	.00069	.000249	.00069	.000249
26	18.0	-8.0		.92472	558.5	.00067	.000241		
27	16.0	-2.0		.92638	559.8	.00071	.000256	.00070	.000252
28	18.0	-2.0		.92528	559.1	.00071	.000256	.00070	.000252
29	20.0	-3.0		.92361	557.8	.00071	.000256	.00051	.000184
30	18.0	-4.0		.92860	560.1	.00069	.000249	.00069	.000249
31	20.0	-4.0		.93026	564.1	.00081	.000292	.00101	.000364
32	20.0	-5.0		.92583	559.1	.00061	.000220	.00053	.000191
33	20.0	-6.0		.92749	559.8	.00061	.000220	.00062	.000223
34	20.0	-7.0		.92860	560.5	.00069	.000249		
36	20.0	-12.0		.92804	561.1	.00076	.000274		
37	14.0	5.0		.93192	563.8	.00085	.000306	.00086	.000310
38	14.0	6.0		.93302	565.5	.00090	.000324	.00097	.000350
39	32.0	8.0		.92915	562.1	.00100	.000360	.00101	.000364
40	32.0	10.0		.92749	561.1	.00104	.000375	.00105	.000378
41	32.0	12.0		.92306	560.5	.00118	.000425		
42	50.0	-8.0		.93192	562.5	.00061	.000220		
43	50.0	-5.0		.92694	560.5	.00076	.000274		
44	50.0	.0		.93081	562.5	.00073	.000263		
45	50.0	6.0		.93026	562.5	.00080	.000288		
46	58.0	.0		.92472	559.1	.00085	.000306		
47	58.0	6.0		.93026	562.5	.00099	.000357		
48	58.0	12.0		.92749	561.5	.00109	.000393		
49	32.0	-7.0		.92749	559.8	.00069	.000249	.00076	.000274
50	32.0	-8.0		.92694	559.1	.00062	.000223	.00061	.000220
51	32.0	-10.0		.92860	560.5	.00069	.000249	.00071	.000256
52	32.0	-12.0		.92583	559.8	.00076	.000274		
53	42.0	-7.0		.92860	560.5	.00063	.000227	.00065	.000234
54	42.0	-8.0		.92860	561.5	.00076	.000274	.00071	.000256
55	42.0	-9.0		.93136	563.1	.00076	.000274	.00089	.000321
56	42.0	-10.0		.92694	559.5	.00057	.000205	.00053	.000191
57	42.0	-12.0		.92694	559.1	.00061	.000220		
59	58.0	-8.0		.93081	561.8	.00067	.000241		
60	58.0	-12.0		.92970	562.1	.00076	.000274		
61	14.0	8.0		.92528	560.8	.00091	.000328	.00088	.000317
62	14.0	12.0		.92860	562.1	.00103	.000371		
63	20.0	7.0		.93026	562.8	.00085	.000306		
64	20.0	8.0		.93302	565.5	.00090	.000324	.00096	.000346
65	20.0	10.0		.92970	563.8	.00091	.000328	.00090	.000324
66	20.0	12.0		.92860	562.5	.00086	.000310		
67	26.0	-7.0		.93801	565.8	.00063	.000227		
68	26.0	.0		.92749	559.8	.00065	.000234		
69	30.0	8.0		.93026	563.8	.00090	.000324		
70	36.0	.0		.92915	561.1	.00070	.000252		
71	42.0	.0		.93247	563.1	.00075	.000270		
72	42.0	12.0		.92472	561.1	.00117	.000422		
73	14.0	2.0		.92638	559.8	.00076	.000274	.00069	.000249
75	18.0	.0		.92915	561.8	.00085	.000306		
76	20.0	.0		.92583	561.1	.00076	.000274		
77	20.0	-1.0		.92804	562.5	.00076	.000274	.00082	.000295
78	20.0	-2.0		.92694	561.8	.00076	.000274	.00081	.000292
79	32.0	-4.0		.92804	561.1	.00076	.000274		
80	32.0	-5.0		.91642	553.1	.00066	.000238		
81	32.0	4.0		.92804	560.5	.00075	.000270		
82	32.0	6.0		.93026	562.1	.00079	.000285	.00080	.000288
83	42.0	-5.0		.92970	561.1	.00061	.000220		
84	42.0	-6.0		.92804	560.1	.00062	.000223	.00059	.000213

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

1. Flat Plate Alone - Concluded

(i) M = 4.44; R = 2.11×10^6; T_t = 686° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h_o (b)	N_{St}	$h_{o,c}$ (b)	$N_{St,c}$
1	2.0	-12.0		.92459	561.1	.00054	.000291		
2	2.0	.0		.92899	564.5	.00082	.000443		
3	2.0	12.0		.92789	564.1	.00069	.000372		
4	8.0	.0		.92899	564.1	.00053	.000286		
5	9.0	.0		.92734	563.1	.00066	.000356	.00063	.000340
6	10.0	.0		.92734	562.8	.00059	.000318	.00059	.000318
7	11.0	.0		.92734	562.8	.00053	.000286		
8	11.5	.0		.93174	565.8	.00066	.000356	.00076	.000410
9	12.0	1.0		.92844	563.8	.00066	.000356	.00065	.000351
10	12.0	3.0		.93009	564.5	.00057	.000308	.00058	.000313
11	12.0	5.0		.93009	564.5	.00056	.000302		
12	14.0	4.0		.93064	564.8	.00053	.000286	.00053	.000286
13	14.0	1.0		.93119	564.8	.00059	.000318	.00068	.000367
14	14.0	.0		.93009	564.5	.00053	.000286	.00052	.000281
15	14.0	-1.0		.93009	564.5	.00065	.000351	.00064	.000345
16	14.0	-2.0		.93064	564.8	.00053	.000286	.00064	.000345
17	13.0	-2.0		.92954	564.1	.00053	.000286		
18	12.0	-3.0		.92954	564.1	.00053	.000286		
19	14.0	-3.0		.92789	563.1	.00053	.000286	.00053	.000286
20	14.0	-4.0		.92514	561.5	.00053	.000286	.00047	.000254
21	16.0	-4.0		.92514	561.1	.00053	.000286	.00051	.000275
22	14.0	-6.0		.93009	564.5	.00053	.000286	.00057	.000308
23	14.0	-8.0		.92789	562.8	.00051	.000275	.00050	.000270
25	16.0	-8.0		.92624	561.5	.00053	.000286	.00053	.000286
26	18.0	-8.0		.92459	560.5	.00053	.000286		
27	16.0	-2.0		.92624	561.8	.00053	.000286	.00051	.000275
28	18.0	-2.0		.92459	561.1	.00054	.000291	.00053	.000286
29	20.0	-3.0		.92404	560.1	.00055	.000297		
30	18.0	-4.0		.92679	562.5	.00053	.000286	.00054	.000291
31	20.0	-4.0		.93009	564.1	.00052	.000281	.00071	.000383
32	20.0	-5.0		.92569	561.5	.00053	.000286		
33	20.0	-6.0		.92734	562.1	.00053	.000286	.00054	.000291
34	20.0	-7.0		.92734	562.5	.00053	.000286		
36	20.0	-12.0		.92679	562.1	.00049	.000264		
37	14.0	5.0		.93174	565.8	.00066	.000356	.00066	.000356
38	14.0	6.0		.93339	566.5	.00054	.000291	.00060	.000324
39	32.0	8.0		.92954	564.5	.00081	.000437	.00081	.000437
40	32.0	10.0		.92734	563.5	.00064	.000345	.00064	.000345
41	32.0	12.0		.92459	562.8	.00082	.000443		
42	50.0	-8.0		.93064	564.5	.00053	.000286		
43	50.0	-5.0		.92679	562.1	.00058	.000313		
44	50.0	.0		.93119	565.1	.00081	.000437		
45	50.0	6.0		.93064	565.1	.00066	.000356		
46	58.0	.0		.92514	561.5	.00053	.000286		
47	58.0	6.0		.93064	565.1	.00057	.000308		
48	58.0	12.0		.92899	565.5	.00081	.000437		
49	32.0	-7.0		.92679	562.1	.00053	.000286	.00061	.000329
50	32.0	-8.0		.92624	561.5	.00053	.000286	.00051	.000275
52	32.0	-12.0		.92514	560.8	.00052	.000281		
53	42.0	-7.0		.92844	563.1	.00053	.000286	.00055	.000297
55	42.0	-9.0		.93064	564.5	.00053	.000286	.00065	.000351
56	42.0	-10.0		.92624	561.8	.00051	.000275	.00046	.000248
57	42.0	-12.0		.92569	561.5	.00045	.000243		
59	58.0	-8.0		.92954	564.1	.00060	.000324		
60	58.0	-12.0		.92844	563.1	.00053	.000286		
61	14.0	8.0		.92569	562.1	.00066	.000356	.00063	.000340
62	14.0	12.0		.92899	564.5	.00073	.000394		
63	20.0	7.0		.93064	564.8	.00059	.000318		
64	20.0	8.0		.93394	567.1	.00065	.000351	.00072	.000389
65	20.0	10.0		.93064	565.1	.00059	.000318	.00058	.000313
66	20.0	12.0		.92899	564.8	.00073	.000394		
69	30.0	8.0		.93064	565.1	.00062	.000335		
70	36.0	.0		.92899	563.8	.00053	.000286		
71	42.0	.0		.93284	565.8	.00059	.000318		
72	42.0	12.0		.92569	562.5	.00072	.000389		
73	14.0	2.0		.92569	562.1	.00082	.000443	.00074	.000399
75	18.0	.0		.92899	563.8	.00064	.000345		
76	20.0	.0		.92569	561.5	.00058	.000313		
77	20.0	-1.0		.92734	562.8	.00053	.000286	.00059	.000318
78	20.0	-2.0		.92624	562.1	.00053	.000286	.00057	.000308
79	32.0	-4.0		.92734	562.5	.00053	.000286		
80	32.0	-5.0		.91578	555.5	.00054	.000291		
81	32.0	4.0		.92789	563.1	.00066	.000356		
82	32.0	6.0		.93009	564.8	.00081	.000437	.00083	.000448
83	42.0	-5.0		.92899	563.8	.00081	.000437		
84	42.0	-6.0		.92734	562.5	.00053	.000286	.00047	.000254

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

2. Equipment Pod; $\alpha = 0^{o}$

(a) M = 2.65; R = 3.88 × 10^{6}; $T_t = 717^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94139	582.1	.00340	.000483			1.09
2	2.0	.0		.94360	582.5	.00313	.000444			1.05
3	2.0	12.0		.94416	582.8	.00313	.000444			1.05
4	8.0	.0		.94084	578.5	.00335	.000476			1.09
5	9.0	.0		.94250	582.1	.00338	.000480	.00344	.000488	1.02
6	10.0	.0		.93918	577.5	.00318	.000452	.00309	.000439	1.04
7	11.0	.0		.94305	582.1	.00325	.000461	.00333	.000473	.98
8	11.5	.0		.94250	579.5	.00316	.000449			1.04
9	12.0	1.0		.94581	581.5	.00333	.000473	.00334	.000474	1.10
10	12.0	3.0		.94305	582.5	.00326	.000463	.00326	.000463	.98
11	12.0	5.0		.94029	578.1	.00335	.000476			1.01
12	14.0	4.0		.94637	584.1	.00324	.000460			1.07
16	14.0	-2.0		.94968	587.8	.00340	.000483			1.10
17	13.0	-2.0		.94692	583.5	.00343	.000487			1.13
18	12.0	-3.0		.94471	580.8	.00318	.000452			1.01
19	14.0	-3.0		.94747	584.5	.00350	.000497	.00354	.000503	1.11
20	14.0	-4.0		.94526	581.5	.00327	.000464	.00324	.000460	1.04
21	16.0	-4.0		.94968	585.1	.00351	.000498	.00348	.000494	1.05
22	14.0	-6.0		.94194	579.8	.00339	.000481	.00338	.000480	1.06
23	14.0	-8.0		.94139	579.5	.00340	.000483	.00340	.000483	1.07
24	14.0	-12.0		.94250	580.1	.00354	.000503			1.04
25	16.0	-8.0		.94084	579.1	.00339	.000481	.00336	.000477	1.06
26	18.0	-8.0		.94637	582.8	.00345	.000490	.00347	.000493	1.08
30	18.0	-4.0		.95466	597.1	.00487	.000692	.00498	.000707	1.58
31	20.0	-4.0		.95245	582.5	.00251	.000356			.80
32	20.0	-5.0		.95466	594.5	.00517	.000734	.00548	.000778	1.64
33	20.0	-6.0		.95521	593.1	.00393	.000558	.00393	.000558	1.24
34	20.0	-7.0		.95134	585.8	.00341	.000484	.00337	.000479	1.08
35	20.0	-8.0		.94692	583.1	.00372	.000528			
36	20.0	-12.0		.94305	580.8	.00346	.000491			1.12
37	14.0	5.0		.94416	580.5	.00334	.000474	.00334	.000474	1.15
38	14.0	6.0		.94139	579.1	.00336	.000477			
39	32.0	8.0		.93918	580.1	.00394	.000559			1.29
40	32.0	10.0		.94471	588.8	.00456	.000647	.00459	.000652	1.44
41	32.0	12.0		.94692	584.5	.00414	.000588			1.36
42	50.0	-8.0		.93476	580.5	.00401	.000569			1.27
43	50.0	-5.0		.93807	566.8	.00066	.000094			.21
44	50.0	.0		.94305	570.5	.00070	.000099			.21
45	50.0	6.0		.92812	565.5	.00167	.000237			.55
46	58.0	.0		.96019	587.1	.00239	.000339			.82
47	58.0	6.0		.93642	575.1	.00258	.000366			.81
48	58.0	12.0		.93420	574.5	.00338	.000480			1.07
49	32.0	-7.0		.93476	578.5	.00344	.000488			1.04
50	32.0	-8.0		.93531	580.8	.00401	.000569	.00400	.000568	1.24
51	32.0	-10.0		.94084	586.1	.00456	.000647	.00458	.000650	1.35
52	32.0	-12.0		.94581	584.8	.00414	.000588			1.22
53	42.0	-7.0		.93918	584.8	.00353	.000501			1.10
54	42.0	-8.0		.93973	581.5	.00422	.000599	.00425	.000603	1.31
55	42.0	-9.0		.94250	582.1	.00417	.000592	.00412	.000585	1.27
56	42.0	-10.0		.94084	580.8	.00384	.000545	.00382	.000542	1.19
57	42.0	-12.0		.94084	580.1	.00375	.000532			1.16
58	58.0	-5.0		.93144	572.5	.00314	.000446			
59	58.0	-8.0		.93255	570.8	.00264	.000375	.00263	.000373	.82
60	58.0	-12.0		.93918	577.8	.00340	.000483			1.05
61	14.0	8.0		.94305	580.1	.00313	.000444			1.00
62	14.0	12.0		.94360	583.8	.00340	.000483			1.02
63	20.0	7.0		.94913	587.5	.00339	.000481			1.12
64	20.0	8.0		.94692	583.1	.00340	.000483			1.14
65	20.0	10.0		.94471	581.5	.00336	.000477			1.01
66	20.0	12.0		.94084	579.1	.00317	.000450			1.04
67	28.0	-7.0		.93365	578.5	.00360	.000511			1.13
69	30.0	8.0		.94139	582.8	.00422	.000599			1.36
101	1.8	.0	.5	.94858	592.5	.00448	.000636			
102	2.8	-2.5	1.3	.93752	590.5	.00560	.000795			
103	9.8	.0	2.6	.94416	592.5	.00515	.000731	.00515	.000731	
104	12.8	-5.8	1.9	.92425	584.5	.00649	.000922			
105	12.8	-3.0	3.4	.93973	588.8	.00635	.000902	.00635	.000902	
106	16.3	-6.5	1.9	.90877	556.5	.00265	.000376			
107	16.3	-3.0	3.9	.92259	570.8	.00336	.000477	.00338	.000480	
108	23.5	.0	3.9	.92259	568.1	.00279	.000396			
109	30.8	-6.5	1.9	.92480	572.8	.00350	.000497			
110	30.8	-3.0	3.9	.92702	571.1	.00278	.000395	.00278	.000395	
111	35.8	4.8	2.0	.95798	578.1	.00036	.000051			
112	35.8	-4.8	2.0	.95964	579.1	.00034	.000048			
113	5.8	.0	1.5	.94803	593.5	.00481	.000683	.00482	.000684	
114	5.8	2.5	1.3	.94029	592.8	.00561	.000797			
115	9.8	-4.7	1.9	.93089	584.8	.00540	.000767			
116	12.8	.0	3.4	.94250	588.5	.00582	.000826	.00585	.000831	
117	12.8	-5.5	3.1	.92646	595.1	.00889	.001262			
118	12.8	5.8	1.9	.93199	591.5	.00700	.000994			
119	16.3	.0	3.9	.92480	571.5	.00321	.000456			
120	16.3	-6.2	3.6	.90380	562.8	.00435	.000618			
121	16.3	6.5	1.9	.91541	561.1	.00265	.000376			
122	30.8	.0	3.9	.92702	570.1	.00263	.000373			
123	30.8	-6.2	3.6	.92315	569.5	.00385	.000547			
124	30.8	6.5	1.9	.92978	575.1	.00333	.000473			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

2. Equipment Pod; $\alpha = 0^{o}$ - Continued

(b) $M = 2.65$; $R = 2.53 \times 10^{6}$; $T_t = 714^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95054	579.8	.00232	.000507			.95
2	2.0	.0		.95277	582.5	.00216	.000472			.97
3	2.0	12.0		.95332	582.8	.00216	.000472			1.08
4	8.0	.0		.94888	578.5	.00232	.000507			1.04
5	9.0	.0		.94999	579.1	.00232	.000507	.00229	.000501	1.04
6	10.0	.0		.94665	577.1	.00233	.000509	.00225	.000492	1.04
7	11.0	.0		.95054	579.5	.00216	.000472	.00227	.000496	.98
8	11.5	.0		.95110	581.5	.00213	.000466			.96
9	12.0	1.0		.95443	581.8	.00215	.000470	.00216	.000472	.96
10	12.0	3.0		.95110	579.5	.00214	.000468	.00214	.000468	.95
11	12.0	5.0		.94832	579.8	.00217	.000474			1.06
12	14.0	4.0		.95499	581.8	.00214	.000468			.96
16	14.0	-2.0		.95610	584.1	.00252	.000551			1.13
17	13.0	-2.0		.95443	583.1	.00252	.000551			1.15
18	12.0	-3.0		.95221	580.5	.00227	.000496			1.00
19	14.0	-3.0		.95554	584.5	.00251	.000549	.00257	.000562	1.10
20	14.0	-4.0		.95277	581.5	.00235	.000514	.00232	.000507	1.02
21	16.0	-4.0		.95610	583.8	.00251	.000549	.00249	.000544	1.13
22	14.0	-6.0		.94943	579.5	.00240	.000525	.00239	.000522	1.03
23	14.0	-8.0		.94888	579.1	.00239	.000522	.00239	.000522	1.03
24	14.0	-12.0		.94999	579.8	.00252	.000551			1.04
25	16.0	-8.0		.94888	578.8	.00232	.000507	.00230	.000503	.99
26	18.0	-8.0		.95388	582.8	.00247	.000540	.00249	.000544	1.07
30	18.0	-4.0		.96055	590.5	.00331	.000724	.00337	.000737	1.48
31	20.0	-4.0		.95943	582.5	.00162	.000354			.72
32	20.0	-5.0		.96110	592.1	.00348	.000761	.00377	.000824	1.53
33	20.0	-6.0		.96166	588.5	.00272	.000595	.00272	.000595	1.19
34	20.0	-7.0		.95832	585.1	.00239	.000522	.00237	.000518	1.04
35	20.0	-8.0		.95332	582.5	.00243	.000531			
36	20.0	-12.0		.95110	580.5	.00251	.000549			1.07
37	14.0	5.0		.95221	582.1	.00216	.000472	.00216	.000472	.96
38	14.0	6.0		.94943	578.8	.00212	.000463			.94
39	32.0	8.0		.94721	579.8	.00292	.000638			1.38
40	32.0	10.0		.95277	584.1	.00303	.000662	.00306	.000669	1.36
41	32.0	12.0		.95443	583.5	.00267	.000584			1.17
42	50.0	-8.0		.94110	576.1	.00294	.000643			1.26
43	50.0	-5.0		.94388	567.1	.00043	.000094			.19
44	50.0	.0		.94888	570.8	.00047	.000103			.22
45	50.0	6.0		.93276	563.8	.00123	.000269			.56
46	58.0	.0		.96221	583.8	.00165	.000361			.72
47	58.0	6.0		.94554	574.5	.00176	.000385			.80
48	58.0	12.0		.94165	575.8	.00219	.000479			.95
49	32.0	-7.0		.94388	578.1	.00232	.000507			.94
50	32.0	-8.0		.94332	577.5	.00281	.000614	.00280	.000612	1.20
51	32.0	-10.0		.94777	581.5	.00310	.000678	.00311	.000680	1.29
52	32.0	-12.0		.95277	583.5	.00295	.000645			1.22
53	42.0	-7.0		.94721	579.1	.00243	.000531			1.04
54	42.0	-8.0		.94665	580.5	.00305	.000667	.00307	.000671	1.29
55	42.0	-9.0		.94888	581.1	.00292	.000638	.00296	.000647	1.24
56	42.0	-10.0		.94721	579.8	.00271	.000592	.00269	.000588	1.15
57	42.0	-12.0		.94832	579.5	.00251	.000549			1.02
58	58.0	-5.0		.94110	573.5	.00233	.000509			
59	58.0	-8.0		.94110	572.1	.00196	.000428	.00195	.000426	.84
60	58.0	-12.0		.94554	577.1	.00237	.000518			1.02
61	14.0	8.0		.95054	579.8	.00232	.000507			1.03
62	14.0	12.0		.95165	580.5	.00228	.000498			1.03
63	20.0	7.0		.95666	583.8	.00230	.000503			1.11
64	20.0	8.0		.95443	582.8	.00240	.000525			1.17
65	20.0	10.0		.95332	582.1	.00235	.000514			1.14
66	20.0	12.0		.94888	578.8	.00233	.000509			1.14
67	28.0	-7.0		.93999	573.5	.00222	.000485			.95
69	30.0	8.0		.94888	581.8	.00287	.000627			1.30
101	1.8	.0	.5	.95554	589.8	.00300	.000656			
102	2.8	-2.5	1.3	.94554	584.8	.00386	.000844			
103	9.8	.0	2.6	.95165	586.8	.00359	.000785	.00359	.000785	
104	12.8	-5.8	1.9	.93165	578.5	.00478	.001045			
105	12.8	-3.0	3.4	.94610	586.1	.00428	.000936	.00428	.000936	
106	16.3	-6.5	1.9	.91998	555.1	.00141	.000308			
107	16.3	-3.0	3.9	.92999	566.8	.00198	.000433	.00200	.000437	
108	23.5	.0	3.9	.93165	566.8	.00179	.000391			
109	30.8	-6.5	1.9	.93387	570.5	.00239	.000522			
110	30.8	-3.0	3.9	.93610	569.5	.00198	.000433	.00198	.000433	
111	35.8	4.8	2.0	.96610	579.8	.00023	.000050			
112	35.8	-4.8	2.0	.96721	580.8	.00028	.000061			
113	5.8	.0	1.5	.95499	590.8	.00330	.000721	.00331	.000724	
114	5.8	2.5	1.3	.94777	586.8	.00408	.000892			
115	9.8	-4.7	1.9	.93999	583.1	.00365	.000798			
116	12.8	.0	3.4	.94943	586.1	.00381	.000833	.00384	.000839	
117	12.8	-5.5	3.1	.93221	586.5	.00665	.001454			
118	12.8	5.8	1.9	.93999	588.1	.00476	.001041			
119	16.3	.0	3.9	.93276	567.5	.00199	.000435			
120	16.3	-6.2	3.6	.91109	556.8	.00246	.000538			
121	16.3	6.5	1.9	.92332	559.5	.00142	.000310			
122	30.8	.0	3.9	.93721	569.1	.00177	.000387			
123	30.8	-6.2	3.6	.93221	569.5	.00258	.000564			
124	30.8	6.5	1.9	.93943	574.8	.00220	.000481			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

2. Equipment Pod; $\alpha = 0^{o}$ - Continued

(c) M = 2.65; R = 1.26×10^{6}; $T_t = 712^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95441	577.8	.00133	.000584			1.04
2	2.0	.0		.95663	581.1	.00126	.000553			.99
3	2.0	12.0		.95719	579.1	.00114	.000501			1.03
4	8.0	.0		.95274	578.8	.00127	.000558			1.00
5	9.0	.0		.95385	577.1	.00127	.000558	.00133	.000584	.99
6	10.0	.0		.95107	575.5	.00127	.000558	.00112	.000492	1.00
7	11.0	.0		.95496	577.8	.00127	.000558	.00132	.000580	.99
8	11.5	.0		.95552	579.5	.00127	.000558			.99
9	12.0	1.0		.95886	582.5	.00126	.000553	.00127	.000558	.98
10	12.0	3.0		.95496	580.1	.00127	.000558	.00127	.000558	1.06
11	12.0	5.0		.95218	578.5	.00127	.000558			1.06
12	14.0	4.0		.95941	580.8	.00134	.000589			1.12
16	14.0	-2.0		.95941	582.8	.00145	.000637			1.14
17	13.0	-2.0		.95886	581.5	.00162	.000712			1.35
18	12.0	-3.0		.95719	581.5	.00126	.000553			.99
19	14.0	-3.0		.95997	582.5	.00152	.000668	.00158	.000694	1.19
20	14.0	-4.0		.95774	580.1	.00139	.000611	.00137	.000602	1.09
21	16.0	-4.0		.95886	581.1	.00161	.000707	.00160	.000703	1.26
22	14.0	-6.0		.95496	577.8	.00131	.000575	.00130	.000571	1.02
23	14.0	-8.0		.95385	577.1	.00131	.000575	.00131	.000575	1.02
24	14.0	-12.0		.95441	577.8	.00133	.000584			1.04
25	16.0	-8.0		.95441	579.8	.00127	.000558	.00125	.000549	.99
26	18.0	-8.0		.95886	580.8	.00143	.000628	.00145	.000637	1.18
30	18.0	-4.0		.96052	584.1	.00201	.000883	.00204	.000896	1.57
31	20.0	-4.0		.96219	581.8	.00088	.000387			.69
32	20.0	-5.0		.96163	585.5	.00202	.000887	.00212	.000931	1.57
33	20.0	-6.0		.96330	584.1	.00163	.000716	.00164	.000720	1.27
34	20.0	-7.0		.96163	582.1	.00143	.000628	.00144	.000633	1.12
35	20.0	-8.0		.95774	580.1	.00140	.000615			
36	20.0	-12.0		.95663	579.1	.00134	.000589			1.05
37	14.0	5.0		.95719	580.1	.00131	.000575	.00131	.000575	1.09
38	14.0	6.0		.95385	578.5	.00132	.000580			1.17
39	32.0	8.0		.95163	577.5	.00164	.000720			1.37
40	32.0	10.0		.95608	580.5	.00169	.000742	.00170	.000747	1.32
41	32.0	12.0		.95830	580.8	.00142	.000624			1.11
42	50.0	-8.0		.94607	574.1	.00155	.000681			1.21
43	50.0	-5.0		.94718	567.8	.00024	.000105			.19
44	50.0	.0		.95330	572.1	.00028	.000123			.23
45	50.0	6.0		.93439	561.8	.00046	.000202			.38
46	58.0	.0		.96163	580.1	.00086	.000378			.71
47	58.0	6.0		.95274	575.8	.00125	.000549			.98
48	58.0	12.0		.94662	572.5	.00112	.000492			.84
49	32.0	-7.0		.95052	577.5	.00127	.000558			.97
50	32.0	-8.0		.94885	575.5	.00153	.000672	.00151	.000663	1.13
51	32.0	-10.0		.95218	577.8	.00157	.000690	.00157	.000690	1.15
52	32.0	-12.0		.95663	579.8	.00150	.000659			1.10
53	42.0	-7.0		.95330	577.8	.00139	.000611			1.08
54	42.0	-8.0		.95274	578.8	.00174	.000764	.00175	.000769	1.28
55	42.0	-9.0		.95496	579.5	.00158	.000694	.00162	.000712	1.18
56	42.0	-10.0		.95330	578.1	.00160	.000703	.00161	.000707	1.19
57	42.0	-12.0		.95441	578.5	.00143	.000628			1.07
58	58.0	-5.0		.95107	577.8	.00127	.000558			
59	58.0	-8.0		.94996	574.5	.00095	.000417	.00094	.000413	.74
60	58.0	-12.0		.95107	575.5	.00130	.000571			1.02
61	14.0	8.0		.95441	578.8	.00120	.000527			.99
62	14.0	12.0		.95552	580.8	.00127	.000558			.99
63	20.0	7.0		.95886	580.8	.00140	.000615			1.24
64	20.0	8.0		.95774	580.5	.00139	.000611			1.23
65	20.0	10.0		.95830	580.5	.00144	.000633			1.13
66	20.0	12.0		.95385	576.8	.00113	.000496			.94
67	28.0	-7.0		.94384	570.8	.00114	.000501			.89
69	30.0	8.0		.94996	576.5	.00164	.000720			1.29
101	1.8	.0	.5	.95886	583.8	.00176	.000773			
102	2.8	-2.5	1.3	.95163	580.8	.00207	.000909			
103	9.8	.0	2.6	.95830	584.1	.00204	.000896	.00204	.000896	
104	12.8	-5.8	1.9	.94273	576.5	.00248	.001089			
105	12.8	-3.0	3.4	.95330	584.5	.00241	.001059	.00242	.001063	
106	16.3	-6.5	1.9	.92939	559.1	.00066	.000290			
107	16.3	-3.0	3.9	.93829	568.5	.00094	.000413	.00096	.000422	
108	23.5	.0	3.9	.94496	570.5	.00104	.000457			
109	30.8	-6.5	1.9	.94940	576.8	.00128	.000562			
110	30.8	-3.0	3.9	.94885	573.1	.00104	.000457	.00104	.000457	
111	35.8	4.8	2.0	.97053	581.8	.00018	.000079			
112	35.8	-4.8	2.0	.97275	582.8	.00017	.000075			
113	5.8	.0	1.5	.96052	586.5	.00185	.000813	.00187	.000821	
114	5.8	2.5	1.3	.95274	584.1	.00216	.000949			
115	9.8	-4.7	1.9	.94996	579.1	.00224	.000984			
116	12.8	.0	3.4	.95663	585.5	.00225	.000988	.00228	.001002	
117	12.8	-5.5	3.1	.93995	582.8	.00354	.001555			
118	12.8	5.8	1.9	.94829	581.1	.00288	.001265			
119	16.3	.0	3.9	.94107	567.1	.00077	.000338			
120	16.3	-6.2	3.6	.92105	556.1	.00107	.000470			
121	16.3	6.5	1.9	.93328	561.8	.00067	.000294			
122	30.8	.0	3.9	.95052	574.5	.00095	.000417			
123	30.8	-6.2	3.6	.94662	576.5	.00132	.000580			
124	30.8	6.5	1.9	.95274	577.5	.00132	.000580			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

2. Equipment Pod; $\alpha = 0^{o}$ - Continued

(d) M = 3.51; R = 3.96×10^{6}; $T_t = 712^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St, c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94539	572.8	.00191	.000373			1.10
2	2.0	.0		.94873	574.8	.00167	.000326			.97
3	2.0	12.0		.94818	578.8	.00188	.000367			.96
4	8.0	.0		.94261	572.8	.00176	.000344			1.00
5	9.0	.0		.94261	571.5	.00170	.000332	.00173	.000338	.89
6	10.0	.0		.94093	570.5	.00192	.000375	.00188	.000367	1.01
7	11.0	.0		.94261	572.8	.00176	.000344	.00176	.000344	.92
8	11.5	.0		.94316	573.5	.00192	.000375	.00405	.000791	1.01
9	12.0	1.0		.94651	573.8	.00191	.000373	.00192	.000375	1.02
10	12.0	3.0		.94316	572.1	.00193	.000377	.00193	.000377	1.00
11	12.0	5.0		.94149	571.1	.00193	.000377			.98
12	14.0	4.0		.94883	573.1	.00191	.000373			1.01
16	14.0	-2.0		.94762	578.8	.00188	.000367			1.07
17	13.0	-2.0		.94595	573.5	.00191	.000373			1.00
18	12.0	-3.0		.94428	572.1	.00191	.000373			1.01
19	14.0	-3.0		.94762	575.5	.00196	.000383	.00204	.000399	1.09
20	14.0	-4.0		.94261	571.5	.00176	.000344	.00171	.000334	.99
21	16.0	-4.0		.94706	575.1	.00200	.000391	.00199	.000389	1.14
22	14.0	-6.0		.94093	570.5	.00180	.000352	.00180	.000352	1.02
23	14.0	-8.0		.94093	570.5	.00176	.000344	.00176	.000344	.92
24	14.0	-12.0		.94093	570.5	.00192	.000375			1.01
25	16.0	-8.0		.93926	569.5	.00178	.000348	.00176	.000344	.93
26	18.0	-8.0		.94316	571.5	.00173	.000338	.00173	.000338	1.00
30	18.0	-4.0		.95041	586.5	.00254	.000496	.00261	.000510	1.47
31	20.0	-4.0		.95208	575.1	.00134	.000262			.70
32	20.0	-5.0		.95096	581.8	.00306	.000598	.00311	.000608	1.76
33	20.0	-6.0		.95208	579.1	.00226	.000441	.00227	.000443	1.31
34	20.0	-7.0		.94873	575.5	.00189	.000369	.00186	.000363	1.08
35	20.0	-8.0		.94428	573.5	.00198	.000387			
36	20.0	-12.0		.94093	570.8	.00194	.000379			1.02
37	14.0	5.0		.94261	571.8	.00189	.000369	.00187	.000365	.96
38	14.0	6.0		.94149	571.5	.00190	.000371			.96
39	32.0	8.0		.93703	572.8	.00280	.000547			1.33
40	32.0	10.0		.94205	577.1	.00307	.000600	.00310	.000606	1.48
41	32.0	12.0		.94483	578.1	.00253	.000494			1.18
42	50.0	-8.0		.93090	567.1	.00241	.000471			1.39
43	50.0	-5.0		.93703	561.1	.00034	.000066			.18
44	50.0	.0		.95375	570.8	.00027	.000053			.14
45	50.0	6.0		.92422	554.8	.00053	.000104			.27
46	58.0	.0		.95821	578.5	.00129	.000252			.70
47	58.0	6.0		.94038	566.1	.00100	.000195			.50
48	58.0	12.0		.93146	566.1	.00208	.000406			.91
49	32.0	-7.0		.93369	567.8	.00178	.000348			.95
50	32.0	-8.0		.93090	566.5	.00229	.000447	.00229	.000447	1.29
51	32.0	-10.0		.93871	572.8	.00267	.000522	.00269	.000525	1.44
52	32.0	-12.0		.94483	575.1	.00248	.000484			1.28
53	42.0	-7.0		.93759	570.1	.00213	.000416			1.18
54	42.0	-8.0		.93536	570.1	.00270	.000527	.00259	.000506	1.43
55	42.0	-9.0		.93815	571.5	.00242	.000473	.00247	.000483	1.34
56	42.0	-10.0		.93759	570.5	.00228	.000445	.00227	.000443	1.22
57	42.0	-12.0		.93926	571.1	.00214	.000418			1.19
58	58.0	-5.0		.93035	564.5	.00178	.000348			
59	58.0	-8.0		.93035	562.5	.00157	.000307	.00156	.000305	.82
60	58.0	-12.0		.93871	569.8	.00191	.000373			1.01
61	14.0	8.0		.94205	572.1	.00196	.000383			.93
62	14.0	12.0		.94261	574.5	.00213	.000416			1.01
63	20.0	7.0		.94539	575.1	.00229	.000447			1.16
64	20.0	8.0		.94539	579.5	.00228	.000445			1.13
65	20.0	10.0		.94093	571.5	.00199	.000389			.99
66	20.0	12.0		.94038	571.1	.00199	.000389			.98
67	28.0	-7.0		.92923	564.1	.00198	.000387			1.14
69	30.0	8.0		.93871	575.1	.00331	.000647			1.62
101	1.8	.0	-.5	.94149	578.5	.00283	.000553			
102	2.8	-2.5	1.3	.92589	576.1	.00305	.000596			
103	9.8	.0	2.6	.93313	576.5	.00332	.000649	.00331	.000647	
104	12.8	-5.8	1.9	.90305	557.8	.00438	.000856			
105	12.8	-3.0	3.4	.92533	577.1	.00394	.000770	.00395	.000772	
106	16.3	-6.5	1.9	.89345	539.5	.00094	.000184			
107	16.3	-3.0	3.9	.91363	555.8	.00182	.000356	.00186	.000363	
108	23.5	.0	3.9	.91698	557.8	.00154	.000301			
109	30.8	-6.5	1.9	.91085	553.1	.00218	.000426			
110	30.8	-3.0	3.9	.92143	557.1	.00139	.000272	.00140	.000273	
113	5.8	.0	1.5	.94038	577.1	.00334	.000652	.00337	.000658	
114	5.8	2.5	1.3	.92923	579.5	.00365	.000713			
115	9.8	-4.7	1.9	.91698	562.8	.00342	.000668			
116	12.8	.0	3.4	.93090	576.5	.00375	.000733	.00378	.000738	
117	12.8	-5.5	3.1	.90416	567.5	.00670	.001309			
118	12.8	5.8	1.9	.91753	571.8	.00575	.001123			
119	16.3	.0	3.9	.91586	556.5	.00169	.000330			
120	16.3	-6.2	3.6	.88341	535.1	.00179	.000350			
121	16.3	6.5	1.9	.90416	546.1	.00137	.000268			
122	30.8	.0	3.9	.92255	557.5	.00134	.000262			
123	30.8	-6.2	3.6	.91307	553.1	.00179	.000350			
124	30.8	6.5	1.9	.92422	562.1	.00180	.000352			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

2. Equipment Pod; $\alpha = 0^{o}$ - Continued

(e) M = 3.51; R = 2.76×10^{6}; $T_t = 710^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94759	572.5	.00132	.000370			1.02
2	2.0	.0		.95149	574.8	.00129	.000362			1.04
3	2.0	12.0		.95149	575.5	.00137	.000384			1.00
4	8.0	.0		.94536	571.1	.00131	.000368			1.01
5	9.0	.0		.94536	571.1	.00133	.000373	.00135	.000379	.99
6	10.0	.0		.94369	570.1	.00134	.000376	.00130	.000365	1.00
7	11.0	.0		.94536	571.1	.00133	.000373	.00132	.000370	1.00
8	11.5	.0		.94648	571.8	.00131	.000368	.00334	.000937	.95
9	12.0	1.0		.94982	573.8	.00130	.000365	.00131	.000368	.84
10	12.0	3.0		.94648	572.1	.00136	.000382	.00136	.000382	.88
11	12.0	5.0		.94425	571.1	.00143	.000401			.92
12	14.0	4.0		.94871	573.1	.00135	.000379			.87
16	14.0	-2.0		.94982	574.8	.00157	.000441			1.20
17	13.0	-2.0		.94926	573.5	.00135	.000379			1.03
18	12.0	-3.0		.94703	571.8	.00132	.000370			1.01
19	14.0	-3.0		.95038	574.8	.00156	.000438	.00162	.000455	1.24
20	14.0	-4.0		.94648	571.5	.00132	.000370	.00128	.000359	1.02
21	16.0	-4.0		.94926	574.1	.00156	.000438	.00156	.000438	1.20
22	14.0	-6.0		.94425	570.1	.00136	.000382	.00136	.000382	1.04
23	14.0	-8.0		.94425	570.1	.00131	.000368	.00131	.000368	1.05
24	14.0	-12.0		.94369	571.1	.00140	.000393			1.04
25	16.0	-8.0		.94257	569.1	.00133	.000373	.00131	.000368	1.03
26	18.0	-8.0		.94703	571.8	.00132	.000370	.00133	.000373	1.00
30	18.0	-4.0		.95038	580.8	.00190	.000533	.00194	.000544	1.53
31	20.0	-4.0		.95317	575.1	.00102	.000286			.78
32	20.0	-5.0		.95149	579.1	.00208	.000584	.00223	.000626	1.66
33	20.0	-6.0		.95372	577.5	.00164	.000460	.00166	.000466	1.29
34	20.0	-7.0		.95149	574.8	.00137	.000384	.00136	.000382	1.06
35	20.0	-8.0		.94759	572.8	.00140	.000393			
36	20.0	-12.0		.94425	570.1	.00136	.000382			1.05
37	14.0	5.0		.94592	571.8	.00137	.000384	.00135	.000379	.88
38	14.0	6.0		.94480	571.5	.00142	.000398			.92
39	32.0	8.0		.94146	572.5	.00211	.000592			1.41
40	32.0	10.0		.94536	576.1	.00229	.000643	.00231	.000648	1.49
41	32.0	12.0		.94926	576.1	.00178	.000500			1.18
42	50.0	-8.0		.93421	566.5	.00176	.000494			1.32
44	50.0	.0		.95707	572.1	.00026	.000073			.19
45	50.0	6.0		.92752	555.8	.00044	.000123			.28
46	58.0	.0		.95930	577.8	.00095	.000267			.69
47	58.0	6.0		.94536	568.1	.00085	.000239			.55
48	58.0	12.0		.93477	568.5	.00153	.000429			1.03
49	32.0	-7.0		.93811	566.8	.00132	.000370			.99
50	32.0	-8.0		.93533	566.5	.00164	.000460	.00160	.000449	1.21
51	32.0	-10.0		.94202	571.8	.00193	.000542	.00195	.000547	1.48
52	32.0	-12.0		.94759	575.8	.00177	.000497			1.28
53	42.0	-7.0		.94202	571.8	.00166	.000466			1.24
54	42.0	-8.0		.93923	570.1	.00193	.000542	.00190	.000533	1.45
55	42.0	-9.0		.94202	571.5	.00181	.000508	.00185	.000519	1.32
56	42.0	-10.0		.94146	570.5	.00172	.000483	.00170	.000477	1.29
57	42.0	-12.0		.94369	572.8	.00165	.000463			1.23
58	58.0	-5.0		.93756	566.8	.00134	.000376			
59	58.0	-8.0		.93533	564.5	.00104	.000292	.00103	.000289	.81
60	58.0	-12.0		.94313	569.8	.00139	.000390			1.04
61	14.0	8.0		.94536	571.8	.00140	.000393			.89
62	14.0	12.0		.94536	572.5	.00147	.000413			1.00
63	20.0	7.0		.94871	574.5	.00161	.000452			1.04
64	20.0	8.0		.94871	576.8	.00177	.000497			1.14
65	20.0	10.0		.94480	571.5	.00157	.000441			1.01
66	20.0	12.0		.94369	570.8	.00140	.000393			.90
67	28.0	-7.0		.93198	563.5	.00137	.000384			1.04
69	30.0	8.0		.94146	573.5	.00230	.000645			1.58
101	1.8	.0	.5	.94313	574.5	.00202	.000567			
102	2.8	-2.5	1.3	.92864	567.8	.00263	.000738			
103	9.8	.0	2.6	.93644	574.5	.00262	.000735	.00262	.000735	
104	12.8	-5.8	1.9	.90912	557.1	.00291	.000817			
105	12.8	-3.0	3.4	.92808	569.5	.00323	.000906	.00324	.000909	
106	16.3	-6.5	1.9	.90076	540.1	.00062	.000174			
107	16.3	-3.0	3.9	.91804	555.1	.00114	.000320	.00123	.000345	
108	23.5	.0	3.9	.92418	557.5	.00124	.000348			
109	30.8	-6.5	1.9	.92027	557.5	.00144	.000404			
110	30.8	-3.0	3.9	.92919	559.8	.00100	.000281	.00101	.000283	
113	5.8	.0	1.5	.94313	575.1	.00237	.000665	.00240	.000674	
114	5.8	2.5	1.3	.93198	572.1	.00305	.000856			
115	9.8	-4.7	1.9	.92306	562.8	.00241	.000676			
116	12.8	.0	3.4	.93365	573.8	.00278	.000780	.00281	.000789	
117	12.8	-5.5	3.1	.90745	567.1	.00467	.001311			
118	12.8	5.8	1.9	.92083	574.8	.00383	.001075			
119	16.3	.0	3.9	.92027	554.8	.00124	.000348			
120	16.3	-6.2	3.6	.89048	535.5	.00126	.000354			
121	16.3	6.5	1.9	.90912	548.5	.00089	.000250			
122	30.8	.0	3.9	.93087	560.1	.00100	.000281			
123	30.8	-6.2	3.6	.92195	556.1	.00124	.000348			
124	30.8	6.5	1.9	.93254	563.1	.00134	.000376			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

2. Equipment Pod; $\alpha = 0^{o}$ - Continued

(f) $M = 3.51$; $R = 1.61 \times 10^{6}$; $T_t = 707^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95253	572.1	.00077	.000372			.88
2	2.0	.0		.95644	574.8	.00088	.000425			1.01
3	2.0	12.0		.95644	575.5	.00079	.000382			.91
4	8.0	.0		.95085	571.1	.00076	.000367			.97
5	9.0	.0		.95085	571.5	.00088	.000425	.00090	.000435	1.00
6	10.0	.0		.94974	570.8	.00079	.000382	.00076	.000367	.90
7	11.0	.0		.95197	571.8	.00079	.000382	.00078	.000377	1.04
8	11.5	.0		.95309	572.5	.00079	.000382	.00286	.001383	.98
9	12.0	1.0		.95644	575.1	.00082	.000396	.00083	.000401	.93
10	12.0	3.0		.95309	572.8	.00088	.000425	.00088	.000425	1.00
11	12.0	5.0		.95085	571.8	.00080	.000387			.96
12	14.0	4.0		.95588	575.8	.00088	.000425			1.00
16	14.0	-2.0		.95476	576.1	.00089	.000430			1.17
17	13.0	-2.0		.95476	573.8	.00083	.000401			1.09
18	12.0	-3.0		.95309	572.5	.00079	.000382			1.01
19	14.0	-3.0		.95532	574.8	.00089	.000430	.00098	.000474	1.14
20	14.0	-4.0		.95253	572.1	.00071	.000343	.00068	.000329	.82
21	16.0	-4.0		.95309	576.1	.00094	.000454	.00094	.000454	1.08
22	14.0	-6.0		.95030	570.8	.00072	.000348	.00072	.000348	.92
23	14.0	-8.0		.95030	570.5	.00076	.000367	.00076	.000367	1.01
24	14.0	-12.0		.94974	570.5	.00078	.000377			.90
25	16.0	-8.0		.94918	570.1	.00088	.000425	.00087	.000421	1.11
26	18.0	-8.0		.95365	572.8	.00079	.000382	.00080	.000387	.91
30	18.0	-4.0		.95253	574.5	.00126	.000609	.00127	.000614	1.59
31	20.0	-4.0		.95588	573.1	.00066	.000319			.81
32	20.0	-5.0		.95309	575.5	.00132	.000638	.00138	.000667	1.52
33	20.0	-6.0		.95532	575.1	.00099	.000479	.00099	.000479	1.14
34	20.0	-7.0		.95532	575.8	.00089	.000430	.00090	.000435	1.14
35	20.0	-8.0		.95253	575.5	.00094	.000454			
36	20.0	-12.0		.95085	571.1	.00079	.000382			.91
37	14.0	5.0		.95309	572.8	.00088	.000425	.00087	.000421	1.01
38	14.0	6.0		.95141	572.1	.00080	.000387			.91
39	32.0	8.0		.94694	571.8	.00133	.000643			1.41
40	32.0	10.0		.95141	575.1	.00136	.000657	.00137	.000662	1.36
41	32.0	12.0		.95644	576.5	.00125	.000604			1.36
42	50.0	-8.0		.94192	567.5	.00127	.000614			1.48
43	50.0	-5.0		.94694	564.8	.00017	.000082			.19
44	50.0	.0		.96370	574.8	.00017	.000082			.20
45	50.0	6.0		.93522	558.5	.00025	.000121			.28
46	58.0	.0		.96481	578.5	.00065	.000314			.82
47	58.0	6.0		.95365	570.5	.00047	.000227			.54
48	58.0	12.0		.94248	569.5	.00095	.000459			1.03
49	32.0	-7.0		.94359	566.8	.00089	.000430			1.14
50	32.0	-8.0		.94024	568.1	.00095	.000459	.00090	.000435	1.09
51	32.0	-10.0		.94639	570.1	.00108	.000522	.00108	.000522	1.33
52	32.0	-12.0		.95253	573.5	.00102	.000493			1.16
53	42.0	-7.0		.94918	572.8	.00090	.000435			1.15
54	42.0	-8.0		.94694	571.1	.00121	.000585	.00115	.000556	1.55
55	42.0	-9.0		.94918	572.1	.00126	.000609	.00129	.000624	1.45
56	42.0	-10.0		.94862	571.5	.00104	.000503	.00102	.000493	1.32
57	42.0	-12.0		.95141	572.5	.00099	.000479			1.13
58	58.0	-5.0		.94862	570.5	.00083	.000401			
59	58.0	-8.0		.94471	566.1	.00060	.000290	.00059	.000285	.79
60	58.0	-12.0		.95085	571.1	.00077	.000372			.95
61	14.0	8.0		.95141	573.8	.00089	.000430			.96
62	14.0	12.0		.95141	574.8	.00094	.000454			.96
63	20.0	7.0		.95309	574.1	.00103	.000498			1.12
64	20.0	8.0		.95420	577.1	.00109	.000527			1.25
65	20.0	10.0		.95141	572.1	.00084	.000406			.91
66	20.0	12.0		.94974	572.8	.00090	.000435			1.02
67	28.0	-7.0		.93801	564.1	.00081	.000392			1.04
69	30.0	8.0		.94471	572.5	.00129	.000624			1.36
101	1.8	.0	.5	.94862	574.5	.00135	.000653			
102	2.8	-2.5	1.3	.93522	567.5	.00151	.000730			
103	9.8	.0	2.6	.94415	572.8	.00149	.000720	.00149	.000720	
104	12.8	-5.8	1.9	.92182	560.1	.00180	.000870			
105	12.8	-3.0	3.4	.93578	568.1	.00189	.000914	.00191	.000923	
106	16.3	-6.5	1.9	.91511	546.8	.00032	.000155			
107	16.3	-3.0	3.9	.92684	555.5	.00061	.000295	.00064	.000309	
108	23.5	.0	3.9	.93689	562.1	.00065	.000314			
109	30.8	-6.5	1.9	.93689	562.8	.00089	.000430			
110	30.8	-3.0	3.9	.94192	564.8	.00062	.000300	.00062	.000300	
113	5.8	.0	1.5	.94862	574.8	.00135	.000653	.00138	.000667	
114	5.8	2.5	1.3	.93801	569.8	.00189	.000914			
115	9.8	-4.7	1.9	.93354	565.1	.00137	.000662			
116	12.8	.0	3.4	.94192	570.8	.00167	.000807	.00169	.000817	
117	12.8	-5.5	3.1	.91679	561.1	.00262	.001267			
118	12.8	5.8	1.9	.93075	570.1	.00238	.001151			
119	16.3	.0	3.9	.92963	556.8	.00062	.000300			
120	16.3	-6.2	3.6	.90060	539.5	.00068	.000329			
121	16.3	6.5	1.9	.92126	551.8	.00046	.000222			
122	30.8	.0	3.9	.94415	565.8	.00062	.000300			
123	30.8	-6.2	3.6	.93689	562.5	.00071	.000343			
124	30.8	6.5	1.9	.94750	569.1	.00077	.000372			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

2. Equipment Pod; $\alpha = 0^{o}$ - Continued

(g) M = 4.44; R = 4.43×10^{6}; $T_t = 693^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.92577	572.8	.00087	.000221			1.19
2	2.0	.0		.92852	576.1	.00118	.000300			1.53
3	2.0	12.0		.92687	576.5	.00133	.000338			1.00
4	8.0	.0		.92467	572.1	.00107	.000272			1.01
5	9.0	.0		.92467	572.1	.00107	.000272	.00105	.000267	1.01
6	10.0	.0		.92577	572.8	.00106	.000270	.00110	.000280	1.36
7	11.0	.0		.92467	572.1	.00105	.000267	.00094	.000239	.99
8	11.5	.0		.92687	573.1	.00104	.000264			.98
9	12.0	1.0		.92852	574.5	.00110	.000280	.00111	.000282	1.04
10	12.0	3.0		.92742	573.8	.00110	.000280			.98
12	14.0	4.0		.92852	574.5	.00110	.000280			1.02
16	14.0	-2.0		.92852	575.1	.00111	.000282			1.21
17	13.0	-2.0		.92797	575.5	.00117	.000298			1.38
18	12.0	-3.0		.93237	573.5	.00099	.000252			1.16
19	14.0	-3.0		.93017	575.5	.00110	.000280	.00121	.000308	1.29
20	14.0	-4.0		.92577	572.1	.00104	.000264	.00098	.000249	1.20
21	16.0	-4.0		.92852	576.1	.00124	.000315	.00125	.000318	1.23
22	14.0	-6.0		.92467	571.8	.00103	.000262	.00102	.000259	1.20
23	14.0	-8.0		.92742	574.1	.00091	.000231	.00092	.000234	1.15
24	14.0	-12.0		.92687	572.5	.00083	.000211			1.00
25	16.0	-8.0		.92467	571.5	.00098	.000249	.00096	.000244	1.24
26	18.0	-8.0		.92852	574.8	.00091	.000231	.00092	.000234	1.28
30	18.0	-4.0		.92962	577.5	.00160	.000407	.00163	.000415	1.88
31	20.0	-4.0		.93182	576.8	.00090	.000229			1.05
32	20.0	-5.0		.93127	581.8	.00182	.000463	.00207	.000526	2.36
33	20.0	-6.0		.93402	580.1	.00131	.000333	.00133	.000338	1.62
34	20.0	-7.0		.93292	578.5	.00116	.000295	.00117	.000298	1.57
35	20.0	-8.0		.92962	575.1	.00131	.000333			1.07
36	20.0	-12.0		.92797	574.1	.00090	.000229			1.22
37	14.0	5.0		.92632	573.5	.00132	.000336	.00130	.000331	1.13
38	14.0	6.0		.92632	574.1	.00123	.000313			1.89
39	32.0	8.0		.91807	572.1	.00214	.000544			1.68
40	32.0	10.0		.92797	578.1	.00223	.000567	.00228	.000580	1.24
41	32.0	12.0		.92907	576.8	.00166	.000422			1.87
42	50.0	-8.0		.91917	571.1	.00144	.000366			.70
46	58.0	.0		.94006	580.5	.00075	.000191			.62
47	58.0	6.0		.92247	568.1	.00076	.000193			1.01
48	56.0	12.0		.91642	568.8	.00152	.000387			1.12
49	32.0	-7.0		.91972	569.1	.00103	.000262			1.74
50	32.0	-8.0		.91807	570.8	.00134	.000341	.00128	.000326	2.09
51	32.0	-10.0		.92577	576.1	.00180	.000458	.00183	.000465	1.66
52	32.0	-12.0		.93182	579.1	.00131	.000333			1.49
53	42.0	-7.0		.92577	574.1	.00124	.000315			1.75
54	42.0	-8.0		.92357	574.1	.00135	.000343	.00137	.000348	1.91
55	42.0	-9.0		.92742	575.1	.00151	.000384	.00158	.000402	1.55
56	42.0	-10.0		.92687	576.1	.00132	.000336	.00131	.000333	1.46
57	42.0	-12.0		.92742	574.8	.00123	.000313			1.15
58	58.0	-5.0		.92357	569.5	.00076	.000193			1.42
59	58.0	-8.0		.91807	568.8	.00093	.000237	.00091	.000231	1.06
60	58.0	-12.0		.92852	574.5	.00104	.000264			1.08
61	14.0	8.0		.92522	574.8	.00132	.000336			1.30
62	14.0	12.0		.92192	573.5	.00134	.000341			1.23
63	20.0	7.0		.92962	576.8	.00150	.000381			1.08
64	20.0	8.0		.93017	577.1	.00150	.000381			1.15
65	20.0	10.0		.92357	573.8	.00133	.000338			1.68
66	20.0	12.0		.92192	572.5	.00143	.000364			1.83
67	28.0	-7.0		.91532	569.5	.00128	.000326			
69	30.0	8.0		.91862	573.5	.00225	.000572			
101	1.8	.0	.5	.91972	573.1	.00181	.000460			
102	2.8	-2.5	1.3	.90652	567.5	.00213	.000542			
103	9.8	.0	2.6	.91512	571.1	.00241	.000613	.00241	.000613	
104	12.8	-5.8	1.9	.88838	555.5	.00268	.000682			
105	12.8	-3.0	3.4	.90762	569.1	.00286	.000727	.00290	.000737	
106	16.3	-6.5	1.9	.88233	542.5	.00050	.000127			
107	16.3	-3.0	3.9	.90103	557.1	.00106	.000270	.00113	.000287	
108	23.5	.0	3.9	.90707	560.5	.00102	.000259			
109	30.8	-6.5	1.9	.90652	560.5	.00088	.000224			
110	30.8	-3.0	3.9	.91532	564.8	.00076	.000193	.00078	.000198	
113	5.8	.0	1.5	.91807	572.8	.00213	.000542	.00218	.000554	
114	5.8	2.5	1.3	.90432	567.5	.00272	.000692			
115	9.8	-4.7	1.9	.90103	562.5	.00209	.000531			
116	12.8	.0	3.4	.91092	570.5	.00271	.000689	.00275	.000699	
117	12.8	-5.5	3.1	.88673	565.1	.00420	.001068			
118	12.8	5.8	1.9	.89333	566.8	.00417	.001060			
119	16.3	.0	3.9	.90048	556.1	.00086	.000219			
120	16.3	-6.2	3.6	.86804	535.8	.00083	.000211			
121	16.3	6.5	1.9	.88508	545.5	.00063	.000160			
122	30.8	.0	3.9	.91532	564.5	.00074	.000188			
123	30.8	-6.2	3.6	.90817	561.8	.00077	.000196			
124	30.8	6.5	1.9	.91587	565.5	.00100	.000254			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

2. Equipment Pod; $\alpha = 0^{o}$ - Continued

(h) $M = 4.44$; $R = 3.12 \times 10^{6}$; $T_t = 691^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.93570	569.5	.00058	.000210			.95
2	2.0	.0		.93955	572.5	.00077	.000278			1.01
3	2.0	12.0		.93680	571.8	.00080	.000289			.95
4	8.0	.0		.93515	569.5	.00065	.000235			.87
5	9.0	.0		.93515	569.8	.00070	.000253	.00071	.000256	.97
6	10.0	.0		.93460	569.1	.00063	.000228	.00060	.000217	.89
7	11.0	.0		.93570	569.8	.00062	.000224	.00060	.000217	.87
8	11.5	.0		.93680	570.8	.00077	.000278			1.05
9	12.0	1.0		.94010	572.5	.00071	.000256	.00072	.000260	.87
10	12.0	3.0		.93735	571.1	.00072	.000260	.00071	.000256	.86
11	12.0	5.0		.93625	571.5	.00078	.000282			.87
12	14.0	4.0		.93955	572.5	.00071	.000256			.93
16	14.0	-2.0		.93845	572.5	.00073	.000264			.96
17	13.0	-2.0		.93900	571.5	.00064	.000231			.89
18	12.0	-3.0		.93735	570.5	.00059	.000213			.84
19	14.0	-3.0		.94010	574.5	.00077	.000278	.00085	.000307	1.10
20	14.0	-4.0		.93625	569.8	.00062	.000224	.00057	.000206	.87
21	16.0	-4.0		.93735	571.8	.00077	.000278	.00078	.000282	1.10
22	14.0	-6.0		.93460	568.8	.00062	.000224	.00061	.000220	.97
23	14.0	-8.0		.93515	568.8	.00053	.000191	.00053	.000191	.91
24	14.0	-12.0		.93460	568.5	.00060	.000217			.90
25	16.0	-8.0		.93350	567.8	.00062	.000224	.00060	.000217	.90
26	18.0	-8.0		.93680	569.8	.00060	.000217	.00060	.000217	.90
30	18.0	-4.0		.93570	572.5	.00107	.000387	.00107	.000387	1.55
31	20.0	-4.0		.93955	571.5	.00056	.000202			.69
32	20.0	-5.0		.93735	573.1	.00113	.000408	.00118	.000426	1.85
33	20.0	-6.0		.94010	574.1	.00078	.000282	.00080	.000289	1.28
34	20.0	-7.0		.94010	573.5	.00077	.000278	.00079	.000285	1.12
35	20.0	-8.0		.93790	571.5	.00071	.000256			
36	20.0	-12.0		.93570	569.1	.00065	.000235			.86
37	14.0	5.0		.93735	572.1	.00077	.000278	.00075	.000271	.91
38	14.0	6.0		.93625	570.8	.00073	.000264			.81
39	32.0	8.0		.92911	569.8	.00147	.000531			1.47
40	32.0	10.0		.93625	575.1	.00135	.000488	.00137	.000495	1.30
41	32.0	12.0		.94120	575.8	.00106	.000383			.90
42	50.0	-8.0		.92746	566.5	.00089	.000321			1.46
46	58.0	.0		.95219	578.1	.00050	.000181			.59
48	58.0	12.0		.92581	565.5	.00089	.000321			.82
49	32.0	-7.0		.92801	564.8	.00055	.000199			.80
50	32.0	-8.0		.92471	564.1	.00078	.000282	.00071	.000256	1.26
51	32.0	-10.0		.93240	569.1	.00079	.000285	.00080	.000289	1.14
52	32.0	-12.0		.93900	573.1	.00088	.000318			1.16
53	42.0	-7.0		.93460	570.8	.00078	.000282			1.24
54	42.0	-8.0		.93295	570.1	.00089	.000321	.00084	.000303	1.17
55	42.0	-9.0		.93570	570.8	.00078	.000282	.00082	.000296	1.03
56	42.0	-10.0		.93570	570.5	.00084	.000303	.00083	.000300	1.47
57	42.0	-12.0		.93680	570.8	.00074	.000267			1.21
59	58.0	-8.0		.92801	564.1	.00055	.000199	.00053	.000191	.82
60	58.0	-12.0		.93680	570.1	.00064	.000231			.84
61	14.0	8.0		.93570	570.5	.00081	.000293			.89
62	14.0	12.0		.93185	568.8	.00100	.000361			.97
63	26.0	7.0		.93735	572.5	.00106	.000383			1.25
64	20.0	8.0		.93955	573.8	.00104	.000376			1.16
65	20.0	10.0		.93295	569.5	.00088	.000318			.97
66	20.0	12.0		.93075	567.8	.00083	.000300			.97
67	28.0	-7.0		.92196	562.1	.00075	.000271			1.19
69	30.0	8.0		.92691	568.8	.00148	.000535			1.64
101	1.8	.0	.5	.92856	568.5	.00137	.000495			
102	2.8	-2.5	1.3	.91262	561.1	.00139	.000502			
103	9.8	.0	2.6	.92031	565.8	.00151	.000545	.00156	.000542	
104	12.8	-5.8	1.9	.89613	550.5	.00155	.000560			
105	12.8	-3.0	3.4	.91372	561.8	.00179	.000647	.00184	.000665	
106	16.3	-6.5	1.9	.89229	540.5	.00032	.000116			
107	16.3	3.0	3.9	.90767	551.8	.00055	.000199	.00061	.000220	
108	23.5	.0	3.9	.91757	557.8	.00067	.000242			
109	30.8	-6.5	1.9	.91702	557.5	.00059	.000213			
110	30.8	-3.0	3.9	.92526	561.8	.00054	.000195	.00055	.000199	
113	5.8	.0	1.5	.92691	567.8	.00137	.000495	.00151	.000545	
114	5.8	2.5	1.3	.91152	560.8	.00178	.000643			
115	9.8	-4.7	1.9	.91097	557.1	.00121	.000437			
116	12.8	.0	3.4	.91757	563.8	.00173	.000625	.00176	.000636	
117	12.8	-5.5	3.1	.89174	553.1	.00251	.000907			
118	12.8	5.8	1.9	.90053	557.5	.00283	.001022			
119	16.3	.0	3.9	.90767	551.5	.00056	.000202			
120	16.3	-6.2	3.6	.87690	532.1	.00059	.000213			
121	16.3	6.5	1.9	.89449	543.1	.00050	.000181			
122	30.8	.0	3.9	.92581	561.8	.00053	.000191			
123	30.8	-6.2	3.6	.91921	557.8	.00051	.000184			
124	30.8	6.5	1.9	.92856	564.5	.00067	.000242			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

2. Equipment Pod; $\alpha = 0^{o}$ - Concluded

(i) $M = 4.44$; $R = 2.08 \times 10^{6}$; $T_t = 694^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
2	2.0	.0		.93636	574.8	.00063	.000342			.77
3	2.0	12.0		.93528	575.5	.00084	.000456			1.22
4	8.0	.0		.93691	574.1	.00057	.000309			1.08
5	9.0	.0		.93745	574.5	.00055	.000298	.00057	.000309	.83
6	10.0	.0		.93691	574.1	.00055	.000298	.00051	.000277	.93
7	11.0	.0		.93854	575.1	.00055	.000298	.00054	.000293	1.04
8	11.5	.0		.93963	575.8	.00055	.000298			.83
9	12.0	1.0		.94235	577.5	.00054	.000293	.00055	.000298	.82
10	12.0	3.0		.94017	576.1	.00060	.000326	.00059	.000320	1.05
11	12.0	5.0		.93963	575.8	.00059	.000320			1.05
12	14.0	4.0		.94235	577.5	.00058	.000315			1.09
16	14.0	-2.0		.93854	576.5	.00068	.000369			1.28
17	13.0	-2.0		.94017	576.5	.00055	.000298			1.04
18	12.0	-3.0		.93963	575.8	.00053	.000288			1.00
19	14.0	-3.0		.94072	576.8	.00059	.000320	.00065	.000353	1.11
20	14.0	-4.0		.93908	575.1	.00054	.000293	.00051	.000277	1.02
21	16.0	-4.0		.93745	575.8	.00085	.000461	.00078	.000423	1.60
22	14.0	-6.0		.93800	574.5	.00053	.000288	.00053	.000288	1.00
23	14.0	-8.0		.93800	574.1	.00042	.000228	.00042	.000228	.82
24	14.0	-12.0		.93691	573.8	.00049	.000266			
25	16.0	-8.0		.93691	573.8	.00049	.000266	.00047	.000255	.92
26	18.0	-8.0		.94072	575.8	.00050	.000271	.00051	.000277	.94
30	18.0	-4.0		.93256	573.5	.00097	.000526	.00085	.000461	1.83
31	20.0	-4.0		.93365	572.8	.00053	.000288			1.02
32	20.0	-5.0		.93310	574.5	.00097	.000526	.00097	.000526	1.83
33	20.0	-6.0		.93745	575.1	.00066	.000358	.00066	.000358	1.25
34	20.0	-7.0		.94072	576.5	.00058	.000315	.00063	.000342	1.09
35	20.0	-8.0		.94017	576.1	.00063	.000342			
36	20.0	-12.0		.93854	574.8	.00056	.000304			1.14
37	14.0	5.0		.94072	576.8	.00067	.000364	.00066	.000358	1.02
38	14.0	6.0		.93963	576.1	.00056	.000304			1.04
39	32.0	8.0		.92821	571.1	.00115	.000624			1.42
40	32.0	10.0		.93691	576.5	.00114	.000619	.00116	.000630	1.78
41	32.0	12.0		.94452	579.8	.00082	.000445			1.00
42	50.0	-8.0		.93201	571.8	.00077	.000418			1.45
46	58.0	.0		.95377	583.8	.00039	.000212			.74
48	58.0	12.0		.93093	571.5	.00076	.000412			.94
49	32.0	-7.0		.92440	566.8	.00050	.000271			.94
50	32.0	-8.0		.92331	566.5	.00059	.000320	.00053	.000288	1.11
51	32.0	-10.0		.93147	571.8	.00077	.000418	.00077	.000418	
52	32.0	-12.0		.94017	576.5	.00064	.000347			1.23
53	42.0	-7.0		.93419	573.5	.00070	.000380			1.32
54	42.0	-8.0		.93528	574.5	.00086	.000467	.00084	.000456	
55	42.0	-9.0		.93908	577.5	.00082	.000445	.00090	.000488	1.55
56	42.0	-10.0		.93963	576.5	.00076	.000412	.00075	.000407	1.49
57	42.0	-12.0		.94235	577.5	.00068	.000369			1.51
58	58.0	-5.0		.93963	575.1	.00041	.000223			
59	58.0	-8.0		.93147	570.5	.00051	.000277	.00048	.000260	.85
60	58.0	-12.0		.94017	576.1	.00063	.000342			1.19
61	14.0	8.0		.93908	575.8	.00064	.000347			.97
62	14.0	12.0		.93582	574.1	.00072	.000391			.99
63	20.0	7.0		.93854	577.5	.00084	.000456			1.42
64	20.0	8.0		.94180	579.5	.00083	.000450			1.28
65	20.0	10.0		.93745	575.1	.00075	.000407			1.27
66	20.0	12.0		.93582	574.1	.00075	.000407			1.03
67	28.0	-7.0		.92059	565.1	.00062	.000336			
69	30.0	8.0		.92440	569.1	.00116	.000630			1.87
101	1.8	.0	.5	.92984	572.5	.00113	.000613			
102	2.8	-2.5	1.3	.91679	565.8	.00131	.000711			
103	9.8	.0	2.6	.92766	571.5	.00150	.000814	.00150	.000814	
104	12.8	-5.8	1.9	.90754	561.1	.00140	.000760			
105	12.8	-3.0	3.4	.92114	568.1	.00172	.000933	.00177	.000961	
107	16.3	-3.0	3.9	.91407	559.5	.00053	.000288	.00059	.000320	
108	23.5	.0	3.9	.92603	567.1	.00055	.000298			
109	30.8	-6.5	1.9	.92549	567.1	.00055	.000298			
110	30.8	-3.0	3.9	.93038	570.1	.00045	.000244	.00046	.000250	
113	5.8	.0	1.5	.92929	574.1	.00113	.000613	.00120	.000651	
114	5.8	2.5	1.3	.91461	567.1	.00154	.000836			
115	9.8	-4.7	1.9	.91733	564.1	.00120	.000651			
116	12.8	.0	3.4	.92549	572.5	.00162	.000879	.00165	.000895	
117	12.8	-5.5	3.1	.90101	560.8	.00253	.001373			
118	12.8	5.8	1.9	.90808	567.8	.00227	.001232			
119	16.3	.0	3.9	.91624	560.8	.00044	.000239			
120	16.3	-6.2	3.6	.88687	542.8	.00053	.000288			
121	16.3	6.5	1.9	.90482	553.1	.00038	.000206			
122	30.8	.0	3.9	.93310	571.5	.00047	.000255			
124	30.8	6.5	1.9	.93854	574.8	.00054	.000293			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

3. Equipment Pod; $\alpha = 10^{\circ}$

(a) $M = 2.65$; $R = 3.80 \times 10^6$; $T_t = 725^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94756	591.5	.00317	.000453			1.01
2	2.0	.0		.95083	592.1	.00297	.000425			1.00
3	2.0	12.0		.95083	592.5	.00285	.000408			.96
4	8.0	.0		.94701	590.1	.00307	.000439			1.00
5	9.0	.0		.94756	590.8	.00313	.000448	.00317	.000453	.94
6	10.0	.0		.94537	589.1	.00306	.000438	.00299	.000428	1.00
7	11.0	.0		.94756	590.5	.00309	.000442	.00315	.000451	.93
8	11.5	.0		.94701	590.5	.00313	.000448	.00310	.000443	1.03
9	12.0	1.0		.94974	591.8	.00303	.000433	.00303	.000433	1.00
10	12.0	3.0		.94974	592.1	.00312	.000446	.00314	.000449	.94
11	12.0	5.0		.94701	590.1	.00295	.000422			.89
13	14.0	1.0		.95466	597.5	.00379	.000542			1.23
14	14.0	.0		.95411	596.5	.00376	.000538	.00376	.000538	1.21
15	14.0	-1.0		.95411	595.5	.00325	.000465	.00332	.000475	.98
16	14.0	-2.0		.94865	591.1	.00306	.000438	.00294	.000421	.99
17	13.0	-2.0		.94646	590.1	.00306	.000438			1.01
18	12.0	-3.0		.94920	591.5	.00309	.000442			.98
19	14.0	-3.0		.94810	591.1	.00319	.000456	.00322	.000461	1.01
20	14.0	-4.0		.94592	589.8	.00316	.000452	.00314	.000449	1.01
21	16.0	-4.0		.95138	594.5	.00342	.000489	.00343	.000491	1.03
22	14.0	-6.0		.94592	590.5	.00333	.000476	.00333	.000476	1.04
23	14.0	-8.0		.94646	590.5	.00323	.000462	.00323	.000462	1.02
24	14.0	-12.0		.94701	591.1	.00342	.000489			1.01
25	16.0	-8.0		.94483	589.5	.00324	.000463	.00323	.000462	1.01
26	18.0	-8.0		.94810	591.5	.00322	.000461	.00322	.000461	1.01
27	16.0	-2.0		.95520	596.8	.00349	.000499	.00345	.000494	1.12
28	18.0	-2.0		.96504	620.1	.00484	.000692			1.56
29	20.0	-3.0		.96176	617.8	.00555	.000794			1.78
30	18.0	-4.0		.95575	597.5	.00349	.000499	.00342	.000489	1.13
31	20.0	-4.0		.96394	608.5	.00481	.000688	.00488	.000698	1.54
32	20.0	-5.0		.96176	603.5	.00420	.000601	.00418	.000598	1.33
33	20.0	-6.0		.95739	602.1	.00373	.000534	.00371	.000531	1.18
34	20.0	-7.0		.95411	596.1	.00343	.000491	.00342	.000489	1.09
35	20.0	-8.0		.94920	593.1	.00346	.000495			
36	20.0	-12.0		.94756	591.5	.00329	.000471			1.06
37	14.0	5.0		.95357	597.8	.00319	.000456			1.10
38	14.0	6.0		.95138	593.5	.00311	.000445			
39	32.0	8.0		.93936	585.5	.00301	.000431			.99
40	32.0	10.0		.94646	595.1	.00376	.000538	.00379	.000542	1.19
41	32.0	12.0		.95193	593.8	.00337	.000482			1.16
42	50.0	-8.0		.94100	577.8	.00112	.000160			.35
43	50.0	-5.0		.94920	581.8	.00071	.000102			.22
44	50.0	.0		.94264	576.1	.00037	.000053			.11
45	50.0	6.0		.93718	584.8	.00323	.000462			1.07
46	58.0	.0		.93336	578.5	.00236	.000338			.81
47	58.0	6.0		.93281	580.8	.00288	.000412			.91
48	58.0	12.0		.93936	585.1	.00286	.000409			.91
49	32.0	-7.0		.94046	595.1	.00446	.000638			1.35
50	32.0	-8.0		.94264	595.5	.00512	.000732	.00517	.000740	1.59
51	32.0	-10.0		.94592	596.5	.00499	.000714	.00502	.000718	1.48
52	32.0	-12.0		.94428	593.5	.00437	.000625			1.29
55	42.0	-9.0		.94373	595.1	.00489	.000699	.00511	.000731	1.49
56	42.0	-10.0		.94428	595.8	.00499	.000714	.00499	.000714	1.54
57	42.0	-12.0		.95029	597.5	.00440	.000629			1.37
58	58.0	-5.0		.96668	602.1	.00315	.000451			
59	58.0	-8.0		.93445	581.1	.00287	.000411	.00283	.000405	.89
60	58.0	-12.0		.93936	584.5	.00285	.000408			.88
61	14.0	8.0		.94865	591.1	.00307	.000439			.96
62	14.0	12.0		.94865	592.1	.00318	.000455			.96
63	20.0	7.0		.95520	599.5	.00423	.000605			1.40
64	20.0	8.0		.95357	594.8	.00336	.000481			1.13
65	20.0	10.0		.95083	593.8	.00322	.000461			.97
66	20.0	12.0		.94701	589.8	.00289	.000413			.94
67	28.0	-7.0		.94319	600.1	.00539	.000771			1.68
69	30.0	8.0		.93991	586.5	.00315	.000451			1.01
101	1.8	.0	.5	.95357	605.8	.00397	.000568			
102	2.8	-2.5	1.3	.94646	607.1	.00585	.000837			
103	9.8	.0	2.6	.94865	600.1	.00526	.000752	.00526	.000752	
104	12.8	-5.8	1.9	.93336	605.1	.00785	.001123			
105	12.8	-3.6	3.4	.94264	609.1	.00611	.000874	.00608	.000870	
106	16.3	-6.5	1.9	.90823	569.5	.00402	.000575			
107	16.3	-3.0	3.9	.92625	579.8	.00354	.000506	.00356	.000509	
108	23.5	.0	3.9	.92680	577.1	.00282	.000403			
109	30.8	-6.5	1.9	.93390	587.1	.00437	.000625			
110	30.8	-3.0	3.9	.93390	585.1	.00359	.000514	.00359	.000514	
111	35.8	4.8	2.0	.96504	590.5	.00054	.000077			
112	35.8	-4.8	2.0	.96121	587.1	.00026	.000037			
113	5.8	.0	1.5	.95302	604.5	.00448	.000641	.00450	.000644	
114	5.8	2.5	1.3	.94046	599.5	.00422	.000604			
115	9.8	-4.7	1.9	.93936	599.5	.00665	.000951			
116	12.8	.0	3.4	.94810	600.5	.00549	.000785	.00553	.000791	
117	12.8	-5.5	3.1	.93390	618.1	.00940	.001345			
118	12.8	5.8	1.9	.92462	590.8	.00476	.000681			
119	16.3	.0	3.9	.92953	584.5	.00296	.000423			
120	16.3	-6.2	3.6	.90113	579.1	.00549	.000785			
121	16.3	6.5	1.9	.91260	562.5	.00147	.000210			
122	30.8	.0	3.9	.93117	579.5	.00274	.000392			
123	30.8	-6.2	3.6	.92899	595.8	.00527	.000754			
124	30.8	6.5	1.9	.91806	573.8	.00274	.000392			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

3. Equipment Pod; $\alpha = 10^{0}$ - Continued

(b) M = 2.65; R = 2.49 × 10^{6}; $T_t = 720^{0}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{0}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95653	588.8	.00222	.000489			.91
2	2.0	.0		.95929	590.1	.00207	.000456			.93
3	2.0	12.0		.96039	592.1	.00216	.000476			1.08
4	8.0	.0		.95433	587.1	.00213	.000469			.95
5	9.0	.0		.95488	587.5	.00233	.000513	.00231	.000509	1.04
6	10.0	.0		.95268	586.1	.00233	.000513	.00228	.000502	1.04
7	11.0	.0		.95488	587.5	.00233	.000513	.00229	.000505	1.06
8	11.5	.0		.95433	587.1	.00233	.000513	.00230	.000507	1.05
9	12.0	1.0		.95763	589.1	.00215	.000474	.00215	.000474	.96
10	12.0	3.0		.95819	589.5	.00232	.000511	.00233	.000513	1.03
11	12.0	5.0		.95488	589.1	.00218	.000480			1.06
13	14.0	1.0		.96149	595.8	.00270	.000595			1.21
14	14.0	.0		.96094	593.1	.00272	.000599	.00272	.000599	1.23
15	14.0	-1.0		.96149	592.8	.00239	.000527	.00248	.000546	1.06
16	14.0	-2.0		.95708	588.5	.00215	.000474	.00205	.000452	.96
17	13.0	-2.0		.95433	586.8	.00213	.000469			.97
18	12.0	-3.0		.95653	588.1	.00227	.000500			1.00
19	14.0	-3.0		.95598	588.1	.00232	.000511	.00228	.000502	1.01
20	14.0	-4.0		.95323	586.8	.00237	.000522	.00235	.000518	1.03
21	16.0	-4.0		.95874	591.5	.00272	.000599	.00274	.000604	1.22
22	14.0	-6.0		.95323	587.1	.00240	.000529	.00240	.000529	1.03
23	14.0	-8.0		.95378	587.1	.00237	.000522	.00237	.000522	1.02
24	14.0	-12.0		.95433	587.5	.00234	.000516			.96
25	16.0	-8.0		.95213	586.1	.00227	.000500	.00225	.000496	.97
26	18.0	-8.0		.95653	588.8	.00233	.000513	.00234	.000516	1.01
27	16.0	-2.0		.96204	593.1	.00261	.000575	.00258	.000568	1.14
28	18.0	-2.0		.97029	613.8	.00343	.000756			1.50
29	20.0	-3.0		.96699	609.5	.00404	.000890			1.83
30	18.0	-4.0		.96259	593.5	.00248	.000546	.00242	.000533	1.11
31	20.0	-4.0		.96974	602.5	.00350	.000771	.00356	.000784	1.56
32	20.0	-5.0		.96809	598.8	.00300	.000661	.00300	.000661	1.32
33	20.0	-6.0		.96479	595.1	.00265	.000584	.00263	.000579	1.16
34	20.0	-7.0		.96149	592.5	.00246	.000542	.00246	.000542	1.07
35	20.0	-8.0		.95653	591.8	.00257	.000566			
36	20.0	-12.0		.95543	588.5	.00239	.000527			1.02
37	14.0	5.0		.96149	592.5	.00252	.000555			1.13
38	14.0	6.0		.95929	591.1	.00233	.000513			1.04
39	32.0	8.0		.94718	582.5	.00212	.000467			1.00
40	32.0	10.0		.95323	588.5	.00274	.000604	.00266	.000586	1.23
41	32.0	12.0		.95819	589.8	.00228	.000502			1.00
42	50.0	-8.0		.94828	577.8	.00081	.000178			.35
43	50.0	-5.0		.95819	581.8	.00048	.000106			.21
44	50.0	.0		.95378	578.1	.00031	.000068			.14
45	50.0	6.0		.94443	581.5	.00232	.000511			1.06
46	58.0	.0		.94498	579.1	.00166	.000366			.73
47	58.0	6.0		.93948	577.5	.00218	.000480			.99
48	58.0	12.0		.94773	582.5	.00203	.000447			.88
49	32.0	-7.0		.94938	588.5	.00337	.000742			1.36
50	32.0	-8.0		.95048	590.8	.00379	.000835	.00382	.000842	1.61
51	32.0	-10.0		.95323	591.8	.00375	.000826	.00377	.000831	1.56
52	32.0	-12.0		.95268	589.5	.00316	.000696			1.31
55	42.0	-9.0		.95103	590.1	.00329	.000725	.00353	.000778	1.40
56	42.0	-10.0		.95158	590.8	.00354	.000780	.00354	.000780	1.51
57	42.0	-12.0		.95653	592.5	.00316	.000696			1.29
58	58.0	-5.0		.96974	596.1	.00225	.000496			
59	58.0	-8.0		.94608	580.8	.00198	.000436	.00195	.000430	.85
60	58.0	-12.0		.94883	583.1	.00204	.000449			.88
61	14.0	8.0		.95653	590.1	.00217	.000478			.96
62	14.0	12.0		.95653	588.8	.00217	.000478			.98
63	20.0	7.0		.96204	594.8	.00276	.000608			1.33
64	20.0	8.0		.96039	591.5	.00235	.000518			1.14
65	20.0	10.0		.95819	590.1	.00231	.000509			1.12
66	20.0	12.0		.95488	586.8	.00208	.000458			1.01
67	28.0	-7.0		.94993	596.5	.00373	.000822			1.60
69	30.0	8.0		.94608	582.1	.00235	.000518			1.06
101	1.8	.0	.5	.96039	595.8	.00335	.000738			
102	2.8	-2.5	1.3	.95323	600.5	.00432	.000952			
103	9.8	.0	2.6	.95653	595.5	.00380	.000837	.00380	.000837	
104	12.8	-5.8	1.9	.94113	593.5	.00600	.001322			
105	12.8	-3.0	3.4	.95048	595.5	.00495	.001091	.00494	.001088	
106	16.3	-6.5	1.9	.91803	565.5	.00244	.000538			
107	16.3	-3.0	3.9	.93618	576.5	.00239	.000527	.00241	.000531	
108	23.5	.0	3.9	.93838	576.5	.00200	.000441			
109	30.8	-6.5	1.9	.94388	586.5	.00303	.000668			
110	30.8	-3.0	3.9	.94443	582.5	.00247	.000544	.00247	.000544	
111	35.8	4.8	2.0	.97634	592.1	.00630	.000366			
112	35.8	-4.8	2.0	.97304	589.8	.00025	.000055			
113	5.8	.0	1.5	.96094	599.5	.00330	.000727	.00332	.000731	
114	5.8	2.5	1.3	.94938	589.8	.00342	.000754			
115	9.8	-4.7	1.9	.94883	594.1	.00474	.001044			
116	12.8	.0	3.4	.95543	600.8	.00366	.000806	.00370	.000815	
117	12.8	-5.5	3.1	.94003	600.1	.00803	.001769			
118	12.8	5.8	1.9	.93508	588.8	.00332	.000731			
119	16.3	.0	3.9	.94003	577.1	.00199	.000438			
120	16.3	-6.2	3.6	.91142	567.1	.00397	.000875			
121	16.3	6.5	1.9	.92573	565.1	.00089	.000196			
122	30.8	.0	3.9	.94333	579.1	.00198	.000436			
123	30.8	-6.2	3.6	.93838	587.5	.00396	.000872			
124	30.8	6.5	1.9	.93123	571.8	.00201	.000443			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{0}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

3. Equipment Pod; $\alpha = 10^{o}$ - Continued

(c) M = 2.65; R = 1.27×10^{6}; $T_t = 716^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St, c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95970	587.5	.00128	.000550			1.00
2	2.0	.0		.96246	586.5	.00127	.000546			1.00
3	2.0	12.0		.96301	587.8	.00120	.000516			1.08
4	8.0	.0		.95749	583.5	.00128	.000550			1.01
5	9.0	.0		.95805	584.8	.00127	.000546	.00124	.000533	.99
6	10.0	.0		.95584	584.8	.00128	.000550	.00123	.000529	1.01
7	11.0	.0		.95805	583.8	.00117	.000503	.00121	.000520	.91
8	11.5	.0		.95805	584.8	.00133	.000572	.00131	.000563	1.04
9	12.0	1.0		.96136	586.8	.00120	.000516	.00120	.000516	.94
10	12.0	3.0		.96191	586.1	.00118	.000507	.00119	.000511	.98
11	12.0	5.0		.95860	584.1	.00117	.000503			.98
13	14.0	1.0		.96357	588.8	.00149	.000640			1.27
14	14.0	.0		.96412	589.1	.00164	.000705	.00165	.000709	1.29
15	14.0	-1.0		.96467	589.1	.00141	.000606	.00148	.000636	1.10
16	14.0	-2.0		.96136	585.5	.00127	.000546	.00122	.000524	1.00
17	13.0	-2.0		.95805	583.8	.00118	.000507			.98
18	12.0	-3.0		.95970	584.8	.00121	.000520			.95
19	14.0	-3.0		.96025	587.5	.00127	.000546	.00129	.000554	.99
20	14.0	-4.0		.95694	585.8	.00128	.000550	.00126	.000541	1.00
21	16.0	-4.0		.96246	588.1	.00165	.000709	.00168	.000722	1.29
22	14.0	-6.0		.95694	583.5	.00131	.000563	.00131	.000563	1.02
23	14.0	-8.0		.95749	585.8	.00128	.000550	.00128	.000550	1.00
24	14.0	-12.0		.95749	586.1	.00128	.000550			1.00
25	16.0	-8.0		.95639	585.1	.00128	.000550	.00126	.000541	1.00
26	18.0	-8.0		.96191	586.5	.00132	.000567	.00134	.000576	1.09
27	16.0	-2.0		.96357	588.1	.00145	.000623	.00143	.000614	1.13
28	18.0	-2.0		.96909	596.5	.00224	.000963			1.85
29	20.0	-3.0		.96688	594.5	.00244	.001048			1.83
30	18.0	-4.0		.96412	588.5	.00141	.000606	.00136	.000584	1.10
31	20.0	-4.0		.96964	594.1	.00200	.000859	.00204	.000877	1.56
32	20.0	-5.0		.96909	592.5	.00162	.000696	.00162	.000696	1.26
33	20.0	-6.0		.96688	590.1	.00143	.000614	.00141	.000606	1.12
34	20.0	-7.0		.96467	588.5	.00140	.000602	.00141	.000606	1.09
35	20.0	-8.0		.96025	586.1	.00164	.000705			
36	20.0	-12.0		.96136	588.1	.00127	.000546			.99
37	14.0	5.0		.96357	589.5	.00146	.000627			1.22
38	14.0	6.0		.96246	587.5	.00135	.000580			1.19
39	32.0	8.0		.94756	576.8	.00128	.000550			1.07
40	32.0	10.0		.95363	582.1	.00139	.000597	.00141	.000606	1.09
41	32.0	12.0		.95915	585.8	.00133	.000572			1.04
42	50.0	-8.0		.95087	575.5	.00050	.000215			.39
43	50.0	-5.0		.95970	579.8	.00026	.000112			.20
44	50.0	.0		.95694	577.8	.00018	.000077			.15
45	50.0	6.0		.94811	578.1	.00136	.000584			1.13
46	58.0	.0		.95363	580.5	.00096	.000413			.79
47	58.0	6.0		.94370	574.5	.00129	.000554			1.01
48	58.0	12.0		.95198	579.8	.00128	.000550			.96
49	32.0	-7.0		.95639	585.5	.00186	.000799			1.42
50	32.0	-8.0		.95694	587.1	.00217	.000932	.00219	.000941	1.60
51	32.0	-10.0		.95970	588.1	.00205	.000881	.00206	.000885	1.51
52	32.0	-12.0		.95915	586.8	.00171	.000735			1.26
55	42.0	-9.0		.95805	586.5	.00185	.000795	.00192	.000825	1.38
56	42.0	-10.0		.95694	586.8	.00225	.000967	.00224	.000963	1.68
57	42.0	-12.0		.96191	588.5	.00177	.000761			1.32
58	58.0	-5.0		.96853	592.1	.00126	.000541			
59	58.0	-8.0		.95749	582.8	.00111	.000477	.00109	.000468	.87
60	58.0	-12.0		.95749	583.1	.00113	.000486			.88
61	14.0	8.0		.95970	587.1	.00128	.000550			1.06
62	14.0	12.0		.95915	586.8	.00128	.000550			1.00
63	20.0	7.0		.96191	587.8	.00165	.000709			1.46
64	20.0	8.0		.96191	586.5	.00130	.000559			1.15
65	20.0	10.0		.96081	586.1	.00146	.000627			1.15
66	20.0	12.0		.95915	584.5	.00117	.000503			.98
67	28.0	-7.0		.95087	582.1	.00180	.000773			1.41
69	30.0	8.0		.94646	576.5	.00109	.000468			.86
101	1.8	.0	.5	.96246	589.8	.00175	.000752			
102	2.8	-2.5	1.3	.95584	589.8	.00273	.001173			
103	9.8	.0	2.6	.96136	593.1	.00199	.000855	.00199	.000855	
104	12.8	-5.8	1.9	.94756	589.1	.00334	.001435			
105	12.8	-3.0	3.4	.95639	589.8	.00253	.001087	.00253	.001087	
106	16.3	-6.5	1.9	.92438	562.5	.00104	.000447			
107	16.3	-3.0	3.9	.94204	574.5	.00091	.000391	.00093	.000400	
108	23.5	.0	3.9	.94811	577.1	.00104	.000447			
109	30.8	-6.5	1.9	.95418	583.5	.00167	.000718			
110	30.8	-3.0	3.9	.95529	583.8	.00134	.000576	.00135	.000580	
111	35.8	4.8	2.0	.97847	591.1	.00023	.000099			
113	5.8	.0	1.5	.96357	592.5	.00187	.000804	.00189	.000812	
114	5.8	2.5	1.3	.95363	586.1	.00189	.000812			
115	9.8	-4.7	1.9	.95529	590.5	.00245	.001053			
116	12.8	.0	3.4	.96025	591.5	.00214	.000920	.00217	.000932	
117	12.8	-5.5	3.1	.94480	592.8	.00424	.001822			
118	12.8	5.8	1.9	.94259	578.5	.00211	.000907			
119	16.3	.0	3.9	.94425	573.5	.00081	.000348			
120	16.3	-6.2	3.6	.91775	563.5	.00182	.000782			
121	16.3	6.5	1.9	.93542	565.8	.00036	.000155			
122	30.8	.0	3.9	.95418	581.1	.00108	.000464			
123	30.8	-6.2	3.6	.94866	582.5	.00228	.000980			
124	30.8	6.5	1.9	.94314	576.1	.00095	.000408			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in $Btu/ft^2\text{-}sec\text{-}^{o}R$.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

3. Equipment Pod; $\alpha = 10^{o}$ - Continued

(d) M = 3.51; R = 3.98×10^{6}; $T_t = 712^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St, c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94571	570.8	.00186	.000362			1.07
2	2.0	.0		.94906	574.5	.00170	.000331			.99
3	2.0	12.0		.94962	574.1	.00189	.000368			.96
4	8.0	.0		.94347	569.8	.00173	.000337			.98
5	9.0	.0		.94347	569.8	.00187	.000364	.00189	.000368	.98
6	10.0	.0		.94235	568.8	.00169	.000329	.00166	.000323	.88
7	11.0	.0		.94291	569.5	.00173	.000337	.00174	.000339	.91
8	11.5	.0		.94291	569.5	.00173	.000337	.00171	.000333	.91
9	12.0	1.0		.94571	571.1	.00186	.000362	.00186	.000362	.99
10	12.0	3.0		.94627	571.8	.00177	.000344	.00178	.000346	.92
11	12.0	5.0		.94347	570.1	.00184	.000358			.93
13	14.0	1.0		.94906	577.5	.00220	.000428			1.15
14	14.0	.0		.94795	575.8	.00208	.000405	.00209	.000407	1.09
15	14.0	-1.0		.94739	572.1	.00175	.000341	.00177	.000344	1.00
16	14.0	-2.0		.94291	569.1	.00165	.000321	.00156	.000304	.94
17	13.0	-2.0		.94235	568.8	.00187	.000364			.98
18	12.0	-3.0		.94403	570.1	.00187	.000364			.98
19	14.0	-3.0		.94291	569.1	.00168	.000327	.00170	.000331	.94
20	14.0	-4.0		.94123	568.1	.00169	.000329	.00167	.000325	.95
21	16.0	-4.0		.94515	570.5	.00186	.000362	.00185	.000360	1.06
22	14.0	-6.0		.94179	568.5	.00171	.000333	.00171	.000333	.97
23	14.0	-8.0		.94179	568.5	.00169	.000329	.00169	.000329	.88
24	14.0	-12.0		.94235	568.8	.00183	.000356			.96
25	16.0	-8.0		.94011	567.5	.00187	.000364	.00186	.000362	.98
26	18.0	-8.0		.94179	568.5	.00168	.000327	.00167	.000325	.97
27	16.0	-2.0		.94795	574.1	.00209	.000407	.00206	.000401	1.16
28	18.0	-2.0		.95690	584.1	.00316	.000615			1.65
29	20.0	-3.0		.95074	588.5	.00347	.000675			1.81
30	18.0	-4.0		.94795	573.8	.00221	.000430	.00217	.000422	1.28
31	20.0	-4.0		.95578	582.5	.00290	.000564	.00297	.000578	1.52
32	20.0	-5.0		.95354	578.8	.00235	.000457	.00236	.000459	1.35
33	20.0	-6.0		.94850	574.5	.00202	.000393	.00198	.000385	1.17
34	20.0	-7.0		.94683	572.5	.00198	.000385	.00196	.000381	1.13
35	20.0	-8.0		.94403	573.5	.00208	.000405			
36	20.0	-12.0		.94235	569.1	.00190	.000370			.99
37	14.0	5.0		.94850	576.8	.00209	.000407			1.06
38	14.0	6.0		.94571	571.8	.00181	.000352			.91
39	32.0	8.0		.93619	566.5	.00197	.000383			.94
40	32.0	10.0		.94347	574.1	.00266	.000518	.00270	.000525	1.29
41	32.0	12.0		.94850	574.5	.00215	.000418			1.00
42	50.0	-8.0		.93060	556.8	.00061	.000119			.35
43	50.0	-5.0		.95074	566.8	.00027	.000053			.14
45	50.0	6.0		.93507	565.5	.00197	.000383			.99
46	58.0	.0		.93787	564.1	.00130	.000253			.71
47	58.0	6.0		.93171	563.1	.00187	.000364			.94
48	58.0	12.0		.93507	566.1	.00173	.000337			.76
49	32.0	-7.0		.93339	567.8	.00266	.000518			1.42
50	32.0	-8.0		.93339	569.8	.00309	.000601	.00310	.000603	1.74
51	32.0	-10.0		.93899	572.5	.00298	.000580	.00300	.000584	1.60
52	32.0	-12.0		.93899	570.5	.00258	.000502			1.34
55	42.0	-9.0		.93563	573.1	.00303	.000590	.00310	.000603	1.68
56	42.0	-10.0		.93619	571.1	.00322	.000627	.00321	.000625	1.72
57	42.0	-12.0		.94347	574.1	.00267	.000520			1.48
58	58.0	-5.0		.94235	567.8	.00153	.000298			
59	58.0	-8.0		.92612	559.1	.00190	.000370	.00188	.000366	.99
60	58.0	-12.0		.93507	563.8	.00160	.000311			.84
61	14.0	8.0		.94347	570.8	.00191	.000372			.91
62	14.0	12.0		.94403	571.1	.00200	.000389			.95
63	20.0	7.0		.95074	578.1	.00261	.000508			1.32
64	20.0	8.0		.94850	576.1	.00207	.000403			1.03
65	20.0	10.0		.94515	572.1	.00199	.000387			.99
66	20.0	12.0		.94235	570.1	.00194	.000378			.95
67	28.0	-7.0		.93339	570.8	.00332	.000646			1.92
69	30.0	8.0		.93563	567.1	.00211	.000411			1.03
101	1.8	.0	.5	.94179	575.1	.00304	.000592			
102	2.8	-2.5	1.3	.92892	573.5	.00422	.000821			
103	9.8	.0	2.6	.93395	573.1	.00369	.000718	.00369	.000718	
104	12.8	-5.8	1.9	.90877	565.5	.00570	.001109			
105	12.8	-3.0	3.4	.92556	572.1	.00463	.000901	.00462	.000899	
106	16.3	-6.5	1.9	.88358	534.5	.00183	.000356			
107	16.3	-3.0	3.9	.91492	554.1	.00213	.000415	.00217	.000422	
108	23.5	.0	3.9	.91828	555.8	.00164	.000319			
109	30.8	-6.5	1.9	.91884	558.8	.00270	.000525			
110	30.8	-3.0	3.9	.91996	556.8	.00197	.000383	.00196	.000381	
111	35.8	4.8	2.0	.96530	574.8	.00019	.000037			
112	35.8	-4.8	2.0	.96250	573.1	.00019	.000037			
113	5.8	.0	1.5	.94123	580.5	.00290	.000564	.00293	.000570	
114	5.8	2.5	1.3	.92836	573.8	.00307	.000597			
115	9.8	-4.7	1.9	.91996	566.8	.00421	.000819			
116	12.8	.0	3.4	.93171	575.5	.00357	.000714	.00370	.000720	
117	12.8	-5.5	3.1	.90989	575.5	.00826	.001608			
118	12.8	5.8	1.9	.91492	564.1	.00370	.000720			
119	16.3	.0	3.9	.91716	555.5	.00177	.000344			
120	16.3	-6.2	3.6	.87463	535.1	.00350	.000681			
121	16.3	6.5	1.9	.90877	543.8	.00084	.000163			
122	30.8	.0	3.9	.92332	556.5	.00154	.000300			
123	30.8	-6.2	3.6	.91716	564.8	.00354	.000689			
124	30.8	6.5	1.9	.91548	554.8	.00151	.000294			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

3. Equipment Pod; $\alpha = 10^{o}$ - Continued

(e) M = 3.51; $R = 2.77 \times 10^{6}$; $T_t = 709^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94809	571.8	.00130	.000363			1.00
2	2.0	.0		.95200	574.1	.00129	.000360			1.04
3	2.0	12.0		.95256	576.1	.00138	.000385			1.01
4	8.0	.0		.94642	570.5	.00137	.000383			1.05
5	9.0	.0		.94642	570.8	.00132	.000369	.00134	.000374	.99
6	10.0	.0		.94530	569.8	.00135	.000377	.00132	.000369	1.01
7	11.0	.0		.94586	570.5	.00130	.000363	.00131	.000366	.98
8	11.5	.0		.94586	570.5	.00130	.000363	.00128	.000357	.94
9	12.0	1.0		.94865	572.1	.00134	.000374	.00134	.000374	.86
10	12.0	3.0		.94921	573.8	.00138	.000385	.00139	.000388	.89
11	12.0	5.0		.94642	571.1	.00138	.000385			.89
13	14.0	1.0		.95144	575.8	.00173	.000483			1.28
14	14.0	.0		.95088	575.1	.00161	.000450	.00162	.000452	1.27
15	14.0	-1.0		.95144	573.5	.00133	.000371	.00136	.000380	.99
16	14.0	-2.0		.94697	570.5	.00123	.000343	.00114	.000318	.94
17	13.0	-2.0		.94586	570.1	.00130	.000363			.99
18	12.0	-3.0		.94753	571.1	.00130	.000363			.99
19	14.0	-3.0		.94697	570.8	.00131	.000366	.00135	.000377	1.04
20	14.0	-4.0		.94418	569.5	.00130	.000363	.00128	.000357	1.00
21	16.0	-4.0		.94921	571.8	.00127	.000355	.00127	.000355	.98
22	14.0	-6.0		.94474	569.5	.00128	.000357	.00128	.000357	.98
23	14.0	-8.0		.94530	569.8	.00130	.000363	.00130	.000363	1.04
24	14.0	-12.0		.94530	569.8	.00131	.000366			.98
25	16.0	-8.0		.94363	568.8	.00129	.000360	.00128	.000357	1.00
26	18.0	-8.0		.94586	570.1	.00128	.000357	.00127	.000355	.97
27	16.0	-2.0		.95088	574.5	.00155	.000433	.00153	.000427	1.17
28	18.0	-2.0		.95702	581.8	.00229	.000639			1.72
29	20.0	-3.0		.95256	582.8	.00267	.000746			2.02
30	18.0	-4.0		.95088	574.1	.00158	.000441	.00154	.000430	1.27
31	20.0	-4.0		.95702	581.1	.00223	.000623	.00228	.000637	1.70
32	20.0	-5.0		.95590	578.8	.00187	.000522	.00190	.000531	1.50
33	20.0	-6.0		.95200	579.1	.00155	.000433	.00144	.000402	1.22
34	20.0	-7.0		.94976	573.8	.00144	.000402	.00143	.000399	1.12
35	20.0	-8.0		.94753	574.1	.00164	.000458			
36	20.0	-12.0		.94530	570.1	.00132	.000369			1.02
37	14.0	5.0		.95144	577.1	.00164	.000458			1.06
38	14.0	6.0		.94921	572.8	.00140	.000391			.90
39	32.0	8.0		.93804	566.5	.00157	.000438			1.05
40	32.0	10.0		.94530	573.5	.00203	.000567	.00206	.000575	1.32
41	32.0	12.0		.95088	574.5	.00160	.000447			1.06
42	50.0	-8.0		.93581	559.8	.00036	.000101			.27
43	50.0	-5.0		.95758	571.1	.00020	.000056			.15
45	50.0	6.0		.93804	566.5	.00157	.000438			1.01
46	58.0	.0		.94530	568.5	.00096	.000268			.70
47	58.0	6.0		.93581	564.5	.00138	.000385			.89
48	58.0	12.0		.93916	566.1	.00129	.000360			.87
49	32.0	-7.0		.93860	569.1	.00180	.000503			1.35
50	32.0	-8.0		.93860	570.8	.00238	.000665	.00239	.000667	1.75
51	32.0	-10.0		.94418	573.1	.00213	.000595	.00215	.000600	1.64
52	32.0	-12.0		.94418	572.1	.00185	.000517			1.34
55	42.0	-9.0		.94083	573.1	.00217	.000606	.00220	.000614	1.58
56	42.0	-10.0		.94028	571.8	.00237	.000662	.00236	.000659	1.78
57	42.0	-12.0		.94697	574.1	.00198	.000553			1.48
58	58.0	-5.0		.94753	570.1	.00119	.000332			
59	58.0	-8.0		.93470	563.5	.00137	.000383	.00135	.000377	1.06
60	58.0	-12.0		.94139	566.8	.00120	.000335			.90
61	14.0	8.0		.94642	571.8	.00156	.000436			.99
62	14.0	12.0		.94697	572.1	.00145	.000405			.99
63	20.0	7.0		.95200	577.1	.00185	.000517			1.19
64	20.0	8.0		.95088	574.8	.00162	.000452			1.05
65	20.0	10.0		.94809	573.1	.00149	.000416			.96
66	20.0	12.0		.94586	570.8	.00141	.000394			.91
67	28.0	-7.0		.93581	569.5	.00254	.000709			1.92
69	30.0	8.0		.93693	566.5	.00155	.000433			1.06
101	1.8	.0	.5	.94418	576.1	.00230	.000642			
102	2.8	-2.5	1.3	.93191	571.5	.00321	.000896			
103	9.8	.0	2.6	.93916	575.1	.00272	.000760	.00272	.000760	
104	12.8	-5.8	1.9	.91516	564.1	.00433	.001209			
105	12.8	-3.0	3.4	.93079	571.1	.00342	.000955	.00342	.000955	
106	16.3	-6.5	1.9	.89428	537.1	.00114	.000318			
107	16.3	-3.0	3.9	.92186	555.8	.00129	.000360	.00133	.000371	
108	23.5	.0	3.9	.92856	559.1	.00113	.000316			
109	30.8	-6.5	1.9	.92800	562.1	.00197	.000550			
110	30.8	-3.0	3.9	.93023	561.1	.00135	.000377	.00134	.000374	
113	5.8	.0	1.5	.94418	579.1	.00232	.000648	.00235	.000656	
114	5.8	2.5	1.3	.93246	568.8	.00258	.000720			
115	9.8	-4.7	1.9	.92632	567.1	.00319	.000891			
116	12.8	.0	3.4	.93693	574.5	.00274	.000765	.00277	.000774	
117	12.8	-5.5	3.1	.91349	571.1	.00619	.001729			
118	12.8	5.8	1.9	.92186	562.8	.00277	.000774			
119	16.3	.0	3.9	.92521	556.5	.00122	.000341			
120	16.3	-6.2	3.6	.88477	539.5	.00202	.000564			
121	16.3	6.5	1.9	.91963	549.8	.00052	.000145			
122	30.8	.0	3.9	.93414	562.8	.00104	.000290			
123	30.8	-6.2	3.6	.92521	563.8	.00276	.000771			
124	30.8	6.5	1.9	.92688	559.8	.00106	.000296			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in $Btu/ft^2\text{-}sec\text{-}^{o}R$.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

3. Equipment Pod; $\alpha = 10^{0}$ - Continued

(f) M = 3.51; R = 1.61×10^{6}; $T_t = 706^{0}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{0}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95083	570.8	.00079	.000382			.90
2	2.0	.0		.95474	573.8	.00082	.000397			.94
3	2.0	12.0		.95585	574.1	.00081	.000392			.93
4	8.0	.0		.94915	569.8	.00079	.000382			1.01
5	9.0	.0		.94915	569.8	.00088	.000426	.00090	.000435	1.00
6	10.0	.0		.94803	569.1	.00079	.000382	.00077	.000372	.90
7	11.0	.0		.94915	569.5	.00077	.000372	.00078	.000377	1.01
8	11.5	.0		.94915	569.8	.00079	.000382	.00078	.000377	.98
9	12.0	1.0		.95250	571.8	.00079	.000382	.00079	.000382	.90
10	12.0	3.0		.95362	572.5	.00079	.000382	.00080	.000387	.90
11	12.0	5.0		.95083	572.5	.00088	.000426			1.06
13	14.0	1.0		.95362	574.5	.00126	.000609			1.45
14	14.0	.0		.95362	573.8	.00101	.000488	.00102	.000493	1.16
15	14.0	-1.0		.95474	574.5	.00088	.000426	.00092	.000445	1.09
16	14.0	-2.0		.95027	570.1	.00071	.000343	.00064	.000309	.93
17	13.0	-2.0		.94859	569.5	.00088	.000426			1.16
18	12.0	-3.0		.95027	570.1	.00076	.000368			.97
19	14.0	-3.0		.95027	570.1	.00088	.000426	.00090	.000435	1.13
20	14.0	-4.0		.94747	568.8	.00088	.000426	.00086	.000416	1.01
21	16.0	-4.0		.95250	571.5	.00076	.000368	.00077	.000372	.87
22	14.0	-6.0		.94803	568.8	.00077	.000372	.00077	.000372	.99
23	14.0	-8.0		.94859	569.1	.00088	.000426	.00088	.000426	1.17
24	14.0	-12.0		.94747	568.8	.00088	.000426			1.01
25	16.0	-8.0		.94691	568.1	.00079	.000382	.00077	.000372	1.00
26	18.0	-8.0		.95027	569.8	.00075	.000363	.00075	.000363	.86
27	16.0	-2.0		.95194	572.8	.00105	.000508	.00105	.000508	1.19
28	18.0	-2.0		.95530	576.8	.00140	.000677			1.59
29	20.0	-3.0		.95194	577.1	.00171	.000827			1.97
30	18.0	-4.0		.95194	572.1	.00101	.000488	.00098	.000474	1.28
31	20.0	-4.0		.95474	575.8	.00137	.000662	.00140	.000677	1.69
32	20.0	-5.0		.95530	574.8	.00107	.000517	.00108	.000522	1.23
33	20.0	-6.0		.95306	573.1	.00101	.000488	.00099	.000479	1.16
34	20.0	-7.0		.95306	575.1	.00093	.000450	.00094	.000455	1.19
35	20.0	-8.0		.95083	571.8	.00099	.000479			
36	20.0	-12.0		.94915	571.1	.00088	.000426			1.01
37	14.0	5.0		.95474	576.1	.00099	.000479			1.14
38	14.0	6.0		.95362	574.1	.00088	.000426			1.00
39	32.0	8.0		.93909	565.1	.00089	.000430			.95
40	32.0	10.0		.94691	571.5	.00117	.000566	.00122	.000590	1.17
41	32.0	12.0		.95306	575.1	.00093	.000450			1.01
45	50.0	6.0		.94245	568.8	.00094	.000455			1.07
46	58.0	.0		.95027	569.1	.00060	.000290			.76
47	58.0	6.0		.94021	566.1	.00089	.000430			1.02
48	58.0	12.0		.94412	567.1	.00083	.000401			.90
49	32.0	-7.0		.94468	568.8	.00107	.000517			1.37
50	32.0	-8.0		.94412	569.8	.00145	.000701	.00145	.000701	1.67
51	32.0	-10.0		.94915	572.5	.00136	.000658	.00137	.000662	1.68
52	32.0	-12.0		.95083	572.1	.00109	.000527			1.24
55	42.0	-9.0		.94747	572.5	.00133	.000643	.00135	.000653	1.53
56	42.0	-10.0		.94636	571.1	.00141	.000682	.00139	.000672	1.78
57	42.0	-12.0		.95194	575.5	.00126	.000609			1.43
58	58.0	-5.0		.95250	571.1	.00070	.000338			
59	58.0	-8.0		.94356	568.5	.00089	.000430	.00088	.000426	1.17
60	58.0	-12.0		.94859	568.5	.00070	.000338			.86
61	14.0	8.0		.95027	573.5	.00093	.000450			1.00
62	14.0	12.0		.95027	573.5	.00093	.000450			.97
63	20.0	7.0		.95194	575.1	.00108	.000522			1.17
64	20.0	8.0		.95250	572.8	.00102	.000493			1.17
65	20.0	10.0		.95138	572.1	.00101	.000488			1.10
66	20.0	12.0		.94915	571.8	.00089	.000430			1.01
67	28.0	-7.0		.93686	565.1	.00139	.000672			1.78
69	30.0	8.0		.93965	567.1	.00094	.000455			.99
101	1.8	.0	.5	.94691	571.8	.00146	.000706			
102	2.8	-2.5	1.3	.93295	568.1	.00192	.000928			
103	9.8	.0	2.6	.94189	569.8	.00166	.000803	.00166	.000803	
104	12.8	-5.8	1.9	.92010	560.5	.00275	.001330			
105	12.8	-3.0	3.4	.93462	570.8	.00203	.000982	.00204	.000986	
106	16.3	-6.5	1.9	.89993	538.8	.00066	.000319			
107	16.3	-3.0	3.9	.92457	554.1	.00070	.000338	.00074	.000358	
108	23.5	.0	3.9	.93518	560.5	.00070	.000338			
109	30.8	-6.5	1.9	.93742	564.1	.00127	.000614			
110	30.8	-3.0	3.9	.93965	565.5	.00089	.000430	.00089	.000430	
113	5.8	.0	1.5	.94636	571.8	.00139	.000672	.00142	.000687	
114	5.8	2.5	1.3	.93630	567.1	.00149	.000720			
115	9.8	-4.7	1.9	.93127	565.8	.00190	.000919			
116	12.8	.0	3.4	.93965	570.5	.00175	.000846	.00177	.000856	
117	12.8	-5.5	3.1	.91618	566.5	.00365	.001765			
118	12.8	5.8	1.9	.92848	563.5	.00177	.000856			
119	16.3	.0	3.9	.92736	555.1	.00063	.000305			
120	16.3	-6.2	3.6	.88818	534.5	.00112	.000542			
121	16.3	6.5	1.9	.92680	553.1	.00033	.000160			
122	30.8	.0	3.9	.94133	564.1	.00064	.000309			
123	30.8	-6.2	3.6	.93295	563.8	.00167	.000808			
124	30.8	6.5	1.9	.93798	562.1	.00066	.000319			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{0}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

3. Equipment Pod; $\alpha = 10^{o}$ - Continued

(g) $M = 4.44$; $R = 4.43 \times 10^{6}$; $T_t = 692^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St, c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.92632	573.5	.00077	.000196			1.05
2	2.0	.0		.92907	575.8	.00087	.000221			1.13
3	2.0	12.0		.92797	575.5	.00112	.000285			.84
4	8.0	.0		.92522	572.8	.00085	.000216			.80
5	9.0	.0		.92522	572.8	.00085	.000216	.00084	.000214	.80
6	10.0	.0		.92632	573.5	.00085	.000216	.00083	.000211	1.09
7	11.0	.0		.92467	572.5	.00105	.000267	.00094	.000239	.99
8	11.5	.0		.92577	573.5	.00087	.000221	.00087	.000221	.82
9	12.0	1.0		.92742	574.1	.00085	.000216	.00084	.000214	.80
10	12.0	3.0		.92962	577.1	.00104	.000265			.93
13	14.0	1.0		.93072	580.5	.00128	.000326			1.64
14	14.0	.0		.93072	576.8	.00107	.000272	.00110	.000280	1.02
15	14.0	-1.0		.92907	574.8	.00104	.000265	.00106	.000270	1.21
16	14.0	-2.0		.92522	572.1	.00084	.000214	.00070	.000178	.91
17	13.0	-2.0		.92467	572.1	.00083	.000211			.98
18	12.0	-3.0		.92742	574.8	.00091	.000232			1.07
19	14.0	-3.0		.92687	573.1	.00082	.000209	.00085	.000216	.96
20	14.0	-4.0		.92412	572.1	.00087	.000221	.00084	.000214	1.00
21	16.0	-4.0		.92797	574.1	.00086	.000219	.00085	.000216	.85
22	14.0	-6.0		.92522	572.1	.00076	.000193	.00075	.000191	.88
23	14.0	-8.0		.92797	573.5	.00076	.000193	.00076	.000193	.96
24	14.0	-12.0		.92742	572.8	.00078	.000198			.94
25	16.0	-8.0		.92522	571.8	.00075	.000191	.00073	.000186	.95
26	18.0	-8.0		.92742	574.1	.00077	.000196	.00077	.000196	1.08
27	16.0	-2.0		.92907	580.8	.00134	.000341	.00128	.000326	1.58
28	18.0	-2.0		.93237	586.1	.00186	.000473			2.16
29	20.0	-3.0		.92797	580.1	.00172	.000438			
30	18.0	-4.0		.92962	578.8	.00126	.000321	.00122	.000310	1.48
31	20.0	-4.0		.93457	581.8	.00168	.000428	.00175	.000445	1.95
32	20.0	-5.0		.93457	580.5	.00145	.000369	.00152	.000387	1.88
33	20.0	-6.0		.93072	577.1	.00118	.000300	.00105	.000267	1.46
34	20.0	-7.0		.93127	578.1	.00117	.000298	.00119	.000303	1.58
35	20.0	-8.0		.92907	575.1	.00078	.000198			
36	20.0	-12.0		.92852	573.5	.00075	.000191			.89
37	14.0	5.0		.93072	577.5	.00108	.000275			1.00
38	14.0	6.0		.92962	575.8	.00104	.000265			.95
39	32.0	8.0		.91477	569.1	.00121	.000308			1.07
40	32.0	10.0		.92907	578.8	.00162	.000412	.00172	.000438	1.22
41	32.0	12.0		.92962	578.5	.00132	.000336			.99
45	50.0	6.0		.92027	572.1	.00105	.000267			.94
46	58.0	.0		.92137	570.5	.00077	.000196			.72
47	58.0	6.0		.91807	568.8	.00112	.000285			.91
48	58.0	12.0		.91807	569.8	.00105	.000267			.70
49	32.0	-7.0		.91697	571.8	.00136	.000346			1.48
50	32.0	-8.0		.91807	575.8	.00179	.000456	.00192	.000489	2.32
51	32.0	-10.0		.92357	574.8	.00138	.000351	.00140	.000356	1.60
52	32.0	-12.0		.92577	575.5	.00126	.000321			1.59
55	42.0	-9.0		.92247	573.8	.00138	.000351	.00137	.000349	1.75
56	42.0	-10.0		.92247	574.5	.00176	.000448	.00174	.000443	2.07
57	42.0	-12.0		.92962	577.8	.00154	.000392			1.83
58	58.0	-5.0		.91532	564.8	.00068	.000173			
59	58.0	-8.0		.91092	565.5	.00106	.000270	.00104	.000265	1.31
60	58.0	-12.0		.92412	571.1	.00076	.000193			1.04
61	14.0	8.0		.92632	574.1	.00111	.000282			.90
62	14.0	12.0		.92302	574.5	.00133	.000338			1.07
63	20.0	7.0		.93237	579.8	.00147	.000374			1.28
64	20.0	8.0		.93127	580.5	.00127	.000323			1.04
65	20.0	10.0		.92687	575.5	.00124	.000316			1.01
66	20.0	12.0		.92302	573.5	.00126	.000321			1.02
67	28.0	-7.0		.91697	574.8	.00199	.000506			2.62
69	30.0	8.0		.91422	568.1	.00147	.000374			1.20
101	1.8	.0	.5	.92027	576.1	.00168	.000428			
102	2.8	-2.5	1.3	.90597	574.1	.00246	.000626			
103	9.8	.0	2.6	.91532	575.8	.00219	.000557	.00219	.000557	
104	12.8	-5.8	1.9	.88991	564.5	.00304	.000774			
105	12.8	-3.0	3.4	.90927	574.5	.00258	.000657	.00259	.000659	
106	16.3	-6.5	1.9	.86679	535.1	.00080	.000204			
107	16.3	-3.0	3.9	.90377	559.5	.00089	.000226	.00098	.000249	
108	23.5	.0	3.9	.91147	563.8	.00087	.000221			
109	30.8	-6.5	1.9	.91257	569.5	.00135	.000344			
110	30.8	-3.0	3.9	.91367	566.8	.00105	.000267	.00103	.000262	
113	5.8	.0	1.5	.91862	577.8	.00194	.000494	.00200	.000509	
114	5.8	2.5	1.3	.90542	566.5	.00182	.000463			
115	9.8	-4.7	1.9	.89982	563.8	.00211	.000537			
116	12.8	.0	3.4	.91422	573.1	.00209	.000532	.00213	.000542	
117	12.8	-5.5	3.1	.89046	574.5	.00437	.001112			
118	12.8	5.8	1.9	.89016	563.8	.00205	.000522			
119	16.3	.0	4.9	.90432	559.1	.00078	.000198			
120	16.3	-6.2	3.6	.85633	533.1	.00137	.000349			
122	30.8	.0	3.9	.91972	568.5	.00076	.000193			
123	30.8	-6.2	3.6	.91257	568.5	.00141	.000359			
124	30.8	6.5	1.9	.91147	561.8	.00057	.000145			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in $Btu/ft^2\text{-}sec\text{-}^{o}R$.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

3. Equipment Pod; $\alpha = 10^{o}$ - Continued

(h) M = 4.44; R = 3.12×10^{6}; $T_t = 690^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.93807	567.5	.00077	.000278			1.26
2	2.0	.0		.94194	570.5	.00068	.000246			.89
3	2.0	12.0		.93973	569.8	.00107	.000387			1.27
4	8.0	.0		.93863	568.1	.00068	.000246			.91
5	9.0	.0		.93918	569.1	.00077	.000278	.00079	.000285	1.07
6	10.0	.0		.93807	568.5	.00077	.000278	.00074	.000267	1.08
7	11.0	.0		.93918	568.8	.00077	.000278	.00078	.000282	1.08
8	11.5	.0		.93918	568.1	.00077	.000278	.00076	.000275	1.05
9	12.0	1.0		.94139	570.5	.00077	.000278	.00077	.000278	.94
10	12.0	3.0		.94360	571.8	.00077	.000278	.00079	.000285	.86
11	12.0	5.0		.94139	570.1	.00087	.000314			.97
13	14.0	1.0		.94305	572.1	.00132	.000477			1.81
14	14.0	.0		.94305	571.8	.00087	.000314	.00086	.000311	1.19
15	14.0	-1.0		.94305	571.5	.00077	.000278	.00082	.000296	.91
16	14.0	-2.0		.93973	568.1	.00077	.000278	.00066	.000238	1.01
17	13.0	-2.0		.93863	567.8	.00067	.000242			.93
18	12.0	-3.0		.94029	568.5	.00064	.000231			.91
19	14.0	-3.0		.93918	568.5	.00068	.000246	.00072	.000260	.97
20	14.0	-4.0		.93807	567.1	.00077	.000278	.00075	.000271	1.08
21	16.0	-4.0		.94139	569.1	.00077	.000278	.00078	.000282	1.10
22	14.0	-6.0		.93807	568.1	.00077	.000278	.00077	.000278	1.20
23	14.0	-8.0		.93863	567.5	.00077	.000278	.00077	.000278	1.33
24	14.0	-12.0		.93863	567.1	.00054	.000195			.81
25	16.0	-8.0		.93697	566.5	.00077	.000278	.00076	.000275	1.12
26	18.0	-8.0		.93918	567.5	.00055	.000199	.00054	.000195	.82
27	16.0	-2.0		.94084	570.5	.00104	.000376	.00104	.000376	1.46
28	18.0	-2.0		.94139	572.8	.00153	.000553			2.15
29	20.0	-3.0		.93697	571.1	.00194	.000701			2.73
30	18.0	-4.0		.94029	569.8	.00104	.000376	.00101	.000365	1.51
31	20.0	-4.0		.94250	573.5	.00126	.000455	.00130	.000470	1.56
32	20.0	-5.0		.94416	572.8	.00132	.000477	.00138	.000499	2.16
33	20.0	-6.0		.94194	570.8	.00098	.000354	.00093	.000336	1.61
34	20.0	-7.0		.94194	570.5	.00105	.000379	.00106	.000383	1.52
35	20.0	-8.0		.94139	570.8	.00077	.000278			
36	20.0	-12.0		.93973	567.8	.00055	.000199			.72
37	14.0	1.0		.94416	573.5	.00092	.000332			1.08
38	14.0	6.0		.94305	571.8	.00077	.000278			.86
39	32.0	8.0		.92646	562.5	.00093	.000336			.93
40	32.0	10.0		.93918	572.1	.00133	.000481	.00140	.000506	1.28
41	32.0	12.0		.94305	571.5	.00104	.000376			.88
45	50.0	6.0		.93365	565.5	.00099	.000358			1.24
46	58.0	.0		.93807	567.1	.00061	.000220			.72
47	58.0	6.0		.93255	565.5	.00078	.000282			.79
48	58.0	12.0		.93144	564.5	.00078	.000282			.72
49	32.0	-7.0		.92923	564.1	.00107	.000387			1.55
50	32.0	-8.0		.93033	565.8	.00164	.000593	.00165	.000596	2.65
51	32.0	-10.0		.93642	570.1	.00133	.000481	.00134	.000484	1.93
52	32.0	-12.0		.94029	569.8	.00104	.000376			1.37
55	42.0	-9.0		.93531	567.8	.00113	.000408	.00110	.000397	1.49
56	42.0	-10.0		.93476	569.8	.00134	.000484	.00131	.000473	2.35
57	42.0	-12.0		.94194	572.1	.00124	.000448			2.03
58	58.0	-5.0		.93033	562.1	.00077	.000278			
59	58.0	-8.0		.92702	562.1	.00078	.000282	.00076	.000275	1.16
60	58.0	-12.0		.93863	567.1	.00076	.000275			1.00
61	14.0	8.0		.93973	569.8	.00087	.000314			.96
62	14.0	12.0		.93586	568.5	.00092	.000332			.89
63	20.0	7.0		.94084	571.1	.00114	.000412			1.34
64	20.0	8.0		.94194	571.1	.00104	.000376			1.16
65	20.0	10.0		.93918	570.1	.00092	.000332			1.01
66	20.0	12.0		.93586	566.8	.00106	.000383			1.23
67	28.0	-7.0		.92370	563.8	.00138	.000499			2.19
69	30.0	8.0		.92536	563.8	.00117	.000423			1.30
101	1.8	.0	.5	.93089	566.8	.00155	.000560			
102	2.8	-2.5	1.3	.91375	559.5	.00216	.000781			
103	9.8	.0	2.6	.92591	566.8	.00182	.000658	.00182	.000658	
104	12.8	-5.8	1.9	.89987	551.8	.00301	.001088			
105	12.8	-3.0	3.4	.91872	562.5	.00262	.000947	.00265	.000958	
106	16.3	-6.5	1.9	.87996	530.8	.00057	.000206			
107	16.3	-3.0	3.9	.91264	552.1	.00079	.000285	.00079	.000285	
108	23.5	.0	3.9	.92425	558.5	.00062	.000224			
109	30.8	-6.5	1.9	.92370	559.8	.00106	.000383			
110	30.8	-3.0	3.9	.92646	561.1	.00078	.000282	.00077	.000278	
113	5.8	.0	1.5	.92978	566.8	.00196	.000708	.00202	.000730	
114	5.8	2.5	1.3	.91651	558.8	.00199	.000719			
115	9.8	-4.7	1.9	.91154	558.8	.00202	.000730			
116	12.8	.0	3.4	.92425	564.5	.00228	.000824	.00231	.000835	
117	12.8	-5.5	3.1	.89710	559.1	.00401	.001449			
118	12.8	5.8	1.9	.90932	554.5	.00201	.000726			
119	16.3	.0	3.9	.91485	552.5	.00055	.000199			
120	16.3	-6.2	3.6	.86779	526.1	.00143	.000517			
122	30.8	.0	3.9	.93199	562.8	.00077	.000278			
123	30.8	-6.2	3.6	.92259	561.1	.00155	.000560			
124	30.8	6.5	1.9	.92923	560.5	.00039	.000141			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

3. Equipment Pod; $\alpha = 10^{0}$ - Concluded.

(i) $M = 4.44$; $R = 2.10 \times 10^{6}$; $T_t = 690^{0}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{0}R	h (b)	N_{St}	h_c (b)	$N_{St, c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.93714	568.1	.00049	.000264			.91
2	2.0	.0		.94155	570.8	.00060	.000323			.73
3	2.0	12.0		.93990	570.8	.00068	.000366			.99
4	8.0	.0		.93935	569.1	.00053	.000285			1.00
5	9.0	.0		.93990	569.5	.00051	.000274	.00053	.000285	.77
6	10.0	.0		.93935	569.1	.00051	.000274	.00050	.000269	.86
7	11.0	.0		.93990	569.5	.00079	.000425	.00080	.000431	1.49
8	11.5	.0		.93990	569.5	.00052	.000280	.00050	.000269	.79
9	12.0	1.0		.94266	571.1	.00055	.000296	.00055	.000296	.83
10	12.0	3.0		.94431	572.1	.00051	.000274	.00052	.000280	.89
11	12.0	5.0		.94266	571.5	.00079	.000425			1.41
13	14.0	1.0		.94266	573.8	.00079	.000425			1.34
14	14.0	.0		.94376	572.5	.00061	.000328	.00061	.000328	1.15
15	14.0	-1.0		.94486	572.1	.00051	.000274	.00056	.000301	.78
16	14.0	-2.0		.94100	569.8	.00051	.000274			.96
17	13.0	-2.0		.93990	569.1	.00051	.000274			.96
18	12.0	-3.0		.94100	570.1	.00079	.000425			1.49
19	14.0	-3.0		.94100	569.8	.00051	.000274	.00055	.000296	.96
20	14.0	-4.0		.93880	568.5	.00051	.000274	.00048	.000258	.96
21	16.0	-4.0		.94266	570.8	.00050	.000269	.00052	.000280	.94
22	14.0	-6.0		.93935	568.5	.00044	.000237	.00044	.000237	.83
23	14.0	-8.0		.93935	568.8	.00050	.000269	.00050	.000269	.98
24	14.0	-12.0		.93935	568.5	.00050	.000269			
25	16.0	-8.0		.93824	567.8	.00051	.000274	.00049	.000264	.96
26	18.0	-8.0		.94100	569.5	.00050	.000269	.00050	.000269	.94
27	16.0	-2.0		.94100	572.5	.00078	.000420	.00079	.000425	1.47
28	18.0	-2.0		.93935	571.8	.00107	.000576			1.98
29	20.0	-3.0		.93494	570.1	.00140	.000753			2.55
30	18.0	-4.0		.93935	570.8	.00088	.000474	.00087	.000468	1.66
31	20.0	-4.0		.93880	572.1	.00093	.000501	.00094	.000506	1.79
32	20.0	-5.0		.94100	572.5	.00078	.000420	.00081	.000436	1.47
33	20.0	-6.0		.94155	571.5	.00070	.000377	.00067	.000361	1.32
34	20.0	-7.0		.94266	571.8	.00064	.000344	.00067	.000361	1.21
35	20.0	-8.0		.94210	571.5	.00079	.000425			
36	20.0	-12.0		.94100	569.5	.00039	.000210			.80
37	14.0	5.0		.94486	573.5	.00060	.000323			.91
38	14.0	6.0		.94431	572.5	.00063	.000339			1.17
39	32.0	8.0		.92501	560.8	.00058	.000312			.72
40	32.0	10.0		.93769	570.8	.00090	.000484	.00096	.000517	1.41
41	32.0	12.0		.94266	572.1	.00070	.000377			.85
45	50.0	6.0		.93549	567.5	.00080	.000431			1.21
46	58.0	.0		.94210	570.5	.00052	.000280			.98
47	58.0	6.0		.93439	566.5	.00057	.000307			1.00
48	58.0	12.0		.93383	565.8	.00055	.000296			.68
49	32.0	-7.0		.93053	566.1	.00079	.000425			1.49
50	32.0	-8.0		.93163	566.8	.00108	.000581	.00108	.000581	2.04
51	32.0	-10.0		.93714	570.1	.00089	.000479	.00090	.000484	
52	32.0	-12.0		.94210	572.5	.00078	.000420			1.50
55	42.0	-9.0		.93714	570.8	.00090	.000484	.00092	.000495	1.70
56	42.0	-10.0		.93714	570.5	.00105	.000565	.00103	.000554	2.06
57	42.0	-12.0		.94376	573.5	.00075	.000404			1.67
58	58.0	-5.0		.93494	566.1	.00050	.000269			
59	58.0	-8.0		.93328	565.8	.00060	.000323	.00059	.000318	1.00
60	58.0	-12.0		.94045	569.1	.00050	.000269			.94
61	14.0	8.0		.94100	570.8	.00066	.000355			1.00
62	14.0	12.0		.93714	569.5	.00078	.000420			1.07
63	20.0	7.0		.93824	571.1	.00079	.000425			1.34
64	20.0	8.0		.94155	571.8	.00072	.000388			1.11
65	20.0	10.0		.94045	571.5	.00078	.000420			1.32
66	20.0	12.0		.93714	568.5	.00068	.000366			.93
67	28.0	-7.0		.92281	561.8	.00108	.000581			
69	30.0	8.0		.92556	563.1	.00080	.000431			1.29
101	1.8	.0	.5	.93218	567.8	.00112	.000603			
102	2.8	-2.5	1.3	.91399	559.1	.00147	.000791			
103	9.8	.0	2.6	.92832	566.1	.00141	.000759	.00141	.000759	
104	12.8	-5.8	1.9	.90351	554.8	.00198	.001066			
105	12.8	-3.0	3.4	.92170	564.1	.00170	.000915	.00173	.000931	
106	16.3	-6.5	1.9	.88532	535.5	.00050	.000269			
107	16.3	-3.0	3.9	.91509	553.5	.00040	.000215	.00048	.000258	
108	23.5	.0	3.9	.92832	561.8	.00053	.000285			
109	30.8	-6.5	1.9	.93163	565.1	.00070	.000377			
110	30.8	-3.0	3.9	.93218	564.8	.00052	.000280	.00051	.000274	
113	5.8	.0	1.5	.92997	567.5	.00129	.000694	.00135	.000727	
114	5.8	2.5	1.3	.91784	559.5	.00110	.000592			
115	9.8	-4.7	1.9	.91399	557.8	.00145	.000780			
116	12.8	.0	3.4	.92722	566.8	.00150	.000807	.00153	.000823	
117	12.8	-5.5	3.1	.89910	555.8	.00296	.001593			
118	12.8	5.8	1.9	.91399	557.1	.00143	.000770			
119	16.3	.0	3.9	.91729	554.8	.00046	.000248			
120	16.3	-6.2	3.6	.87153	529.8	.00084	.000452			
122	30.8	.0	3.9	.93604	566.5	.00043	.000231			
123	30.8	-6.2	3.6	.92942	565.5	.00107	.000576			
124	30.8	6.5	1.9	.92942	562.5	.00033	.000178			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{0}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

4. Engine Fairing; $\alpha = 0^{o}$

(a) M = 2.65; R = 3.91×10^{6}; $T_t = 715^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94759	587.5	.00330	.000466			1.05
3	2.0	12.0		.95255	591.5	.00285	.000402			.96
4	8.0	.0		.94814	584.5	.00309	.000436			1.00
5	9.0	.0		.94759	584.1	.00311	.000439	.00310	.000438	.94
6	10.0	.0		.94759	584.1	.00308	.000435	.00309	.000436	1.01
7	11.0	.0		.94759	584.1	.00335	.000473	.00343	.000484	1.01
8	11.5	.0		.94538	582.8	.00313	.000442			1.03
9	12.0	1.0		.94704	583.8	.00314	.000443	.00314	.000443	1.03
10	12.0	3.0		.94649	583.5	.00306	.000432	.00306	.000432	.92
11	12.0	5.0		.94704	583.5	.00305	.000431			.92
12	14.0	4.0		.94704	583.5	.00304	.000429	.00304	.000429	1.01
13	14.0	1.0		.94924	585.5	.00315	.000445			1.03
15	14.0	-1.0		.95200	587.1	.00334	.000472			1.01
16	14.0	-2.0		.94814	584.5	.00311	.000439	.00303	.000428	1.01
17	13.0	-2.0		.94759	584.1	.00312	.000441			1.03
18	12.0	-3.0		.94869	584.5	.00333	.000470			1.06
19	14.0	-3.0		.94814	584.5	.00334	.000472	.00336	.000474	1.06
20	14.0	-4.0		.94649	583.8	.00336	.000474	.00335	.000473	1.07
21	16.0	-4.0		.94649	583.8	.00336	.000474	.00335	.000473	1.01
22	14.0	-6.0		.94649	589.5	.00329	.000465	.00329	.000465	1.02
23	14.0	-8.0		.94869	590.5	.00327	.000462	.00328	.000463	1.03
24	14.0	-12.0		.94704	584.5	.00340	.000480			1.00
25	16.0	-8.0		.94649	583.8	.00323	.000456	.00321	.000453	1.01
26	18.0	-8.0		.94924	590.8	.00327	.000462	.00330	.000466	1.02
27	16.0	-2.0		.94979	585.8	.00317	.000448	.00316	.000446	1.02
28	18.0	-2.0		.95531	589.1	.00315	.000445	.00320	.000452	1.01
29	20.0	-3.0		.94979	585.8	.00318	.000449	.00339	.000479	1.02
30	18.0	-4.0		.94704	584.1	.00336	.000474	.00334	.000472	1.09
31	20.0	-4.0		.94814	590.5	.00328	.000463	.00352	.000469	1.05
32	20.0	-5.0		.94538	583.5	.00328	.000463	.00350	.000494	1.04
33	20.0	-6.0		.94649	583.8	.00336	.000474	.00336	.000474	1.06
34	20.0	-7.0		.94759	589.8	.00328	.000463	.00334	.000472	1.04
35	20.0	-8.0		.94483	588.1	.00328	.000463			
36	20.0	-12.0		.94704	584.8	.00344	.000486			1.11
37	14.0	5.0		.94759	583.8	.00305	.000431	.00306	.000432	1.05
38	14.0	6.0		.94649	583.8	.00303	.000428			
39	32.0	8.0		.95145	587.1	.00322	.000455	.00323	.000456	1.06
40	32.0	10.0		.94924	586.1	.00335	.000473	.00335	.000473	1.06
41	32.0	12.0		.94704	589.8	.00329	.000465			1.08
43	50.0	-5.0		.98069	598.8	.00206	.000291			.64
44	50.0	.0		.97848	592.1	.00116	.000164			.36
45	50.0	6.0		.96800	596.5	.00300	.000424			.99
46	58.0	.0		.97517	603.8	.00342	.000483			1.17
47	58.0	6.0		.95476	583.8	.00222	.000313			.70
48	58.0	12.0		.95917	590.5	.00329	.000465			1.04
49	32.0	-7.0		.94814	585.8	.00346	.000489			1.05
50	32.0	-8.0		.94649	585.1	.00352	.000497			1.09
51	32.0	-10.0		.94538	584.8	.00353	.000498			1.04
52	32.0	-12.0		.94538	584.1	.00349	.000493			1.03
53	42.0	-7.0		.94924	586.8	.00342	.000483			1.07
55	42.0	-9.0		.95090	590.5	.00356	.000503			1.08
56	42.0	-10.0		.94924	586.8	.00350	.000494			1.08
73	14.0	2.0		.94262	581.8	.00315	.000445			1.02
78	20.0	-2.0		.94649	583.8	.00319	.000450	.00331	.000467	1.01
79	32.0	-4.0		.94924	586.5	.00331	.000467			1.05
80	32.0	-5.0		.94483	584.1	.00348	.000491			1.08
81	32.0	4.0		.95366	588.1	.00313	.000442			1.04
82	32.0	6.0		.95090	586.8	.00318	.000449	.00317	.000448	.96
83	42.0	-5.0		.94759	592.5	.00365	.000515			1.14
84	42.0	-6.0		.95090	588.1	.00352	.000497			
201	2.0	.0	.3	.95421	592.5	.00478	.000675			
202	6.0	.0	.8	.94979	588.8	.00419	.000592	.00419	.000592	
203	10.0	.9	.9	.94924	591.8	.00404	.000570			
204	14.0	.0	1.8	.94152	584.8	.00428	.000604	.00429	.000606	
205	18.0	2.1	1.0	.94759	589.8	.00375	.000530			
206	22.9	.0	2.0	.97186	592.8	.00161	.000227			
207	27.3	1.9	1.8	.94538	576.8	.00177	.000250			
208	27.3	-1.9	1.8	.94483	580.5	.00258	.000364			
209	35.0	4.2	2.0	.94097	582.8	.00365	.000515			
211	36.0	.0	2.0	.95807	583.5	.00087	.000123			
212	36.0	-3.0	2.0	.95697	579.5	.00053	.000075			
213	10.0	.0	1.3	.93821	584.8	.00362	.000511	.00368	.000520	
214	10.0	-.9	.9	.93987	587.5	.00359	.000507			
215	18.0	.0	2.4	.94318	578.1	.00243	.000343	.00236	.000333	
216	18.0	-2.1	1.0	.94262	589.1	.00358	.000506			
217	23.8	.0	1.5	.96855	591.8	.00175	.000247			
218	27.2	.0	.6	.95641	592.5	.00218	.000308			
219	30.2	.0	2.0	.95200	598.8	.00365	.000515			
220	30.5	.0	2.9	.95641	603.1	.00561	.000792			
221	30.5	1.0	2.9	.95807	606.1	.00611	.000863			
222	33.0	.0	4.3	.92552	582.5	.00519	.000733			
223	35.0	.0	4.6	.92497	581.5	.00502	.000709			
224	35.0	-4.2	2.0	.93159	585.8	.00357	.000504			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

4. Engine Fairing; $\alpha = 0^{o}$ - Continued

(b) M = 2.65; R = 2.56 × 10^6; $T_t = 708^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95736	577.8	.00220	.000477			.91
3	2.0	12.0		.96185	581.5	.00213	.000462			1.07
4	8.0	.0		.95624	576.5	.00210	.000456			.94
5	9.0	.0		.95512	576.1	.00231	.000501	.00230	.000499	1.03
6	10.0	.0		.95568	576.5	.00231	.000501	.00232	.000503	1.03
7	11.0	.0		.95512	576.1	.00231	.000501	.00235	.000510	1.05
8	11.5	.0		.95344	577.1	.00212	.000460			.95
9	12.0	1.0		.95512	575.8	.00210	.000456	.00210	.000456	.94
10	12.0	3.0		.95456	575.8	.00211	.000458	.00211	.000458	.94
11	12.0	5.0		.95568	576.1	.00230	.000499			1.12
12	14.0	4.0		.95456	577.5	.00216	.000469	.00216	.000469	.96
13	14.0	1.0		.95680	577.5	.00231	.000501			1.03
15	14.0	-1.0		.95905	578.8	.00231	.000501			1.03
16	14.0	-2.0		.95512	576.1	.00226	.000490	.00226	.000490	1.01
17	13.0	-2.0		.95456	576.1	.00216	.000469			.99
18	12.0	-3.0		.95568	580.1	.00219	.000475			.96
19	14.0	-3.0		.95512	576.1	.00226	.000490	.00227	.000492	.99
20	14.0	-4.0		.95344	575.5	.00227	.000492	.00225	.000488	.98
21	16.0	-4.0		.95400	575.8	.00232	.000503	.00231	.000501	1.04
22	14.0	-6.0		.95400	576.1	.00235	.000510	.00235	.000510	1.01
23	14.0	-8.0		.95624	576.8	.00228	.000495	.00228	.000495	.98
24	14.0	-12.0		.95456	576.1	.00250	.000542			1.03
25	16.0	-8.0		.95344	575.5	.00229	.000497	.00229	.000497	.97
26	18.0	-8.0		.95624	575.8	.00231	.000501	.00232	.000503	1.00
27	16.0	-2.0		.95680	577.1	.00228	.000495	.00227	.000492	1.00
28	18.0	-2.0		.96129	579.8	.00225	.000488	.00229	.000497	.98
29	20.0	-3.0		.95624	577.1	.00228	.000495	.00243	.000527	1.03
30	18.0	-4.0		.95400	575.8	.00232	.000503	.00230	.000499	1.04
31	20.0	-4.0		.95512	576.5	.00230	.000499	.00231	.000501	1.03
32	20.0	-5.0		.95232	579.1	.00236	.000512	.00226	.000490	1.04
33	20.0	-6.0		.95456	576.1	.00234	.000508	.00235	.000510	1.02
34	20.0	-7.0		.95512	576.1	.00231	.000501	.00234	.000508	1.00
35	20.0	-8.0		.95232	574.8	.00235	.000510			
36	20.0	-12.0		.95400	576.1	.00242	.000525			1.03
37	14.0	5.0		.95568	576.1	.00212	.000460	.00213	.000462	.95
38	14.0	6.0		.95512	576.1	.00231	.000501			1.03
39	32.0	8.0		.95849	578.5	.00238	.000516	.00238	.000516	1.13
40	32.0	10.0		.95624	577.5	.00239	.000519	.00239	.000519	1.07
41	32.0	12.0		.95456	576.5	.00238	.000516			1.04
43	50.0	-5.0		.98541	590.8	.00101	.000219			.44
44	50.0	.0		.99046	588.8	.00041	.000089			.19
45	50.0	6.0		.97419	585.8	.00180	.000391			.82
46	58.0	.0		.98148	593.5	.00240	.000521			1.05
47	58.0	6.0		.96017	578.5	.00150	.000325			.68
48	58.0	12.0		.96466	582.8	.00218	.000473			.95
49	32.0	-7.0		.95512	576.8	.00241	.000523			.97
50	32.0	-8.0		.95344	578.1	.00254	.000551			1.08
51	32.0	-10.0		.95232	575.5	.00247	.000536			1.03
52	32.0	-12.0		.95175	575.1	.00253	.000549			1.05
53	42.0	-7.0		.95624	577.8	.00252	.000547			1.08
55	42.0	-9.0		.95736	578.5	.00241	.000523			1.03
56	42.0	-10.0		.95624	577.8	.00241	.000523			1.03
73	14.0	2.0		.95119	573.5	.00231	.000501			1.08
78	20.0	-2.0		.95456	575.5	.00226	.000490	.00233	.000506	1.00
79	32.0	-4.0		.95624	577.5	.00236	.000512			1.03
80	32.0	-5.0		.95175	574.8	.00252	.000547			1.08
81	32.0	4.0		.96017	579.5	.00229	.000497			1.12
82	32.0	6.0		.95736	578.1	.00222	.000482	.00221	.000479	1.05
83	42.0	-5.0		.95512	578.5	.00265	.000575			1.14
84	42.0	-6.0		.95736	578.8	.00258	.000560			
201	2.0	.0	.3	.96185	582.5	.00323	.000701			
202	6.0	.0	.8	.95961	579.8	.00285	.000618	.00285	.000618	
203	10.0	.9	.9	.95849	580.1	.00288	.000625			
204	14.0	.0	1.8	.94951	576.5	.00313	.000679	.00314	.000681	
205	18.0	2.1	1.0	.95456	580.8	.00271	.000588			
206	22.9	.0	2.0	.97475	583.5	.00118	.000256			
207	27.3	1.9	1.8	.95119	571.8	.00123	.000267			
208	27.3	-1.9	1.8	.95007	571.8	.00212	.000460			
209	35.0	4.2	2.0	.94951	578.5	.00242	.000525			
211	36.0	.0	2.0	.96858	577.5	.00069	.000150			
212	36.0	-3.0	2.0	.96802	575.1	.00037	.000080			
213	10.0	.0	1.3	.94615	575.5	.00273	.000592	.00260	.000564	
214	10.0	-.9	.9	.94727	576.1	.00272	.000590			
215	18.0	.0	2.4	.94783	570.1	.00195	.000423	.00189	.000410	
216	18.0	-2.1	1.0	.95007	577.8	.00271	.000588			
217	23.8	.0	1.5	.97363	583.1	.00129	.000280			
218	27.2	.0	.6	.96578	580.1	.00160	.000347			
219	30.2	.0	2.0	.95736	584.8	.00279	.000605			
220	30.5	.0	2.9	.95849	589.8	.00425	.000922			
221	30.5	1.0	2.9	.95905	592.5	.00461	.001000			
222	33.0	.0	4.3	.92988	571.1	.00383	.000831			
223	35.0	.0	4.6	.93381	569.5	.00383	.000831			
224	35.0	-4.2	2.0	.94054	569.8	.00277	.000601			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

4. Engine Fairing; $\alpha = 0^{o}$ - Continued

(c) M = 2.65; R = 1.26×10^{6}; $T_t = 709^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95918	577.5	.00130	.000568			1.02
3	2.0	12.0		.98490	590.8	.00099	.000433			.89
4	8.0	.0		.97596	585.1	.00102	.000446			.80
5	9.0	.0		.97037	582.8	.00106	.000463	.00103	.000450	.83
6	10.0	.0		.96701	582.8	.00118	.000516	.00120	.000524	.93
7	11.0	.0		.96366	581.1	.00118	.000516	.00121	.000529	.92
8	11.5	.0		.96030	578.5	.00119	.000520			.93
9	12.0	1.0		.95974	580.5	.00127	.000555	.00128	.000559	.99
10	12.0	3.0		.95807	577.8	.00119	.000520	.00119	.000520	.99
11	12.0	5.0		.95751	577.1	.00119	.000520			.99
12	14.0	4.0		.95583	577.8	.00127	.000555	.00127	.000555	1.06
13	14.0	1.0		.95695	578.8	.00128	.000559			1.09
15	14.0	-1.0		.95918	580.1	.00127	.000555			.99
16	14.0	-2.0		.95527	577.8	.00128	.000559	.00123	.000537	1.01
17	13.0	-2.0		.95471	578.1	.00117	.000511			.98
18	12.0	-3.0		.95527	576.5	.00133	.000581			1.05
19	14.0	-3.0		.95527	579.8	.00123	.000537	.00125	.000546	.96
20	14.0	-4.0		.95359	576.5	.00128	.000559	.00126	.000551	1.00
21	16.0	-4.0		.95471	574.8	.00128	.000559	.00128	.000559	1.00
22	14.0	-6.0		.95415	574.8	.00137	.000599	.00137	.000599	1.07
23	14.0	-8.0		.95583	577.1	.00133	.000581	.00133	.000581	1.04
24	14.0	-12.0		.95471	575.1	.00135	.000590			1.05
25	16.0	-8.0		.95415	576.8	.00128	.000559	.00126	.000551	1.00
26	18.0	-8.0		.95471	576.8	.00127	.000555	.00127	.000555	1.05
27	16.0	-2.0		.95751	576.1	.00134	.000586	.00132	.000577	1.05
28	18.0	-2.0		.96422	582.8	.00135	.000590	.00139	.000607	1.12
29	20.0	-3.0		.95751	576.5	.00133	.000581	.00130	.000568	1.00
30	18.0	-4.0		.95527	575.1	.00132	.000577	.00130	.000568	1.03
31	20.0	-4.0		.95751	576.1	.00134	.000586	.00136	.000594	1.05
32	20.0	-5.0		.95527	574.5	.00130	.000568	.00126	.000551	1.01
33	20.0	-6.0		.95695	576.8	.00131	.000572	.00132	.000577	1.02
34	20.0	-7.0		.95751	575.8	.00131	.000572	.00135	.000590	1.02
36	20.0	-12.0		.95639	575.5	.00129	.000564			1.01
37	14.0	5.0		.95751	577.8	.00126	.000551	.00126	.000551	1.05
38	14.0	6.0		.95751	578.5	.00115	.000503			1.02
39	32.0	8.0		.96086	577.8	.00136	.000594	.00136	.000594	1.13
40	32.0	10.0		.95863	576.8	.00134	.000586	.00134	.000586	1.05
41	32.0	12.0		.95751	575.8	.00137	.000599			1.07
43	50.0	-5.0		.93906	561.5	.00049	.000214			.38
45	50.0	6.0		.94521	567.1	.00099	.000433			.83
46	58.0	.0		.96701	581.8	.00136	.000594			1.12
47	58.0	6.0		.95080	571.1	.00088	.000385			.69
48	58.0	12.0		.95695	576.5	.00119	.000520			.89
49	32.0	-7.0		.95974	577.5	.00138	.000603			1.05
50	32.0	-8.0		.95807	576.5	.00131	.000572			.96
51	32.0	-10.0		.95751	576.1	.00135	.000590			.99
52	32.0	-12.0		.95695	575.8	.00135	.000590			.99
53	42.0	-7.0		.96086	578.1	.00138	.000603			1.07
55	42.0	-9.0		.96198	578.8	.00139	.000607			1.04
56	42.0	-10.0		.96086	578.5	.00138	.000603			1.03
73	14.0	2.0		.95807	578.5	.00126	.000551			.98
78	20.0	-2.0		.96198	578.5	.00125	.000546	.00129	.000564	1.03
79	32.0	-4.0		.96198	578.8	.00133	.000581			1.03
80	32.0	-5.0		.95639	575.5	.00135	.000590			.99
81	32.0	4.0		.96422	582.1	.00125	.000546			1.04
82	32.0	6.0		.96310	579.1	.00130	.000568	.00130	.000568	1.07
83	42.0	-5.0		.96086	578.8	.00140	.000612			1.09
84	42.0	-6.0		.96198	579.1	.00141	.000616			
201	2.0	.0	.3	.95695	577.1	.00180	.000787			
202	6.0	.0	.8	.96645	582.1	.00160	.000699	.00161	.000704	
203	10.0	.9	.9	.96813	583.8	.00160	.000699			
204	14.0	.0	1.8	.96477	584.5	.00154	.000673	.00154	.000673	
205	18.0	2.1	1.0	.97037	585.5	.00142	.000621			
206	22.9	.0	2.0	.99720	595.8	.00054	.000236			
207	27.3	1.9	1.8	.97540	583.1	.00061	.000267			
208	27.3	-1.9	1.8	.97372	584.1	.00095	.000415			
209	35.0	4.2	2.0	.97204	584.8	.00141	.000616			
211	36.0	.0	2.0	.98434	587.5	.00036	.000157			
212	36.0	-3.0	2.0	.98434	586.5	.00020	.000087			
213	10.0	.0	1.3	.96589	583.1	.00143	.000625	.00140	.000612	
214	10.0	-.9	.9	.96645	582.1	.00135	.000590			
215	18.0	.0	2.4	.96981	581.5	.00101	.000441	.00099	.000433	
216	18.0	-2.1	1.0	.96925	583.8	.00159	.000695			
217	23.8	.0	1.5	.99664	595.8	.00065	.000284			
218	27.2	.0	.6	.97987	589.1	.00086	.000376			
219	30.2	.0	2.0	.97428	587.1	.00159	.000695			
220	30.5	.0	2.9	.97316	590.5	.00236	.001031			
221	30.5	1.0	2.9	.97372	594.1	.00273	.001193			
222	33.0	.0	4.3	.95248	576.1	.00202	.000883			
223	35.0	.0	4.6	.95527	580.5	.00176	.000769			
224	35.0	-4.2	2.0	.95974	579.5	.00144	.000629			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

4. Engine Fairing; $\alpha = 0^{o}$ - Continued

(d) M = 3.51; R = 3.95×10^{6}; $T_t = 714^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94517	576.1	.00174	.000339			1.00
2	2.0	.0		.94794	579.1	.00176	.000343			1.02
3	2.0	12.0		.94739	578.5	.00195	.000380			.99
4	8.0	.0		.94240	574.8	.00195	.000380			1.11
5	9.0	.0		.94185	574.5	.00195	.000380	.00189	.000368	1.02
6	10.0	.0		.94683	577.5	.00194	.000378	.00205	.000400	1.02
7	11.0	.0		.94240	574.5	.00194	.000378	.00193	.000376	1.02
8	11.5	.0		.94019	573.1	.00176	.000343	.00168	.000328	.93
9	12.0	1.0		.94295	575.1	.00195	.000380	.00195	.000380	1.04
10	12.0	3.0		.94351	575.8	.00195	.000380	.00195	.000380	1.01
11	12.0	5.0		.94628	577.5	.00193	.000376			.98
12	14.0	4.0		.94462	576.1	.00193	.000376	.00196	.000382	1.02
13	14.0	1.0		.95015	579.8	.00190	.000370			.99
15	14.0	-1.0		.94462	576.1	.00195	.000380			1.11
16	14.0	-2.0		.94351	575.1	.00171	.000333	.00173	.000337	.98
17	13.0	-2.0		.94185	575.5	.00177	.000345			.93
18	12.0	-3.0		.94185	575.5	.00177	.000345			.93
19	14.0	-3.0		.94129	573.8	.00175	.000341	.00174	.000339	.98
20	14.0	-4.0		.93963	574.5	.00178	.000347	.00177	.000345	1.00
21	16.0	-4.0		.94019	573.1	.00174	.000339	.00173	.000337	.99
22	14.0	-6.0		.93963	572.8	.00195	.000380	.00194	.000378	1.10
23	14.0	-8.0		.94240	574.5	.00173	.000337	.00173	.000337	.91
24	14.0	-12.0		.94406	575.5	.00194	.000378			1.02
25	16.0	-8.0		.93963	572.8	.00174	.000339	.00173	.000337	.91
26	18.0	-8.0		.93963	572.8	.00195	.000380	.00196	.000382	1.13
27	16.0	-2.0		.94240	574.8	.00195	.000380	.00194	.000378	1.08
28	18.0	-2.0		.94462	576.1	.00194	.000378	.00195	.000380	1.01
29	20.0	-3.0		.94406	575.5	.00175	.000341	.00184	.000359	.91
30	18.0	-4.0		.94074	575.1	.00178	.000347	.00178	.000347	1.03
31	20.0	-4.0		.94129	573.8	.00195	.000380	.00194	.000378	1.02
32	20.0	-5.0		.93908	574.1	.00178	.000347	.00174	.000339	1.02
33	20.0	-6.0		.94074	573.5	.00175	.000341	.00175	.000341	1.02
34	20.0	-7.0		.94240	574.1	.00171	.000333	.00178	.000347	.98
35	20.0	-8.0		.93686	570.8	.00173	.000337			
36	20.0	-12.0		.93852	572.5	.00196	.000382			1.03
37	14.0	5.0		.94074	574.1	.00193	.000376	.00190	.000370	.98
38	14.0	6.0		.94295	575.8	.00187	.000365			.94
39	32.0	8.0		.94185	575.8	.00232	.000452	.00232	.000452	1.10
40	32.0	10.0		.94019	574.8	.00212	.000413	.00212	.000413	1.02
41	32.0	12.0		.93742	572.8	.00203	.000396			.95
43	50.0	-5.0		.91693	554.5	.00072	.000140			.38
44	50.0	.0		.94960	571.8	.00032	.000062			.17
45	50.0	6.0		.94849	570.8	.00180	.000351			.90
46	58.0	.0		.94074	574.5	.00214	.000417			1.16
47	58.0	6.0		.93576	568.1	.00126	.000246			.63
48	58.0	12.0		.94240	576.5	.00233	.000454			1.02
49	32.0	-7.0		.94240	575.1	.00184	.000359			.98
50	32.0	-8.0		.94019	573.8	.00196	.000382			1.10
51	32.0	-10.0		.93963	573.5	.00192	.000374			1.03
52	32.0	-12.0		.93908	573.1	.00185	.000361			.96
53	42.0	-7.0		.94295	575.8	.00197	.000384			1.09
54	42.0	-8.0		.94406	576.5	.00187	.000365			.99
55	42.0	-9.0		.94240	575.1	.00192	.000374			1.07
56	42.0	-10.0		.94129	574.8	.00200	.000390			1.07
57	42.0	-12.0		.94019	573.8	.00194	.000378			1.08
73	14.0	2.0		.93908	572.8	.00196	.000382			1.03
77	20.0	-1.0		.95071	572.8	.00044	.000086			.23
78	20.0	-2.0		.94462	576.1	.00177	.000345	.00185	.000361	.98
79	32.0	-4.0		.94406	576.8	.00201	.000392			1.05
81	32.0	4.0		.95237	581.5	.00198	.000386			1.03
82	32.0	6.0		.94406	576.8	.00208	.000406	.00206	.000402	1.04
83	42.0	-5.0		.94406	578.1	.00234	.000456			1.23
84	42.0	-6.0		.94351	577.5	.00219	.000427			1.16
201	2.0	.0	.3	.93576	574.1	.00267	.000521			
202	6.0	.0	.8	.93963	577.5	.00231	.000450	.00232	.000452	
203	10.0	.9	.9	.94406	583.1	.00241	.000470			
204	14.0	.0	1.8	.93354	578.1	.00228	.000445	.00228	.000445	
205	18.0	2.1	1.0	.94351	578.5	.00255	.000497			
206	22.9	.0	2.0	.98117	594.1	.00098	.000191			
207	27.3	1.9	1.8	.95791	580.5	.00090	.000175			
208	27.3	-1.9	1.8	.95625	582.1	.00156	.000304			
209	35.0	4.2	2.0	.94240	577.5	.00235	.000458			
211	36.0	.0	2.0	.98394	593.1	.00032	.000062			
212	36.0	-3.0	2.0	.98006	589.8	.00017	.000033			
213	10.0	.0	1.3	.93520	573.1	.00256	.000499	.00245	.000478	
214	10.0	-.9	.9	.93963	576.5	.00217	.000423			
215	18.0	.0	2.4	.93852	572.1	.00165	.000322	.00159	.000310	
216	18.0	-2.1	1.0	.94295	576.5	.00199	.000388			
217	23.8	.0	1.5	.98504	598.8	.00100	.000195			
218	27.2	.0	.6	.97064	590.1	.00126	.000246			
219	30.2	.0	2.0	.95680	585.8	.00249	.000485			
220	30.5	.0	2.9	.95403	589.1	.00371	.000723			
221	30.5	1.0	2.9	.95791	593.5	.00413	.000805			
222	33.0	.0	4.3	.91748	568.8	.00325	.000634			
223	35.0	.0	4.6	.92246	568.5	.00322	.000628			
224	35.0	-4.2	2.0	.92025	564.1	.00241	.000470			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

4. Engine Fairing; $\alpha = 0^{\circ}$ - Continued

(e) $M = 3.51$; $R = 2.78 \times 10^6$; $T_t = 711^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94932	573.8	.00131	.000365			1.01
2	2.0	.0		.95210	575.5	.00123	.000343			.99
3	2.0	12.0		.95266	576.5	.00134	.000374			.98
4	8.0	.0		.94654	572.5	.00129	.000360			.99
5	9.0	.0		.94654	572.1	.00130	.000362	.00123	.000343	.97
6	10.0	.0		.95099	575.1	.00130	.000362	.00141	.000393	.97
7	11.0	.0		.94654	572.1	.00130	.000362	.00128	.000357	.98
8	11.5	.0		.94486	573.1	.00126	.000351	.00114	.000318	.91
9	12.0	1.0		.94765	572.8	.00138	.000385	.00138	.000385	.89
10	12.0	3.0		.94821	573.5	.00134	.000374	.00153	.000371	.86
11	12.0	5.0		.95155	575.5	.00154	.000429			.99
12	14.0	4.0		.94932	573.8	.00138	.000385	.00141	.000393	.89
13	14.0	1.0		.95489	577.5	.00135	.000376			1.00
15	14.0	-1.0		.94932	573.8	.00128	.000357			.96
16	14.0	-2.0		.94821	573.1	.00128	.000357	.00131	.000365	.98
17	13.0	-2.0		.94598	574.1	.00123	.000343			.94
18	12.0	-3.0		.94598	571.8	.00130	.000362			.99
19	14.0	-3.0		.94598	571.8	.00128	.000357	.00127	.000354	1.02
20	14.0	-4.0		.94431	570.8	.00130	.000362	.00129	.000360	1.00
21	16.0	-4.0		.94486	571.1	.00129	.000360	.00129	.000360	.99
22	14.0	-6.0		.94375	570.5	.00133	.000371	.00132	.000368	1.02
23	14.0	-8.0		.94709	572.1	.00130	.000362	.00130	.000362	1.04
24	14.0	-12.0		.94821	572.8	.00129	.000360			.96
25	16.0	-8.0		.94431	570.5	.00130	.000362	.00129	.000360	1.01
26	18.0	-8.0		.94375	570.5	.00130	.000362	.00131	.000365	.98
27	16.0	-2.0		.94654	572.1	.00134	.000374	.00133	.000371	1.02
28	18.0	-2.0		.94988	574.1	.00129	.000360	.00130	.000362	.97
29	20.0	-3.0		.94876	573.1	.00127	.000354	.00133	.000371	.96
30	18.0	-4.0		.94542	571.5	.00130	.000362	.00129	.000360	1.05
31	20.0	-4.0		.94542	571.8	.00129	.000360	.00129	.000360	.98
32	20.0	-5.0		.94375	570.1	.00128	.000357	.00123	.000343	1.02
33	20.0	-6.0		.94542	571.5	.00128	.000357	.00129	.000360	1.01
34	20.0	-7.0		.94709	572.1	.00128	.000357	.00135	.000376	.99
35	20.0	-8.0		.94152	568.5	.00125	.000349			1.07
36	20.0	-12.0		.94264	569.8	.00139	.000388			.88
37	14.0	5.0		.94542	571.8	.00137	.000382	.00129	.000360	1.01
38	14.0	6.0		.94765	573.5	.00156	.000435			1.08
39	32.0	8.0		.94654	573.5	.00162	.000452	.00162	.000452	1.05
40	32.0	10.0		.94486	572.5	.00162	.000452	.00162	.000452	1.04
41	32.0	12.0		.94208	570.5	.00157	.000438			.43
43	50.0	-5.0		.92426	554.5	.00056	.000156			.19
44	50.0	.0		.95600	572.1	.00025	.000070			.90
45	50.0	6.0		.93985	567.8	.00139	.000388			1.09
46	58.0	.0		.94821	576.5	.00149	.000415			.55
47	58.0	6.0		.94208	568.8	.00086	.000240			1.00
48	58.0	12.0		.94654	573.5	.00148	.000413			1.01
49	32.0	-7.0		.94654	572.5	.00134	.000374			1.01
50	32.0	-8.0		.94486	571.1	.00138	.000385			1.05
51	32.0	-10.0		.94431	570.8	.00136	.000379			.96
52	32.0	-12.0		.94319	570.5	.00132	.000368			1.06
53	42.0	-7.0		.94765	573.5	.00142	.000396			1.03
54	42.0	-8.0		.94876	573.8	.00137	.000382			1.01
55	42.0	-9.0		.94709	573.8	.00139	.000388			1.02
56	42.0	-10.0		.94598	572.1	.00135	.000376			1.04
57	42.0	-12.0		.94486	571.1	.00139	.000388			.99
73	14.0	2.0		.94375	570.5	.00135	.000376			.25
77	20.0	-1.0		.95656	572.5	.00034	.000095			1.01
78	20.0	-2.0		.95043	574.5	.00129	.000360	.00136	.000379	1.05
79	32.0	-4.0		.94876	574.1	.00138	.000385			1.12
81	32.0	4.0		.95600	578.5	.00154	.000429			.97
82	32.0	6.0		.94821	575.5	.00151	.000421	.00149	.000415	1.26
83	42.0	-5.0		.94932	577.1	.00164	.000457			1.19
84	42.0	-6.0		.94765	574.5	.00160	.000446			
201	2.0	.0	.3	.93818	570.1	.00197	.000549			
202	6.0	.0	.8	.94542	573.1	.00165	.000460	.00162	.000452	
203	10.0	.9	.9	.94988	576.8	.00194	.000541			
204	14.0	.0	1.8	.94041	571.1	.00170	.000474	.00170	.000474	
205	18.0	2.1	1.0	.94988	576.5	.00166	.000463			
206	22.9	.0	2.0	.98663	592.1	.00061	.000170			
207	27.3	1.9	1.8	.96380	578.5	.00062	.000173			
208	27.3	-1.9	1.8	.96157	579.8	.00118	.000329			
209	35.0	4.2	2.0	.94988	577.5	.00164	.000457			
210	36.0	3.0	2.0	.98663	589.8	.00015	.000042			
211	36.0	.0	2.0	.98663	591.1	.00025	.000070			
212	36.0	-3.0	2.0	.98273	587.5	.00015	.000042			
213	10.0	.0	1.3	.94208	572.8	.00166	.000463	.00155	.000432	
214	10.0	-.9	.9	.94654	573.5	.00157	.000438			
215	18.0	.0	2.4	.94542	569.8	.00114	.000318	.00115	.000321	
216	18.0	-2.1	1.0	.94988	575.1	.00156	.000435			
217	23.8	.0	1.5	.98997	594.8	.00076	.000212			
218	27.2	.0	.6	.97438	587.1	.00092	.000257			
219	30.2	.0	2.0	.96046	582.1	.00172	.000480			
220	30.5	.0	2.9	.95656	586.5	.00266	.000742			
221	30.5	1.0	2.9	.96046	592.8	.00279	.000778			
222	33.0	.0	4.3	.92482	564.1	.00239	.000666			
223	35.0	.0	4.6	.93094	568.8	.00220	.000613			
224	35.0	-4.2	2.0	.92872	565.8	.00154	.000429			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

4. Engine Fairing; $\alpha = 0^{\circ}$ - Continued

(f) $M = 3.51$; $R = 1.59 \times 10^{6}$; $T_t = 709^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94791	575.5	.00074	.000361			.84
2	2.0	.0		.95123	576.5	.00091	.000444			1.05
3	2.0	12.0		.95179	577.1	.00091	.000444			1.05
4	8.0	.0		.94736	573.8	.00091	.000444			1.17
5	9.0	.0		.94680	573.5	.00074	.000361	.00066	.000322	.84
6	10.0	.0		.95234	577.8	.00073	.000356	.00086	.000419	.83
7	11.0	.0		.94736	573.8	.00074	.000361	.00071	.000346	.97
8	11.5	.0		.94625	572.8	.00076	.000370	.00069	.000336	.94
9	12.0	1.0		.94902	574.8	.00074	.000361	.00074	.000361	.84
10	12.0	3.0		.94957	575.1	.00074	.000361	.00073	.000356	.84
11	12.0	5.0		.95290	577.1	.00079	.000385			.95
12	14.0	4.0		.95123	576.8	.00085	.000414	.00089	.000434	.97
13	14.0	1.0		.95622	579.1	.00074	.000361			.85
15	14.0	-1.0		.94957	575.1	.00091	.000444			1.12
16	14.0	-2.0		.94957	574.8	.00073	.000356	.00078	.000380	.96
17	13.0	-2.0		.94736	573.8	.00077	.000375			1.01
18	12.0	-3.0		.94680	573.5	.00091	.000444			1.17
19	14.0	-3.0		.94680	573.1	.00074	.000361	.00072	.000351	.95
20	14.0	-4.0		.94569	572.5	.00074	.000361	.00073	.000356	.85
21	16.0	-4.0		.94625	572.8	.00074	.000361	.00073	.000356	.85
22	14.0	-6.0		.94514	572.1	.00074	.000361	.00073	.000356	.95
23	14.0	-8.0		.94846	573.8	.00073	.000356	.00074	.000361	.97
24	14.0	-12.0		.94846	574.1	.00073	.000356			.84
25	16.0	-8.0		.94514	572.1	.00074	.000361	.00073	.000356	.94
26	18.0	-8.0		.94514	572.1	.00074	.000361	.00075	.000366	.85
27	16.0	-2.0		.94846	574.1	.00073	.000356	.00072	.000351	.83
28	18.0	-2.0		.95234	576.5	.00073	.000356	.00074	.000361	.83
29	20.0	-3.0		.95013	576.1	.00085	.000414	.00087	.000424	.98
30	18.0	-4.0		.94680	574.1	.00086	.000419	.00085	.000414	1.09
31	20.0	-4.0		.94680	573.5	.00091	.000444	.00090	.000439	1.12
32	20.0	-5.0		.94459	572.1	.00074	.000361	.00069	.000336	.85
33	20.0	-6.0		.94680	573.1	.00091	.000444	.00091	.000444	1.05
34	20.0	-7.0		.94846	574.1	.00091	.000444	.00100	.000487	1.17
35	20.0	-8.0		.94237	570.5	.00073	.000356			
36	20.0	-12.0		.94403	571.5	.00091	.000444			1.05
37	14.0	5.0		.94736	573.8	.00091	.000444	.00084	.000409	1.05
38	14.0	6.0		.94957	575.1	.00080	.000390			.91
39	32.0	8.0		.94846	574.8	.00092	.000448	.00092	.000448	.98
40	32.0	10.0		.94680	573.8	.00093	.000453	.00093	.000453	.93
41	32.0	12.0		.94403	572.5	.00092	.000448			1.00
43	50.0	-5.0		.92963	560.1	.00043	.000210			.49
44	50.0	.0		.95844	576.1	.00018	.000088			.21
45	50.0	6.0		.94292	569.8	.00090	.000439			1.02
46	58.0	.0		.95234	580.1	.00097	.000473			1.23
47	58.0	6.0		.94403	569.8	.00054	.000263			.62
48	58.0	12.0		.94736	575.1	.00086	.000419			.93
49	32.0	-7.0		.94791	574.1	.00091	.000444			1.17
50	32.0	-8.0		.94625	572.8	.00078	.000380			.90
51	32.0	-10.0		.94569	572.8	.00091	.000444			1.12
52	32.0	-12.0		.94514	572.1	.00074	.000361			.84
53	42.0	-7.0		.94846	574.8	.00091	.000444			1.17
54	42.0	-8.0		.94957	577.1	.00092	.000448			1.18
55	42.0	-9.0		.94846	574.5	.00076	.000370			.87
56	42.0	-10.0		.94736	573.8	.00080	.000390			1.01
57	42.0	-12.0		.94625	573.1	.00091	.000444			1.03
73	14.0	2.0		.94514	572.5	.00074	.000361			.91
77	20.0	-1.0		.95844	576.1	.00024	.000117			.31
78	20.0	-2.0		.95290	577.1	.00090	.000439	.00094	.000458	1.03
79	32.0	-4.0		.94957	575.8	.00091	.000444			1.17
81	32.0	4.0		.95678	579.8	.00090	.000439			1.02
82	32.0	6.0		.95013	576.1	.00091	.000444	.00090	.000439	.99
83	42.0	-5.0		.95123	578.8	.00093	.000453			1.19
84	42.0	-6.0		.94902	575.8	.00110	.000536			1.26
201	2.0	.0	.3	.93904	570.8	.00114	.000556			
202	6.0	.0	.8	.94957	575.8	.00091	.000444	.00092	.000448	
203	10.0	.9	.9	.95511	581.5	.00093	.000453			
204	14.0	.0	1.8	.94957	576.8	.00101	.000492	.00101	.000492	
205	18.0	2.1	1.0	.95678	580.8	.00109	.000531			
206	22.9	.0	2.0	.99002	596.1	.00034	.000166			
207	27.3	1.9	1.8	.96897	583.5	.00035	.000171			
208	27.3	-1.9	1.8	.96509	583.5	.00067	.000327			
209	35.0	4.2	2.0	.95844	582.1	.00085	.000414			
210	36.0	3.0	2.0	.98614	592.8	.00014	.000068			
213	10.0	.0	1.3	.94902	577.5	.00093	.000453	.00082	.000400	
214	10.0	-.9	.9	.95345	578.1	.00091	.000444			
215	18.0	.0	2.4	.95456	576.8	.00071	.000346	.00068	.000331	
216	18.0	-2.1	1.0	.95733	581.1	.00085	.000414			
217	23.8	.0	1.5	.99224	598.5	.00048	.000234			
218	27.2	.0	.6	.97506	589.1	.00052	.000253			
219	30.2	.0	2.0	.96287	584.8	.00097	.000473			
220	30.5	.0	2.9	.95788	584.8	.00169	.000824			
221	30.5	1.0	2.9	.96232	589.1	.00184	.000897			
222	33.0	.0	4.3	.93350	568.8	.00153	.000746			
223	35.0	.0	4.6	.94071	572.8	.00133	.000648			
224	35.0	-4.2	2.0	.93904	570.5	.00087	.000424			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

4. Engine Fairing; $\alpha = 0^{o}$ - Continued

(g) $M = 4.44$; $R = 4.54 \times 10^{6}$; $T_t = 682^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.92954	566.5	.00082	.000207			1.12
2	2.0	.0		.93284	568.8	.00093	.000235			1.21
3	2.0	12.0		.93064	569.1	.00126	.000318			.95
4	8.0	.0		.92844	565.8	.00094	.000237			.89
5	9.0	.0		.92844	565.1	.00093	.000235	.00081	.000204	.88
6	10.0	.0		.93229	568.1	.00093	.000235	.00109	.000275	1.19
7	11.0	.0		.92789	565.1	.00110	.000277			1.04
9	12.0	1.0		.93009	566.1	.00082	.000207	.00082	.000207	.77
10	12.0	3.0		.93119	567.5	.00093	.000235	.00090	.000227	.83
11	12.0	5.0		.93725	571.1	.00110	.000277			.96
12	14.0	4.0		.93284	568.5	.00108	.000272	.00114	.000288	1.00
13	14.0	1.0		.93780	571.1	.00111	.000280			1.42
15	14.0	-1.0		.93119	567.5	.00093	.000235			1.08
16	14.0	-2.0		.93119	566.8	.00100	.000252	.00111	.000280	1.09
17	13.0	-2.0		.92789	564.8	.00106	.000267			1.25
18	12.0	-3.0		.92899	566.5	.00097	.000245			1.14
19	14.0	-3.0		.92789	564.8	.00083	.000209	.00084	.000212	.98
20	14.0	-4.0		.92569	563.8	.00093	.000235	.00089	.000224	1.07
21	16.0	-4.0		.92734	564.8	.00093	.000235	.00093	.000235	.92
22	14.0	-6.0		.92624	564.5	.00083	.000209	.00081	.000204	.97
23	14.0	-8.0		.93064	566.1	.00080	.000202	.00081	.000204	1.01
24	14.0	-12.0		.93064	566.8	.00082	.000207			.99
25	16.0	-8.0		.92734	563.8	.00075	.000189	.00072	.000182	.95
26	18.0	-8.0		.93009	567.1	.00082	.000207	.00091	.000230	1.15
27	16.0	-2.0		.92899	565.8	.00108	.000272	.00104	.000262	1.27
29	20.0	-3.0		.93339	568.8	.00093	.000235	.00103	.000260	
30	18.0	-4.0		.92789	565.1	.00093	.000235	.00090	.000227	1.09
31	20.0	-4.0		.92844	565.5	.00093	.000235	.00088	.000222	1.08
32	20.0	-5.0		.92569	563.8	.00093	.000235	.00081	.000204	1.21
33	20.0	-6.0		.92899	566.1	.00082	.000207	.00087	.000219	1.01
34	20.0	-7.0		.93064	566.8	.00082	.000207	.00097	.000245	1.11
35	20.0	-8.0		.92404	562.8	.00082	.000207			
36	20.0	-12.0		.92624	564.1	.00082	.000207			.98
37	14.0	5.0		.92844	565.5	.00112	.000283	.00095	.000240	1.04
38	14.0	6.0		.93229	568.1	.00112	.000283			1.03
39	32.0	8.0		.93009	569.8	.00134	.000338	.00135	.000341	1.19
40	32.0	10.0		.92569	567.5	.00135	.000341	.00135	.000341	1.02
41	32.0	12.0		.92128	562.5	.00142	.000358			1.06
42	50.0	-8.0		.93119	567.8	.00116	.000293			1.51
43	50.0	-5.0		.90697	549.8	.00053	.000134			.62
45	50.0	6.0		.92073	561.5	.00118	.000298			1.05
46	58.0	.0		.92569	563.8	.00113	.000285			1.06
47	58.0	6.0		.92569	562.8	.00079	.000199			.64
48	58.0	12.0		.93009	570.5	.00135	.000341			.90
49	32.0	-7.0		.93064	566.5	.00101	.000255			1.10
50	32.0	-8.0		.92899	565.5	.00083	.000209			1.08
51	32.0	-10.0		.92899	565.1	.00080	.000202			.93
52	32.0	-12.0		.92789	564.5	.00080	.000202			1.01
53	42.0	-7.0		.93284	568.1	.00082	.000207			.99
54	42.0	-8.0		.93394	569.1	.00093	.000235			1.21
55	42.0	-9.0		.93229	569.5	.00098	.000247			1.24
56	42.0	-10.0		.93119	567.1	.00093	.000235			1.09
57	42.0	-12.0		.92954	566.5	.00082	.000207			.98
73	14.0	2.0		.92734	564.8	.00110	.000277			1.03
78	20.0	-2.0		.93339	568.8	.00093	.000235	.00094	.000237	.88
79	32.0	-4.0		.93284	568.5	.00114	.000288			1.34
81	32.0	4.0		.93835	572.1	.00114	.000288			1.09
82	32.0	6.0		.93339	569.1	.00118	.000298	.00117	.000295	.96
83	42.0	-5.0		.93504	573.1	.00133	.000335			1.73
84	42.0	-6.0		.93339	571.8	.00133	.000335			1.45
201	2.0	.0	.3	.91798	560.8	.00159	.000401			
203	10.0	.9	.9	.93009	568.1	.00149	.000376			
204	14.0	.0	1.8	.92018	561.8	.00151	.000381	.00151	.000381	
205	18.0	2.1	1.0	.92954	569.8	.00135	.000341			
206	22.9	.0	2.0	.97357	589.8	.00050	.000126			
207	27.3	1.9	1.8	.94495	572.8	.00047	.000119			
208	27.3	-1.9	1.8	.94770	575.8	.00077	.000194			
209	35.0	4.2	2.0	.92844	569.1	.00135	.000341			
213	10.0	.0	1.3	.92183	564.8	.00141	.000356	.00111	.000280	
214	10.0	-.9	.9	.92789	565.8	.00140	.000353			
215	18.0	.0	2.4	.92569	563.1	.00092	.000232	.00085	.000214	
216	18.0	-2.1	1.0	.93119	567.5	.00114	.000288			
217	23.8	.0	1.5	.97743	592.5	.00051	.000129			
218	27.2	.0	.6	.96091	584.1	.00078	.000197			
219	30.2	.0	2.0	.94660	579.5	.00130	.000328			
220	30.5	.0	2.9	.94275	577.5	.00206	.000520			
221	30.5	1.0	2.9	.94495	580.1	.00228	.000575			
222	33.0	.0	4.3	.90807	556.5	.00185	.000467			
223	35.0	.0	4.6	.91578	560.5	.00177	.000446			
224	35.0	-4.2	2.0	.90972	554.8	.00120	.000303			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

4. Engine Fairing; $\alpha = 0^{o}$ - Continued

(h) $M = 4.44$; $R = 3.14 \times 10^{6}$; $T_t = 689^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.92958	565.5	.00078	.000282			1.28
2	2.0	.0		.93398	568.5	.00060	.000217			.79
3	2.0	12.0		.93178	568.5	.00089	.000322			1.06
4	8.0	.0		.93013	565.8	.00060	.000217			.80
5	9.0	.0		.92958	565.8	.00078	.000282	.00072	.000260	1.08
6	10.0	.0		.93398	568.1	.00065	.000235	.00080	.000289	.92
7	11.0	.0		.92958	565.8	.00069	.000250			.97
9	12.0	1.0		.93178	566.8	.00063	.000228	.00063	.000228	.77
10	12.0	3.0		.93233	568.5	.00079	.000286	.00076	.000275	.88
11	12.0	5.0		.94003	572.8	.00088	.000318			.98
12	14.0	4.0		.93508	570.1	.00079	.000286	.00086	.000311	1.04
13	14.0	1.0		.94003	572.8	.00078	.000282			1.07
15	14.0	-1.0		.93288	567.1	.00062	.000224			.73
16	14.0	-2.0		.93343	567.8	.00066	.000239	.00079	.000286	.87
17	13.0	-2.0		.92958	565.5	.00078	.000282			1.08
18	12.0	-3.0		.93068	565.8	.00062	.000224			.89
19	14.0	-3.0		.92958	565.8	.00071	.000257	.00069	.000250	1.01
20	14.0	-4.0		.92683	563.5	.00063	.000228	.00059	.000213	.89
21	16.0	-4.0		.92903	564.8	.00054	.000195	.00054	.000195	.77
22	14.0	-6.0		.92738	563.8	.00056	.000203	.00054	.000195	.88
23	14.0	-8.0		.93178	566.5	.00054	.000195	.00055	.000199	.93
24	14.0	-12.0		.93178	566.5	.00077	.000278			1.15
25	16.0	-8.0		.92793	564.1	.00054	.000195	.00052	.000188	.78
26	18.0	-8.0		.93068	565.8	.00054	.000195	.00058	.000210	.81
27	16.0	-2.0		.93123	566.5	.00078	.000282	.00074	.000268	1.10
28	18.0	-2.0		.93838	571.1	.00063	.000228	.00068	.000246	.89
29	20.0	-3.0		.93618	569.5	.00060	.000217	.00073	.000264	.85
30	18.0	-4.0		.92958	565.1	.00057	.000206	.00054	.000195	.83
31	20.0	-4.0		.93013	565.5	.00060	.000217	.00054	.000195	.74
32	20.0	-5.0		.92683	563.5	.00063	.000228	.00051	.000184	1.03
33	20.0	-6.0		.93068	565.8	.00054	.000195	.00059	.000213	.89
34	20.0	-7.0		.93178	566.1	.00061	.000221	.00074	.000268	.88
35	20.0	-8.0		.92518	562.1	.00056	.000203			
36	20.0	-12.0		.92683	563.1	.00061	.000221			.80
37	14.0	5.0		.93013	566.1	.00079	.000286	.00067	.000242	.93
38	14.0	6.0		.93453	568.8	.00067	.000242			.74
39	32.0	8.0		.93233	568.1	.00081	.000293	.00081	.000293	.81
40	32.0	10.0		.92793	566.1	.00090	.000325	.00090	.000325	.87
41	32.0	12.0		.92353	563.5	.00090	.000325			.76
42	50.0	-8.0		.93178	569.1	.00085	.000307			1.39
43	50.0	-5.0		.91142	552.5	.00033	.000119			.43
44	50.0	.0		.94718	573.1	.00018	.000065			.25
45	50.0	6.0		.92353	562.5	.00074	.000268			.93
46	58.0	.0		.92793	566.8	.00079	.000286			.93
47	58.0	6.0		.92738	563.5	.00058	.000210			.59
48	58.0	12.0		.93123	568.5	.00090	.000325			.83
49	32.0	-7.0		.93178	566.5	.00062	.000224			.90
50	32.0	-8.0		.93068	565.8	.00057	.000206			.92
51	32.0	-10.0		.93068	565.5	.00058	.000210			.84
52	32.0	-12.0		.92903	564.8	.00077	.000278			1.01
53	42.0	-7.0		.93398	568.5	.00066	.000239			1.05
54	42.0	-8.0		.93563	570.1	.00078	.000282			1.03
55	42.0	-9.0		.93398	567.8	.00062	.000224			.82
56	42.0	-10.0		.93288	567.1	.00057	.000206			1.00
57	42.0	-12.0		.93123	565.8	.00062	.000224			1.02
73	14.0	2.0		.92848	566.5	.00080	.000289			1.05
78	20.0	-2.0		.93563	569.1	.00077	.000278	.00076	.000275	1.01
79	32.0	-4.0		.93453	569.8	.00079	.000286			1.04
81	32.0	4.0		.93948	573.1	.00079	.000286			1.05
82	32.0	6.0		.93563	570.1	.00088	.000318	.00087	.000315	1.11
83	42.0	-5.0		.93728	571.1	.00088	.000318			1.44
84	42.0	-6.0		.93398	569.5	.00078	.000282			1.26
201	2.0	.0	.3	.91858	560.5	.00109	.000394			
203	10.0	.9	.9	.93343	568.8	.00080	.000289			
204	14.0	.0	1.8	.92408	563.8	.00082	.000297	.00082	.000297	
205	18.0	2.1	1.0	.93288	568.8	.00101	.000365			
206	22.9	.0	2.0	.97249	589.1	.00039	.000141			
207	27.3	1.9	1.8	.94718	573.5	.00035	.000127			
208	27.3	-1.9	1.8	.94828	575.8	.00053	.000192			
209	35.0	4.2	2.0	.93288	569.8	.00080	.000289			
213	10.0	.0	1.3	.92573	564.1	.00074	.000268	.00057	.000206	
214	10.0	-.9	.9	.93123	567.1	.00074	.000268			
215	18.0	.0	2.4	.92903	564.5	.00060	.000217	.00053	.000192	
216	18.0	-2.1	1.0	.93563	569.5	.00072	.000260			
218	27.2	.0	.6	.95929	582.8	.00050	.000181			
219	30.2	.0	2.0	.94608	577.5	.00092	.000333			
220	30.5	.0	2.9	.94168	577.8	.00137	.000495			
221	30.5	1.0	2.9	.94498	579.8	.00147	.000532			
222	33.0	.0	4.3	.91197	557.8	.00115	.000416			
223	35.0	.0	4.6	.92078	563.1	.00074	.000268			
224	35.0	-4.2	2.0	.91527	558.5	.00081	.000293			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

4. Engine Fairing; $\alpha = 0^{\circ}$ - Concluded

(i) $M = 4.44$; $R = 2.11 \times 10^6$; $T_t = 688^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.92966	565.5	.00052	.000280			.96
2	2.0	.0		.93515	569.1	.00064	.000345			.78
3	2.0	12.0		.93350	568.5	.00070	.000377			1.01
4	8.0	.0		.93240	566.8	.00058	.000313			1.09
5	9.0	.0		.93240	566.8	.00056	.000302	.00052	.000280	.85
6	10.0	.0		.93460	568.1	.00057	.000307	.00064	.000345	.97
7	11.0	.0		.93295	567.1	.00052	.000280			.98
9	12.0	1.0		.93515	568.5	.00061	.000329	.00061	.000329	.92
10	12.0	3.0		.93570	569.1	.00064	.000345	.00060	.000323	1.12
11	12.0	5.0		.94449	574.1	.00057	.000307			1.02
12	14.0	4.0		.93900	570.8	.00051	.000275	.00058	.000313	.96
13	14.0	1.0		.94284	573.1	.00051	.000275			.86
15	14.0	-1.0		.93625	568.8	.00051	.000275			.78
17	13.0	-2.0		.93295	566.8	.00052	.000280			.98
23	14.0	-8.0		.93460	567.8	.00052	.000280	.00053	.000286	1.02
28	18.0	-2.0		.93900	570.8	.00059	.000318	.00062	.000334	1.09
29	20.0	-3.0		.93955	570.8	.00051	.000275	.00064	.000345	.93
30	18.0	-4.0		.93240	566.8	.00052	.000280	.00050	.000269	.98
34	20.0	-7.0		.93570	568.1	.00039	.000210			.74
35	20.0	-8.0		.92801	563.5	.00052	.000280			
36	20.0	-12.0		.93021	564.8	.00051	.000275			1.04
37	14.0	5.0		.93350	567.5	.00060	.000323			.91
38	14.0	6.0		.93845	570.5	.00054	.000291			1.00
39	32.0	8.0		.93625	569.8	.00070	.000377	.00071	.000383	.86
40	32.0	10.0		.93240	567.1	.00063	.000340	.00063	.000340	.98
41	32.0	12.0		.92801	564.5	.00065	.000350			.79
43	50.0	-5.0		.91757	556.1	.00032	.000172			.55
45	50.0	6.0		.92691	563.8	.00056	.000302			.85
46	58.0	.0		.92911	565.5	.00056	.000302			1.06
47	42.0	-12.0		.93460	567.8	.00049	.000264			.86
48	58.0	12.0		.93405	568.8	.00073	.000393			.90
49	32.0	-7.0		.93515	568.1	.00051	.000275			.96
50	32.0	-8.0		.93405	567.5	.00051	.000275			.96
51	32.0	-10.0		.93405	567.5	.00051	.000275			
52	32.0	-12.0		.93295	566.5	.00051	.000275			.98
53	42.0	-7.0		.93680	569.5	.00057	.000307			1.08
54	42.0	-8.0		.93900	570.8	.00051	.000275			
55	42.0	-9.0		.93735	569.5	.00054	.000291			1.02
56	42.0	-10.0		.93625	568.8	.00053	.000286			1.04
73	14.0	2.0		.93185	566.5	.00053	.000286			.65
78	20.0	-2.0		.93845	570.5	.00061	.000329	.00060	.000323	1.15
81	32.0	4.0		.94175	572.8	.00060	.000323			.91
82	32.0	6.0		.93955	571.5	.00066	.000356	.00066	.000356	.81
83	42.0	-5.0		.94010	572.1	.00064	.000345			.79
84	42.0	-6.0		.93625	569.8	.00064	.000345			1.21
201	2.0	.0	.3	.92306	562.8	.00090	.000485			
203	10.0	.9	.9	.93735	570.8	.00072	.000388			
204	14.0	.0	1.8	.93021	566.8	.00073	.000393	.00073	.000393	
205	18.0	2.1	1.0	.93735	570.8	.00072	.000388			
206	22.9	.0	2.0	.97252	589.5	.00031	.000167			
208	27.3	-1.9	1.8	.94944	576.5	.00048	.000259			
209	35.0	4.2	2.0	.93790	572.1	.00079	.000426			
213	10.0	.0	1.3	.92966	565.8	.00071	.000383			
214	10.0	-.9	.9	.93570	569.1	.00056	.000302			
215	18.0	.0	2.4	.93515	568.1	.00051	.000275			
216	18.0	-2.1	1.0	.94065	572.1	.00066	.000356			
217	23.8	.0	1.5	.97472	591.1	.00033	.000178			
219	30.2	.0	2.0	.94834	577.8	.00078	.000420			
220	30.5	.0	2.9	.94394	579.1	.00129	.000695			
221	30.5	1.0	2.9	.94779	580.5	.00145	.000782			
222	33.0	.0	4.3	.91812	559.8	.00109	.000587			
223	35.0	.0	4.6	.92691	565.1	.00086	.000464			
224	35.0	-4.2	2.0	.92306	561.5	.00079	.000426			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

5. Engine Fairing; $\alpha = 5^{\circ}$

(a) $M = 2.65$; $R = 3.86 \times 10^6$; $T_t = 718^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95164	589.8	.00315	.000448			1.01
3	2.0	12.0		.95713	592.1	.00277	.000394			.93
4	8.0	.0		.95164	589.1	.00302	.000430			.98
5	9.0	.0		.95109	588.8	.00304	.000433	.00301	.000428	.92
6	10.0	.0		.95274	589.8	.00301	.000428	.00305	.000434	.99
7	11.0	.0		.95109	588.8	.00305	.000434	.00306	.000435	.92
8	11.5	.0		.94999	588.1	.00302	.000430	.00313	.000445	1.00
9	12.0	1.0		.95109	588.8	.00300	.000427	.00300	.000427	.99
10	12.0	3.0		.95109	588.8	.00305	.000434	.00305	.000434	.92
11	12.0	5.0		.95164	591.1	.00298	.000424			.90
12	14.0	4.0		.95164	588.8	.00299	.000426	.00299	.000426	.99
13	14.0	1.0		.95329	590.8	.00336	.000478	.00338	.000481	1.09
14	14.0	.0		.95329	590.1	.00306	.000435	.00305	.000434	.98
15	14.0	-1.0		.95274	589.8	.00306	.000435	.00310	.000441	.92
16	14.0	-2.0		.94944	587.8	.00305	.000434	.00298	.000424	.99
17	13.0	-2.0		.94999	588.5	.00310	.000441			1.02
18	12.0	-3.0		.95109	589.1	.00315	.000448			1.00
19	14.0	-3.0		.95054	588.8	.00310	.000441	.00313	.000445	.98
20	14.0	-4.0		.94889	588.1	.00318	.000453	.00317	.000451	1.02
21	16.0	-4.0		.94944	588.1	.00309	.000440	.00309	.000440	.93
22	14.0	-6.0		.94944	588.8	.00324	.000461	.00324	.000461	1.01
23	14.0	-8.0		.95109	589.5	.00318	.000453	.00318	.000453	1.00
24	14.0	-12.0		.94944	588.8	.00324	.000461			.96
25	16.0	-8.0		.94889	588.1	.00319	.000454	.00318	.000453	.99
26	18.0	-8.0		.94889	588.1	.00319	.000454	.00320	.000455	1.00
27	16.0	-2.0		.95109	589.1	.00335	.000477	.00333	.000474	1.08
28	18.0	-2.0		.95823	593.8	.00334	.000475	.00338	.000481	1.07
29	20.0	-3.0		.95219	590.1	.00317	.000451	.00313	.000445	1.02
30	18.0	-4.0		.94889	587.8	.00315	.000448	.00311	.000443	1.02
31	20.0	-4.0		.95109	589.8	.00319	.000454	.00322	.000458	1.02
32	20.0	-5.0		.94779	587.8	.00320	.000455	.00315	.000448	1.02
33	20.0	-6.0		.94889	588.1	.00319	.000454	.00319	.000454	1.01
34	20.0	-7.0		.94999	588.5	.00317	.000451	.00320	.000455	1.00
35	20.0	-8.0		.94724	587.1	.00319	.000454			
36	20.0	-12.0		.94944	588.8	.00328	.000467			1.06
37	14.0	5.0		.95109	588.8	.00300	.000427	.00300	.000427	1.03
38	14.0	6.0		.95109	588.8	.00299	.000426			
39	32.0	8.0		.95329	590.8	.00315	.000448	.00315	.000448	1.03
40	32.0	10.0		.95109	589.8	.00319	.000454	.00319	.000454	1.01
41	32.0	12.0		.94999	588.8	.00314	.000447			1.03
43	50.0	-5.0		.93240	568.8	.00104	.000148			.33
44	50.0	.0		.93790	569.5	.00056	.000080			.17
45	50.0	6.0		.94944	588.1	.00317	.000451			1.05
46	58.0	.0		.93075	577.1	.00326	.000464			1.11
47	58.0	6.0		.94065	579.5	.00245	.000349			.77
48	58.0	12.0		.95109	589.8	.00317	.000451			1.01
49	32.0	-7.0		.95383	592.1	.00340	.000484			1.03
50	32.0	-8.0		.95164	590.8	.00346	.000492			1.07
51	32.0	-10.0		.94944	589.8	.00352	.000501			1.04
52	32.0	-12.0		.94834	588.8	.00342	.000487			1.01
53	42.0	-7.0		.95823	595.1	.00348	.000495			1.08
55	42.0	-9.0		.95658	593.8	.00342	.000487			1.04
56	42.0	-10.0		.95493	593.1	.00348	.000495			1.08
73	14.0	2.0		.95438	590.1	.00267	.000380			.86
75	18.0	.0		.95988	593.8	.00294	.000418			.96
76	20.0	.0		.96483	591.1	.00191	.000272			.63
77	20.0	-1.0		.95658	592.8	.00311	.000443	.00319	.000454	.98
78	20.0	-2.0		.95329	591.1	.00322	.000458	.00320	.000455	1.02
79	32.0	-4.0		.95823	594.8	.00344	.000490			1.09
80	32.0	-5.0		.95219	591.1	.00333	.000474			1.03
81	32.0	4.0		.95383	590.8	.00303	.000431			1.00
82	32.0	6.0		.95383	591.1	.00311	.000443	.00311	.000443	.94
83	42.0	-5.0		.96318	589.5	.00121	.000172			.38
84	42.0	-6.0		.95603	596.1	.00422	.000601			
201	2.0	.0	.3	.95164	594.8	.00466	.000663			
202	6.0	.0	.8	.95109	592.5	.00384	.000546	.00384	.000546	
203	10.0	.9	.9	.95274	597.1	.00323	.000460			
204	14.0	.0	1.8	.94504	595.1	.00373	.000531	.00374	.000532	
205	18.0	2.1	1.0	.95548	592.1	.00316	.000450			
206	22.9	.0	2.0	.98186	602.8	.00207	.000295			
207	27.3	1.9	1.8	.96483	601.8	.00282	.000401			
208	27.3	-1.9	1.8	.96153	589.5	.00193	.000275			
209	35.0	4.2	2.0	.93845	585.5	.00324	.000461			
211	36.0	.0	2.0	.96812	588.1	.00056	.000080			
212	36.0	-3.0	2.0	.96592	587.5	.00061	.000087			
213	10.0	.0	1.3	.94724	590.1	.00385	.000548	.00379	.000539	
214	10.0	-.9	.9	.94889	597.1	.00370	.000527			
215	18.0	.0	2.4	.95109	585.1	.00241	.000343	.00233	.000332	
216	18.0	-2.1	1.0	.95109	593.8	.00427	.000608			
217	23.8	.0	1.5	.98186	603.5	.00201	.000286			
218	27.2	.0	.6	.96867	600.8	.00228	.000324			
219	30.2	.0	2.0	.96373	601.1	.00419	.000596			
220	30.5	.0	2.9	.96373	607.1	.00582	.000828			
221	30.5	1.0	2.9	.96428	607.8	.00584	.000831			
222	33.0	.0	4.3	.93350	591.1	.00520	.000740			
223	35.0	.0	4.6	.93735	592.5	.00486	.000692			
224	35.0	-4.2	2.0	.94284	589.1	.00434	.000618			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

5. Engine Fairing; $\alpha = 5^{o}$ - Continued

(b) M = 2.65; R = 2.49 × 10^6; $T_t = 717^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.96068	588.1	.00232	.000512			.95
3	2.0	12.0		.96621	590.8	.00199	.000439			1.00
4	8.0	.0		.95901	586.8	.00208	.000459			.93
5	9.0	.0		.95846	588.1	.00216	.000477	.00213	.000470	.96
6	10.0	.0		.96012	589.1	.00215	.000474	.00219	.000483	.96
7	11.0	.0		.95846	588.1	.00216	.000477	.00217	.000479	.98
8	11.5	.0		.95735	587.5	.00216	.000477	.00214	.000472	.97
9	12.0	1.0		.95846	588.1	.00216	.000477	.00216	.000477	.97
10	12.0	3.0		.95901	586.5	.00208	.000459	.00208	.000459	.92
11	12.0	5.0		.95901	586.5	.00207	.000457			1.01
12	14.0	4.0		.95957	586.8	.00202	.000446	.00202	.000446	.90
13	14.0	1.0		.96068	588.1	.00232	.000512	.00234	.000516	1.04
14	14.0	.0		.96068	587.8	.00231	.000510	.00231	.000510	1.04
15	14.0	-1.0		.96012	587.5	.00208	.000459	.00212	.000468	.92
16	14.0	-2.0		.95680	587.1	.00216	.000477	.00209	.000461	.97
17	13.0	-2.0		.95735	587.5	.00216	.000477			.99
18	12.0	-3.0		.95846	586.5	.00231	.000510			1.01
19	14.0	-3.0		.95791	586.1	.00232	.000512	.00227	.000501	1.01
20	14.0	-4.0		.95625	585.1	.00212	.000468	.00210	.000463	.92
21	16.0	-4.0		.95680	585.5	.00232	.000512	.00232	.000512	1.04
22	14.0	-6.0		.95680	586.1	.00235	.000518	.00235	.000518	1.01
23	14.0	-8.0		.95846	586.8	.00232	.000512	.00232	.000512	1.00
24	14.0	-12.0		.95735	586.1	.00227	.000501			.93
25	16.0	-8.0		.95625	585.5	.00217	.000479	.00216	.000477	.92
26	18.0	-8.0		.95569	585.5	.00218	.000481	.00218	.000481	.94
27	16.0	-2.0		.95846	586.5	.00232	.000512	.00230	.000507	1.02
28	18.0	-2.0		.96511	591.1	.00219	.000483	.00223	.000492	.96
29	20.0	-3.0		.95901	587.1	.00230	.000507	.00225	.000496	1.04
30	18.0	-4.0		.95569	584.8	.00214	.000472	.00210	.000463	.96
31	20.0	-4.0		.95791	586.8	.00233	.000514	.00229	.000505	1.04
32	20.0	-5.0		.95514	584.8	.00229	.000505	.00223	.000492	1.01
33	20.0	-6.0		.95625	585.5	.00233	.000514	.00234	.000516	1.02
34	20.0	-7.0		.95735	585.8	.00216	.000477	.00225	.000496	.94
35	20.0	-8.0		.95458	584.5	.00217	.000479			
36	20.0	-12.0		.95680	586.1	.00236	.000521			1.00
37	14.0	5.0		.95901	588.5	.00216	.000477	.00217	.000479	.96
38	14.0	6.0		.95901	586.5	.00206	.000455			.92
39	32.0	8.0		.96068	587.8	.00212	.000468	.00212	.000468	1.00
40	32.0	10.0		.95846	586.8	.00233	.000514	.00233	.000514	1.04
41	32.0	12.0		.95735	586.1	.00233	.000514			1.02
43	50.0	-5.0		.94129	569.1	.00076	.000168			.33
44	50.0	.0		.94960	572.1	.00034	.000075			.16
45	50.0	6.0		.95569	585.1	.00215	.000474			.98
46	58.0	.0		.94129	576.8	.00237	.000523			1.04
47	58.0	6.0		.94905	578.1	.00165	.000364			.75
48	58.0	12.0		.95846	588.8	.00217	.000479			.94
49	32.0	-7.0		.96012	588.5	.00235	.000518			.95
50	32.0	-8.0		.95791	587.5	.00241	.000532			1.03
51	32.0	-10.0		.95625	586.5	.00241	.000532			1.00
52	32.0	-12.0		.95514	585.8	.00241	.000532			1.00
53	42.0	-7.0		.94555	591.5	.00241	.000532			1.03
55	42.0	-9.0		.96289	590.1	.00239	.000527			1.02
56	42.0	-10.0		.96123	589.5	.00241	.000532			1.03
73	14.0	2.0		.96123	587.5	.00182	.000402			.85
75	18.0	.0		.96566	590.5	.00195	.000430			.89
76	20.0	.0		.97286	590.1	.00108	.000238			.51
77	20.0	-1.0		.96400	590.1	.00214	.000472	.00219	.000483	.96
78	20.0	-2.0		.96012	587.8	.00227	.000501	.00225	.000496	1.00
79	32.0	-4.0		.96455	591.1	.00232	.000512			1.01
80	32.0	-5.0		.95791	587.1	.00232	.000512			1.00
81	32.0	4.0		.96178	590.1	.00215	.000474			1.05
82	32.0	6.0		.96123	590.1	.00216	.000477	.00216	.000477	1.02
83	42.0	-5.0		.97231	587.5	.00074	.000163			.32
84	42.0	-6.0		.96345	592.8	.00272	.000600			
201	2.0	.0	.3	.95791	590.1	.00307	.000677			
202	6.0	.0	.8	.96123	593.1	.00258	.000569	.00258	.000569	
203	10.0	.9	.9	.96400	596.8	.00216	.000477			
204	14.0	.0	1.8	.95625	590.8	.00274	.000605	.00274	.000605	
205	18.0	2.1	1.0	.96677	593.8	.00215	.000474			
206	22.9	.0	2.0	.99335	604.1	.00126	.000278			
207	27.3	1.9	1.8	.97286	596.8	.00200	.000441			
208	27.3	-1.9	1.8	.97286	591.8	.00125	.000276			
209	35.0	4.2	2.0	.95126	583.1	.00236	.000521			
211	36.0	.0	2.0	.98117	591.5	.00033	.000073			
212	36.0	-3.0	2.0	.97950	590.5	.00034	.000075			
213	10.0	.0	1.3	.95846	589.1	.00257	.000567	.00252	.000556	
214	10.0	-.9	.9	.95901	590.1	.00276	.000609			
215	18.0	.0	2.4	.96178	585.5	.00172	.000379	.00165	.000364	
216	18.0	-2.1	1.0	.96123	596.1	.00264	.000582			
217	23.8	.0	1.5	.99335	603.8	.00130	.000287			
218	27.2	.0	.6	.97895	597.8	.00161	.000355			
219	30.2	.0	2.0	.97120	602.5	.00279	.000616			
220	30.5	.0	2.9	.96954	608.1	.00384	.000847			
221	30.5	1.0	2.9	.97120	606.5	.00399	.000880			
222	33.0	.0	4.3	.94406	585.1	.00368	.000812			
223	35.0	.0	4.6	.94849	589.5	.00323	.000713			
224	35.0	-4.2	2.0	.95403	589.8	.00275	.000607			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

5. Engine Fairing; $\alpha = 5^{\circ}$ - Continued

(c) M = 2.65; $R = 1.25 \times 10^6$; $T_t = 717^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}R$	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.96138	589.1	.00127	.000561			.99
3	2.0	12.0		.96690	589.8	.00126	.000556			1.14
4	8.0	.0		.96083	585.8	.00127	.000561			1.00
5	9.0	.0		.95972	585.5	.00120	.000530	.00115	.000508	.94
6	10.0	.0		.96028	586.8	.00120	.000530	.00121	.000534	.94
7	11.0	.0		.96028	586.5	.00120	.000530	.00126	.000556	.94
8	11.5	.0		.95807	584.5	.00120	.000530	.00113	.000499	.94
9	12.0	1.0		.96028	587.8	.00127	.000561	.00127	.000561	.99
10	12.0	3.0		.96028	587.8	.00127	.000561	.00127	.000561	1.06
11	12.0	5.0		.96083	585.5	.00109	.000481			.91
12	14.0	4.0		.96083	585.8	.00126	.000556	.00126	.000556	1.05
13	14.0	1.0		.96248	588.1	.00120	.000530	.00122	.000539	1.03
14	14.0	.0		.96248	589.5	.00127	.000561	.00128	.000565	1.00
15	14.0	-1.0		.96248	588.1	.00117	.000516	.00124	.000547	.91
16	14.0	-2.0		.95917	585.8	.00120	.000530	.00113	.000499	.94
17	13.0	-2.0		.95972	586.1	.00120	.000530			1.00
18	12.0	-3.0		.96083	588.1	.00127	.000561			1.00
19	14.0	-3.0		.96028	586.5	.00126	.000556	.00123	.000543	.98
20	14.0	-4.0		.95807	586.8	.00128	.000565	.00126	.000556	1.00
21	16.0	-4.0		.95862	584.8	.00127	.000561	.00127	.000561	.99
22	14.0	-6.0		.95917	585.5	.00134	.000592	.00134	.000592	1.05
23	14.0	-8.0		.96138	588.5	.00127	.000561	.00127	.000561	.99
24	14.0	-12.0		.95917	587.5	.00128	.000565			1.00
25	16.0	-8.0		.95807	584.8	.00128	.000565	.00120	.000530	1.00
26	18.0	-8.0		.96138	588.5	.00127	.000561	.00129	.000569	1.05
27	16.0	-2.0		.96028	588.1	.00127	.000561	.00125	.000552	.99
28	18.0	-2.0		.96690	589.8	.00126	.000556	.00131	.000578	1.04
29	20.0	-3.0		.96138	586.5	.00127	.000561	.00124	.000547	.95
30	18.0	-4.0		.95862	586.8	.00127	.000561	.00124	.000547	.99
31	20.0	-4.0		.96083	588.5	.00127	.000561	.00130	.000574	.99
32	20.0	-5.0		.95752	586.5	.00128	.000565	.00122	.000539	.99
33	20.0	-6.0		.95917	586.1	.00120	.000530	.00121	.000534	.94
34	20.0	-7.0		.95972	585.1	.00127	.000561	.00132	.000583	.99
35	20.0	-8.0		.95697	585.8	.00127	.000561			
36	20.0	-12.0		.95862	585.1	.00135	.000596			1.05
37	14.0	5.0		.96083	585.8	.00117	.000516	.00117	.000516	.98
38	14.0	6.0		.96028	586.5	.00120	.000530			1.06
39	32.0	8.0		.96193	589.1	.00127	.000561	.00127	.000561	1.06
40	32.0	10.0		.96028	588.1	.00127	.000561	.00127	.000561	.99
41	32.0	12.0		.95917	587.5	.00128	.000565			1.00
43	50.0	-5.0		.94649	572.5	.00035	.000154			.27
44	50.0	.0		.95586	577.1	.00021	.000093			.17
45	50.0	6.0		.95641	585.5	.00127	.000561			1.06
46	58.0	.0		.95035	580.1	.00132	.000583			1.09
47	58.0	6.0		.95200	578.8	.00084	.000371			.66
48	58.0	12.0		.96083	588.5	.00127	.000561			.95
49	32.0	-7.0		.96193	587.5	.00135	.000596			1.03
50	32.0	-8.0		.96028	586.5	.00136	.000600			1.00
51	32.0	-10.0		.95862	585.5	.00140	.000618			1.03
52	32.0	-12.0		.95807	584.8	.00133	.000587			.98
53	42.0	-7.0		.96634	590.1	.00136	.000600			1.05
55	42.0	-9.0		.96469	589.1	.00134	.000592			1.00
56	42.0	-10.0		.96359	588.5	.00138	.000609			1.03
73	14.0	2.0		.96248	588.1	.00093	.000411			.73
75	18.0	.0		.96800	589.8	.00097	.000428			.76
76	20.0	.0		.97572	590.5	.00040	.000177			.33
77	20.0	-1.0		.96579	590.1	.00120	.000530	.00121	.000534	.99
78	20.0	-2.0		.96138	586.8	.00133	.000587	.00124	.000547	1.10
79	32.0	-4.0		.96524	589.5	.00137	.000605			1.06
80	32.0	-5.0		.95972	588.1	.00128	.000565			.94
81	32.0	4.0		.96359	588.8	.00120	.000530			1.00
82	32.0	6.0		.96303	587.1	.00114	.000503	.00114	.000503	.94
83	42.0	-5.0		.97462	589.8	.00049	.000216			.38
84	42.0	-6.0		.96690	591.5	.00164	.000724			
201	2.0	.0	.3	.95917	587.1	.00168	.000742			
202	6.0	.0	.8	.96855	595.5	.00132	.000583	.00121	.000534	
203	10.0	.9	.9	.97241	595.1	.00132	.000583			
204	14.0	.0	1.8	.96745	591.8	.00138	.000609	.00138	.000609	
205	18.0	2.1	1.0	.97572	595.1	.00125	.000552			
206	22.9	.0	2.0	1.00220	607.8	.00063	.000278			
207	27.3	1.9	1.8	.97958	596.8	.00102	.000450			
208	27.3	-1.9	1.8	.98400	596.1	.00064	.000283			
209	35.0	4.2	2.0	.96359	587.8	.00127	.000561			
211	36.0	.0	2.0	.98620	596.1	.00021	.000093			
212	36.0	-3.0	2.0	.98620	596.1	.00026	.000115			
213	10.0	.0	1.3	.96800	591.8	.00135	.000596	.00132	.000583	
214	10.0	-.9	.9	.96800	591.8	.00137	.000605			
215	18.0	.0	2.4	.97186	591.1	.00098	.000433	.00095	.000419	
216	18.0	-2.1	1.0	.97076	593.8	.00141	.000622			
217	23.8	.0	1.5	1.00220	608.1	.00067	.000296			
218	27.2	.0	.6	.98565	599.1	.00086	.000380			
219	30.2	.0	2.0	.97738	600.8	.00154	.000680			
220	30.5	.0	2.9	.97462	602.1	.00238	.001051			
221	30.5	1.0	2.9	.97572	603.1	.00239	.001055			
222	33.0	.0	4.3	.95586	588.8	.00189	.000834			
223	35.0	.0	4.6	.96028	591.1	.00188	.000830			
224	35.0	-4.2	2.0	.96690	591.5	.00140	.000618			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in $Btu/ft^2\text{-}sec\text{-}^{\circ}R$.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

5. Engine Fairing; $\alpha = 5^{o}$ - Continued

(d) $M = 3.51$; $R = 3.94 \times 10^{6}$; $T_t = 714^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94533	572.5	.00187	.000366			1.07
2	2.0	.0		.94812	574.1	.00164	.000321			.95
3	2.0	12.0		.94868	575.5	.00188	.000368			.96
4	6.0	.0		.94310	571.1	.00187	.000366			1.06
5	9.0	.0		.94310	571.1	.00187	.000366	.00182	.000356	.98
6	10.0	.0		.94812	574.1	.00186	.000364	.00191	.000374	.97
7	11.0	.0		.94310	571.1	.00171	.000335	.00169	.000331	.90
8	11.5	.0		.94087	569.8	.00187	.000366	.00184	.000360	.98
9	12.0	1.0		.94477	572.1	.00187	.000366	.00187	.000366	.99
10	12.0	3.0		.94589	573.1	.00188	.000368	.00187	.000366	.97
11	12.0	5.0		.94868	574.8	.00181	.000354			.92
12	14.0	4.0		.94700	573.8	.00187	.000366	.00191	.000374	.98
13	14.0	1.0		.95314	577.1	.00185	.000362	.00196	.000384	.97
14	14.0	.0		.94366	571.5	.00187	.000366	.00179	.000350	.98
15	14.0	-1.0		.94254	570.5	.00169	.000331	.00166	.000325	.97
16	14.0	-2.0		.94366	570.8	.00168	.000329	.00171	.000335	.96
17	13.0	-2.0		.94198	570.5	.00171	.000335			.90
18	12.0	-3.0		.94254	570.5	.00187	.000366			.98
19	14.0	-3.0		.94143	570.1	.00187	.000366	.00187	.000366	1.04
20	14.0	-4.0		.94031	569.5	.00188	.000368	.00187	.000366	1.06
21	16.0	-4.0		.94087	569.5	.00167	.000327	.00167	.000327	.95
22	14.0	-6.0		.94031	569.1	.00173	.000339	.00172	.000337	.98
23	14.0	-8.0		.94310	570.8	.00168	.000329	.00168	.000329	.88
24	14.0	-12.0		.94421	571.8	.00176	.000345			.93
25	16.0	-8.0		.94031	569.1	.00169	.000331	.00168	.000329	.88
26	18.0	-8.0		.94031	569.1	.00169	.000331	.00170	.000333	.98
27	16.0	-2.0		.94198	570.5	.00175	.000343	.00173	.000339	.97
28	18.0	-2.0		.94589	573.1	.00189	.000370	.00190	.000372	.98
29	20.0	-3.0		.94533	572.5	.00185	.000362	.00187	.000366	.96
30	18.0	-4.0		.94087	569.8	.00188	.000368	.00187	.000366	1.09
31	20.0	-4.0		.94198	570.5	.00187	.000366	.00186	.000364	.98
32	20.0	-5.0		.93975	568.8	.00169	.000331	.00164	.000321	.97
33	20.0	-6.0		.94143	569.8	.00166	.000325	.00166	.000325	.97
34	20.0	-7.0		.94310	570.8	.00186	.000364	.00194	.000380	1.06
35	20.0	-8.0		.93696	567.5	.00188	.000368			
36	20.0	-12.0		.93919	568.8	.00185	.000362			.97
37	14.0	5.0		.94254	571.1	.00185	.000362	.00181	.000354	.94
38	14.0	6.0		.94477	572.8	.00191	.000374			.96
39	32.0	8.0		.94254	573.8	.00208	.000407	.00208	.000407	.99
40	32.0	10.0		.94087	573.1	.00209	.000409	.00209	.000409	1.01
41	32.0	12.0		.93919	571.8	.00208	.000407			.97
43	50.0	-5.0		.92804	555.8	.00050	.000098			.26
44	50.0	.0		.94533	564.8	.00025	.000049			.13
45	50.0	6.0		.94645	574.1	.00193	.000378			.97
46	58.0	.0		.92469	560.8	.00198	.000388			1.08
47	58.0	6.0		.93752	566.5	.00150	.000294			.75
48	58.0	12.0		.94310	573.1	.00220	.000431			.96
49	32.0	-7.0		.94477	572.8	.00193	.000378			1.03
50	32.0	-8.0		.94254	571.5	.00193	.000378			1.08
51	32.0	-10.0		.94143	570.8	.00192	.000376			1.03
52	32.0	-12.0		.94031	569.8	.00191	.000374			.99
53	42.0	-7.0		.94812	576.5	.00226	.000443			1.25
54	42.0	-8.0		.94923	575.5	.00196	.000384			1.04
55	42.0	-9.0		.94589	573.8	.00198	.000388			1.10
56	42.0	-10.0		.94477	572.8	.00190	.000372			1.02
57	42.0	-12.0		.94310	572.1	.00193	.000378			1.07
73	14.0	2.0		.94477	571.5	.00152	.000298			.80
74	16.0	.0		.94477	572.8	.00188	.000368	.00188	.000368	
75	18.0	.0		.94868	575.5	.00169	.000331	.00170	.000333	.93
76	20.0	.0		.95537	573.5	.00076	.000149			.40
77	20.0	-1.0		.94700	573.8	.00179	.000350	.00180	.000352	.93
78	24.0	-2.0		.94700	573.8	.00186	.000364	.00188	.000368	1.03
79	32.0	-4.0		.94868	577.8	.00207	.000405			1.08
81	32.0	4.0		.95035	575.8	.00185	.000362			.96
82	32.0	6.0		.94421	572.8	.00194	.000380	.00193	.000378	.97
83	42.0	-5.0		.96095	576.1	.00066	.000129			.35
84	42.0	-6.0		.94645	578.5	.00246	.000482			1.31
201	2.0	.0	.3	.93641	571.1	.00264	.000517			
202	6.0	.0	.8	.93919	574.1	.00233	.000456	.00248	.000486	
203	10.0	.9	.9	.94533	576.8	.00221	.000433			
204	14.0	.0	1.8	.93306	570.8	.00250	.000490	.00250	.000490	
205	18.0	2.1	1.0	.94700	576.5	.00195	.000382			
206	22.9	.0	2.0	.97936	591.8	.00113	.000221			
207	27.3	1.9	1.8	.95928	581.1	.00169	.000331			
208	27.3	-1.9	1.8	.95704	575.1	.00096	.000188			
209	35.0	4.2	2.0	.93362	566.5	.00208	.000407			
211	36.0	.0	2.0	.97824	584.8	.00026	.000051			
212	36.0	-3.0	2.0	.97489	582.5	.00022	.000043			
213	10.0	.0	1.3	.93529	569.1	.00246	.000482	.00235	.000460	
214	10.0	-.9	.9	.93864	571.5	.00227	.000444			
215	18.0	.0	2.4	.93808	566.5	.00160	.000313	.00153	.000300	
216	18.0	-2.1	1.0	.94087	575.1	.00247	.000484			
217	23.8	.0	1.5	.98326	592.5	.00117	.000229			
218	27.2	.0	.6	.96932	585.1	.00125	.000245			
219	30.2	.0	2.0	.95426	581.1	.00258	.000505			
220	30.5	.0	2.9	.95035	588.8	.00342	.000670			
221	30.5	1.0	2.9	.95593	589.8	.00350	.000685			
222	33.0	.0	4.3	.91744	563.5	.00354	.000693			
223	35.0	.0	4.6	.92413	566.5	.00330	.000646			
224	35.0	-4.2	2.0	.92860	566.5	.00268	.000525			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

5. Engine Fairing; $\alpha = 5^{o}$ - Continued

(e) $M = 3.51$; $R = 2.82 \times 10^{6}$; $T_t = 712^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94976	572.8	.00136	.000373			1.05
2	2.0	.0		.95311	574.8	.00135	.000370			1.09
3	2.0	12.0		.95367	576.1	.00153	.000420			1.12
4	8.0	.0		.94753	571.8	.00128	.000351			.98
5	9.0	.0		.94753	571.5	.00136	.000373	.00130	.000357	1.01
6	10.0	.0		.95256	574.8	.00127	.000348	.00139	.000381	.95
7	11.0	.0		.94753	571.5	.00130	.000357	.00128	.000351	.98
8	11.5	.0		.94530	570.1	.00126	.000346	.00123	.000337	.91
9	12.0	1.0		.94921	572.8	.00131	.000359	.00131	.000359	.85
10	12.0	3.0		.94976	573.5	.00132	.000362	.00132	.000362	.85
11	12.0	5.0		.95311	575.5	.00152	.000417			.98
12	14.0	4.0		.95144	575.5	.00136	.000373	.00139	.000381	.88
13	14.0	1.0		.95702	577.1	.00118	.000324	.00135	.000370	.87
14	14.0	.0		.94865	572.1	.00130	.000357	.00122	.000335	1.02
15	14.0	-1.0		.94753	571.5	.00131	.000359	.00129	.000354	.98
16	14.0	-2.0		.94865	573.1	.00125	.000343	.00129	.000354	.95
17	13.0	-2.0		.94697	571.1	.00128	.000351			.98
18	12.0	-3.0		.94697	571.1	.00124	.000340			.95
19	14.0	-3.0		.94642	570.8	.00128	.000351	.00127	.000348	1.02
20	14.0	-4.0		.94530	570.1	.00125	.000343	.00124	.000340	.96
21	16.0	-4.0		.94586	570.1	.00124	.000340	.00124	.000340	.95
22	14.0	-6.0		.94474	570.1	.00128	.000351	.00127	.000348	.98
23	14.0	-8.0		.94809	571.8	.00124	.000340	.00124	.000340	.99
24	14.0	-12.0		.94865	572.1	.00131	.000359			.98
25	16.0	-8.0		.94530	570.1	.00128	.000351	.00127	.000348	.99
26	18.0	-8.0		.94530	569.8	.00124	.000340	.00125	.000343	.94
27	16.0	-2.0		.94697	571.1	.00132	.000362	.00130	.000357	1.00
28	18.0	-2.0		.95088	573.8	.00133	.000365	.00134	.000368	1.00
29	20.0	-3.0		.95032	573.5	.00132	.000362	.00134	.000368	1.00
30	18.0	-4.0		.94642	570.8	.00128	.000351	.00127	.000348	1.03
31	20.0	-4.0		.94697	571.5	.00129	.000354	.00128	.000351	.98
32	20.0	-5.0		.94474	569.8	.00131	.000359	.00126	.000346	1.05
33	20.0	-6.0		.94586	570.5	.00124	.000340	.00124	.000340	.98
34	20.0	-7.0		.94809	571.5	.00122	.000335	.00131	.000359	.95
35	20.0	-8.0		.94195	568.1	.00128	.000351			
36	20.0	-12.0		.94363	569.1	.00137	.000376			1.05
37	14.0	5.0		.94697	571.8	.00134	.000368	.00126	.000346	.86
38	14.0	6.0		.94921	573.5	.00139	.000381			.90
39	32.0	8.0		.94697	572.5	.00154	.000422	.00154	.000422	1.03
40	32.0	10.0		.94586	572.1	.00160	.000439	.00161	.000442	1.04
41	32.0	12.0		.94474	570.8	.00154	.000422			1.02
43	50.0	-5.0		.93525	558.8	.00031	.000085			.24
44	50.0	.0		.95256	568.8	.00025	.000069			.19
45	50.0	6.0		.95088	574.1	.00135	.000370			.87
46	58.0	.0		.93302	563.8	.00156	.000428			1.14
47	58.0	6.0		.94307	567.8	.00119	.000326			.77
48	58.0	12.0		.94809	573.8	.00160	.000439			1.08
49	32.0	-7.0		.94976	573.1	.00135	.000370			1.02
50	32.0	-8.0		.94753	571.8	.00134	.000368			.99
51	32.0	-10.0		.94642	571.1	.00135	.000370			1.04
52	32.0	-12.0		.94530	570.5	.00132	.000362			.96
53	42.0	-7.0		.95256	576.5	.00163	.000447			1.22
54	42.0	-8.0		.95311	575.8	.00136	.000373			1.02
55	42.0	-9.0		.95088	574.5	.00141	.000387			1.03
56	42.0	-10.0		.94921	573.1	.00136	.000373			1.02
57	42.0	-12.0		.94809	572.5	.00153	.000420			1.16
73	14.0	2.0		.94865	571.5	.00118	.000324			.86
74	16.0	.0		.94976	573.1	.00131	.000359	.00131	.000359	
75	18.0	.0		.95479	576.5	.00112	.000307	.00113	.000310	.84
76	20.0	.0		.96149	575.5	.00058	.000159			.43
77	20.0	-1.0		.95200	574.5	.00133	.000365	.00131	.000359	.99
78	20.0	-2.0		.95200	575.8	.00136	.000373	.00139	.000381	1.06
79	32.0	-4.0		.95311	577.8	.00160	.000439			1.22
81	32.0	4.0		.95535	576.5	.00134	.000368			.98
82	32.0	6.0		.94865	573.1	.00154	.000422	.00153	.000420	.99
83	42.0	-5.0		.96483	577.5	.00048	.000132			.37
84	42.0	-6.0		.95200	576.8	.00167	.000458			1.24
201	2.0	.0	.3	.93916	569.8	.00196	.000538			
202	6.0	.0	.8	.94697	574.8	.00162	.000444	.00163	.000447	
203	10.0	.9	.9	.95311	579.5	.00148	.000406			
204	14.0	.0	1.8	.94139	572.5	.00176	.000483	.00176	.000483	
205	18.0	2.1	1.0	.95479	577.1	.00153	.000420			
206	22.9	.0	2.0	.98660	591.8	.00076	.000208			
207	27.3	1.9	1.8	.96539	581.8	.00133	.000365			
208	27.3	-1.9	1.8	.96539	578.1	.00064	.000176			
209	35.0	4.2	2.0	.94307	569.5	.00131	.000359			
211	36.0	.0	2.0	.98325	587.1	.00022	.000060			
213	10.0	.0	1.3	.94363	572.8	.00163	.000447	.00151	.000414	
214	10.0	-.9	.9	.94642	574.8	.00174	.000477			
215	18.0	.0	2.4	.94642	571.8	.00120	.000329	.00113	.000310	
216	18.0	-2.1	1.0	.94921	575.1	.00190	.000521			
217	23.8	.0	1.5	.99107	594.5	.00081	.000222			
218	27.2	.0	.6	.97488	586.1	.00093	.000255			
219	30.2	.0	2.0	.95981	581.5	.00188	.000516			
220	30.5	.0	2.9	.95479	582.5	.00284	.000779			
221	30.5	1.0	2.9	.95981	585.8	.00266	.000730			
222	33.0	.0	4.3	.92577	568.5	.00234	.000642			
223	35.0	.0	4.6	.93358	568.5	.00233	.000639			
224	35.0	-4.2	2.0	.93804	569.1	.00194	.000532			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

5. Engine Fairing; $\alpha = 5^{o}$ - Continued

(f) M = 3.51; $R = 1.59 \times 10^{6}$; $T_t = 710^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94891	573.5	.00086	.000419			.98
2	2.0	.0		.95279	575.8	.00077	.000375			.89
3	2.0	12.0		.95390	578.5	.00087	.000424			1.00
4	8.0	.0		.94835	572.8	.00075	.000365			.96
5	9.0	.0		.94835	572.8	.00075	.000365	.00069	.000336	.85
6	10.0	.0		.95390	576.1	.00077	.000375	.00089	.000433	.88
7	11.0	.0		.94891	573.8	.00086	.000419	.00079	.000385	1.13
8	11.5	.0		.94724	572.1	.00077	.000375	.00074	.000360	.95
9	12.0	1.0		.95113	574.5	.00075	.000365	.00075	.000365	.85
10	12.0	3.0		.95224	576.8	.00087	.000424	.00086	.000419	.99
11	12.0	5.0		.95557	577.5	.00078	.000380			.94
12	14.0	4.0		.95390	576.5	.00078	.000380	.00081	.000394	.89
13	14.0	1.0		.95724	578.1	.00066	.000321	.00086	.000419	.76
14	14.0	.0		.95002	573.8	.00078	.000380	.00070	.000341	.90
15	14.0	-1.0		.94946	573.1	.00075	.000365	.00073	.000356	.93
16	14.0	-2.0		.95002	573.5	.00072	.000351	.00075	.000365	.95
17	13.0	-2.0		.94835	572.8	.00077	.000375			1.01
18	12.0	-3.0		.94835	572.8	.00086	.000419			1.10
19	14.0	-3.0		.94779	572.5	.00074	.000360	.00074	.000360	.95
20	14.0	-4.0		.94668	571.8	.00086	.000419	.00085	.000414	.99
21	16.0	-4.0		.94724	572.1	.00077	.000375	.00077	.000375	.89
22	14.0	-6.0		.94668	571.8	.00077	.000375	.00076	.000370	.99
23	14.0	-8.0		.94946	573.5	.00077	.000375	.00078	.000380	1.03
24	14.0	-12.0		.94946	573.5	.00078	.000380			.90
25	16.0	-8.0		.94668	571.5	.00075	.000365	.00074	.000360	.95
26	18.0	-8.0		.94668	571.8	.00077	.000375	.00078	.000380	.89
27	16.0	-2.0		.94891	572.8	.00075	.000365	.00073	.000356	.85
28	18.0	-2.0		.95224	576.1	.00092	.000448	.00093	.000453	1.05
29	20.0	-3.0		.95224	575.1	.00080	.000390	.00081	.000394	.92
30	18.0	-4.0		.94779	572.5	.00086	.000419	.00085	.000414	1.09
31	20.0	-4.0		.94891	573.8	.00086	.000419	.00080	.000390	1.06
32	20.0	-5.0		.94668	571.5	.00075	.000365	.00070	.000341	.86
33	20.0	-6.0		.94835	572.5	.00086	.000419	.00086	.000419	.99
34	20.0	-7.0		.95002	573.5	.00086	.000419	.00094	.000458	1.10
35	20.0	-8.0		.94391	569.8	.00070	.000341			.90
36	20.0	-12.0		.94502	570.8	.00078	.000380			1.00
37	14.0	5.0		.95002	573.8	.00087	.000424	.00079	.000385	.99
38	14.0	6.0		.95168	576.8	.00087	.000424			1.10
39	32.0	8.0		.94946	574.1	.00103	.000502	.00103	.000502	.95
40	32.0	10.0		.94835	573.8	.00095	.000463	.00095	.000463	.96
41	32.0	12.0		.94668	574.1	.00088	.000429			.99
45	50.0	6.0		.95168	576.8	.00087	.000424			1.28
46	58.0	.0		.93891	568.1	.00101	.000492			.69
47	58.0	6.0		.94557	569.8	.00060	.000292			1.07
48	58.0	12.0		.95057	575.1	.00098	.000477			1.12
49	32.0	-7.0		.95057	576.1	.00087	.000424			1.00
50	32.0	-8.0		.94835	574.8	.00087	.000424			.96
51	32.0	-10.0		.94835	573.1	.00078	.000380			.98
52	32.0	-12.0		.94724	572.1	.00086	.000419			1.32
53	42.0	-7.0		.95279	576.8	.00103	.000502			1.12
54	42.0	-8.0		.95446	578.5	.00087	.000424			1.00
55	42.0	-9.0		.95224	577.1	.00087	.000424			.99
56	42.0	-10.0		.95057	576.1	.00087	.000424			1.00
57	42.0	-12.0		.94946	575.5	.00087	.000424			.79
73	14.0	2.0		.94835	572.1	.00064	.000312			
74	16.0	.0		.95168	575.1	.00078	.000380	.00077	.000375	.72
75	18.0	.0		.95779	577.8	.00056	.000273	.00057	.000278	.32
76	20.0	.0		.96334	578.1	.00025	.000122			1.12
77	20.0	-1.0		.95390	576.1	.00087	.000424	.00084	.000409	1.00
78	20.0	-2.0		.95335	577.8	.00087	.000424	.00089	.000433	1.19
79	32.0	-4.0		.95390	577.8	.00093	.000453			.99
81	32.0	4.0		.95724	580.1	.00087	.000424			1.00
82	32.0	6.0		.95113	577.5	.00092	.000448	.00090	.000438	.42
83	42.0	-5.0		.96612	580.5	.00033	.000161			1.40
84	42.0	-6.0		.95390	578.1	.00122	.000594			
201	2.0	.0	.3	.94002	571.1	.00131	.000638			
202	6.0	.0	.8	.95168	575.8	.00097	.000472	.00098	.000477	
203	10.0	.9	.9	.95946	581.5	.00092	.000448			
204	14.0	.0	1.8	.95113	576.5	.00123	.000599	.00123	.000599	
205	18.0	2.1	1.0	.96168	581.5	.00085	.000414			
206	22.9	.0	2.0	.99000	595.1	.00035	.000170			
207	27.3	1.9	1.8	.96723	583.8	.00084	.000409			
208	27.3	-1.9	1.8	.96945	582.5	.00035	.000170			
209	35.0	4.2	2.0	.95279	575.5	.00086	.000419			
210	36.0	3.0	2.0	.98389	590.1	.00012	.000058			
213	10.0	.0	1.3	.95113	575.8	.00093	.000453	.00084	.000409	
214	10.0	-.9	.9	.95335	577.1	.00095	.000463			
215	18.0	.0	2.4	.95557	576.1	.00085	.000414	.00078	.000380	
216	18.0	-2.1	1.0	.95668	579.1	.00103	.000502			
217	23.8	.0	1.5	.99389	597.8	.00050	.000244			
218	27.2	.0	.6	.97667	588.8	.00057	.000278			
219	30.2	.0	2.0	.96223	584.5	.00105	.000511			
220	30.5	.0	2.9	.95557	582.1	.00168	.000818			
221	30.5	1.0	2.9	.96057	586.8	.00179	.000872			
222	33.0	.0	4.3	.93336	568.8	.00146	.000711			
223	35.0	.0	4.6	.94224	572.5	.00143	.000696			
224	35.0	-4.2	2.0	.94835	574.8	.00123	.000599			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

5. Engine Fairing; $\alpha = 5^{o}$ - Continued

(g) $M = 4.44$; $R = 4.41 \times 10^{6}$; $T_t = 694^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.92923	563.1	.00080	.000204			1.10
2	2.0	.0		.93310	566.1	.00105	.000268			1.36
3	2.0	12.0		.93089	567.8	.00125	.000319			.94
4	8.0	.0		.92812	563.1	.00107	.000273			1.01
5	9.0	.0		.92812	562.8	.00078	.000199	.00085	.000217	.74
6	10.0	.0		.92978	564.1	.00106	.000271	.00113	.000289	1.36
7	11.0	.0		.92757	562.8	.00103	.000263			.97
9	12.0	1.0		.93033	565.8	.00117	.000299	.00117	.000299	1.10
10	12.0	3.0		.93144	565.1	.00107	.000273	.00104	.000266	.96
11	12.0	5.0		.93973	570.5	.00105	.000268			.91
12	14.0	4.0		.93420	566.8	.00107	.000273	.00114	.000291	.99
13	14.0	1.0		.93863	570.5	.00103	.000263	.00145	.000370	1.32
14	14.0	.0		.92867	563.1	.00104	.000266	.00083	.000212	.99
15	14.0	-1.0		.92812	562.8	.00078	.000199	.00085	.000217	.91
16	14.0	-2.0		.93033	565.8	.00077	.000197	.00089	.000227	.84
17	13.0	-2.0		.92702	562.8	.00104	.000266			1.22
18	12.0	-3.0		.92867	565.8	.00104	.000266			1.22
19	14.0	-3.0		.92702	562.1	.00103	.000263	.00102	.000261	1.21
20	14.0	-4.0		.92536	560.8	.00078	.000199	.00082	.000209	.90
21	16.0	-4.0		.92646	561.5	.00083	.000212	.00083	.000212	.82
22	14.0	-6.0		.92536	560.8	.00084	.000215	.00082	.000209	.98
23	14.0	-8.0		.92978	563.5	.00082	.000209	.00083	.000212	1.04
24	14.0	-12.0		.93033	563.5	.00083	.000212			1.00
25	16.0	-8.0		.92646	561.8	.00086	.000220	.00082	.000209	1.09
26	18.0	-8.0		.93089	564.5	.00086	.000220	.00092	.000235	1.21
27	16.0	-2.0		.92757	562.5	.00103	.000263	.00099	.000253	1.21
28	18.0	-2.0		.93365	566.5	.00105	.000268	.00108	.000276	1.22
29	20.0	-3.0		.93476	566.8	.00103	.000263	.00119	.000304	
30	18.0	-4.0		.92646	561.5	.00084	.000215	.00080	.000204	.99
31	20.0	-4.0		.92702	562.1	.00103	.000263	.00098	.000250	1.20
32	20.0	-5.0		.92259	559.1	.00087	.000222	.00077	.000197	1.13
33	20.0	-6.0		.92812	563.1	.00083	.000212	.00093	.000238	1.02
34	20.0	-7.0		.93033	564.1	.00082	.000209	.00103	.000263	1.11
35	20.0	-8.0		.92204	559.1	.00087	.000222			
36	20.0	-12.0		.92536	560.5	.00083	.000212			.99
37	14.0	5.0		.92812	563.5	.00106	.000271	.00080	.000204	.98
38	14.0	6.0		.93310	567.8	.00117	.000299			1.07
39	32.0	8.0		.92923	566.1	.00131	.000335	.00131	.000335	1.16
40	32.0	10.0		.92536	564.1	.00132	.000337	.00132	.000337	.99
41	32.0	12.0		.92149	561.8	.00133	.000340			.99
42	50.0	-8.0		.91762	559.5	.00134	.000342			1.74
45	50.0	6.0		.93199	568.8	.00125	.000319			1.12
46	58.0	.0		.90380	551.8	.00129	.000330			1.21
47	58.0	6.0		.92480	560.8	.00086	.000220			.70
48	58.0	12.0		.92867	565.1	.00153	.000391			1.02
49	32.0	-7.0		.93144	564.8	.00078	.000199			.85
50	32.0	-8.0		.92978	563.8	.00103	.000263			1.34
51	32.0	-10.0		.92978	563.5	.00083	.000212			.97
52	32.0	-12.0		.92812	562.5	.00101	.000258			1.28
53	42.0	-7.0		.93476	568.5	.00133	.000340			1.60
54	42.0	-8.0		.93918	572.5	.00123	.000314			1.60
55	42.0	-9.0		.93476	568.5	.00116	.000296			1.47
56	42.0	-10.0		.93310	566.5	.00103	.000263			1.21
57	42.0	-12.0		.93033	564.1	.00103	.000263			1.23
73	14.0	2.0		.92702	562.8	.00091	.000232			.85
74	16.0	.0		.93033	567.1	.00124	.000317	.00124	.000317	
75	18.0	.0		.93365	566.5	.00086	.000220	.00086	.000220	.82
76	20.0	.0		.94084	567.8	.00038	.000097			.49
77	20.0	-1.0		.93255	567.5	.00117	.000299	.00110	.000281	1.50
78	20.0	-2.0		.93310	567.8	.00117	.000299	.00116	.000296	1.10
79	32.0	-4.0		.93531	570.1	.00131	.000335			1.54
81	32.0	4.0		.93586	568.1	.00111	.000284			1.06
82	32.0	6.0		.93255	567.8	.00130	.000332	.00130	.000332	1.06
83	42.0	-5.0		.94803	572.1	.00037	.000095			.48
84	42.0	-6.0		.93310	567.8	.00134	.000342			1.46
201	2.0	.0	.3	.91541	557.5	.00167	.000427			
203	10.0	.9	.9	.93089	568.1	.00125	.000319			
204	14.0	.0	1.8	.91541	557.5	.00137	.000350	.00137	.000350	
205	18.0	2.1	1.0	.93033	567.1	.00124	.000317			
206	22.9	.0	2.0	.96793	585.1	.00057	.000146			
207	27.3	1.9	1.8	.94637	574.8	.00102	.000261			
208	27.3	-1.9	1.8	.94305	569.5	.00062	.000158			
209	35.0	4.2	2.0	.91706	558.1	.00119	.000304			
213	10.0	.0	1.3	.91762	558.1	.00146	.000373	.00114	.000291	
214	10.0	-.9	.9	.92259	562.5	.00144	.000368			
215	18.0	.0	2.4	.92038	557.8	.00106	.000271	.00097	.000248	
216	18.0	-2.1	1.0	.92757	564.1	.00134	.000342			
217	23.8	.0	1.5	.97235	588.1	.00069	.000176			
218	27.2	.0	.6	.95742	579.5	.00067	.000171			
219	30.2	.0	2.0	.93918	571.1	.00132	.000337			
220	30.5	.0	2.9	.93420	570.8	.00194	.000496			
221	30.5	1.0	2.9	.94029	574.1	.00212	.000542			
222	33.0	.0	4.3	.90455	554.1	.00209	.000534			
223	35.0	.0	4.6	.91430	559.5	.00205	.000524			
224	35.0	-4.2	2.0	.91485	556.8	.00137	.000350			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

5. Engine Fairing; α = 5° - Continued

(h) M = 4.44; R = 3.14 × 10^6; T_t = 689° R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.93144	563.8	.00058	.000210			.95
2	2.0	.0		.93642	567.1	.00069	.000250			.91
3	2.0	12.0		.93365	566.5	.00081	.000293			.96
4	8.0	.0		.93199	564.5	.00071	.000257			.95
5	9.0	.0		.93144	564.1	.00071	.000257	.00066	.000239	.99
6	10.0	.0		.93365	565.1	.00064	.000232	.00071	.000257	.90
7	11.0	.0		.93144	563.8	.00066	.000239			.93
9	12.0	1.0		.93365	566.5	.00075	.000271	.00075	.000271	.91
10	12.0	3.0		.93531	566.5	.00072	.000260	.00069	.000250	.80
11	12.0	5.0		.94360	571.8	.00070	.000253			.78
12	14.0	4.0		.93863	568.5	.00069	.000250	.00077	.000279	.91
13	14.0	1.0		.94250	570.8	.00072	.000260	.00104	.000376	.99
14	14.0	.0		.93310	564.8	.00069	.000250	.00054	.000195	.95
15	14.0	-1.0		.93255	564.5	.00077	.000279	.00074	.000268	.91
16	14.0	-2.0		.93420	565.5	.00067	.000242	.00080	.000289	.88
17	13.0	-2.0		.93089	563.5	.00070	.000253			.97
18	12.0	-3.0		.93255	564.5	.00069	.000250			.99
19	14.0	-3.0		.93144	563.5	.00063	.000228	.00061	.000221	.90
20	14.0	-4.0		.92923	562.5	.00066	.000239	.00064	.000232	.93
21	16.0	-4.0		.93033	562.8	.00058	.000210	.00058	.000210	.83
22	14.0	-6.0		.92923	562.1	.00060	.000217	.00058	.000210	.94
23	14.0	-8.0		.93420	564.8	.00061	.000221	.00062	.000224	1.05
24	14.0	-12.0		.93420	564.8	.00057	.000206			.85
25	16.0	-8.0		.93033	562.8	.00065	.000235	.00061	.000221	.94
26	18.0	-8.0		.93476	565.8	.00067	.000242	.00073	.000264	1.00
27	16.0	-2.0		.93199	563.8	.00059	.000213	.00054	.000195	.83
28	18.0	-2.0		.93807	567.8	.00066	.000239	.00068	.000246	.93
29	20.0	-3.0		.93863	568.5	.00070	.000253	.00087	.000315	.99
30	18.0	-4.0		.93033	563.1	.00066	.000239	.00063	.000228	.96
31	20.0	-4.0		.93144	563.8	.00069	.000250	.00064	.000232	.85
32	20.0	-5.0		.92702	560.8	.00059	.000213	.00042	.000152	.97
33	20.0	-6.0		.93310	564.1	.00057	.000206	.00063	.000228	.93
34	20.0	-7.0		.93476	565.5	.00063	.000228	.00081	.000293	.91
35	20.0	-8.0		.92646	560.1	.00055	.000199			
36	20.0	-12.0		.92923	561.8	.00057	.000206			.75
37	14.0	5.0		.93255	564.8	.00073	.000264			.86
38	14.0	6.0		.93697	567.8	.00072	.000260			.80
39	32.0	8.0		.93365	566.5	.00084	.000304	.00084	.000304	.84
40	32.0	10.0		.92978	564.5	.00085	.000307	.00085	.000307	.82
41	32.0	12.0		.92591	561.5	.00084	.000304			.71
42	50.0	-8.0		.92149	558.8	.00084	.000304			1.38
44	50.0	.0		.94526	569.1	.00018	.000065			.25
45	50.0	6.0		.93586	567.1	.00081	.000293			1.01
46	58.0	.0		.91098	554.1	.00104	.000376			1.22
47	58.0	6.0		.92867	561.8	.00058	.000210			.59
48	58.0	12.0		.93310	566.5	.00104	.000376			.95
49	32.0	-7.0		.93586	566.5	.00069	.000250			1.00
50	32.0	-8.0		.93420	565.1	.00062	.000224			1.00
51	32.0	-10.0		.93476	565.5	.00067	.000242			.97
52	32.0	-12.0		.93255	564.1	.00066	.000239			.87
53	42.0	-7.0		.93752	569.5	.00085	.000307			1.35
54	42.0	-8.0		.94305	570.8	.00066	.000239			.87
55	42.0	-9.0		.93863	568.1	.00078	.000282			1.03
56	42.0	-10.0		.93697	566.8	.00063	.000228			1.11
57	42.0	-12.0		.93476	565.5	.00062	.000224			1.02
73	14.0	2.0		.93089	562.8	.00052	.000188			.68
74	16.0	.0		.93420	565.5	.00068	.000246	.00068	.000246	
75	18.0	.0		.93752	567.1	.00053	.000192	.00053	.000192	.62
76	20.0	.0		.94416	569.1	.00031	.000112			.41
77	20.0	-1.0		.93586	566.8	.00067	.000242	.00059	.000213	.88
78	20.0	-2.0		.93752	567.8	.00072	.000260	.00072	.000260	.95
79	32.0	-4.0		.93807	568.8	.00083	.000300			1.09
81	32.0	4.0		.94029	569.8	.00073	.000264			.97
82	32.0	6.0		.93642	568.1	.00084	.000304	.00084	.000304	1.06
84	42.0	-6.0		.93697	568.8	.00105	.000380			1.69
201	2.0	.0	.3	.91872	557.8	.00110	.000398			
203	10.0	.9	.9	.93642	569.1	.00089	.000322			
204	14.0	.0	1.8	.92204	560.1	.00110	.000398	.00110	.000398	
205	18.0	2.1	1.0	.93531	566.8	.00073	.000264			
206	22.9	.0	2.0	.97069	585.5	.00041	.000148			
207	27.3	1.9	1.8	.95024	574.8	.00070	.000253			
209	35.0	4.2	2.0	.92370	561.1	.00082	.000297			
213	10.0	.0	1.3	.92425	560.8	.00102	.000369	.00080	.000289	
214	10.0	-.9	.9	.92812	564.5	.00102	.000369			
215	18.0	.0	2.4	.92591	560.1	.00067	.000242	.00058	.000210	
216	18.0	-2.1	1.0	.93365	566.5	.00077	.000279			
217	23.8	.0	1.5	.97567	588.8	.00041	.000148			
218	27.2	.0	.6	.95908	579.8	.00049	.000177			
219	30.2	.0	2.0	.94305	571.8	.00101	.000365			
220	30.5	.0	2.9	.93752	571.1	.00132	.000478			
221	30.5	1.0	2.9	.94416	575.1	.00131	.000474			
222	33.0	.0	4.3	.91043	554.5	.00136	.000492			
223	35.0	.0	4.6	.92038	560.8	.00124	.000449			
224	35.0	-4.2	2.0	.92315	560.1	.00077	.000279			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

5. Engine Fairing; $\alpha = 5^{\circ}$ - Concluded

(i) M = 4.44; R = 2.11 × 10^6; $T_t = 689^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.92703	565.1	.00052	.000280			.96
2	2.0	.0		.93251	568.8	.00052	.000280			.63
3	2.0	12.0		.93087	568.5	.00079	.000425			1.14
4	8.0	.0		.93032	567.1	.00052	.000280			.98
5	9.0	.0		.92977	566.8	.00078	.000420	.00074	.000398	1.18
6	10.0	.0		.93197	568.1	.00064	.000345	.00071	.000382	1.08
7	11.0	.0		.93032	566.8	.00052	.000280			.98
9	12.0	1.0		.93251	568.1	.00054	.000291	.00054	.000291	.82
10	12.0	3.0		.93416	569.1	.00060	.000423	.00057	.000307	1.05
11	12.0	5.0		.94239	574.5	.00052	.000280			.93
12	14.0	4.0		.93745	571.5	.00052	.000280	.00060	.000323	.98
13	14.0	1.0		.94129	573.1	.00048	.000258			.81
14	14.0	.0		.93197	567.5	.00052	.000280			.98
15	14.0	-1.0		.93197	567.5	.00052	.000280			.80
16	14.0	-2.0		.93306	568.5	.00052	.000280	.00066	.000355	.98
17	13.0	-2.0		.92977	566.5	.00052	.000280			.98
18	12.0	-3.0		.93087	567.1	.00052	.000280			.98
19	14.0	-3.0		.92977	566.5	.00052	.000280	.00050	.000269	.98
20	14.0	-4.0		.92813	565.1	.00052	.000280	.00050	.000269	.98
21	16.0	-4.0		.92867	565.8	.00052	.000280	.00052	.000280	.98
22	14.0	-6.0		.92758	564.8	.00052	.000280	.00049	.000264	.98
24	14.0	-12.0		.93197	567.5	.00049	.000264			
25	16.0	-8.0		.92867	565.5	.00052	.000280	.00048	.000258	.98
26	18.0	-8.0		.93306	567.8	.00040	.000215	.00045	.000242	.75
27	16.0	-2.0		.93032	566.8	.00052	.000280			.98
29	20.0	-3.0		.93910	572.5	.00064	.000345	.00088	.000474	1.16
30	18.0	-4.0		.92977	566.1	.00051	.000275			.96
31	20.0	-4.0		.93032	566.8	.00052	.000280			1.00
32	20.0	-5.0		.92593	564.1	.00052	.000280	.00045	.000242	.98
33	20.0	-6.0		.93197	567.5	.00048	.000258	.00054	.000291	.91
34	20.0	-7.0		.93471	568.8	.00051	.000275			.96
35	20.0	-8.0		.92483	563.1	.00048	.000258			
36	20.0	-12.0		.92703	564.5	.00052	.000280			1.06
37	14.0	5.0		.93142	567.8	.00052	.000280			.79
38	14.0	6.0		.93635	570.8	.00052	.000280			.96
39	32.0	8.0		.93306	569.1	.00061	.000328	.00061	.000328	.75
40	32.0	10.0		.92977	568.1	.00079	.000425	.00079	.000425	1.23
41	32.0	12.0		.92538	565.8	.00080	.000431			.98
42	50.0	-8.0		.92099	561.8	.00068	.000366			1.28
45	50.0	6.0		.93416	569.8	.00058	.000312			.88
46	58.0	.0		.91441	558.5	.00072	.000388			1.36
47	58.0	6.0		.92703	564.5	.00052	.000280			.91
48	58.0	12.0		.93251	569.5	.00073	.000393			.90
49	32.0	-7.0		.93471	569.5	.00064	.000345			1.21
50	32.0	-8.0		.93306	568.5	.00061	.000328			1.15
51	32.0	-10.0		.93361	568.5	.00052	.000280			
53	42.0	-7.0		.93526	571.1	.00075	.000404			1.42
54	42.0	-8.0		.94074	573.1	.00060	.000323			
55	42.0	-9.0		.93690	570.8	.00060	.000323			1.13
56	42.0	-10.0		.93581	569.8	.00060	.000323			1.18
57	42.0	-12.0		.93361	568.8	.00052	.000280			1.16
73	14.0	2.0		.93032	565.8	.00037	.000199			.45
74	16.0	.0		.93251	568.5	.00052	.000280	.00052	.000280	
77	20.0	-1.0		.93416	569.5	.00061	.000328	.00051	.000275	1.15
78	20.0	-2.0		.93635	570.8	.00054	.000291	.00054	.000291	1.02
79	32.0	-4.0		.93581	571.1	.00067	.000361			1.26
81	32.0	4.0		.94020	573.1	.00057	.000307			.86
82	32.0	6.0		.93635	570.8	.00054	.000291	.00054	.000291	.67
83	42.0	-5.0		.94788	576.1	.00031	.000167			.38
84	42.0	-6.0		.93526	571.8	.00089	.000479			1.68
201	2.0	.0	.3	.91990	562.5	.00090	.000485			
203	10.0	.9	.9	.93800	572.5	.00078	.000420			
204	14.0	.0	1.8	.92593	566.8	.00081	.000436	.00081	.000436	
205	18.0	2.1	1.0	.93690	571.5	.00052	.000280			
207	27.3	1.9	1.8	.94842	577.5	.00058	.000312			
209	35.0	4.2	2.0	.92648	564.8	.00060	.000323			
213	10.0	.0	1.3	.92593	565.1	.00080	.000431			
214	10.0	-.9	.9	.92867	567.8	.00080	.000431			
215	18.0	.0	2.4	.93032	566.8	.00064	.000345	.00057	.000307	
216	18.0	-2.1	1.0	.93526	572.1	.00079	.000425			
217	23.8	.0	1.5	.97256	591.5	.00043	.000232			
218	27.2	.0	.6	.95501	581.5	.00048	.000258			
219	30.2	.0	2.0	.94239	575.1	.00071	.000382			
220	30.5	.0	2.9	.93745	576.1	.00136	.000732			
221	30.5	1.0	2.9	.94349	580.1	.00136	.000732			
222	33.0	.0	4.3	.91276	559.1	.00139	.000748			
223	35.0	.0	4.6	.92264	564.8	.00137	.000738			
224	35.0	-4.2	2.0	.92758	566.5	.00072	.000388			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

6. Engine Fairing; $\alpha = 10^{o}$

(a) M = 2.65; R = 3.87×10^{6}; $T_t = 716^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St, c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95015	589.8	.00317	.000450			1.01
2	2.0	.0		.95234	590.5	.00306	.000435			1.03
3	2.0	12.0		.95234	590.5	.00278	.000395			.94
4	8.0	.0		.94960	591.5	.00312	.000443			1.01
5	9.0	.0		.94906	591.1	.00312	.000443	.00304	.000432	.94
6	10.0	.0		.95399	591.8	.00307	.000436	.00317	.000450	1.01
7	11.0	.0		.94960	588.8	.00307	.000436	.00307	.000436	.92
8	11.5	.0		.94741	587.5	.00295	.000419	.00291	.000413	.97
9	12.0	1.0		.94960	589.1	.00295	.000419	.00295	.000419	.97
10	12.0	3.0		.95125	592.5	.00312	.000443	.00312	.000443	.94
11	12.0	5.0		.95399	591.5	.00305	.000433			.92
12	14.0	4.0		.95453	592.1	.00292	.000415	.00297	.000422	.97
13	14.0	1.0		.95453	592.1	.00311	.000442	.00323	.000459	1.01
14	14.0	.0		.94796	590.5	.00313	.000445	.00302	.000429	1.00
15	14.0	-1.0		.94906	591.1	.00312	.000443	.00313	.000445	.94
16	14.0	-2.0		.94960	589.1	.00326	.000463	.00330	.000469	1.06
17	13.0	-2.0		.94851	588.1	.00307	.000436			1.01
18	12.0	-3.0		.94906	588.8	.00310	.000440			.99
19	14.0	-3.0		.94851	588.5	.00316	.000449	.00316	.000449	1.00
20	14.0	-4.0		.94741	588.1	.00319	.000453	.00318	.000452	1.02
21	16.0	-4.0		.94741	587.8	.00317	.000450	.00317	.000450	.95
22	14.0	-6.0		.94687	588.1	.00323	.000459	.00322	.000458	1.01
23	14.0	-8.0		.95015	589.8	.00321	.000456	.00321	.000456	1.01
24	14.0	-12.0		.95125	593.1	.00327	.000465			.96
25	16.0	-8.0		.94741	588.1	.00320	.000455	.00319	.000453	1.00
26	18.0	-8.0		.94741	588.1	.00319	.000453	.00320	.000455	1.00
27	16.0	-2.0		.94741	587.8	.00318	.000452	.00314	.000446	1.02
28	18.0	-2.0		.95180	590.8	.00327	.000465	.00328	.000466	1.05
29	20.0	-3.0		.95234	591.1	.00322	.000458	.00325	.000462	1.04
30	18.0	-4.0		.94741	587.8	.00312	.000443	.00310	.000440	1.01
31	20.0	-4.0		.94851	591.1	.00311	.000442	.00311	.000442	.99
32	20.0	-5.0		.94577	587.5	.00324	.000460	.00318	.000452	1.03
33	20.0	-6.0		.94741	588.5	.00322	.000458	.00322	.000458	1.02
34	20.0	-7.0		.94960	589.1	.00317	.000450	.00325	.000462	1.00
35	20.0	-8.0		.94413	586.1	.00320	.000455			
36	20.0	-12.0		.94687	588.1	.00350	.000497			1.13
37	14.0	5.0		.94960	589.1	.00295	.000419	.00286	.000406	1.02
38	14.0	6.0		.95125	590.1	.00308	.000438			
39	32.0	8.0		.94906	589.1	.00313	.000445	.00313	.000445	1.03
40	32.0	10.0		.94851	589.1	.00319	.000453	.00320	.000455	1.01
41	32.0	12.0		.94577	587.5	.00320	.000455			1.05
43	50.0	-5.0		.92331	564.5	.00092	.000131			.29
44	50.0	.0		.92934	567.1	.00057	.000081			.17
45	50.0	6.0		.94960	588.8	.00310	.000440			1.02
46	58.0	.0		.92879	577.5	.00328	.000466			1.12
47	58.0	6.0		.94139	582.8	.00266	.000378			.84
48	58.0	12.0		.94851	589.5	.00324	.000460			1.03
49	32.0	-7.0		.95453	593.8	.00352	.000500			1.07
50	32.0	-8.0		.95180	592.1	.00344	.000489			1.07
51	32.0	-10.0		.95070	591.5	.00355	.000504			1.05
52	32.0	-12.0		.94796	589.5	.00348	.000494			1.02
53	42.0	-7.0		.95453	603.5	.00419	.000595			1.31
54	42.0	-8.0		.96056	601.8	.00385	.000547			1.19
55	42.0	-9.0		.95837	596.1	.00350	.000497			1.06
56	42.0	-10.0		.95508	594.1	.00351	.000499			1.09
57	42.0	-12.0		.95289	593.1	.00355	.000504			1.11
73	14.0	2.0		.94851	589.1	.00319	.000453			1.03
74	16.0	.0		.94960	589.8	.00313	.000445	.00313	.000445	
75	18.0	.0		.95344	592.1	.00318	.000452	.00318	.000452	1.04
76	20.0	.0		.95892	595.5	.00316	.000449			1.04
77	20.0	-1.0		.95289	591.8	.00348	.000494	.00339	.000482	1.10
78	20.0	-2.0		.95399	592.8	.00324	.000460	.00329	.000467	1.02
79	32.0	-4.0		.96001	601.1	.00371	.000527			1.18
81	32.0	4.0		.95125	590.8	.00314	.000446			1.04
82	32.0	6.0		.94851	588.5	.00309	.000439	.00308	.000438	.93
201	2.0	.0	.3	.94741	595.1	.00436	.000620			
202	6.0	.0	.8	.94741	593.1	.00363	.000516	.00363	.000516	
203	10.0	.9	.9	.95125	591.1	.00329	.000467			
204	14.0	.0	1.8	.93975	589.5	.00371	.000527	.00372	.000529	
205	18.0	2.1	1.0	.95180	588.5	.00265	.000377			
206	22.9	.0	2.0	.99342	615.1	.00231	.000328			
207	27.3	1.9	1.8	.97918	611.1	.00320	.000455			
208	27.3	-1.9	1.8	.96056	598.8	.00310	.000440			
209	35.0	4.2	2.0	.92770	576.5	.00319	.000453			
210	36.0	3.0	2.0	.97480	593.1	.00023	.000033			
211	36.0	.0	2.0	.97151	592.1	.00038	.000054			
212	36.0	-3.0	2.0	.96768	590.1	.00056	.000080			
213	10.0	.0	1.3	.94194	587.1	.00379	.000539	.00363	.000516	
214	10.0	-.9	.9	.94796	593.1	.00425	.000604			
215	18.0	.0	2.4	.94522	582.8	.00228	.000324	.00217	.000308	
216	18.0	-2.1	1.0	.95125	599.5	.00444	.000631			
217	23.8	.0	1.5	.99507	615.5	.00217	.000308			
218	27.2	.0	.6	.98356	611.5	.00275	.000391			
219	30.2	.0	2.0	.97754	618.8	.00524	.000745			
220	30.5	.0	2.9	.97754	622.1	.00774	.001100			
221	30.5	1.0	2.9	.96987	615.5	.00563	.000800			
222	33.0	.0	4.3	.94029	596.5	.00538	.000764			
223	35.0	.0	4.6	.95070	597.8	.00518	.000736			
224	35.0	-4.2	2.0	.94084	590.8	.00478	.000679			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

6. Engine Fairing; $\alpha = 10^{o}$ - Continued

(b) $M = 2.65$; $R = 2.53 \times 10^{6}$; $T_t = 714^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95828	584.1	.00232	.000507			.95
3	2.0	12.0		.96439	587.1	.00199	.000435			1.00
4	8.0	.0		.95716	582.8	.00211	.000461			.94
5	9.0	.0		.95661	582.5	.00232	.000507	.00231	.000505	1.04
6	10.0	.0		.95716	582.8	.00231	.000505	.00232	.000507	1.03
7	11.0	.0		.95661	584.1	.00216	.000472	.00222	.000485	.98
8	11.5	.0		.95438	581.1	.00232	.000507	.00229	.000501	1.05
9	12.0	1.0		.95605	582.1	.00209	.000457	.00209	.000457	.94
10	12.0	3.0		.95716	582.8	.00209	.000457	.00209	.000457	.93
11	12.0	5.0		.95716	582.8	.00206	.000450			1.00
12	14.0	4.0		.95883	585.5	.00215	.000470	.00215	.000470	.96
13	14.0	1.0		.95549	581.8	.00232	.000507	.00227	.000496	1.04
14	14.0	.0		.95605	582.1	.00232	.000507	.00231	.000505	1.05
15	14.0	-1.0		.95716	582.8	.00231	.000505	.00229	.000501	1.03
16	14.0	-2.0		.95438	581.1	.00232	.000507	.00226	.000494	1.04
17	13.0	-2.0		.95494	581.8	.00233	.000509			1.06
18	12.0	-3.0		.95661	582.5	.00231	.000505			1.01
19	14.0	-3.0		.95549	582.1	.00233	.000509	.00230	.000503	1.02
20	14.0	-4.0		.95383	581.1	.00229	.000501	.00227	.000496	.99
21	16.0	-4.0		.95383	581.1	.00229	.000501	.00229	.000501	1.03
22	14.0	-6.0		.95438	582.1	.00235	.000514	.00235	.000514	1.01
23	14.0	-8.0		.95605	582.5	.00229	.000501	.00229	.000501	.99
24	14.0	-12.0		.95494	582.1	.00237	.000518			.98
25	16.0	-8.0		.95383	581.1	.00231	.000505	.00229	.000501	.98
26	18.0	-8.0		.95605	582.8	.00236	.000516	.00237	.000518	1.02
27	16.0	-2.0		.95494	581.5	.00228	.000498	.00226	.000494	1.00
28	18.0	-2.0		.96161	586.1	.00234	.000512	.00238	.000520	1.02
29	20.0	-3.0		.95716	583.1	.00228	.000498	.00225	.000492	1.03
30	18.0	-4.0		.95271	582.1	.00218	.000477	.00214	.000468	.98
31	20.0	-4.0		.95549	582.1	.00227	.000496	.00229	.000501	1.01
32	20.0	-5.0		.95160	581.8	.00232	.000507	.00223	.000488	1.02
33	20.0	-6.0		.95383	581.1	.00233	.000509	.00228	.000498	1.02
34	20.0	-7.0		.95438	581.5	.00233	.000509	.00231	.000505	1.01
35	20.0	-8.0		.95216	580.1	.00226	.000494			
36	20.0	-12.0		.95438	582.1	.00239	.000523			1.02
37	14.0	5.0		.95772	585.1	.00216	.000472	.00217	.000474	.96
38	14.0	6.0		.95661	584.5	.00217	.000474			.96
39	32.0	8.0		.95716	583.1	.00214	.000468	.00214	.000468	1.01
40	32.0	10.0		.95549	582.5	.00229	.000501	.00229	.000501	1.03
41	32.0	12.0		.95494	582.1	.00229	.000501			1.00
43	50.0	-5.0		.93714	563.1	.00060	.000131			.26
44	50.0	.0		.94326	566.5	.00052	.000114			.24
45	50.0	6.0		.95327	580.5	.00215	.000470			.98
46	58.0	.0		.93881	572.8	.00239	.000523			1.05
47	58.0	6.0		.94826	576.5	.00188	.000411			.85
48	58.0	12.0		.95605	583.1	.00230	.000503			1.00
49	32.0	-7.0		.95939	585.8	.00243	.000531			.98
50	32.0	-8.0		.95772	584.5	.00247	.000540			1.05
51	32.0	-10.0		.95494	583.1	.00254	.000555			1.06
52	32.0	-12.0		.95327	584.1	.00257	.000562			1.07
53	42.0	-7.0		.96273	593.1	.00311	.000680			1.33
55	42.0	-9.0		.96606	589.5	.00244	.000533			1.04
56	42.0	-10.0		.96328	589.8	.00253	.000553			1.08
73	14.0	2.0		.95772	584.1	.00252	.000551			1.18
75	18.0	.0		.95994	585.5	.00235	.000514			1.07
76	20.0	.0		.96662	589.1	.00226	.000494			1.07
77	20.0	-1.0		.95994	585.5	.00235	.000514	.00231	.000505	1.05
78	20.0	-2.0		.95716	583.8	.00236	.000516	.00233	.000509	1.04
79	32.0	-4.0		.96495	590.1	.00263	.000575			1.15
80	32.0	-5.0		.95939	585.5	.00240	.000525			1.03
81	32.0	4.0		.95661	583.1	.00233	.000509			1.14
82	32.0	6.0		.95772	583.5	.00232	.000507	.00232	.000507	1.10
201	2.0	.0	.3	.95271	583.5	.00305	.000667			
202	6.0	.0	.8	.95383	583.1	.00241	.000527	.00241	.000527	
203	10.0	.9	.9	.95661	585.1	.00218	.000477			
204	14.0	.0	1.8	.94882	580.8	.00278	.000608	.00278	.000608	
205	18.0	2.1	1.0	.96106	583.5	.00193	.000422			
206	22.9	.0	2.0	.99833	605.1	.00167	.000365			
207	27.3	1.9	1.8	.98164	598.8	.00228	.000498			
208	27.3	-1.9	1.8	.96718	589.5	.00213	.000466			
209	35.0	4.2	2.0	.93825	575.1	.00206	.000450			
211	36.0	.0	2.0	.97663	585.5	.00037	.000081			
212	36.0	-3.0	2.0	.97329	583.8	.00038	.000083			
213	10.0	.0	1.3	.95104	585.5	.00235	.000514	.00226	.000494	
214	10.0	-.9	.9	.95383	587.5	.00289	.000632			
215	18.0	.0	2.4	.95271	578.8	.00176	.000385	.00168	.000367	
216	18.0	-2.1	1.0	.95661	590.5	.00316	.000691			
217	23.8	.0	1.5	.99888	606.5	.00157	.000343			
218	27.2	.0	.6	.98776	601.1	.00207	.000453			
219	30.2	.0	2.0	.98108	608.5	.00378	.000826			
220	30.5	.0	2.9	.97886	610.5	.00552	.001207			
221	30.5	1.0	2.9	.97051	600.1	.00437	.000955			
222	33.0	.0	4.3	.94882	588.8	.00380	.000831			
223	35.0	.0	4.6	.95772	592.8	.00345	.000754			
224	35.0	-4.2	2.0	.94826	586.1	.00322	.000704			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

6. Engine Fairing; $\alpha = 10^{o}$ - Continued

(c) M = 2.65; R = 1.26×10^{6}; $T_t = 712^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.96324	583.5	.00119	.000523			.93
3	2.0	12.0		.96881	585.5	.00125	.000549			1.13
4	8.0	.0		.96157	583.5	.00127	.000558			1.00
5	9.0	.0		.96101	581.8	.00119	.000523	.00117	.000514	.93
6	10.0	.0		.96157	582.1	.00119	.000523	.00121	.000532	.94
7	11.0	.0		.96101	581.8	.00119	.000523	.00124	.000545	.93
8	11.5	.0		.95879	579.5	.00132	.000580	.00123	.000540	1.03
9	12.0	1.0		.96046	582.8	.00127	.000558	.00127	.000558	.99
10	12.0	3.0		.96213	582.5	.00119	.000523	.00120	.000527	.99
11	12.0	5.0		.96213	582.5	.00119	.000523			.99
12	14.0	4.0		.96380	583.5	.00119	.000523	.00120	.000527	.99
13	14.0	1.0		.96046	582.8	.00127	.000558	.00122	.000536	1.09
14	14.0	.0		.96101	581.8	.00119	.000523	.00118	.000518	.94
15	14.0	-1.0		.96213	581.5	.00126	.000553	.00134	.000589	.98
16	14.0	-2.0		.95934	579.5	.00114	.000501	.00107	.000470	.90
17	13.0	-2.0		.95990	581.1	.00119	.000523			.99
18	12.0	-3.0		.96157	583.1	.00126	.000553			.99
19	14.0	-3.0		.96046	581.5	.00119	.000523	.00122	.000536	.93
20	14.0	-4.0		.95879	581.8	.00127	.000558	.00125	.000549	.99
21	16.0	-4.0		.95934	580.8	.00119	.000523	.00119	.000523	.93
22	14.0	-6.0		.95934	582.5	.00127	.000558	.00127	.000558	.99
23	14.0	-8.0		.96101	582.1	.00120	.000527	.00120	.000527	.94
24	14.0	-12.0		.95990	582.5	.00127	.000558			.99
25	16.0	-8.0		.95879	581.8	.00127	.000558	.00125	.000549	.99
26	18.0	-8.0		.96101	582.1	.00120	.000527	.00122	.000536	.99
27	16.0	-2.0		.95990	582.5	.00127	.000558	.00125	.000549	.99
28	18.0	-2.0		.96658	584.5	.00126	.000553	.00131	.000575	1.04
29	20.0	-3.0		.96213	583.8	.00126	.000553	.00124	.000545	.95
30	18.0	-4.0		.95823	579.1	.00120	.000527	.00113	.000496	.94
31	20.0	-4.0		.96046	583.1	.00127	.000558	.00130	.000571	.99
32	20.0	-5.0		.95712	580.8	.00127	.000558	.00120	.000527	.98
33	20.0	-6.0		.95879	579.5	.00114	.000501	.00115	.000505	.89
34	20.0	-7.0		.95990	581.1	.00119	.000523	.00123	.000540	.93
35	20.0	-8.0		.95712	580.8	.00127	.000558			
36	20.0	-12.0		.95934	582.5	.00127	.000558			.99
37	14.0	5.0		.96268	583.1	.00116	.000510	.00132	.000580	.97
38	14.0	6.0		.96157	582.1	.00119	.000523			1.05
39	32.0	8.0		.96157	582.5	.00120	.000527	.00120	.000527	1.00
40	32.0	10.0		.95990	582.8	.00127	.000558	.00127	.000558	.99
41	32.0	12.0		.95934	582.5	.00127	.000558			.99
43	50.0	-5.0		.94598	567.1	.00033	.000145			.26
44	50.0	.0		.95099	569.8	.00029	.000127			.24
45	50.0	6.0		.95767	581.1	.00127	.000558			1.06
46	58.0	.0		.94876	574.5	.00147	.000646			1.21
47	58.0	6.0		.95322	575.5	.00103	.000452			.80
48	58.0	12.0		.96101	583.5	.00127	.000558			.95
49	32.0	-7.0		.96380	583.1	.00131	.000575			1.00
50	32.0	-8.0		.96157	582.1	.00140	.000615			1.03
51	32.0	-10.0		.95990	581.1	.00140	.000615			1.03
52	32.0	-12.0		.95879	580.5	.00135	.000593			.99
53	42.0	-7.0		.96881	588.1	.00167	.000734			1.29
55	42.0	-9.0		.96992	588.1	.00131	.000575			.98
56	42.0	-10.0		.96714	587.5	.00126	.000553			.94
73	14.0	2.0		.96268	584.8	.00127	.000558			.99
75	18.0	.0		.96436	585.8	.00127	.000558			.99
76	20.0	.0		.96992	588.8	.00126	.000553			1.04
77	20.0	-1.0		.96436	585.5	.00134	.000589	.00131	.000575	1.11
78	20.0	-2.0		.96157	581.8	.00137	.000602	.00134	.000589	1.13
79	32.0	-4.0		.96825	586.5	.00142	.000624			1.10
80	32.0	-5.0		.96268	582.5	.00135	.000593			.99
81	32.0	4.0		.96213	584.5	.00127	.000558			1.06
82	32.0	6.0		.96213	582.8	.00120	.000527	.00120	.000527	.99
201	2.0	.0	.3	.95600	580.5	.00177	.000778			
202	6.0	.0	.8	.95990	580.5	.00116	.000510	.00116	.000510	
203	10.0	.9	.9	.96714	586.5	.00108	.000474			
204	14.0	.0	1.8	.95990	581.8	.00138	.000606	.00138	.000606	
205	18.0	2.1	1.0	.97104	588.5	.00092	.000404			
206	22.9	.0	2.0	1.00501	605.1	.00075	.000329			
207	27.3	1.9	1.8	.98496	597.8	.00124	.000545			
208	27.3	-1.9	1.8	.97772	591.8	.00117	.000514			
209	35.0	4.2	2.0	.95210	575.5	.00106	.000466			
211	36.0	.0	2.0	.98385	588.8	.00020	.000088			
213	10.0	.0	1.3	.96101	581.8	.00133	.000584	.00121	.000532	
214	10.0	-.9	.9	.96157	583.5	.00165	.000725			
215	18.0	.0	2.4	.96324	580.1	.00087	.000382	.00081	.000356	
216	18.0	-2.1	1.0	.96547	586.8	.00183	.000804			
217	23.8	.0	1.5	1.00668	605.8	.00072	.000316			
218	27.2	.0	.6	.99331	599.8	.00095	.000417			
219	30.2	.0	2.0	.98385	602.1	.00222	.000975			
220	30.5	.0	2.9	.97939	604.5	.00310	.001362			
221	30.5	1.0	2.9	.97382	594.5	.00242	.001063			
222	33.0	.0	4.3	.95934	584.5	.00206	.000905			
223	35.0	.0	4.6	.96825	590.8	.00185	.000813			
224	35.0	-4.2	2.0	.96046	585.8	.00174	.000764			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

6. Engine Fairing; $\alpha = 10^{o}$ - Continued

(d) M = 3.51; R = 3.91×10^{6}; $T_t = 717^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.93610	569.8	.00166	.000326			.95
2	2.0	.0		.93999	572.1	.00162	.000318			.94
3	2.0	12.0		.94054	573.5	.00189	.000371			.96
4	8.0	.0		.93443	569.1	.00188	.000369			1.07
5	9.0	.0		.93443	569.1	.00188	.000369	.00183	.000359	.98
6	10.0	.0		.93999	572.1	.00168	.000329	.00181	.000355	.88
7	11.0	.0		.93443	568.8	.00169	.000331			.88
9	12.0	1.0		.93499	569.8	.00173	.000339	.00173	.000339	.92
10	12.0	3.0		.93665	571.1	.00191	.000375	.00189	.000371	.99
11	12.0	5.0		.94443	575.8	.00175	.000343			.89
12	14.0	4.0		.94165	574.1	.00176	.000345	.00182	.000357	.93
13	14.0	1.0		.94221	573.8	.00181	.000355	.00200	.000392	.95
14	14.0	.0		.93276	567.8	.00170	.000333	.00156	.000306	.89
15	14.0	-1.0		.93443	569.1	.00188	.000369	.00189	.000371	1.07
16	14.0	-2.0		.93665	570.1	.00163	.000320	.00172	.000337	.93
17	13.0	-2.0		.93387	569.8	.00172	.000337			.90
18	12.0	-3.0		.93554	569.5	.00169	.000331			.89
19	14.0	-3.0		.93387	568.5	.00170	.000333	.00168	.000329	.95
20	14.0	-4.0		.93276	567.8	.00170	.000333	.00170	.000333	.96
21	16.0	-4.0		.93332	568.1	.00188	.000369	.00188	.000369	1.07
22	14.0	-6.0		.93221	567.8	.00188	.000369	.00187	.000367	1.06
23	14.0	-8.0		.93721	570.5	.00169	.000331	.00170	.000333	.88
24	14.0	-12.0		.93888	571.5	.00176	.000345			.93
25	16.0	-8.0		.93332	568.1	.00168	.000329	.00166	.000326	.88
26	18.0	-8.0		.93554	569.5	.00169	.000331	.00171	.000335	.98
27	16.0	-2.0		.93276	567.8	.00170	.000333	.00166	.000326	.94
28	18.0	-2.0		.93999	572.1	.00168	.000329	.00169	.000331	.88
29	20.0	-3.0		.93999	572.1	.00168	.000329	.00176	.000345	.88
30	18.0	-4.0		.93332	567.8	.00168	.000329	.00167	.000328	.97
31	20.0	-4.0		.93276	567.8	.00170	.000333	.00166	.000326	.89
32	20.0	-5.0		.93054	566.5	.00165	.000324	.00157	.000308	.95
33	20.0	-6.0		.93443	568.8	.00165	.000324	.00167	.000328	.96
34	20.0	-7.0		.93665	570.1	.00165	.000324	.00176	.000345	.94
35	20.0	-8.0		.92999	565.8	.00170	.000333			
36	20.0	-12.0		.93221	567.8	.00183	.000359			.96
37	14.0	5.0		.93387	569.5	.00187	.000367	.00177	.000347	.95
38	14.0	6.0		.93776	572.1	.00180	.000353			.91
39	32.0	8.0		.93443	570.5	.00207	.000406	.00207	.000406	.99
40	32.0	10.0		.93387	570.5	.00200	.000392	.00201	.000394	.97
41	32.0	12.0		.93165	568.8	.00200	.000392			.93
42	50.0	-8.0		.91276	553.5	.00114	.000224			.66
43	50.0	-5.0		.92832	557.5	.00032	.000063			.17
44	50.0	.0		.93276	560.1	.00031	.000061			.16
45	50.0	6.0		.93610	571.5	.00196	.000384			.98
46	58.0	.0		.91609	558.1	.00187	.000367			1.02
47	58.0	6.0		.93165	567.5	.00182	.000357			.91
48	58.0	12.0		.93776	573.1	.00206	.000404			.90
49	32.0	-7.0		.94054	573.5	.00190	.000373			1.02
50	32.0	-8.0		.93888	572.5	.00192	.000377			1.08
51	32.0	-10.0		.93721	571.1	.00185	.000363			.99
52	32.0	-12.0		.93443	569.1	.00174	.000341			.90
53	42.0	-7.0		.94054	578.1	.00262	.000514			1.45
54	42.0	-8.0		.94777	582.8	.00246	.000482			1.30
55	42.0	-9.0		.94777	580.5	.00207	.000406			1.15
56	42.0	-10.0		.94388	575.8	.00204	.000400			1.09
57	42.0	-12.0		.94054	573.8	.00190	.000373			1.06
73	14.0	2.0		.93499	570.1	.00191	.000375			1.01
74	16.0	.0		.93554	569.8	.00171	.000335	.00171	.000335	
75	18.0	.0		.93888	572.5	.00192	.000377	.00191	.000375	1.05
76	20.0	.0		.94499	576.5	.00191	.000375			.99
77	20.0	-1.0		.93943	572.5	.00189	.000371	.00182	.000357	.98
78	20.0	-2.0		.93999	572.8	.00185	.000363	.00187	.000367	1.02
79	32.0	-4.0		.94554	578.8	.00242	.000475			1.27
81	32.0	4.0		.93943	572.8	.00192	.000377			1.00
82	32.0	6.0		.93610	571.1	.00193	.000379	.00192	.000377	.97
201	2.0	.0	.3	.92665	568.8	.00267	.000524			
203	10.0	.9	.9	.93999	573.8	.00206	.000404			
204	14.0	.0	1.8	.92498	572.5	.00216	.000424	.00216	.000424	
205	18.0	2.1	1.0	.94221	575.5	.00146	.000286			
206	22.9	.0	2.0	.98499	597.1	.00124	.000243			
207	27.3	1.9	1.8	.96721	590.5	.00200	.000392			
208	27.3	-1.9	1.8	.95832	582.8	.00151	.000296			
209	35.0	4.2	2.0	.92221	561.5	.00160	.000314			
211	36.0	.0	2.0	.97388	584.5	.00021	.000041			
212	36.0	-3.0	2.0	.96944	581.5	.00021	.000041			
213	10.0	.0	1.3	.92721	567.8	.00229	.000449	.00215	.000422	
214	10.0	-.9	.9	.93110	571.8	.00238	.000467			
215	18.0	.0	2.4	.93110	564.8	.00158	.000310	.00149	.000292	
216	18.0	-2.1	1.0	.93387	574.1	.00285	.000559			
217	23.8	.0	1.5	.99110	601.8	.00127	.000249			
218	27.2	.0	.6	.97833	595.1	.00151	.000296			
219	30.2	.0	2.0	.96388	597.1	.00267	.000524			
220	30.5	.0	2.9	.95554	595.8	.00396	.000777			
221	30.5	1.0	2.9	.95221	587.8	.00338	.000663			
222	33.0	.0	4.3	.92165	572.8	.00330	.000647			
223	35.0	.0	4.6	.93610	579.8	.00294	.000577			
224	35.0	-4.2	2.0	.92332	568.8	.00292	.000573			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

6. Engine Fairing; $\alpha = 10^{o}$ - Continued

(e) M = 3.51; R = 2.76×10^{6}; $T_t = 714^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94031	567.1	.00133	.000372			1.02
2	2.0	.0		.94477	569.8	.00131	.000367			1.06
3	2.0	12.0		.94477	570.5	.00154	.000431			1.12
4	8.0	.0		.93919	566.5	.00134	.000375			1.03
5	9.0	.0		.93919	566.5	.00132	.000369	.00126	.000353	.99
6	10.0	.0		.94421	569.5	.00153	.000428	.00164	.000459	1.14
7	11.0	.0		.93864	566.1	.00134	.000375			1.01
9	12.0	1.0		.93975	566.8	.00135	.000378	.00135	.000378	.87
10	12.0	3.0		.94143	568.1	.00154	.000431	.00153	.000428	.99
11	12.0	5.0		.94923	572.8	.00135	.000378			.87
12	14.0	4.0		.94700	572.5	.00136	.000381	.00142	.000397	.88
13	14.0	1.0		.94756	571.1	.00134	.000375	.00151	.000423	.99
14	14.0	.0		.93808	565.5	.00132	.000369	.00119	.000333	1.04
15	14.0	-1.0		.93919	566.5	.00132	.000369	.00132	.000369	.99
16	14.0	-2.0		.94143	567.5	.00132	.000369	.00140	.000392	1.01
17	13.0	-2.6		.93808	565.8	.00133	.000372			1.02
18	12.0	-3.0		.93975	566.8	.00132	.000369			1.01
19	14.0	-3.0		.93864	565.8	.00133	.000372	.00131	.000367	1.06
20	14.0	-4.0		.93696	565.1	.00134	.000375	.00133	.000372	1.03
21	16.0	-4.0		.93752	565.1	.00134	.000375	.00134	.000375	1.03
22	14.0	-6.0		.93641	564.8	.00136	.000381	.00134	.000375	1.04
23	14.0	-8.0		.94198	567.8	.00133	.000372	.00134	.000375	1.06
24	14.0	-12.0		.94254	568.5	.00136	.000381			1.01
25	16.0	-8.0		.93752	565.5	.00133	.000372	.00131	.000367	1.03
26	18.0	-8.0		.94031	566.8	.00132	.000369	.00134	.000375	1.00
27	16.0	-2.0		.93752	565.1	.00136	.000381	.00132	.000369	1.03
28	18.0	-2.0		.94477	569.8	.00153	.000428	.00154	.000431	1.15
29	20.0	-3.0		.94477	569.8	.00132	.000369	.00141	.000395	1.00
30	18.0	-4.0		.93752	565.1	.00133	.000372	.00132	.000369	1.07
31	20.0	-4.0		.93752	565.1	.00135	.000378	.00129	.000361	1.03
32	20.0	-5.0		.93473	563.5	.00128	.000358	.00114	.000319	1.02
33	20.0	-6.0		.93919	566.1	.00132	.000369	.00134	.000375	1.04
34	20.0	-7.0		.94143	567.5	.00131	.000367	.00141	.000395	1.02
35	20.0	-8.0		.93417	563.1	.00134	.000375			
36	20.0	-12.0		.93641	564.8	.00136	.000381			1.05
37	14.0	5.0		.93919	566.8	.00154	.000431	.00142	.000397	.99
38	14.0	6.0		.94254	569.1	.00154	.000431			.99
39	32.0	8.0		.93864	567.1	.00157	.000439	.00157	.000439	1.05
40	32.0	10.0		.93808	567.1	.00161	.000450	.00161	.000450	1.05
41	32.0	12.0		.93641	565.8	.00160	.000448			1.06
42	50.0	-8.0		.91744	552.1	.00085	.000238			.64
43	50.0	-5.0		.93529	558.5	.00022	.000062			.17
44	50.0	.0		.94031	561.8	.00025	.000070			.19
45	50.0	6.0		.94087	569.5	.00148	.000414			.95
46	58.0	.0		.92358	557.5	.00142	.000397			1.04
47	58.0	6.0		.93641	564.8	.00133	.000372			.86
48	58.0	12.0		.94254	569.8	.00165	.000462			1.11
49	32.0	-7.0		.94477	570.1	.00154	.000431			1.16
50	32.0	-8.0		.94310	569.1	.00154	.000431			1.13
51	32.0	-10.0		.94143	568.1	.00154	.000431			1.18
52	32.0	-12.0		.93919	566.5	.00136	.000381			.99
53	42.0	-7.0		.94589	574.1	.00227	.000635			1.69
54	42.0	-8.0		.95147	576.5	.00194	.000543			1.46
55	42.0	-9.0		.95147	574.8	.00156	.000437			1.14
56	42.0	-10.0		.94756	572.1	.00155	.000434			1.17
57	42.0	-12.0		.94477	570.5	.00145	.000406			1.08
73	14.0	2.0		.94031	567.8	.00143	.000400			1.04
74	16.0	.0		.94031	567.1	.00138	.000386	.00138	.000386	
75	18.0	.0		.94310	569.5	.00154	.000431	.00154	.000431	1.16
76	20.0	.0		.94923	572.8	.00153	.000428			1.14
77	20.0	-1.0		.94366	569.5	.00154	.000431	.00147	.000411	1.14
78	20.0	-2.0		.94421	570.1	.00154	.000431	.00156	.000437	1.20
79	32.0	-4.0		.94923	574.8	.00176	.000492			1.34
81	32.0	4.0		.94477	570.1	.00139	.000389			1.01
82	32.0	6.0		.94031	567.8	.00155	.000434	.00154	.000431	1.00
201	2.0	.0	.3	.93027	563.8	.00212	.000593			
203	10.0	.9	.9	.94756	574.8	.00145	.000406			
204	14.0	.0	1.8	.93306	565.1	.00194	.000543	.00194	.000543	
205	18.0	2.1	1.0	.94923	572.8	.00123	.000344			
206	22.9	.0	2.0	.98995	594.8	.00094	.000263			
207	27.3	1.9	1.8	.97155	588.1	.00155	.000434			
208	27.3	-1.9	1.8	.96485	583.5	.00124	.000347			
209	35.0	4.2	2.0	.95083	562.5	.00138	.000386			
213	10.0	.0	1.3	.93473	567.1	.00175	.000490	.00161	.000450	
214	10.0	-.9	.9	.93752	570.5	.00211	.000590			
215	18.0	.0	2.4	.93696	563.5	.00123	.000344	.00113	.000316	
216	18.0	-2.1	1.0	.94087	572.8	.00211	.000590			
217	23.8	.0	1.5	.99665	598.8	.00092	.000257			
218	27.2	.0	.6	.98215	593.8	.00114	.000319			
219	30.2	.0	2.0	.96764	587.1	.00222	.000621			
220	30.5	.0	2.9	.95816	588.1	.00321	.000898			
221	30.5	1.0	2.9	.95649	581.8	.00262	.000733			
222	33.0	.0	4.3	.92971	572.8	.00253	.000708			
223	35.0	.0	4.6	.94421	578.1	.00232	.000649			
224	35.0	-4.2	2.0	.93194	566.5	.00232	.000649			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

6. Engine Fairing; $\alpha = 10^{o}$ - Continued

(f) M = 3.51; R = 1.60×10^{6}; $T_t = 705^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95111	568.1	.00079	.000386			.90
2	2.0	.0		.95448	570.1	.00071	.000347			.82
3	2.0	12.0		.95561	573.1	.00089	.000435			1.02
4	8.0	.0		.95055	567.5	.00087	.000425			1.12
5	9.0	.0		.95055	568.1	.00087	.000425	.00077	.000376	.99
6	10.0	.0		.95448	569.8	.00087	.000425	.00095	.000464	.99
7	11.0	.0		.95055	567.5	.00074	.000362	.00074	.000362	.97
8	11.5	.0		.94886	566.8	.00074	.000362	.00072	.000352	.91
9	12.0	1.0		.95167	568.1	.00087	.000425	.00087	.000425	.99
10	12.0	3.0		.95392	569.8	.00079	.000386	.00079	.000386	.90
11	12.0	5.0		.95673	572.1	.00082	.000401			.99
12	14.0	4.0		.95729	571.5	.00070	.000342	.00073	.000357	.80
13	14.0	1.0		.95673	571.1	.00078	.000381	.00090	.000440	.90
14	14.0	.0		.94999	567.1	.00071	.000347	.00063	.000308	.82
15	14.0	-1.0		.94999	567.1	.00071	.000347	.00070	.000342	.88
16	14.0	-2.0		.95167	567.8	.00087	.000425	.00092	.000449	1.14
17	13.0	-2.0		.94999	566.8	.00072	.000352			.95
18	12.0	-3.0		.95055	567.1	.00071	.000347			.91
19	14.0	-3.0		.94943	566.5	.00074	.000362	.00072	.000352	.95
20	14.0	-4.0		.94830	566.1	.00073	.000357	.00073	.000357	.84
21	16.0	-4.0		.94886	566.1	.00087	.000425	.00087	.000425	1.00
22	14.0	-6.0		.94830	565.8	.00087	.000425	.00086	.000420	1.12
23	14.0	-8.0		.95111	568.1	.00082	.000401	.00083	.000405	1.09
24	14.0	-12.0		.95055	568.1	.00082	.000401			.94
25	16.0	-8.0		.94830	565.8	.00071	.000347	.00070	.000342	.90
26	18.0	-8.0		.94943	566.5	.00071	.000347	.00072	.000352	.82
27	16.0	-2.0		.94943	566.8	.00087	.000425	.00085	.000415	.99
28	18.0	-2.0		.95392	570.1	.00082	.000401	.00083	.000405	.93
29	20.0	-3.0		.95336	569.1	.00072	.000352	.00074	.000362	.83
30	18.0	-4.0		.94943	566.5	.00071	.000347	.00070	.000342	.90
31	20.0	-4.0		.95055	567.1	.00087	.000425	.00086	.000420	1.07
32	20.0	-5.0		.94774	565.8	.00078	.000381	.00073	.000357	.90
33	20.0	-6.0		.95055	566.8	.00075	.000366	.00077	.000376	.86
34	20.0	-7.0		.95167	567.5	.00072	.000352	.00079	.000386	.92
35	20.0	-8.0		.94662	564.5	.00072	.000352			
36	20.0	-12.0		.94718	565.5	.00087	.000425			1.00
37	14.0	5.0		.95280	569.1	.00087	.000425	.00082	.000401	1.00
38	14.0	6.0		.95336	569.8	.00079	.000386			.90
39	32.0	8.0		.95055	568.1	.00093	.000454	.00093	.000454	.99
40	32.0	10.0		.94999	568.1	.00097	.000474	.00097	.000474	.97
41	32.0	12.0		.94943	569.8	.00093	.000454			1.01
43	50.0	-5.0		.95167	563.8	.00017	.000083			.19
44	50.0	.0		.95617	566.8	.00015	.000073			.17
45	50.0	6.0		.95280	568.8	.00082	.000401			.93
46	58.0	.0		.93931	563.5	.00090	.000440			1.14
47	58.0	6.0		.94886	566.5	.00087	.000425			1.00
48	58.0	12.0		.95280	569.8	.00097	.000474			1.05
49	32.0	-7.0		.95504	571.8	.00088	.000430			1.13
50	32.0	-8.0		.95280	570.5	.00088	.000430			1.01
51	32.0	-10.0		.95280	568.8	.00080	.000391			.99
52	32.0	-12.0		.94999	567.1	.00087	.000425			.99
53	42.0	-7.0		.95504	572.8	.00125	.000611			1.60
54	42.0	-8.0		.95898	574.8	.00124	.000606			1.59
55	42.0	-9.0		.95898	573.5	.00086	.000420			.99
56	42.0	-10.0		.95729	573.5	.00088	.000430			1.11
57	42.0	-12.0		.95448	571.8	.00088	.000430			1.00
73	14.0	2.0		.95167	568.8	.00079	.000386			.98
74	16.0	.0		.95111	568.8	.00087	.000425	.00081	.000396	
75	18.0	.0		.95448	570.5	.00082	.000401	.00082	.000401	1.05
76	20.0	.0		.95785	573.8	.00088	.000430			1.11
77	20.0	-1.0		.95392	569.8	.00088	.000430	.00083	.000405	1.13
78	20.0	-2.0		.95504	572.1	.00088	.000430	.00093	.000454	1.01
79	32.0	-4.0		.95673	572.8	.00104	.000508			1.33
81	32.0	4.0		.95785	573.8	.00088	.000430			1.00
82	32.0	6.0		.95224	569.1	.00080	.000391	.00079	.000386	.87
201	2.0	.0	.3	.93875	563.1	.00127	.000620			
202	6.0	.0	.8	.94549	566.8	.00089	.000435	.00089	.000435	
203	10.0	.9	.9	.95561	572.8	.00088	.000430			
204	14.0	.0	1.8	.94212	564.8	.00102	.000498	.00102	.000498	
205	18.0	2.1	1.0	.95785	571.8	.00068	.000332			
206	22.9	.0	2.0	.98932	589.1	.00058	.000283			
207	27.3	1.9	1.8	.97359	582.8	.00092	.000449			
208	27.3	-1.9	1.8	.96684	576.5	.00068	.000332			
209	35.0	4.2	2.0	.94212	562.5	.00070	.000342			
210	36.0	3.0	2.0	.97921	580.5	.00012	.000059			
213	10.0	.0	1.3	.94381	564.8	.00084	.000410	.00071	.000347	
214	10.0	-.9	.9	.94605	567.1	.00126	.000616			
215	18.0	.0	2.4	.94493	563.5	.00071	.000347	.00064	.000313	
216	18.0	-2.1	1.0	.95055	572.1	.00109	.000532			
217	23.8	.0	1.5	.99550	592.8	.00047	.000230			
218	27.2	.0	.6	.98314	587.1	.00068	.000332			
219	30.2	.0	2.0	.97134	584.1	.00130	.000635			
220	30.5	.0	2.9	.96123	580.1	.00200	.000977			
221	30.5	1.0	2.9	.96010	577.8	.00161	.000787			
222	33.0	.0	4.3	.93875	565.1	.00165	.000806			
223	35.0	.0	4.6	.95167	572.1	.00132	.000645			
224	35.0	-4.2	2.0	.94381	566.8	.00127	.000620			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

6. Engine Fairing; $\alpha = 10^{o}$ - Continued

(g) $M = 4.44$; $R = 4.38 \times 10^{6}$; $T_t = 695^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.92538	567.5	.00082	.000209			1.12
2	2.0	.0		.92977	569.5	.00103	.000263			1.34
3	2.0	12.0		.92758	570.1	.00123	.000314			.92
4	8.0	.0		.92538	566.8	.00099	.000253			.93
5	9.0	.0		.92429	566.1	.00104	.000265	.00098	.000250	.98
6	10.0	.0		.92703	567.5	.00103	.000263	.00111	.000283	1.32
7	11.0	.0		.92429	566.1	.00100	.000255			.94
9	12.0	1.0		.92593	567.1	.00103	.000263	.00102	.000260	.97
10	12.0	3.0		.92977	569.5	.00103	.000263	.00102	.000260	.92
11	12.0	5.0		.93690	573.8	.00102	.000260			.89
12	14.0	4.0		.93471	572.8	.00090	.000230	.00104	.000265	.83
13	14.0	1.0		.93416	572.1	.00100	.000255			1.28
14	14.0	.0		.92319	565.8	.00103	.000263	.00081	.000207	.98
15	14.0	-1.0		.92483	566.5	.00103	.000263	.00101	.000258	1.20
16	14.0	-2.0		.92758	567.5	.00097	.000248	.00112	.000286	1.05
17	13.0	-2.0		.92374	565.5	.00097	.000248			1.14
18	12.0	-3.0		.92593	567.5	.00090	.000230			1.06
19	14.0	-3.0		.92429	566.5	.00090	.000230	.00087	.000222	1.06
20	14.0	-4.0		.92209	564.8	.00086	.000220	.00084	.000214	.99
21	16.0	-4.0		.92319	565.8	.00090	.000230	.00090	.000230	.89
22	14.0	-6.0		.92154	563.8	.00097	.000248	.00094	.000240	1.13
23	14.0	-8.0		.92867	568.8	.00089	.000227	.00091	.000232	1.13
24	14.0	-12.0		.92758	567.5	.00101	.000258			1.22
25	16.0	-8.0		.92374	564.8	.00097	.000248	.00093	.000237	1.23
26	18.0	-8.0		.92703	567.1	.00085	.000217	.00090	.000230	1.20
27	16.0	-2.0		.92319	565.5	.00090	.000230	.00081	.000207	1.06
28	18.0	-2.0		.92977	569.1	.00102	.000260	.00105	.000268	1.19
29	20.0	-3.0		.93416	571.5	.00099	.000253	.00123	.000314	
30	18.0	-4.0		.92319	565.1	.00086	.000220	.00083	.000212	1.01
31	20.0	-4.0		.92319	564.8	.00090	.000230	.00083	.000212	1.05
32	20.0	-5.0		.91880	562.1	.00090	.000230	.00076	.000194	1.17
33	20.0	-6.0		.92538	567.1	.00090	.000230	.00096	.000245	1.11
34	20.0	-7.0		.92977	568.1	.00081	.000207	.00108	.000276	1.09
35	20.0	-8.0		.91880	562.1	.00086	.000220			
36	20.0	-12.0		.92264	563.8	.00096	.000245			1.14
37	14.0	5.0		.92648	567.8	.00131	.000334	.00110	.000281	1.21
38	14.0	6.0		.93032	570.5	.00131	.000334			1.20
39	32.0	8.0		.92593	569.5	.00130	.000332	.00130	.000332	1.15
40	32.0	10.0		.92264	568.8	.00137	.000350	.00138	.000352	1.03
41	32.0	12.0		.91825	565.5	.00133	.000340			.99
42	50.0	-8.0		.90124	549.1	.00056	.000143			.73
45	50.0	6.0		.92977	571.5	.00116	.000296			1.04
46	58.0	.0		.90508	556.5	.00120	.000306			1.12
47	58.0	6.0		.92429	567.1	.00122	.000311			.99
48	58.0	12.0		.92483	568.8	.00148	.000378			.99
49	32.0	-7.0		.93087	570.5	.00102	.000260			1.11
50	32.0	-8.0		.92922	569.8	.00090	.000230			1.17
51	32.0	-10.0		.92867	568.1	.00098	.000250			1.14
52	32.0	-12.0		.92538	566.8	.00089	.000227			1.13
53	42.0	-7.0		.92867	573.1	.00163	.000416			1.96
54	42.0	-8.0		.93800	577.1	.00152	.000388			1.97
55	42.0	-9.0		.93910	577.8	.00129	.000329			1.63
56	42.0	-10.0		.93581	574.8	.00115	.000294			1.35
57	42.0	-12.0		.93087	569.5	.00102	.000260			1.21
73	14.0	2.0		.92538	568.8	.00117	.000299			1.09
74	16.0	.0		.92429	566.1	.00103	.000263	.00101	.000258	
75	18.0	.0		.92922	570.1	.00122	.000311	.00122	.000311	1.16
76	20.0	.0		.93471	573.8	.00121	.000309			1.55
77	20.0	-1.0		.92922	570.1	.00121	.000309	.00108	.000276	1.55
78	20.0	-2.0		.93087	570.1	.00121	.000309	.00128	.000327	1.14
79	32.0	-4.0		.93416	574.8	.00148	.000378			1.74
81	32.0	4.0		.93306	572.1	.00107	.000273			1.02
82	32.0	6.0		.92867	570.8	.00116	.000296	.00115	.000294	.94
201	2.0	.0	.3	.91112	561.1	.00159	.000406			
203	10.0	.9	.9	.93032	569.8	.00102	.000260			
204	14.0	.0	1.8	.91112	562.8	.00141	.000360	.00141	.000360	
205	18.0	2.1	1.0	.93087	570.8	.00075	.000191			
206	22.9	.0	2.0	.98079	598.8	.00064	.000163			
207	27.3	1.9	1.8	.96049	590.1	.00112	.000286			
208	27.3	-1.9	1.8	.95062	580.5	.00082	.000209			
209	35.0	4.2	2.0	.91660	561.1	.00077	.000197			
212	36.0	-3.0	2.0	.96269	584.1	.00017	.000043			
213	10.0	.0	1.3	.91331	561.5	.00126	.000322	.00097	.000248	
214	10.0	-.9	.9	.91715	564.8	.00152	.000388			
215	18.0	.0	2.4	.91660	560.5	.00103	.000263	.00092	.000235	
216	18.0	-2.1	1.0	.92209	569.1	.00164	.000419			
217	23.8	.0	1.5	.98902	603.8	.00066	.000168			
218	27.2	.0	.6	.97037	594.8	.00086	.000220			
219	30.2	.0	2.0	.95556	588.5	.00156	.000398			
220	30.5	.0	2.9	.94404	584.5	.00225	.000574			
221	30.5	1.0	2.9	.94568	583.5	.00200	.000511			
222	33.0	.0	4.3	.91222	566.1	.00199	.000508			
223	35.0	.0	4.6	.92703	573.8	.00177	.000452			
224	35.0	-4.2	2.0	.91167	562.5	.00165	.000421			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

6. Engine Fairing; $\alpha = 10^{o}$ - Continued

(h) $M = 4.44$; $R = 3.13 \times 10^{6}$; $T_t = 693^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.92656	565.5	.00063	.000227			1.03
2	2.0	.0		.93204	570.5	.00077	.000278			1.01
3	2.0	12.0		.92985	569.1	.00098	.000353			1.17
4	8.0	.0		.92820	567.8	.00077	.000278			1.03
5	9.0	.0		.92711	566.5	.00071	.000256	.00064	.000231	.99
6	10.0	.0		.93040	568.1	.00073	.000263	.00082	.000296	1.03
7	11.0	.0		.92766	566.5	.00070	.000252			.99
9	12.0	1.0		.92930	567.5	.00073	.000263	.00072	.000260	.89
10	12.0	4.0		.93368	570.8	.00085	.000306	.00084	.000303	.94
11	12.0	5.0		.94081	574.8	.00071	.000256			.79
12	14.0	4.0		.93697	572.5	.00070	.000252	.00079	.000285	.92
13	14.0	1.0		.93862	573.8	.00064	.000231			.88
14	14.0	.0		.92656	565.8	.00070	.000252			.96
15	14.0	-1.0		.92766	567.5	.00077	.000278	.00075	.000270	.91
16	14.0	-2.0		.93094	568.1	.00058	.000209	.00076	.000274	.76
17	13.0	-2.0		.92711	565.8	.00064	.000231			.89
18	12.0	-3.0		.92875	567.8	.00076	.000274			1.09
19	14.0	-3.0		.92711	565.8	.00064	.000231	.00061	.000220	.91
20	14.0	-4.0		.92492	564.5	.00063	.000227	.00061	.000220	.89
21	16.0	-4.0		.92601	565.1	.00059	.000213	.00059	.000213	.84
22	14.0	-6.0		.92437	564.5	.00076	.000274	.00065	.000234	1.19
23	14.0	-8.0		.93149	568.5	.00066	.000238	.00068	.000245	1.14
24	14.0	-12.0		.93040	567.5	.00058	.000209			.87
25	16.0	-8.0		.92656	565.1	.00058	.000209	.00055	.000198	.84
26	18.0	-8.0		.92985	567.5	.00068	.000245	.00073	.000263	1.01
27	16.0	-2.0		.92656	565.5	.00064	.000231	.00059	.000213	.90
28	18.0	-2.0		.93314	570.5	.00076	.000274	.00078	.000281	1.07
29	20.0	-3.0		.93862	572.8	.00068	.000245			.96
30	18.0	-4.0		.92601	565.1	.00059	.000213	.00056	.000202	.86
31	20.0	-4.0		.92711	565.5	.00060	.000216	.00048	.000173	.74
32	20.0	-5.0		.92218	562.5	.00061	.000220			1.00
33	20.0	-6.0		.92875	566.5	.00060	.000216	.00065	.000234	.98
34	20.0	-7.0		.93259	568.8	.00060	.000216			.87
35	20.0	-8.0		.92163	562.1	.00059	.000213			
36	20.0	-12.0		.92492	564.1	.00067	.000242			.88
37	14.0	5.0		.92930	567.8	.00077	.000278	.00064	.000231	.91
38	14.0	6.0		.93368	570.8	.00073	.000263			.81
39	32.0	8.0		.92875	568.5	.00086	.000310	.00086	.000310	.86
40	32.0	10.0		.92601	566.5	.00102	.000368	.00103	.000371	.98
41	32.0	12.0		.92163	563.8	.00104	.000375			.88
45	50.0	6.0		.93752	570.1	.00077	.000278			.96
46	58.0	.0		.91231	558.8	.00092	.000332			1.08
47	58.0	6.0		.92875	567.1	.00073	.000263			.74
48	58.0	12.0		.92820	568.5	.00104	.000375			.95
49	52.0	-7.0		.93368	571.1	.00076	.000274			1.10
50	32.0	-8.0		.93204	569.1	.00072	.000260			1.16
51	32.0	-10.0		.93204	568.8	.00070	.000252			1.01
52	32.0	-12.0		.92875	566.5	.00057	.000206			.75
53	42.0	-7.0		.93314	574.5	.00126	.000454			2.00
54	42.0	-8.0		.94081	578.8	.00124	.000447			1.63
55	42.0	-9.0		.94136	575.8	.00100	.000361			1.32
56	42.0	-10.0		.93862	573.8	.00084	.000303			1.47
57	42.0	-12.0		.93368	570.8	.00076	.000274			1.25
73	14.0	2.0		.92875	568.1	.00077	.000278			1.01
74	16.0	.0		.92766	567.5	.00077	.000278	.00076	.000274	
75	18.0	.0		.93204	570.1	.00086	.000310	.00086	.000310	1.01
76	20.0	.0		.93697	572.5	.00076	.000274			1.00
77	20.0	-1.0		.93204	569.5	.00079	.000285	.00068	.000245	1.04
78	20.0	-2.0		.93423	570.5	.00072	.000260	.00069	.000249	.95
79	32.0	-4.0		.93697	573.5	.00111	.000400			1.46
81	32.0	4.0		.93697	572.5	.00079	.000285			1.05
82	32.0	6.0		.93204	569.5	.00076	.000274	.00075	.000270	.96
201	2.0	.0	.3	.91341	562.5	.00129	.000465			
203	10.0	.9	.9	.93642	572.1	.00071	.000256			
204	14.0	.0	1.8	.91724	561.8	.00110	.000397	.00110	.000397	
205	18.0	2.1	1.0	.93588	570.8	.00055	.000198			
206	22.9	.0	2.0	.98191	598.1	.00047	.000169			
207	27.3	1.9	1.8	.96218	588.8	.00087	.000314			
208	27.3	-1.9	1.8	.95441	580.8	.00055	.000198			
209	35.0	4.2	2.0	.92272	563.1	.00066	.000238			
213	10.0	.0	1.3	.91889	562.1	.00102	.000368	.00075	.000270	
214	10.0	-.9	.9	.92163	564.5	.00114	.000411			
215	18.0	.0	2.4	.92163	562.5	.00073	.000263	.00063	.000227	
216	18.0	-2.1	1.0	.92766	570.5	.00132	.000476			
217	23.8	.0	1.5	.99013	603.1	.00050	.000180			
218	27.2	.0	.6	.97040	592.5	.00060	.000216			
219	30.2	.0	2.0	.95780	588.8	.00122	.000440			
220	30.5	.0	2.9	.94629	581.8	.00171	.000617			
221	30.5	1.0	2.9	.94848	581.8	.00130	.000469			
222	33.0	.0	4.3	.91779	564.1	.00163	.000588			
223	35.0	.0	4.6	.93314	573.1	.00141	.000508			
224	35.0	-4.2	2.0	.91998	565.8	.00133	.000480			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

6. Engine Fairing; $\alpha = 10^{0}$ - Concluded

(i) M = 4.44; R = 2.11×10^{6}; $T_t = 689^{0}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{0}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.92966	565.8	.00052	.000280			.96
2	2.0	.0		.93625	570.1	.00052	.000280			.63
3	2.0	12.0		.93460	570.1	.00067	.000361			.97
4	8.0	.0		.93295	568.1	.00052	.000280			.98
5	9.0	.0		.93240	567.5	.00051	.000275			.77
6	10.0	.0		.93680	570.1	.00057	.000307	.00072	.000388	.97
7	11.0	.0		.93240	567.5	.00052	.000280			.98
9	12.0	1.0		.93405	568.8	.00063	.000339	.00062	.000334	.95
10	12.0	3.0		.93900	571.8	.00063	.000339	.00062	.000334	1.11
11	12.0	5.0		.94669	576.5	.00051	.000275			.91
12	14.0	4.0		.94229	573.8	.00049	.000264	.00058	.000312	.92
13	14.0	1.0		.94449	574.8	.00051	.000275			.86
14	14.0	.0		.93185	567.1	.00062	.000334			1.17
15	14.0	-1.0		.93295	567.8	.00051	.000275	.00049	.000264	.78
16	14.0	-2.0		.93625	569.5	.00053	.000285			1.00
17	13.0	-2.0		.93240	567.1	.00051	.000275			.96
18	12.0	-3.0		.93350	567.8	.00057	.000307			1.08
19	14.0	-3.0		.93240	567.1	.00051	.000275			.96
20	14.0	-4.0		.92966	565.8	.00048	.000258	.00046	.000248	.91
22	14.0	-6.0		.92911	565.1	.00051	.000275			.96
23	14.0	-8.0		.93625	569.5	.00050	.000269	.00052	.000280	.98
24	14.0	-12.0		.93515	568.5	.00048	.000258			
25	16.0	-8.0		.93075	566.1	.00051	.000275			.96
27	16.0	-2.0		.93185	566.8	.00051	.000275			.96
29	20.0	-3.0		.94394	574.1	.00051	.000275			.93
30	18.0	-4.0		.93130	566.5	.00051	.000275			.96
31	20.0	-4.0		.93240	567.1	.00050	.000269			.96
32	20.0	-5.0		.92691	563.8	.00052	.000280			.98
33	20.0	-6.0		.93350	567.8	.00047	.000253	.00051	.000275	.89
34	20.0	-7.0		.93845	570.5	.00049	.000264			.92
35	20.0	-8.0		.92636	563.1	.00051	.000275			
36	20.0	-12.0		.92911	564.8	.00051	.000275			1.04
37	14.0	5.0		.93460	569.1	.00052	.000280			.79
38	14.0	6.0		.93955	572.1	.00051	.000275			.94
39	32.0	8.0		.93460	569.5	.00066	.000355	.00066	.000355	.81
40	32.0	10.0		.93130	567.8	.00078	.000420	.00079	.000425	1.22
41	32.0	12.0		.92691	565.1	.00063	.000339			.77
42	50.0	-8.0		.91372	554.8	.00038	.000205			.72
45	50.0	6.0		.93790	571.5	.00064	.000345			.97
46	58.0	.0		.92306	562.5	.00064	.000345			1.21
47	58.0	6.0		.93350	568.5	.00052	.000280			.91
48	58.0	12.0		.93405	570.8	.00079	.000425			.98
50	32.0	-8.0		.93735	570.1	.00056	.000302			1.06
51	32.0	-10.0		.93735	570.1	.00051	.000275			
52	32.0	-12.0		.93460	568.1	.00047	.000253			.90
53	42.0	-7.0		.93845	573.1	.00078	.000420			1.47
54	42.0	-8.0		.94504	577.5	.00088	.000474			
55	42.0	-9.0		.94559	577.1	.00077	.000415			1.45
56	42.0	-10.0		.94339	574.1	.00051	.000275			1.00
73	14.0	2.0		.93295	567.8	.00051	.000275			.62
74	16.0	.0		.93295	567.8	.00051	.000275	.00050	.000269	
75	18.0	.0		.93735	570.8	.00077	.000415	.00077	.000415	1.20
76	20.0	.0		.94120	573.1	.00077	.000415			1.33
77	20.0	-1.0		.93680	570.8	.00064	.000345	.00054	.000291	1.21
78	20.0	-2.0		.93900	571.8	.00077	.000415	.00074	.000398	1.45
79	32.0	-4.0		.94065	573.8	.00071	.000382			1.34
81	32.0	4.0		.94229	573.8	.00057	.000307			.86
82	32.0	6.0		.93735	570.8	.00055	.000296	.00054	.000291	.68
201	2.0	.0	.3	.92031	562.8	.00081	.000436			
203	10.0	.9	.9	.94284	573.8	.00051	.000275			
204	14.0	.0	1.8	.92526	564.8	.00069	.000371	.00069	.000371	
205	18.0	2.1	1.0	.94229	573.1	.00050	.000269			
206	22.9	.0	2.0	.98131	596.1	.00040	.000215			
207	27.3	1.9	1.8	.96318	586.5	.00064	.000345			
208	27.3	-1.9	1.8	.95603	580.8	.00041	.000221			
209	35.0	4.2	2.0	.93021	565.8	.00049	.000264			
213	10.0	.0	1.3	.92471	563.8	.00065	.000350			
214	10.0	-.9	.9	.92636	566.5	.00080	.000431			
215	18.0	.0	2.4	.92966	565.8	.00063	.000339	.00055	.000296	
216	18.0	-2.1	1.0	.93460	570.8	.00075	.000404			
217	23.8	.0	1.5	.98900	600.8	.00044	.000237			
219	30.2	.0	2.0	.96043	585.8	.00078	.000420			
220	30.5	.0	2.9	.94944	582.1	.00148	.000797			
221	30.5	1.0	2.9	.95164	583.5	.00119	.000641			
222	33.0	.0	4.3	.92361	566.8	.00124	.000668			
223	35.0	.0	4.6	.93900	573.8	.00084	.000452			
224	35.0	-4.2	2.0	.93021	569.1	.00094	.000506			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{0}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

7. Corrugated Panel with 30° Wedge Leading Edge; $\alpha = 0^{\circ}$

(a) M = 2.65; R = 3.93×10^6; T_t = 712° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94440	584.5	.00328	.000461			1.05
2	2.0	.0		.94829	580.8	.00300	.000422			1.01
3	2.0	12.0		.94940	583.8	.00312	.000439			1.05
4	8.0	.0		.95774	590.8	.00411	.000578			1.33
5	9.0	.0		.96108	593.1	.00452	.000636	.00444	.000625	1.36
6	10.0	.0		.96831	599.8	.00514	.000723			1.69
42	50.0	-8.0		.95941	581.8	.00122	.000172			.39
43	50.0	-5.0		.96386	580.5	.00093	.000131			.29
44	50.0	.0		.95608	574.8	.00072	.000101			.22
45	50.0	6.0		.96163	579.1	.00086	.000121			.28
46	58.0	.0		.91772	561.5	.00308	.000433			1.05
47	58.0	6.0		.92995	570.8	.00342	.000481			1.08
48	58.0	12.0		.93773	575.1	.00323	.000454			1.03
301	1.0	1.5	1.1	.93829	567.8	.00158	.000222	.00141	.000198	
302	1.0	1.0	1.6	.91994	562.8	.00285	.000401	.00250	.000352	
303	1.0	.5	1.1	.93606	568.8	.00164	.000231	.00144	.000203	
304	1.0	.0	.6	.95663	578.1	.00138	.000194			
306	2.0	1.0	1.6	.91716	564.5	.00372	.000523	.00312	.000439	
307	2.0	.5	1.1	.93328	573.5	.00279	.000393	.00254	.000357	
308	2.0	.0	.6	.95441	584.5	.00294	.000414	.00361	.000508	
309	3.0	1.5	1.1	.93995	577.8	.00361	.000508	.00349	.000491	
310	3.0	1.0	1.6	.92939	570.8	.00363	.000511	.00332	.000467	
311	3.0	.5	1.1	.93662	578.1	.00348	.000490	.00297	.000418	
312	3.0	.0	.6	.96052	592.1	.00358	.000504	.00493	.000694	
313	4.0	1.5	1.1	.93773	577.1	.00382	.000537	.00346	.000487	
314	4.0	1.0	1.6	.92939	572.5	.00407	.000573	.00362	.000509	
315	4.0	.5	1.1	.94551	582.1	.00379	.000533	.00402	.000566	
316	4.0	.0	.6	.95941	592.1	.00328	.000461	.00402	.000566	
317	5.0	1.5	1.1	.94329	579.8	.00359	.000505	.00358	.000504	
318	5.0	1.0	1.6	.92939	574.1	.00352	.000495	.00288	.000405	
319	5.0	.5	1.1	.94384	582.1	.00331	.000466	.00319	.000449	
320	5.0	.0	.6	.96052	589.8	.00333	.000469	.00390	.000549	
321	6.0	1.5	1.1	.94440	581.8	.00317	.000446	.00325	.000457	
322	6.0	1.0	1.6	.93106	574.1	.00335	.000471	.00278	.000391	
323	6.0	.5	1.1	.94162	578.5	.00341	.000480	.00339	.000477	
324	6.0	.0	.6	.95385	585.1	.00315	.000443	.00356	.000501	
325	8.0	1.5	1.1	.94051	579.1	.00305	.000429	.00299	.000421	
326	8.0	1.0	1.6	.93384	574.8	.00318	.000447	.00278	.000391	
327	8.0	.5	1.1	.94273	583.8	.00273	.000384	.00274	.000386	
328	8.0	.0	.6	.95163	582.1	.00275	.000387	.00293	.000412	
329	10.0	1.5	1.1	.94885	583.1	.00287	.000404	.00283	.000398	
330	10.0	1.0	1.6	.94329	578.1	.00316	.000445	.00299	.000421	
331	10.0	.5	1.1	.94996	581.5	.00294	.000414	.00293	.000412	
332	10.0	.0	.6	.95830	589.1	.00241	.000339	.00276	.000388	
333	12.0	1.5	1.1	.94607	579.5	.00296	.000416	.00290	.000408	
334	12.0	1.0	1.6	.93717	576.8	.00317	.000446	.00261	.000367	
335	12.0	.5	1.1	.95441	587.8	.00262	.000369	.00289	.000407	
336	12.0	.0	.6	.95997	585.8	.00251	.000353	.00280	.000394	
337	14.0	1.5	1.1	.94996	582.5	.00259	.000364	.00255	.000359	
338	14.0	1.0	1.6	.93884	574.8	.00316	.000445	.00275	.000387	
339	14.0	.5	1.1	.94885	583.1	.00274	.000386	.00274	.000386	
340	14.0	.0	.6	.96330	586.8	.00215	.000302	.00256	.000360	
341	18.0	1.5	1.1	.95218	584.1	.00271	.000381	.00294	.000414	
342	18.0	1.0	1.6	.95052	581.1	.00292	.000411	.00280	.000394	
343	18.0	.5	1.1	.95552	584.1	.00242	.000340	.00286	.000402	
344	18.0	.0	.6	.94662	578.5	.00219	.000308	.00169	.000238	
345	22.0	1.5	1.1	.95608	586.1	.00257	.000362	.00256	.000360	
346	22.0	1.0	1.6	.95218	583.1	.00283	.000398	.00304	.000428	
347	22.0	.5	1.1	.95719	584.1	.00252	.000355	.00252	.000355	
348	22.0	.0	.6	.96219	587.1	.00202	.000284	.00212	.000298	
350	26.0	1.0	1.6	.95107	581.8	.00293	.000412	.00293	.000412	
351	26.0	.5	1.1	.95886	590.1	.00216	.000304	.00209	.000294	
352	26.0	.0	.6	.96997	589.8	.00209	.000294	.00210	.000295	
353	30.0	1.5	1.1	.95163	583.8	.00271	.000381	.00266	.000374	
354	30.0	1.0	1.6	.94662	579.5	.00275	.000387	.00289	.000407	
355	30.0	.5	1.1	.95719	583.8	.00252	.000355	.00262	.000369	
356	30.0	.0	.6	.96275	589.8	.00189	.000266	.00201	.000283	
358	8.0	-6.0	.6	.95218	583.1	.00294	.000414			
359	12.0	-6.0	.6	.95608	586.8	.00271	.000381	.00271	.000381	
360	16.0	-6.0	.6	.96052	589.1	.00268	.000377			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

7. Corrugated Panel with 30° Wedge Leading Edge; α = 0° - Continued

(b) M = 2.65; R = 2.53 × 10^6; T_t = 713° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95426	580.5	.00225	.000492			.93
2	2.0	.0		.95872	582.5	.00202	.000442			.91
3	2.0	12.0		.95928	582.8	.00199	.000435			1.00
4	8.0	.0		.96541	594.8	.00286	.000626			1.28
5	9.0	.0		.96876	592.5	.00293	.000641	.00286	.000626	1.31
6	10.0	.0		.97601	598.5	.00306	.000669			1.37
42	50.0	-8.0		.97043	582.5	.00083	.000182			.36
43	50.0	-5.0		.97266	583.1	.00070	.000153			.30
44	50.0	.0		.96653	578.8	.00043	.000094			.20
45	50.0	6.0		.97043	581.5	.00048	.000105			.22
46	58.0	.0		.93027	564.8	.00205	.000448			.90
47	58.0	6.0		.93975	572.1	.00234	.000512			1.06
48	58.0	12.0		.94421	574.1	.00227	.000497			.99
301	1.0	1.5	1.1	.95314	573.5	.00099	.000217	.00077	.000168	
302	1.0	1.0	1.6	.93696	570.5	.00165	.000361	.00151	.000330	
303	1.0	.5	1.1	.95147	573.8	.00119	.000260	.00086	.000188	
305	2.0	1.5	1.1	.94923	576.8	.00229	.000501	.00226	.000494	
306	2.0	1.0	1.6	.93027	567.8	.00259	.000567	.00195	.000427	
307	2.0	.5	1.1	.94477	574.1	.00213	.000466	.00190	.000416	
308	2.0	.0	.6	.96485	586.1	.00192	.000420	.00244	.000534	
309	3.0	1.5	1.1	.95091	579.8	.00252	.000551	.00245	.000536	
310	3.0	1.0	1.6	.94031	572.8	.00253	.000553	.00225	.000492	
311	3.0	.5	1.1	.94756	579.5	.00243	.000532	.00206	.000451	
312	3.0	.0	.6	.96876	592.1	.00241	.000527	.00352	.000770	
313	4.0	1.5	1.1	.94589	577.5	.00226	.000494	.00241	.000527	
314	4.0	1.0	1.6	.93752	572.5	.00245	.000536	.00228	.000499	
315	4.0	.5	1.1	.95258	586.5	.00224	.000490	.00244	.000534	
316	4.0	.0	.6	.96541	588.8	.00227	.000497	.00280	.000613	
317	5.0	1.5	1.1	.95035	579.5	.00252	.000551	.00251	.000549	
318	5.0	1.0	1.6	.93808	572.1	.00256	.000560	.00209	.000457	
319	5.0	.5	1.1	.95147	581.1	.00229	.000501	.00219	.000479	
320	5.0	.0	.6	.96597	588.5	.00198	.000433	.00278	.000608	
321	6.0	1.5	1.1	.95147	580.8	.00216	.000473	.00224	.000490	
322	6.0	1.0	1.6	.93864	573.5	.00232	.000508	.00177	.000387	
323	6.0	.5	1.1	.94979	580.5	.00230	.000503	.00234	.000512	
324	6.0	.0	.6	.96039	587.5	.00228	.000499	.00238	.000521	
325	8.0	1.5	1.1	.94812	578.5	.00204	.000446	.00195	.000427	
326	8.0	1.0	1.6	.94366	575.5	.00217	.000475	.00189	.000413	
327	8.0	.5	1.1	.95147	581.1	.00190	.000416	.00192	.000420	
328	8.0	.0	.6	.95760	585.1	.00192	.000420	.00191	.000418	
329	10.0	1.5	1.1	.95649	580.8	.00193	.000422	.00188	.000411	
330	10.0	1.0	1.6	.95258	579.1	.00212	.000464	.00205	.000448	
331	10.0	.5	1.1	.95704	583.8	.00178	.000389	.00169	.000370	
332	10.0	.0	.6	.96485	586.1	.00174	.000381	.00203	.000444	
333	12.0	1.5	1.1	.95481	579.8	.00193	.000422	.00187	.000409	
334	12.0	1.0	1.6	.94756	578.8	.00190	.000416	.00141	.000308	
335	12.0	.5	1.1	.96262	585.5	.00175	.000383	.00203	.000444	
336	12.0	.0	.6	.96708	585.5	.00140	.000306	.00175	.000383	
337	14.0	1.5	1.1	.95872	582.5	.00175	.000383	.00172	.000376	
338	14.0	1.0	1.6	.94923	579.5	.00190	.000416	.00153	.000335	
339	14.0	.5	1.1	.95760	582.8	.00177	.000387	.00175	.000383	
340	14.0	.0	.6	.97043	587.8	.00136	.000298	.00177	.000387	
341	18.0	1.5	1.1	.95983	582.1	.00175	.000383	.00191	.000418	
342	18.0	1.0	1.6	.95816	581.5	.00209	.000457	.00204	.000446	
343	18.0	.5	1.1	.96095	584.1	.00175	.000383	.00205	.000448	
344	18.0	.0	.6	.95147	575.5	.00155	.000339	.00109	.000238	
345	22.0	1.5	1.1	.96374	585.5	.00174	.000381	.00171	.000374	
346	22.0	1.0	1.6	.96151	583.8	.00209	.000457	.00208	.000455	
347	22.0	.5	1.1	.96374	586.1	.00149	.000326	.00143	.000313	
348	22.0	.0	.6	.96876	587.5	.00127	.000278	.00139	.000304	
350	26.0	1.0	1.6	.95983	582.8	.00209	.000457	.00209	.000457	
351	26.0	.5	1.1	.96708	588.8	.00140	.000306	.00134	.000293	
352	26.0	.0	.6	.97657	590.5	.00123	.000269	.00124	.000271	
353	30.0	1.5	1.1	.96039	582.1	.00190	.000416	.00183	.000400	
354	30.0	1.0	1.6	.95593	584.5	.00173	.000378	.00150	.000328	
355	30.0	.5	1.1	.96597	586.1	.00161	.000352	.00172	.000376	
356	30.0	.0	.6	.97043	585.8	.00128	.000280	.00142	.000311	
358	8.0	-6.0	.6	.95872	582.5	.00210	.000459			
359	12.0	-6.0	.6	.96318	585.5	.00175	.000383	.00175	.000383	
360	16.0	-6.0	.6	.96820	586.5	.00170	.000372			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

7. Corrugated Panel with 30° Wedge Leading Edge; $\alpha = 0^{\circ}$ - Continued

(c) $M = 2.65$; $R = 1.27 \times 10^6$; $T_t = 713^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95714	581.1	.00126	.000549			.98
2	2.0	.0		.96104	581.8	.00118	.000514			.93
3	2.0	12.0		.96215	581.5	.00115	.000501			1.04
4	8.0	.0		.96604	586.1	.00170	.000741			1.34
5	9.0	.0		.96994	588.8	.00168	.000732	.00161	.000702	1.31
6	10.0	.0		.97940	594.8	.00179	.000780			1.41
42	50.0	-8.0		.97439	584.5	.00035	.000153			.27
43	50.0	-5.0		.97773	586.1	.00033	.000144			.26
44	50.0	.0		.97161	582.1	.00026	.000113			.21
45	50.0	6.0		.97384	583.8	.00028	.000122			.23
46	58.0	.0		.94044	567.8	.00109	.000475			.90
47	58.0	6.0		.94768	575.5	.00127	.000554			.99
48	58.0	12.0		.94935	573.8	.00121	.000527			.91
301	1.0	1.5	1.1	.96938	582.1	.00060	.000261			
302	1.0	1.0	1.6	.95770	578.5	.00089	.000388	.00069	.000301	
303	1.0	.5	1.1	.96771	581.5	.00063	.000275			
305	2.0	1.5	1.1	.96159	581.8	.00118	.000514	.00118	.000514	
306	2.0	1.0	1.6	.94657	574.8	.00134	.000584			
307	2.0	.5	1.1	.95825	578.8	.00125	.000545	.00108	.000471	
308	2.0	.0	.6	.97161	587.1	.00092	.000401			
309	3.0	1.5	1.1	.96048	582.5	.00132	.000575	.00120	.000523	
310	3.0	1.0	1.6	.95269	577.5	.00132	.000575	.00111	.000484	
311	3.0	.5	1.1	.95770	579.5	.00144	.000628	.00111	.000484	
312	3.0	.0	.6	.97495	591.1	.00142	.000619			
313	4.0	1.5	1.1	.95547	581.1	.00136	.000593			
314	4.0	1.0	1.6	.94990	575.1	.00137	.000597			
315	4.0	.5	1.1	.96271	583.1	.00144	.000628	.00162	.000706	
316	4.0	.0	.6	.97217	588.5	.00142	.000619	.00186	.000811	
317	5.0	1.5	1.1	.96104	582.8	.00131	.000571	.00127	.000554	
318	5.0	1.0	1.6	.95157	577.1	.00145	.000632			
319	5.0	.5	1.1	.96215	583.1	.00125	.000545	.00124	.000540	
320	5.0	.0	.6	.97439	589.5	.00124	.000540			
321	6.0	1.5	1.1	.96326	584.1	.00115	.000501	.00124	.000540	
322	6.0	1.0	1.6	.95380	577.8	.00126	.000549	.00094	.000410	
323	6.0	.5	1.1	.96104	582.5	.00119	.000519	.00117	.000510	
324	6.0	.0	.6	.96994	586.1	.00103	.000449	.00131	.000571	
325	8.0	1.5	1.1	.96048	582.1	.00107	.000466	.00095	.000414	
326	8.0	1.0	1.6	.95881	579.1	.00125	.000545	.00112	.000488	
327	8.0	.5	1.1	.96382	581.8	.00101	.000440	.00102	.000445	
328	8.0	.0	.6	.96771	583.8	.00091	.000397	.00119	.000519	
329	10.0	1.5	1.1	.96827	584.5	.00100	.000436	.00089	.000388	
330	10.0	1.0	1.6	.96827	584.8	.00123	.000536	.00127	.000554	
331	10.0	.5	1.1	.96994	585.1	.00091	.000397	.00088	.000384	
332	10.0	.0	.6	.97551	587.8	.00086	.000375	.00109	.000475	
333	12.0	1.5	1.1	.96716	583.8	.00092	.000401	.00087	.000379	
334	12.0	1.0	1.6	.96271	581.1	.00100	.000436	.00066	.000288	
335	12.0	.5	1.1	.97495	587.8	.00086	.000375	.00112	.000488	
336	12.0	.0	.6	.97662	588.5	.00074	.000323			
337	14.0	1.5	1.1	.97105	586.1	.00093	.000405	.00091	.000397	
338	14.0	1.0	1.6	.96438	581.8	.00100	.000436	.00076	.000331	
339	14.0	.5	1.1	.96994	586.5	.00087	.000379	.00081	.000353	
340	14.0	.0	.6	.97940	589.5	.00066	.000288	.00097	.000423	
341	18.0	1.5	1.1	.96994	585.8	.00083	.000362	.00111	.000484	
342	18.0	1.0	1.6	.97161	585.8	.00099	.000431	.00102	.000445	
343	18.0	.5	1.1	.97217	586.1	.00086	.000375	.00117	.000510	
344	18.0	.0	.6	.96048	578.5	.00087	.000379			
345	22.0	1.5	1.1	.97606	588.5	.00092	.000401	.00088	.000384	
346	22.0	1.0	1.6	.97662	589.8	.00103	.000449	.00107	.000466	
347	22.0	.5	1.1	.97718	588.8	.00074	.000323	.00071	.000309	
348	22.0	.0	.6	.97940	589.1	.00064	.000279	.00068	.000296	
350	26.0	1.0	1.6	.97495	588.1	.00099	.000431	.00099	.000431	
351	26.0	.5	1.1	.98052	590.5	.00085	.000370	.00083	.000362	
352	26.0	.0	.6	.98775	593.8	.00064	.000279	.00065	.000283	
353	30.0	1.5	1.1	.97328	586.8	.00092	.000401	.00084	.000366	
354	30.0	1.0	1.6	.97105	585.8	.00091	.000397	.00080	.000349	
355	30.0	.5	1.1	.97940	589.8	.00085	.000370	.00096	.000418	
356	30.0	.0	.6	.98163	590.5	.00062	.000270	.00077	.000336	
358	8.0	-6.0	.6	.96938	586.1	.00105	.000458			
359	12.0	-6.0	.6	.97439	587.5	.00077	.000336	.00077	.000336	
360	16.0	-6.0	.6	.97885	590.5	.00080	.000349			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

7. Corrugated Panel with 30° Wedge Leading Edge; $\alpha = 0^{\circ}$ - Continued

(d) $M = 3.51$; $R = 3.90 \times 10^6$; $T_t = 719^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94592	573.8	.00179	.000352			1.03
2	2.0	.0		.95094	577.1	.00163	.000321			.95
3	2.0	12.0		.95261	578.8	.00178	.000350			.91
4	8.0	.0		.95930	585.5	.00226	.000444			1.28
5	9.0	.0		.96376	588.8	.00240	.000472	.00236	.000464	1.26
6	10.0	.0		.97212	594.5	.00263	.000517			1.38
42	50.0	-8.0		.97212	582.5	.00045	.000088			.26
43	50.0	-5.0		.97324	582.8	.00045	.000088			.23
44	50.0	.0		.97045	580.5	.00025	.000049			.13
45	50.0	6.0		.97770	585.1	.00036	.000071			.18
46	58.0	.0		.92418	559.8	.00158	.000311			.86
47	58.0	6.0		.93087	566.1	.00190	.000374			.95
48	58.0	12.0		.93979	570.5	.00162	.000319			.71
301	1.0	1.5	1.1	.94648	569.8	.00110	.000216	.00091	.000179	
302	1.0	1.0	1.6	.92696	564.1	.00146	.000287			
303	1.0	.5	1.1	.94425	568.5	.00090	.000177			
304	1.0	.0	.6	.96989	583.1	.00073	.000144			
305	2.0	1.5	1.1	.93923	570.8	.00182	.000358	.00184	.000362	
306	2.0	1.0	1.6	.92027	560.8	.00205	.000403	.00145	.000285	
307	2.0	.5	1.1	.93421	568.1	.00153	.000301	.00126	.000248	
308	2.0	.0	.6	.95372	579.8	.00165	.000324			
309	3.0	1.5	1.1	.93811	571.8	.00218	.000429	.00205	.000403	
310	3.0	1.0	1.6	.92808	564.8	.00202	.000397	.00183	.000360	
311	3.0	.5	1.1	.93254	567.5	.00201	.000395	.00151	.000297	
312	3.0	.0	.6	.95651	584.1	.00202	.000397			
313	4.0	1.5	1.1	.93310	569.8	.00238	.000468	.00215	.000423	
314	4.0	1.0	1.6	.92418	565.5	.00219	.000431			
315	4.0	.5	1.1	.93923	572.1	.00201	.000395	.00211	.000415	
316	4.0	.0	.6	.95317	580.5	.00198	.000389	.00242	.000476	
317	5.0	.5	1.1	.93867	575.5	.00189	.000372	.00190	.000374	
318	5.0	.0	1.6	.92641	564.1	.00193	.000380	.00155	.000305	
319	5.0	.5	1.1	.93923	575.5	.00165	.000324	.00151	.000297	
320	5.0	.0	.6	.95540	581.5	.00162	.000319			
321	6.0	1.5	1.1	.94090	572.5	.00199	.000391	.00206	.000405	
322	6.0	1.0	1.6	.92919	565.1	.00201	.000395	.00161	.000317	
323	6.0	.5	1.1	.93923	575.5	.00165	.000324	.00163	.000321	
324	6.0	.0	.6	.95094	577.8	.00180	.000354	.00204	.000401	
325	8.0	1.5	1.1	.93867	571.1	.00200	.000393	.00194	.000381	
326	8.0	1.0	1.6	.93477	567.5	.00182	.000358	.00156	.000307	
327	8.0	.5	1.1	.94313	573.5	.00165	.000324	.00166	.000326	
328	8.0	.0	.6	.94982	575.8	.00161	.000317	.00185	.000364	
329	10.0	1.5	1.1	.94815	575.5	.00155	.000305	.00150	.000295	
330	10.0	1.0	1.6	.94425	573.5	.00181	.000356	.00170	.000334	
331	10.0	.5	1.1	.95094	579.8	.00140	.000275	.00131	.000258	
332	10.0	.0	.6	.95763	580.8	.00129	.000254	.00156	.000307	
333	12.0	1.5	1.1	.94648	574.5	.00163	.000321	.00154	.000303	
334	12.0	1.0	1.6	.94034	572.1	.00166	.000326			
335	12.0	.5	1.1	.95540	578.8	.00144	.000283	.00164	.000322	
336	12.0	.0	.6	.96041	580.5	.00126	.000248	.00150	.000295	
337	14.0	1.5	1.1	.95205	576.5	.00144	.000283	.00141	.000277	
338	14.0	1.0	1.6	.94313	573.5	.00165	.000324	.00134	.000263	
339	14.0	.5	1.1	.95205	576.8	.00145	.000285	.00143	.000281	
340	14.0	.0	.6	.96376	582.1	.00116	.000228	.00149	.000293	
341	18.0	1.5	1.1	.95205	576.5	.00160	.000315	.00172	.000338	
342	18.0	1.0	1.6	.95205	578.1	.00152	.000299	.00147	.000289	
343	18.0	.5	1.1	.95595	578.5	.00143	.000281	.00166	.000326	
344	18.0	.0	.6	.94815	572.1	.00118	.000232			
345	22.0	1.5	1.1	.95763	579.5	.00143	.000281	.00138	.000271	
346	22.0	1.0	1.6	.95595	579.5	.00148	.000291	.00145	.000285	
347	22.0	.5	1.1	.96041	581.5	.00127	.000250	.00128	.000252	
348	22.0	.0	.6	.96432	581.1	.00109	.000214	.00118	.000232	
350	26.0	1.0	1.6	.95540	578.8	.00160	.000315	.00160	.000315	
351	26.0	.5	1.1	.96320	582.5	.00116	.000228	.00111	.000218	
352	26.0	.0	.6	.97212	585.5	.00087	.000171	.00088	.000173	
353	30.0	1.5	1.1	.95540	578.8	.00128	.000252	.00118	.000232	
354	30.0	1.0	1.6	.95094	576.1	.00161	.000317	.00144	.000283	
355	30.0	.5	1.1	.96153	580.5	.00116	.000228	.00121	.000238	
356	30.0	.0	.6	.96599	582.8	.00093	.000183	.00113	.000222	
358	8.0	-6.0	.6	.95094	576.5	.00161	.000317			
359	12.0	-6.0	.6	.95595	578.1	.00143	.000281	.00143	.000281	
360	16.0	-6.0	.6	.95986	581.1	.00117	.000230			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

7. Corrugated Panel with 30° Wedge Leading Edge; α = 0° - Continued

(e) M = 3.51; R = 2.74 × 10^6; T_t = 716° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95245	574.5	.00128	.000358			.98
2	2.0	.0		.95748	576.1	.00123	.000344			.99
3	2.0	12.0		.95972	578.1	.00130	.000363			.95
4	8.0	.0		.96420	582.8	.00178	.000497			1.37
5	9.0	.0		.96923	585.8	.00190	.000531	.00186	.000520	1.42
6	10.0	.0		.97762	591.8	.00192	.000537			1.43
42	50.0	-8.0		.98042	584.1	.00032	.000089			.24
44	50.0	.0		.97930	582.8	.00019	.000053			.14
45	50.0	6.0		.98601	587.1	.00023	.000064			.15
46	58.0	.0		.93455	560.8	.00115	.000321			.84
47	58.0	6.0		.94070	566.8	.00145	.000405			.94
48	58.0	12.0		.94797	570.1	.00125	.000349			.84
301	1.0	1.5	1.1	.96140	574.5	.00068	.000190			
302	1.0	1.0	1.6	.94406	568.1	.00128	.000358	.00095	.000265	
303	1.0	.5	1.1	.95916	573.1	.00072	.000201			
304	1.0	.0	.6	.98210	587.1	.00055	.000154			
305	2.0	1.5	1.1	.95077	572.5	.00143	.000400	.00141	.000394	
306	2.0	1.0	1.6	.93455	565.5	.00154	.000430	.00096	.000268	
307	2.0	.5	1.1	.94686	570.5	.00117	.000327	.00093	.000260	
308	2.0	.0	.6	.96308	580.5	.00127	.000355			
309	3.0	1.5	1.1	.94797	572.5	.00178	.000497	.00165	.000461	
310	3.0	1.0	1.6	.94014	566.5	.00160	.000447	.00145	.000405	
311	3.0	.5	1.1	.94350	568.5	.00160	.000447			
312	3.0	.0	.6	.96476	583.5	.00161	.000450			
313	4.0	1.5	1.1	.94350	571.5	.00164	.000458	.00136	.000380	
314	4.0	1.0	1.6	.93567	564.8	.00155	.000433	.00118	.000330	
315	4.0	.5	1.1	.94965	574.5	.00162	.000453	.00174	.000486	
316	4.0	.0	.6	.96196	580.5	.00145	.000405			
317	5.0	1.5	1.1	.94965	574.5	.00162	.000453	.00162	.000453	
318	5.0	1.0	1.6	.93791	567.1	.00150	.000419			
319	5.0	.5	1.1	.95021	572.5	.00143	.000400	.00135	.000377	
320	5.0	.0	.6	.96476	581.5	.00141	.000394			
321	6.0	1.5	1.1	.95189	577.1	.00131	.000366	.00138	.000386	
322	6.0	1.0	1.6	.94182	569.8	.00139	.000388			
323	6.0	.5	1.1	.95077	573.8	.00139	.000388	.00136	.000380	
324	6.0	.0	.6	.96084	578.5	.00141	.000394	.00163	.000456	
325	8.0	1.5	1.1	.95077	572.5	.00143	.000400	.00135	.000377	
326	8.0	1.0	1.6	.94741	569.8	.00122	.000341	.00107	.000299	
327	8.0	.5	1.1	.95469	575.8	.00116	.000324	.00112	.000313	
328	8.0	.0	.6	.96028	578.8	.00109	.000305	.00126	.000352	
329	10.0	1.5	1.1	.95972	578.5	.00126	.000352	.00120	.000335	
330	10.0	1.0	1.6	.95804	577.1	.00126	.000352	.00120	.000335	
331	10.0	.5	1.1	.96252	577.8	.00109	.000305	.00105	.000293	
332	10.0	.0	.6	.96867	581.1	.00108	.000302	.00130	.000363	
333	12.0	1.5	1.1	.95916	576.5	.00125	.000349	.00116	.000324	
334	12.0	1.0	1.6	.95413	574.5	.00117	.000327			
335	12.0	.5	1.1	.96755	582.5	.00101	.000282	.00122	.000341	
336	12.0	.0	.6	.97091	582.1	.00085	.000238	.00106	.000296	
337	14.0	1.5	1.1	.96476	578.8	.00108	.000302	.00105	.000293	
338	14.0	1.0	1.6	.95636	575.8	.00116	.000324	.00090	.000252	
339	14.0	.5	1.1	.96364	578.8	.00109	.000305	.00105	.000293	
340	14.0	.0	.6	.97482	583.8	.00078	.000218			
341	18.0	1.5	1.1	.96476	579.8	.00103	.000288	.00114	.000319	
342	18.0	1.0	1.6	.96587	580.8	.00114	.000319	.00113	.000316	
343	18.0	.5	1.1	.96867	580.8	.00107	.000299	.00127	.000355	
344	18.0	.0	.6	.95972	574.8	.00081	.000226			
345	22.0	1.5	1.1	.97091	583.1	.00092	.000257	.00086	.000240	
346	22.0	1.0	1.6	.96979	582.5	.00123	.000344	.00122	.000341	
347	22.0	.5	1.1	.97370	583.1	.00091	.000254	.00092	.000257	
348	22.0	.0	.6	.97594	583.8	.00071	.000198	.00077	.000215	
350	26.0	1.0	1.6	.96867	582.8	.00114	.000319	.00114	.000319	
351	26.0	.5	1.1	.97594	584.5	.00080	.000224	.00076	.000212	
352	26.0	.0	.6	.98377	588.1	.00060	.000168	.00061	.000170	
353	30.0	1.5	1.1	.96811	580.5	.00107	.000299	.00098	.000274	
354	30.0	1.0	1.6	.96476	579.1	.00109	.000305	.00093	.000260	
355	30.0	.5	1.1	.97426	583.5	.00082	.000229	.00090	.000252	
356	30.0	.0	.6	.97818	584.8	.00070	.000196	.00092	.000257	
358	8.0	-6.0	.6	.96084	578.8	.00116	.000324			
359	12.0	-6.0	.6	.96643	579.8	.00088	.000246	.00088	.000246	
360	16.0	-6.0	.6	.97091	582.8	.00092	.000257			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

7. Corrugated Panel with 30° Wedge Leading Edge; $\alpha = 0^{\circ}$ - Continued

(f) M = 3.51; R = 1.57×10^6; T_t = 717° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95547	576.1	.00073	.000357			.83
2	2.0	.0		.96159	579.5	.00077	.000377			.89
3	2.0	12.0		.96326	581.1	.00084	.000411			.97
4	8.0	.0		.96827	586.1	.00107	.000524			1.37
5	9.0	.0		.97328	588.1	.00118	.000578	.00107	.000524	1.34
6	10.0	.0		.98330	594.8	.00117	.000573			1.33
42	50.0	-8.0		.98942	592.1	.00019	.000093			.22
43	50.0	-5.0		.99053	592.8	.00015	.000073			.17
45	50.0	6.0		.99499	595.1	.00017	.000083			.19
46	58.0	.0		.94490	568.5	.00064	.000313			.81
47	58.0	6.0		.95324	574.5	.00076	.000372			.87
48	58.0	12.0		.95714	576.1	.00070	.000343			.76
301	1.0	1.5	1.1	.98497	590.1	.00035	.000171			
302	1.0	1.0	1.6	.97217	585.5	.00067	.000328			
303	1.0	.5	1.1	.98274	589.1	.00042	.000206			
304	1.0	.0	.6	1.00166	600.1	.00026	.000127			
305	2.0	1.5	1.1	.97161	585.5	.00081	.000396	.00082	.000401	
306	2.0	1.0	1.6	.95937	579.1	.00087	.000426			
307	2.0	.5	1.1	.96883	582.8	.00062	.000303	.00045	.000220	
308	2.0	.0	.6	.97885	590.1	.00072	.000352	.00097	.000475	
309	3.0	1.5	1.1	.96549	582.8	.00090	.000441	.00075	.000367	
310	3.0	1.0	1.6	.96048	579.1	.00085	.000416	.00077	.000377	
311	3.0	.5	1.1	.96215	579.8	.00084	.000411			
312	3.0	.0	.6	.97885	591.5	.00096	.000470			
313	4.0	1.5	1.1	.95937	579.5	.00090	.000441			
314	4.0	1.0	1.6	.95491	576.1	.00088	.000431			
315	4.0	.5	1.1	.96716	585.1	.00085	.000416	.00090	.000441	
316	4.0	.0	.6	.97551	588.5	.00082	.000401			
317	5.0	1.5	1.1	.96604	582.8	.00089	.000436	.00088	.000431	
318	5.0	1.0	1.6	.95714	576.8	.00096	.000470			
319	5.0	.5	1.1	.96771	583.1	.00082	.000401	.00077	.000377	
320	5.0	.0	.6	.97940	590.1	.00074	.000362			
321	6.0	1.5	1.1	.96883	583.8	.00079	.000387	.00083	.000406	
322	6.0	1.0	1.6	.96159	579.1	.00083	.000406			
323	6.0	.5	1.1	.96883	583.5	.00074	.000362	.00074	.000362	
324	6.0	.0	.6	.97606	587.8	.00062	.000303	.00086	.000421	
325	8.0	1.5	1.1	.96827	583.5	.00080	.000392	.00071	.000348	
326	8.0	1.0	1.6	.96771	582.1	.00074	.000362	.00060	.000294	
327	8.0	.5	1.1	.97272	585.1	.00069	.000338	.00072	.000352	
328	8.0	.0	.6	.97606	586.8	.00054	.000264	.00067	.000328	
329	10.0	1.5	1.1	.97773	588.5	.00070	.000343	.00064	.000313	
330	10.0	1.0	1.6	.97773	588.5	.00064	.000313	.00065	.000318	
331	10.0	.5	1.1	.98052	589.1	.00057	.000279	.00053	.000259	
332	10.0	.0	.6	.98441	591.5	.00052	.000255			
333	12.0	1.5	1.1	.97718	587.8	.00058	.000284	.00049	.000240	
334	12.0	1.0	1.6	.97384	585.8	.00060	.000294			
335	12.0	.5	1.1	.98497	591.8	.00055	.000269	.00074	.000362	
336	12.0	.0	.6	.98552	592.1	.00050	.000245	.00063	.000308	
337	14.0	1.5	1.1	.98219	590.1	.00056	.000274	.00055	.000269	
338	14.0	1.0	1.6	.97606	586.8	.00058	.000284			
339	14.0	.5	1.1	.98107	589.8	.00053	.000259	.00048	.000235	
340	14.0	.0	.6	.98942	593.8	.00042	.000206			
341	18.0	1.5	1.1	.98219	590.5	.00053	.000259	.00064	.000313	
342	18.0	1.0	1.6	.98497	591.8	.00057	.000279	.00061	.000299	
343	18.0	.5	1.1	.98608	592.1	.00041	.000201			
344	18.0	.0	.6	.97606	585.5	.00042	.000206			
345	22.0	1.5	1.1	.98942	594.5	.00053	.000259	.00050	.000245	
346	22.0	1.0	1.6	.98942	594.8	.00063	.000308	.00064	.000313	
347	22.0	.5	1.1	.99220	595.5	.00038	.000186			
348	22.0	.0	.6	.99165	594.8	.00042	.000206	.00042	.000206	
350	26.0	1.0	1.6	.98831	594.1	.00055	.000269	.00055	.000269	
351	26.0	.5	1.1	.99443	596.8	.00042	.000206	.00041	.000201	
352	26.0	.0	.6	.99888	599.8	.00039	.000191	.00040	.000196	
353	30.0	1.5	1.1	.98664	592.8	.00055	.000269	.00045	.000220	
354	30.0	1.0	1.6	.98497	592.1	.00057	.000279	.00043	.000210	
355	30.0	.5	1.1	.99332	595.8	.00035	.000171			
356	30.0	.0	.6	.99443	596.5	.00040	.000196	.00052	.000255	
358	8.0	-6.0	.6	.97606	587.1	.00059	.000289			
360	16.0	-6.0	.6	.98664	592.5	.00047	.000230			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

7. Corrugated Panel with 30° Wedge Leading Edge; $\alpha = 0^{\circ}$ - Continued

(g) M = 4.44; R = 4.42×10^6; T_t = 690° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.91380	554.5	.00090	.000229			1.23
2	2.0	.0		.91932	557.8	.00107	.000273			1.39
3	2.0	12.0		.91987	559.1	.00116	.000296			.87
4	8.0	.0		.93479	571.1	.00162	.000413			1.53
5	9.0	.0		.94087	572.8	.00157	.000400	.00143	.000364	1.48
6	10.0	.0		.95524	581.5	.00157	.000400			2.01
44	50.0	.0		.94916	571.8	.00021	.000054			.20
46	58.0	.0		.90274	546.8	.00078	.000199			.73
47	58.0	6.0		.90661	550.5	.00117	.000298			.95
48	58.0	12.0		.91435	557.1	.00135	.000344			.90
301	1.0	1.5	1.1	.92761	560.1	.00054	.000138	.00056	.000143	
302	1.0	1.0	1.6	.91987	557.8	.00094	.000240	.00071	.000181	
303	1.0	.5	1.1	.92927	560.8	.00052	.000133	.00060	.000153	
304	1.0	.0	.6	.93148	562.1	.00051	.000130	.00068	.000173	
305	2.0	1.5	1.1	.91766	558.1	.00126	.000321	.00099	.000252	
306	2.0	1.0	1.6	.90551	552.5	.00130	.000331			
307	2.0	.5	1.1	.91601	554.8	.00104	.000265			
308	2.0	.0	.6	.93203	566.5	.00106	.000270			
309	3.0	1.5	1.1	.91435	555.5	.00146	.000372			
310	3.0	1.0	1.6	.91324	555.1	.00128	.000326	.00156	.000398	
311	3.0	.5	1.1	.90993	552.1	.00113	.000288			
312	3.0	.0	.6	.93921	572.1	.00133	.000339			
313	4.0	1.5	1.1	.91435	556.8	.00147	.000375	.00140	.000357	
314	4.0	1.0	1.6	.90551	550.5	.00137	.000349			
315	4.0	.5	1.1	.91158	553.5	.00122	.000311			
316	4.0	.0	.6	.92650	562.8	.00127	.000324			
317	5.0	1.5	1.1	.91490	558.5	.00136	.000347	.00126	.000321	
318	5.0	1.0	1.6	.90661	550.8	.00136	.000347			
319	5.0	.5	1.1	.91545	555.5	.00108	.000275	.00110	.000280	
321	6.0	1.5	1.1	.91822	557.5	.00134	.000342			
322	6.0	1.0	1.6	.91048	552.5	.00113	.000288			
323	6.0	.5	1.1	.91711	556.5	.00106	.000270			
324	6.0	.0	.6	.93977	569.8	.00103	.000262			
325	8.0	1.5	1.1	.92264	559.8	.00106	.000270	.00105	.000268	
326	8.0	1.0	1.6	.91435	554.1	.00106	.000270			
327	8.0	.5	1.1	.92264	559.1	.00101	.000257	.00102	.000260	
328	8.0	.0	.6	.93369	566.1	.00080	.000204			
329	10.0	1.5	1.1	.92761	562.5	.00102	.000260	.00103	.000262	
331	10.0	.5	1.1	.90882	549.8	.00063	.000161			
333	12.0	1.5	1.1	.93037	563.8	.00085	.000217	.00068	.000173	
334	12.0	1.0	1.6	.92816	562.5	.00104	.000265	.00090	.000229	
335	12.0	.5	1.1	.93203	563.8	.00086	.000219	.00082	.000209	
336	12.0	.0	.6	.93921	568.8	.00063	.000161			
337	14.0	1.5	1.1	.93535	566.8	.00086	.000219	.00082	.000209	
338	14.0	1.0	1.6	.92982	563.1	.00101	.000257			
339	14.0	.5	1.1	.93645	566.8	.00079	.000201	.00081	.000206	
340	14.0	.0	.6	.94308	570.8	.00062	.000158			
341	18.0	1.5	1.1	.93756	568.1	.00078	.000199			
342	18.0	1.0	1.6	.93535	566.1	.00087	.000222	.00079	.000201	
343	18.0	.5	1.1	.93756	567.8	.00066	.000168			
344	18.0	.0	.6	.92982	562.1	.00057	.000145			
345	22.0	1.5	1.1	.94640	572.5	.00085	.000217	.00113	.000288	
346	22.0	1.0	1.6	.93921	568.5	.00086	.000219	.00054	.000138	
347	22.0	.5	1.1	.94529	571.5	.00064	.000163	.00082	.000209	
348	22.0	.0	.6	.94529	571.1	.00055	.000140	.00047	.000120	
349	26.0	1.5	1.1	.94308	570.5	.00063	.000161	.00075	.000191	
350	26.0	1.0	1.6	.93645	566.5	.00086	.000219			
351	26.0	.5	1.1	.94198	569.5	.00067	.000171	.00066	.000168	
352	26.0	.0	.6	.94750	572.1	.00050	.000127	.00071	.000181	
353	30.0	1.5	1.1	.94308	570.5	.00073	.000186	.00071	.000181	
354	30.0	1.0	1.6	.94087	569.1	.00086	.000219	.00068	.000173	
355	30.0	.5	1.1	.94584	571.8	.00065	.000166	.00075	.000191	
356	30.0	.0	.6	.94750	572.1	.00049	.000125	.00060	.000153	
357	4.0	-6.0	.6	.92650	562.8	.00112	.000285			
358	8.0	-6.0	.6	.93092	563.5	.00079	.000201	.00078	.000199	
359	12.0	-6.0	.6	.93700	566.8	.00061	.000155	.00061	.000155	
360	16.0	-6.0	.6	.94253	569.8	.00059	.000150			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

7. Corrugated Panel with 30° Wedge Leading Edge; $\alpha = 0^{\circ}$ - Continued

(h) M = 4.44; R = 3.16×10^6; $T_t = 686^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.91623	552.5	.00060	.000216			.98
2	2.0	.0		.92178	556.5	.00074	.000266			.97
3	2.0	12.0		.92234	557.5	.00105	.000378			1.25
4	8.0	.0		.93454	569.8	.00126	.000453			1.68
5	9.0	.0		.93953	571.1	.00130	.000468	.00109	.000392	1.81
6	10.0	.0		.95284	578.5	.00128	.000461			1.80
46	58.0	.0		.90403	544.8	.00063	.000227			.74
47	58.0	6.0		.90847	548.8	.00088	.000317			.89
48	58.0	12.0		.91734	554.5	.00087	.000313			.80
301	1.0	1.5	1.1	.93232	560.5	.00050	.000180	.00053	.000191	
302	1.0	1.0	1.6	.92788	559.5	.00074	.000266	.00063	.000227	
304	1.0	.0	.6	.93288	560.5	.00043	.000155	.00044	.000158	
305	2.0	1.5	1.1	.92234	556.5	.00087	.000313	.00075	.000270	
306	2.0	1.0	1.6	.91291	551.5	.00106	.000381			
307	2.0	.5	1.1	.92067	554.8	.00067	.000241			
308	2.0	.0	.6	.93343	564.1	.00079	.000284			
309	3.0	1.5	1.1	.91790	554.5	.00105	.000378			
310	3.0	1.0	1.6	.91845	554.1	.00085	.000306			
311	3.0	.5	1.1	.91402	551.5	.00084	.000302			
312	3.0	.0	.6	.94009	568.5	.00104	.000374			
313	4.0	1.5	1.1	.91679	554.1	.00115	.000414	.00107	.000385	
314	4.0	1.0	1.6	.90958	549.5	.00106	.000381			
315	4.0	.5	1.1	.91457	552.1	.00086	.000309			
316	4.0	.0	.6	.92677	559.8	.00084	.000302			
317	5.0	1.5	1.1	.91790	554.5	.00105	.000378	.00099	.000356	
318	5.0	1.0	1.6	.91069	549.8	.00086	.000309			
319	5.0	.5	1.1	.91790	553.8	.00081	.000291	.00081	.000291	
321	6.0	1.5	1.1	.92234	556.8	.00084	.000302	.00061	.000220	
322	6.0	1.0	1.6	.91402	551.5	.00087	.000313			
323	6.0	.5	1.1	.92067	555.1	.00086	.000309			
324	6.0	.0	.6	.93953	567.5	.00076	.000273			
325	8.0	1.5	1.1	.92455	558.5	.00086	.000309	.00080	.000288	
326	8.0	1.0	1.6	.91790	553.5	.00078	.000281			
327	8.0	.5	1.1	.92511	557.5	.00070	.000252	.00068	.000245	
328	8.0	.0	.6	.93509	563.1	.00058	.000209			
329	10.0	1.5	1.1	.93010	560.8	.00067	.000241	.00068	.000245	
331	10.0	.5	1.1	.91124	548.5	.00055	.000198			
333	12.0	1.5	1.1	.93288	562.1	.00066	.000237	.00050	.000180	
334	12.0	1.0	1.6	.93177	562.5	.00076	.000273	.00069	.000248	
335	12.0	.5	1.1	.93398	562.1	.00062	.000223	.00053	.000191	
336	12.0	.0	.6	.94009	566.1	.00051	.000184			
337	14.0	1.5	1.1	.93731	564.5	.00068	.000245	.00061	.000220	
338	14.0	1.0	1.6	.93288	562.1	.00070	.000252			
339	14.0	.5	1.1	.93787	565.1	.00066	.000237	.00065	.000234	
340	14.0	.0	.6	.94397	568.1	.00052	.000187			
341	18.0	1.5	1.1	.94009	566.1	.00067	.000241			
342	18.0	1.0	1.6	.93842	565.5	.00075	.000270	.00061	.000220	
343	18.0	.5	1.1	.93953	565.5	.00060	.000216			
345	22.0	1.5	1.1	.94841	571.5	.00066	.000237			
346	22.0	1.0	1.6	.94286	567.8	.00074	.000266			
347	22.0	.5	1.1	.94785	570.5	.00049	.000176			
348	22.0	.0	.6	.94674	569.5	.00048	.000173			
349	26.0	1.5	1.1	.94563	569.1	.00057	.000205	.00069	.000248	
350	26.0	1.0	1.6	.93953	565.5	.00061	.000220			
352	26.0	.0	.6	.94896	570.5	.00043	.000155	.00062	.000223	
353	30.0	1.5	1.1	.94508	568.8	.00058	.000209	.00057	.000205	
354	30.0	1.0	1.6	.94286	567.8	.00061	.000220	.00046	.000166	
355	30.0	.5	1.1	.94785	570.1	.00049	.000176	.00060	.000216	
356	30.0	.0	.6	.94841	570.1	.00043	.000155	.00049	.000176	
357	4.0	-6.0	.6	.92733	560.1	.00099	.000356			
358	8.0	-6.0	.6	.93177	561.1	.00061	.000220	.00061	.000220	
359	12.0	-6.0	.6	.93842	564.8	.00053	.000191	.00053	.000191	

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

7. Corrugated Panel with 30° Wedge Leading Edge; $\alpha = 0^{\circ}$ - Concluded

(i) M = 4.44; R = 2.14×10^6; T_t = 683° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
2	2.0	.0		.92370	554.8	.00061	.000326			.74
3	2.0	12.0		.92482	555.8	.00067	.000358			.97
4	8.0	.0		.93484	563.1	.00091	.000487			1.72
5	9.0	.0		.93818	564.8	.00105	.000562	.00097	.000519	1.59
6	10.0	.0		.95043	572.1	.00083	.000444			1.41
47	58.0	6.0		.90923	545.8	.00067	.000358			1.18
48	58.0	12.0		.91981	552.8	.00075	.000401			.93
301	1.0	1.5	1.1	.93595	560.5	.00042	.000225	.00046	.000246	
302	1.0	1.0	1.6	.93373	560.5	.00053	.000283	.00053	.000283	
303	1.0	.5	1.1	.93707	560.8	.00041	.000219	.00050	.000267	
305	2.0	1.5	1.1	.92704	556.8	.00070	.000374	.00060	.000321	
306	2.0	1.0	1.6	.91981	553.1	.00077	.000412			
307	2.0	.5	1.1	.92593	555.1	.00062	.000332			
308	2.0	.0	.6	.93484	561.8	.00081	.000433			
309	3.0	1.5	1.1	.92148	554.8	.00081	.000433			
310	3.0	1.0	1.6	.92315	555.1	.00067	.000358			
311	3.0	.5	1.1	.91813	551.5	.00073	.000390			
312	3.0	.0	.6	.94097	566.1	.00074	.000396			
313	4.0	1.5	1.1	.91981	553.8	.00093	.000497	.00094	.000503	
314	4.0	1.0	1.6	.91368	548.8	.00073	.000390			
315	4.0	.5	1.1	.91702	551.1	.00076	.000406	.00068	.000364	
316	4.0	.0	.6	.92704	557.5	.00069	.000369			
317	5.0	1.5	1.1	.91925	552.5	.00070	.000374	.00058	.000310	
318	5.0	1.0	1.6	.91368	548.8	.00070	.000374			
319	5.0	.5	1.1	.91813	551.5	.00065	.000348	.00061	.000326	
321	6.0	1.5	1.1	.92537	555.5	.00069	.000369	.00062	.000332	
322	6.0	1.0	1.6	.91646	550.1	.00069	.000369			
324	6.0	.0	.6	.93874	563.5	.00068	.000364			
325	8.0	1.5	1.1	.92537	555.5	.00055	.000294	.00047	.000251	
327	8.0	.5	1.1	.92537	555.5	.00072	.000385	.00065	.000348	
328	8.0	.0	.6	.93428	560.5	.00055	.000294			
329	10.0	1.5	1.1	.93150	559.1	.00062	.000332	.00063	.000337	
331	10.0	.5	1.1	.91145	546.5	.00048	.000257			
333	12.0	1.5	1.1	.93317	560.5	.00072	.000385	.00057	.000305	
335	12.0	.5	1.1	.93373	559.8	.00060	.000321	.00053	.000283	
336	12.0	.0	.6	.93985	563.1	.00046	.000246			
338	14.0	1.0	1.6	.93317	559.5	.00051	.000273			
342	18.0	1.0	1.6	.93930	563.1	.00051	.000273	.00047	.000251	
343	18.0	.5	1.1	.93930	564.8	.00053	.000283			
344	18.0	.0	.6	.93150	557.8	.00042	.000225			
346	22.0	1.0	1.6	.94431	566.5	.00060	.000321			
348	22.0	.0	.6	.94654	566.8	.00035	.000187			
349	26.0	1.5	1.1	.94598	567.1	.00080	.000428	.00093	.000497	
351	26.0	.5	1.1	.94375	565.5	.00036	.000193	.00034	.000182	
354	30.0	1.0	1.6	.94431	566.1	.00052	.000278			
355	30.0	.5	1.1	.94821	567.5	.00041	.000219	.00050	.000267	
358	8.0	-6.0	.6	.93150	558.5	.00053	.000283	.00052	.000278	
359	12.0	-6.0	.6	.93818	562.5	.00043	.000230	.00043	.000230	

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

8. Corrugated Panel with 30° Wedge Leading Edge; α = 10°

(a) M = 2.65; R = 3.88 × 10^6; T_t = 717° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94593	589.8	.00340	.000482			1.09
2	2.0	.0		.94979	586.1	.00308	.000436			1.03
3	2.0	12.0		.95145	589.5	.00313	.000444			1.05
4	8.0	.0		.95807	595.5	.00455	.000645			1.48
5	9.0	.0		.96138	601.8	.00468	.000663	.00456	.000646	1.41
6	10.0	.0		.96800	606.8	.00533	.000755			1.75
24	14.0	-12.0		.93600	580.5	.00385	.000546			1.14
42	50.0	-8.0		.95697	584.1	.00175	.000248			.55
43	50.0	-5.0		.96028	585.1	.00155	.000220			.48
44	50.0	.0		.95807	579.5	.00046	.000065			.14
46	58.0	.0		.92718	572.5	.00321	.000455			1.10
47	58.0	6.0		.92773	572.8	.00327	.000463			1.03
48	58.0	12.0		.93269	580.1	.00451	.000639			1.43
301	1.0	1.5	1.1	.93766	571.8	.00159	.000225	.00138	.000196	
302	1.0	1.0	1.6	.91890	569.8	.00246	.000349	.00206	.000292	
303	1.0	.5	1.1	.93490	572.5	.00167	.000237	.00138	.000196	
304	1.0	.0	.6	.95862	585.1	.00131	.000186			
305	2.0	1.5	1.1	.93711	580.8	.00258	.000366	.00255	.000361	
306	2.0	1.0	1.6	.91559	570.1	.00348	.000493	.00267	.000378	
307	2.0	.5	1.1	.93159	581.8	.00304	.000431	.00271	.000384	
308	2.0	.0	.6	.95310	591.5	.00295	.000418	.00342	.000485	
309	3.0	1.5	1.1	.93876	582.5	.00320	.000453	.00297	.000421	
310	3.0	1.0	1.6	.92718	576.1	.00352	.000499	.00317	.000449	
311	3.0	.5	1.1	.93435	582.5	.00382	.000541	.00344	.000487	
312	3.0	.0	.6	.95917	595.8	.00361	.000512			
313	4.0	1.5	1.1	.93380	580.5	.00350	.000496	.00306	.000434	
314	4.0	1.0	1.6	.92387	576.1	.00386	.000547	.00325	.000461	
315	4.0	.5	1.1	.93931	586.5	.00395	.000560	.00420	.000595	
316	4.0	.0	.6	.95421	593.5	.00344	.000487	.00416	.000590	
317	5.0	1.5	1.1	.93821	582.8	.00334	.000473	.00324	.000459	
318	5.0	1.0	1.6	.92497	576.1	.00371	.000526	.00313	.000444	
319	5.0	.5	1.1	.93766	583.8	.00365	.000517	.00355	.000503	
320	5.0	.0	.6	.95421	590.8	.00318	.000451	.00399	.000565	
321	6.0	1.5	1.1	.93987	580.8	.00340	.000482	.00345	.000489	
322	6.0	1.0	1.6	.92718	574.1	.00367	.000520	.00323	.000458	
323	6.0	.5	1.1	.93490	579.8	.00385	.000546	.00379	.000537	
324	6.0	.0	.6	.94869	586.5	.00338	.000479	.00379	.000537	
325	8.0	1.5	1.1	.93766	581.8	.00321	.000455	.00321	.000455	
326	8.0	1.0	1.6	.93104	578.5	.00337	.000478	.00312	.000442	
327	8.0	.5	1.1	.93545	582.8	.00314	.000445	.00305	.000432	
328	8.0	.0	.6	.94483	584.5	.00288	.000408	.00312	.000442	
329	10.0	1.5	1.1	.94538	585.8	.00303	.000429	.00308	.000436	
330	10.0	1.0	1.6	.94042	588.8	.00313	.000444	.00322	.000456	
331	10.0	.5	1.1	.94042	580.5	.00318	.000451	.00299	.000424	
332	10.0	.0	.6	.94979	588.1	.00274	.000388	.00265	.000376	
333	12.0	1.5	1.1	.94262	584.1	.00292	.000414	.00296	.000419	
334	12.0	1.0	1.6	.93435	578.1	.00344	.000487	.00315	.000446	
335	12.0	.5	1.1	.94373	584.1	.00289	.000410	.00296	.000419	
336	12.0	.0	.6	.95090	589.5	.00219	.000310	.00238	.000337	
337	14.0	1.5	1.1	.94593	586.1	.00255	.000361	.00258	.000366	
338	14.0	1.0	1.6	.93490	583.1	.00316	.000448	.00299	.000424	
339	14.0	.5	1.1	.93766	579.1	.00282	.000400	.00298	.000422	
340	14.0	.0	.6	.95366	586.8	.00218	.000309	.00254	.000360	
341	18.0	1.5	1.1	.94593	586.1	.00255	.000361	.00273	.000387	
342	18.0	1.0	1.6	.94318	585.8	.00332	.000470	.00342	.000485	
343	18.0	.5	1.1	.94262	583.8	.00303	.000429	.00316	.000448	
344	18.0	.0	.6	.93931	578.5	.00223	.000316	.00181	.000257	
345	22.0	1.5	1.1	.94924	585.8	.00259	.000367	.00256	.000363	
346	22.0	1.0	1.6	.94318	589.1	.00326	.000462	.00343	.000486	
347	22.0	.5	1.1	.94318	583.5	.00276	.000391	.00253	.000359	
348	22.0	.0	.6	.95310	584.1	.00200	.000283	.00211	.000299	
350	26.0	1.0	1.6	.94042	586.1	.00314	.000445	.00314	.000445	
351	26.0	.5	1.1	.94538	582.1	.00277	.000393	.00257	.000364	
352	26.0	.0	.6	.96083	591.5	.00190	.000269	.00191	.000271	
353	30.0	1.5	1.1	.94649	581.5	.00256	.000363	.00255	.000361	
354	30.0	1.0	1.6	.93600	580.8	.00321	.000455	.00297	.000421	
355	30.0	.5	1.1	.94373	583.5	.00276	.000391	.00274	.000388	
356	30.0	.0	.6	.95476	584.8	.00214	.000303	.00239	.000339	
358	8.0	-6.0	.6	.94483	583.5	.00337	.000478			
359	12.0	-6.0	.6	.94814	587.1	.00288	.000408	.00288	.000408	
360	16.0	-6.0	.6	.95145	588.5	.00274	.000388			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

8. Corrugated Panel with 30° Wedge Leading Edge; α = 10° - Continued

(b) M = 2.65; R = 2.53 × 10^6; T_t = 715° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95608	583.1	.00232	.000507			.95
2	2.0	.0		.95997	584.8	.00228	.000498			1.02
3	2.0	12.0		.96219	585.8	.00204	.000446			1.02
4	8.0	.0		.96553	591.8	.00296	.000647			1.32
5	9.0	.0		.96942	594.5	.00324	.000708	.00317	.000693	1.45
6	10.0	.0		.97609	600.8	.00329	.000719			1.47
24	14.0	-12.0		.94440	579.1	.00257	.000562			1.06
42	50.0	-8.0		.96664	584.1	.00123	.000269			.53
43	50.0	-5.0		.96886	584.1	.00095	.000208			.41
44	50.0	.0		.96886	580.8	.00024	.000052			.11
46	58.0	.0		.93829	571.8	.00218	.000476			.96
47	58.0	6.0		.93717	571.5	.00227	.000496			1.03
48	58.0	12.0		.94107	576.8	.00287	.000627			1.25
301	1.0	1.5	1.1	.95385	575.1	.00099	.000216	.00076	.000166	
302	1.0	1.0	1.6	.93606	569.8	.00180	.000393	.00146	.000319	
303	1.0	.5	1.1	.95107	575.5	.00120	.000262			
304	1.0	.0	.6	.97387	587.1	.00087	.000190			
305	2.0	1.5	1.1	.94996	579.1	.00178	.000389	.00179	.000391	
306	2.0	1.0	1.6	.92995	568.8	.00260	.000568	.00193	.000422	
307	2.0	.5	1.1	.94496	577.8	.00218	.000476	.00202	.000441	
308	2.0	.0	.6	.96386	586.5	.00193	.000422	.00234	.000511	
309	3.0	1.5	1.1	.95107	581.8	.00228	.000498	.00211	.000461	
310	3.0	1.0	1.6	.93995	575.5	.00232	.000507	.00200	.000437	
311	3.0	.5	1.1	.94607	581.1	.00243	.000531	.00222	.000485	
312	3.0	.0	.6	.96942	593.5	.00251	.000548			
313	4.0	1.5	1.1	.94607	582.8	.00216	.000472	.00174	.000380	
314	4.0	1.0	1.6	.93662	576.8	.00245	.000535			
315	4.0	.5	1.1	.95163	586.8	.00274	.000599	.00275	.000601	
316	4.0	.0	.6	.96497	589.8	.00250	.000546	.00308	.000673	
317	5.0	1.5	1.1	.95052	581.8	.00229	.000500	.00222	.000485	
318	5.0	1.0	1.6	.93829	575.5	.00243	.000531	.00206	.000450	
319	5.0	.5	1.1	.94996	584.5	.00231	.000505	.00222	.000485	
320	5.0	.0	.6	.96608	589.8	.00215	.000470	.00286	.000625	
321	6.0	1.5	1.1	.95218	580.1	.00214	.000468	.00217	.000474	
322	6.0	1.0	1.6	.94051	576.1	.00233	.000509	.00193	.000422	
323	6.0	.5	1.1	.94774	583.1	.00232	.000507	.00225	.000492	
324	6.0	.0	.6	.96052	585.8	.00197	.000430	.00237	.000518	
325	8.0	1.5	1.1	.94996	582.1	.00200	.000437	.00195	.000426	
326	8.0	1.0	1.6	.94496	578.1	.00218	.000476	.00198	.000433	
327	8.0	.5	1.1	.94940	581.8	.00200	.000437	.00194	.000424	
328	8.0	.0	.6	.95663	582.1	.00194	.000424	.00214	.000468	
329	10.0	1.5	1.1	.95830	586.5	.00188	.000411	.00191	.000417	
330	10.0	1.0	1.6	.95441	584.1	.00217	.000474	.00222	.000485	
331	10.0	.5	1.1	.95496	584.5	.00189	.000413	.00174	.000380	
332	10.0	.0	.6	.96219	584.5	.00163	.000356	.00174	.000380	
333	12.0	1.5	1.1	.95608	585.1	.00189	.000413	.00188	.000411	
334	12.0	1.0	1.6	.94885	580.5	.00217	.000474	.00188	.000411	
335	12.0	.5	1.1	.95774	582.8	.00194	.000424	.00201	.000439	
336	12.0	.0	.6	.96441	585.1	.00155	.000339	.00174	.000380	
337	14.0	1.5	1.1	.95997	584.5	.00175	.000382	.00178	.000389	
338	14.0	1.0	1.6	.94940	580.8	.00217	.000474	.00198	.000433	
339	14.0	.5	1.1	.95274	580.1	.00195	.000426	.00178	.000389	
340	14.0	.0	.6	.96719	586.1	.00153	.000334	.00185	.000404	
341	18.0	1.5	1.1	.95774	583.5	.00176	.000385	.00196	.000428	
342	18.0	1.0	1.6	.95552	582.5	.00213	.000465	.00219	.000479	
343	18.0	.5	1.1	.95496	581.1	.00194	.000424	.00198	.000433	
344	18.0	.0	.6	.94940	575.8	.00157	.000343	.00118	.000258	
345	22.0	1.5	1.1	.96163	585.5	.00163	.000356	.00162	.000354	
346	22.0	1.0	1.6	.95663	585.8	.00217	.000474	.00224	.000489	
347	22.0	.5	1.1	.95719	584.8	.00168	.000367	.00151	.000330	
348	22.0	.0	.6	.96553	584.5	.00129	.000282	.00140	.000306	
350	26.0	1.0	1.6	.95496	583.8	.00215	.000470	.00215	.000470	
351	26.0	.5	1.1	.95941	586.1	.00166	.000363	.00149	.000326	
352	26.0	.0	.6	.97387	590.5	.00124	.000271	.00125	.000273	
353	30.0	1.5	1.1	.96052	583.8	.00162	.000354	.00160	.000350	
354	30.0	1.0	1.6	.95107	582.5	.00199	.000435	.00176	.000385	
355	30.0	.5	1.1	.95830	582.5	.00167	.000365	.00166	.000363	
356	30.0	.0	.6	.96831	585.8	.00117	.000256	.00148	.000323	
358	8.0	-6.0	.6	.95719	583.1	.00195	.000426			
359	12.0	-6.0	.6	.96052	584.5	.00193	.000422	.00193	.000422	
360	16.0	-6.0	.6	.96386	587.5	.00175	.000382			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

8. Corrugated Panel with 30° Wedge Leading Edge; α = 10° - Continued

(c) M = 2.65; R = 1.26×10^6; T_t = 709° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.96302	579.1	.00129	.000568			1.01
2	2.0	.0		.96694	582.1	.00115	.000506			.91
3	2.0	12.0		.96862	581.8	.00121	.000533			1.09
4	8.0	.0		.97030	585.8	.00164	.000722			1.29
5	9.0	.0		.97366	588.1	.00170	.000748	.00166	.000731	1.33
6	10.0	.0		.98151	592.5	.00140	.000616			1.10
24	14.0	-12.0		.94901	573.8	.00135	.000594			1.05
42	50.0	-8.0		.97254	581.8	.00080	.000352			.63
43	50.0	-5.0		.97198	580.1	.00039	.000172			.30
46	58.0	.0		.94901	571.5	.00118	.000519			.98
47	58.0	6.0		.94845	572.5	.00125	.000550			.98
48	58.0	12.0		.94901	572.1	.00144	.000634			1.08
301	1.0	1.5	1.1	.96526	576.5	.00055	.000242			
302	1.0	1.0	1.6	.95293	572.8	.00088	.000387	.00067	.000295	
303	1.0	.5	1.1	.96302	575.8	.00061	.000269			
305	2.0	1.5	1.1	.95965	577.1	.00093	.000409	.00094	.000414	
306	2.0	1.0	1.6	.94453	570.8	.00133	.000586			
307	2.0	.5	1.1	.95461	574.5	.00124	.000546	.00110	.000484	
308	2.0	.0	.6	.96806	582.1	.00091	.000401	.00119	.000524	
309	3.0	1.5	1.1	.95853	578.1	.00118	.000519	.00104	.000458	
310	3.0	1.0	1.6	.95069	573.5	.00131	.000577	.00112	.000493	
311	3.0	.5	1.1	.95349	575.5	.00127	.000559	.00109	.000480	
312	3.0	.0	.6	.97254	587.1	.00130	.000572			
313	4.0	1.5	1.1	.95349	575.8	.00131	.000577	.00099	.000436	
314	4.0	1.0	1.6	.94733	570.8	.00143	.000630	.00101	.000445	
315	4.0	.5	1.1	.95909	580.1	.00144	.000634	.00164	.000722	
316	4.0	.0	.6	.96918	584.5	.00130	.000572	.00171	.000753	
317	5.0	1.5	1.1	.95909	577.1	.00123	.000541	.00119	.000524	
318	5.0	1.0	1.6	.94845	571.5	.00132	.000581			
319	5.0	.5	1.1	.95853	578.8	.00131	.000577	.00124	.000546	
320	5.0	.0	.6	.97198	585.1	.00122	.000537			
321	6.0	1.5	1.1	.96021	577.5	.00102	.000449	.00103	.000453	
322	6.0	1.0	1.6	.95125	572.8	.00125	.000550	.00098	.000431	
323	6.0	.5	1.1	.95685	576.8	.00125	.000550	.00120	.000528	
324	6.0	.0	.6	.96750	582.1	.00122	.000537	.00153	.000674	
325	8.0	1.5	1.1	.95797	575.8	.00104	.000458	.00095	.000418	
326	8.0	1.0	1.6	.95573	574.8	.00107	.000471	.00097	.000427	
327	8.0	.5	1.1	.95853	576.5	.00103	.000453	.00097	.000427	
328	8.0	.0	.6	.96470	579.1	.00091	.000401	.00113	.000497	
329	10.0	1.5	1.1	.96638	580.5	.00093	.000409	.00089	.000392	
330	10.0	1.0	1.6	.96526	580.8	.00106	.000467	.00129	.000568	
331	10.0	.5	1.1	.96470	579.8	.00091	.000401	.00085	.000374	
332	10.0	.0	.6	.97142	583.1	.00085	.000374	.00099	.000436	
333	12.0	1.5	1.1	.96470	579.5	.00093	.000409	.00087	.000383	
334	12.0	1.0	1.6	.95965	577.1	.00104	.000458	.00079	.000348	
335	12.0	.5	1.1	.96862	581.8	.00091	.000401	.00106	.000467	
336	12.0	.0	.6	.97366	583.5	.00075	.000330	.00102	.000449	
337	14.0	1.5	1.1	.96862	580.8	.00076	.000335	.00076	.000335	
338	14.0	1.0	1.6	.96021	577.5	.00123	.000541	.00108	.000475	
339	14.0	.5	1.1	.96358	578.8	.00093	.000409	.00078	.000343	
340	14.0	.0	.6	.97590	584.1	.00067	.000295	.00098	.000431	
341	18.0	1.5	1.1	.96638	581.1	.00086	.000379	.00105	.000462	
342	18.0	1.0	1.6	.96526	580.5	.00102	.000449	.00109	.000480	
343	18.0	.5	1.1	.96470	579.5	.00093	.000409	.00110	.000484	
344	18.0	.0	.6	.95741	573.8	.00073	.000321			
345	22.0	1.5	1.1	.97198	583.5	.00085	.000374	.00079	.000348	
346	22.0	1.0	1.6	.96862	583.5	.00104	.000458	.00109	.000480	
347	22.0	.5	1.1	.96862	581.5	.00086	.000379	.00079	.000348	
348	22.0	.0	.6	.97422	583.1	.00063	.000277	.00071	.000313	
350	26.0	1.0	1.6	.96750	582.1	.00093	.000409	.00093	.000409	
351	26.0	.5	1.1	.97142	582.8	.00086	.000379	.00076	.000335	
352	26.0	.0	.6	.98263	587.8	.00069	.000304	.00068	.000299	
353	30.0	1.5	1.1	.97030	581.5	.00076	.000335	.00074	.000326	
354	30.0	1.0	1.6	.96358	578.8	.00091	.000401	.00077	.000339	
355	30.0	.5	1.1	.96974	583.5	.00086	.000379	.00089	.000392	
356	30.0	.0	.6	.97702	584.5	.00060	.000264	.00078	.000343	
358	8.0	-6.0	.6	.96582	581.5	.00104	.000458			
359	12.0	-6.0	.6	.96974	582.1	.00083	.000365	.00083	.000365	
360	16.0	-6.0	.6	.97310	585.5	.00086	.000379			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

8. Corrugated Panel with 30° Wedge Leading Edge; α = 10° - Continued

(d) M = 3.51; R = 3.92×10^6; T_t = 716° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94856	574.5	.00180	.000352			1.03
2	2.0	.0		.95303	577.1	.00158	.000309			.92
3	2.0	12.0		.95415	578.8	.00171	.000334			.87
4	8.0	.0		.96142	588.1	.00236	.000461			1.34
5	9.0	.0		.96645	589.5	.00242	.000473	.00238	.000465	1.27
6	10.0	.0		.97540	595.1	.00201	.000393			1.05
24	14.0	-12.0		.93570	566.8	.00183	.000358			.96
42	50.0	-8.0		.97092	583.1	.00093	.000182			.53
43	50.0	-5.0		.97428	583.8	.00076	.000149			.40
44	50.0	.0		.97651	582.1	.00019	.000037			.10
46	58.0	.0		.93291	564.1	.00161	.000315			.88
47	58.0	6.0		.92788	562.5	.00182	.000356			.91
48	58.0	12.0		.93067	568.1	.00252	.000493			1.11
301	1.0	1.5	1.1	.95080	570.5	.00086	.000168	.00064	.000125	
302	1.0	1.0	1.6	.93011	563.5	.00151	.000295	.00112	.000219	
303	1.0	.5	1.1	.94689	569.1	.00111	.000217	.00084	.000164	
304	1.0	.0	.6	.97372	583.8	.00073	.000143			
305	2.0	1.5	1.1	.94297	573.1	.00151	.000295	.00145	.000284	
306	2.0	1.0	1.6	.92229	562.5	.00185	.000362			
307	2.0	.5	1.1	.93570	569.5	.00181	.000354	.00154	.000301	
308	2.0	.0	.6	.95751	581.1	.00143	.000280			
309	3.0	1.5	1.1	.94074	571.1	.00200	.000391	.00183	.000358	
310	3.0	1.0	1.6	.92955	567.8	.00183	.000358	.00154	.000301	
311	3.0	.5	1.1	.93459	570.8	.00207	.000405	.00160	.000313	
312	3.0	.0	.6	.95974	585.1	.00217	.000424			
313	4.0	1.5	1.1	.93570	570.5	.00188	.000368	.00158	.000309	
314	4.0	1.0	1.6	.92508	565.1	.00210	.000411	.00155	.000303	
315	4.0	.5	1.1	.94018	574.8	.00218	.000426	.00232	.000454	
316	4.0	.0	.6	.95583	581.1	.00179	.000350			
317	5.0	1.5	1.1	.94074	571.5	.00201	.000393	.00198	.000387	
318	5.0	1.0	1.6	.92732	565.5	.00192	.000375			
319	5.0	.5	1.1	.94018	573.1	.00193	.000377	.00184	.000360	
320	5.0	.0	.6	.95807	581.5	.00180	.000352			
321	6.0	1.5	1.1	.94353	573.5	.00167	.000327	.00171	.000334	
322	6.0	1.0	1.6	.93011	568.1	.00183	.000358			
323	6.0	.5	1.1	.93906	572.8	.00173	.000338	.00179	.000350	
324	6.0	.0	.6	.95359	578.1	.00165	.000323	.00205	.000401	
325	8.0	1.5	1.1	.94241	572.8	.00168	.000328	.00163	.000319	
326	8.0	1.0	1.6	.93626	569.1	.00169	.000330	.00142	.000278	
327	8.0	.5	1.1	.94297	572.8	.00167	.000327	.00163	.000319	
328	8.0	.0	.6	.95248	575.8	.00132	.000258	.00158	.000309	
329	10.0	1.5	1.1	.95248	576.5	.00162	.000317	.00164	.000321	
330	10.0	1.0	1.6	.94689	574.1	.00182	.000356	.00175	.000342	
331	10.0	.5	1.1	.95080	575.1	.00146	.000285	.00138	.000270	
332	10.0	.0	.6	.95974	579.1	.00122	.000239	.00144	.000282	
333	12.0	1.5	1.1	.95136	575.8	.00162	.000317	.00161	.000315	
334	12.0	1.0	1.6	.94241	571.1	.00159	.000311	.00131	.000256	
335	12.0	.5	1.1	.95471	577.1	.00145	.000284	.00155	.000303	
336	12.0	.0	.6	.96254	580.5	.00117	.000229	.00141	.000276	
337	14.0	1.5	1.1	.95695	577.8	.00129	.000252	.00133	.000260	
338	14.0	1.0	1.6	.94465	572.1	.00150	.000293	.00139	.000272	
339	14.0	.5	1.1	.95024	574.8	.00146	.000285	.00132	.000258	
340	14.0	.0	.6	.96645	581.8	.00110	.000215	.00143	.000280	
341	18.0	1.5	1.1	.95527	576.8	.00123	.000240	.00141	.000276	
342	18.0	1.0	1.6	.95303	576.5	.00146	.000285	.00146	.000285	
343	18.0	.5	1.1	.95415	576.1	.00144	.000282	.00156	.000305	
344	18.0	.0	.6	.94968	571.5	.00112	.000219			
345	22.0	1.5	1.1	.96198	581.1	.00128	.000250	.00128	.000250	
346	22.0	1.0	1.6	.95639	580.5	.00153	.000299	.00152	.000297	
347	22.0	.5	1.1	.95863	579.5	.00129	.000252	.00118	.000231	
348	22.0	.0	.6	.96645	581.1	.00109	.000213	.00121	.000237	
350	26.0	1.0	1.6	.95527	581.8	.00134	.000262	.00134	.000262	
351	26.0	.5	1.1	.96142	580.8	.00117	.000229	.00101	.000197	
352	26.0	.0	.6	.97540	586.1	.00083	.000162	.00084	.000164	
353	30.0	1.5	1.1	.96086	578.8	.00126	.000246	.00124	.000242	
354	30.0	1.0	1.6	.95136	578.1	.00141	.000276	.00119	.000233	
355	30.0	.5	1.1	.96030	580.1	.00118	.000231	.00117	.000229	
356	30.0	.0	.6	.96981	582.8	.00085	.000166	.00109	.000213	
358	8.0	-6.0	.6	.95248	575.8	.00145	.000284			
359	12.0	-6.0	.6	.95863	578.8	.00144	.000282	.00144	.000282	
360	16.0	-6.0	.6	.96310	582.1	.00118	.000231			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

8. Corrugated Panel with 30° Wedge Leading Edge; α = 10° - Continued

(e) M = 3.51; R = 2.76 × 10^6; T_t = 714° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95234	573.5	.00130	.000364			1.00
2	2.0	.0		.95739	575.1	.00128	.000358			1.03
3	2.0	12.0		.95851	576.8	.00145	.000406			1.06
4	8.0	.0		.96412	582.1	.00179	.000501			1.38
5	9.0	.0		.96916	585.5	.00194	.000543	.00190	.000532	1.45
6	10.0	.0		.97925	591.1	.00160	.000448			1.19
24	14.0	-12.0		.93721	563.5	.00136	.000381			1.01
42	50.0	-8.0		.97365	581.8	.00077	.000215			.58
43	50.0	-5.0		.97701	582.8	.00056	.000157			.43
46	58.0	.0		.93833	563.5	.00123	.000344			.90
47	58.0	6.0		.93384	561.5	.00132	.000369			.85
48	58.0	12.0		.93552	565.8	.00191	.000534			1.29
301	1.0	1.5	1.1	.95795	571.8	.00073	.000204			
302	1.0	1.0	1.6	.94113	567.8	.00108	.000302			
303	1.0	.5	1.1	.95515	570.5	.00075	.000210			
304	1.0	.0	.6	.98037	584.8	.00062	.000173			
305	2.0	1.5	1.1	.94898	573.1	.00121	.000339	.00110	.000308	
306	2.0	1.0	1.6	.93104	563.1	.00158	.000442			
307	2.0	.5	1.1	.94281	567.5	.00148	.000414	.00127	.000355	
308	2.0	.0	.6	.96075	579.5	.00130	.000364			
309	3.0	1.5	1.1	.94618	569.8	.00147	.000411	.00132	.000369	
310	3.0	1.0	1.6	.93665	564.1	.00136	.000381	.00131	.000367	
311	3.0	.5	1.1	.94001	568.8	.00157	.000439			
312	3.0	.0	.6	.96243	581.8	.00150	.000420			
313	4.0	1.5	1.1	.94057	568.8	.00157	.000439	.00127	.000355	
314	4.0	1.0	1.6	.93216	563.8	.00155	.000434			
315	4.0	.5	1.1	.94618	572.8	.00167	.000467	.00183	.000512	
316	4.0	.0	.6	.95851	578.1	.00163	.000456			
317	5.0	1.5	1.1	.94674	570.1	.00147	.000411	.00144	.000403	
318	5.0	1.0	1.6	.93440	565.8	.00144	.000403			
319	5.0	.5	1.1	.94618	572.8	.00142	.000397	.00133	.000372	
320	5.0	.0	.6	.96187	579.1	.00145	.000406			
321	6.0	1.5	1.1	.94898	573.1	.00124	.000347	.00128	.000358	
322	6.0	1.0	1.6	.93777	564.8	.00149	.000417	.00115	.000322	
323	6.0	.5	1.1	.94562	570.1	.00164	.000459	.00161	.000450	
324	6.0	.0	.6	.95739	577.1	.00130	.000364	.00165	.000462	
325	8.0	1.5	1.1	.94786	572.5	.00123	.000344	.00115	.000322	
326	8.0	1.0	1.6	.94393	568.8	.00131	.000367	.00112	.000313	
327	8.0	.5	1.1	.94954	571.8	.00130	.000364	.00126	.000353	
328	8.0	.0	.6	.95683	576.1	.00105	.000294	.00130	.000364	
329	10.0	1.5	1.1	.95795	575.5	.00128	.000358	.00126	.000353	
330	10.0	1.0	1.6	.95459	575.1	.00130	.000364	.00127	.000355	
331	10.0	.5	1.1	.95739	574.8	.00128	.000358	.00121	.000339	
332	10.0	.0	.6	.96524	579.1	.00095	.000266	.00118	.000330	
333	12.0	1.5	1.1	.95739	574.8	.00112	.000313	.00108	.000302	
334	12.0	1.0	1.6	.95010	571.1	.00130	.000364	.00102	.000285	
335	12.0	.5	1.1	.96187	576.8	.00111	.000311	.00121	.000339	
336	12.0	.0	.6	.96748	579.5	.00087	.000243	.00110	.000308	
337	14.0	1.5	1.1	.96243	577.8	.00095	.000266	.00099	.000277	
338	14.0	1.0	1.6	.95234	572.1	.00112	.000313	.00107	.000299	
339	14.0	.5	1.1	.95739	574.5	.00112	.000313	.00100	.000280	
340	14.0	.0	.6	.97084	580.8	.00070	.000196			
341	18.0	1.5	1.1	.96187	576.5	.00092	.000257	.00107	.000299	
342	18.0	1.0	1.6	.96075	577.8	.00117	.000327	.00119	.000333	
343	18.0	.5	1.1	.96187	576.5	.00111	.000311	.00125	.000350	
344	18.0	.0	.6	.95571	571.5	.00077	.000215			
345	22.0	1.5	1.1	.96804	580.8	.00094	.000263	.00094	.000263	
346	22.0	1.0	1.6	.96412	579.1	.00128	.000358	.00126	.000353	
347	22.0	.5	1.1	.96636	578.8	.00110	.000308	.00103	.000288	
348	22.0	.0	.6	.97140	580.8	.00073	.000204	.00083	.000232	
350	26.0	1.0	1.6	.96355	578.5	.00127	.000355	.00127	.000355	
351	26.0	.5	1.1	.96860	580.1	.00087	.000243	.00075	.000210	
352	26.0	.0	.6	.98037	585.5	.00061	.000171	.00062	.000173	
353	30.0	1.5	1.1	.96692	578.8	.00087	.000243	.00085	.000238	
354	30.0	1.0	1.6	.95963	575.8	.00112	.000313	.00093	.000260	
355	30.0	.5	1.1	.96748	579.5	.00086	.000241	.00088	.000246	
356	30.0	.0	.6	.97477	582.1	.00061	.000171	.00080	.000224	
358	8.0	-6.0	.6	.95683	574.1	.00112	.000313			
359	12.0	-6.0	.6	.96299	578.1	.00095	.000266	.00095	.000266	
360	16.0	-6.0	.6	.96748	580.5	.00094	.000263			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

8. Corrugated Panel with 30° Wedge Leading Edge; α = 10° - Continued

(f) M = 3.51; R = 1.59×10^6; T_t = 711° R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95354	571.8	.00076	.000370			.86
2	2.0	.0		.95858	575.5	.00078	.000380			.90
3	2.0	12.0		.96026	576.1	.00079	.000384			.91
4	8.0	.0		.96362	579.8	.00110	.000535			1.41
5	9.0	.0		.96865	582.8	.00119	.000579	.00115	.000560	1.35
6	10.0	.0		.97929	588.5	.00087	.000423			.99
24	14.0	-12.0		.93843	562.5	.00103	.000501			1.18
42	50.0	-8.0		.97649	583.1	.00046	.000224			.53
43	50.0	-5.0		.97873	583.8	.00032	.000156			.36
46	58.0	.0		.94347	565.1	.00069	.000336			.87
47	58.0	6.0		.94123	566.1	.00085	.000414			.98
48	58.0	12.0		.94179	566.5	.00110	.000535			1.20
301	1.0	1.5	1.1	.96977	578.5	.00040	.000195			
302	1.0	1.0	1.6	.95746	574.1	.00064	.000311			
303	1.0	.5	1.1	.96697	577.1	.00047	.000229			
304	1.0	.0	.6	.98544	587.5	.00032	.000156			
305	2.0	1.5	1.1	.95914	574.8	.00084	.000409	.00086	.000419	
306	2.0	1.0	1.6	.94571	568.5	.00103	.000501			
307	2.0	.5	1.1	.95354	572.1	.00081	.000394	.00062	.000302	
308	2.0	.0	.6	.96585	580.1	.00069	.000336	.00091	.000443	
309	3.0	1.5	1.1	.95410	572.8	.00090	.000438	.00075	.000365	
310	3.0	1.0	1.6	.94739	568.8	.00091	.000443	.00081	.000394	
311	3.0	.5	1.1	.94795	569.8	.00095	.000462			
312	3.0	.0	.6	.96641	581.5	.00119	.000579			
313	4.0	1.5	1.1	.94795	569.5	.00098	.000477			
314	4.0	1.0	1.6	.94179	565.8	.00099	.000482			
315	4.0	.5	1.1	.95298	573.1	.00090	.000438			
316	4.0	.0	.6	.96250	578.1	.00088	.000428			
317	5.0	1.5	1.1	.95354	573.1	.00090	.000438	.00087	.000423	
318	5.0	1.0	1.6	.94347	567.5	.00103	.000501			
319	5.0	.5	1.1	.95298	572.5	.00091	.000443	.00084	.000409	
320	5.0	.0	.6	.96585	579.8	.00089	.000433			
321	6.0	1.5	1.1	.95634	573.5	.00075	.000365	.00080	.000389	
322	6.0	1.0	1.6	.94739	568.5	.00091	.000443			
323	6.0	.5	1.1	.95354	572.5	.00089	.000433	.00090	.000438	
324	6.0	.0	.6	.96250	577.8	.00084	.000409	.00105	.000511	
325	8.0	1.5	1.1	.95522	572.5	.00067	.000326	.00055	.000268	
326	8.0	1.0	1.6	.95354	571.5	.00075	.000365	.00063	.000307	
327	8.0	.5	1.1	.95690	573.5	.00068	.000331	.00065	.000316	
328	8.0	.0	.6	.96250	576.1	.00062	.000302			
329	10.0	1.5	1.1	.96474	577.8	.00065	.000316	.00060	.000292	
330	10.0	1.0	1.6	.96362	577.8	.00074	.000360	.00078	.000380	
331	10.0	.5	1.1	.96530	577.8	.00063	.000307	.00056	.000273	
332	10.0	.0	.6	.97089	580.5	.00047	.000229			
333	12.0	1.5	1.1	.96418	577.1	.00063	.000307	.00055	.000268	
334	12.0	1.0	1.6	.95970	574.8	.00069	.000336			
335	12.0	.5	1.1	.96921	580.1	.00060	.000292	.00075	.000365	
336	12.0	.0	.6	.97257	581.5	.00044	.000214	.00062	.000302	
337	14.0	1.5	1.1	.96921	579.8	.00058	.000282	.00061	.000297	
338	14.0	1.0	1.6	.96138	575.8	.00066	.000321	.00046	.000224	
339	14.0	.5	1.1	.96530	577.8	.00061	.000297	.00049	.000238	
340	14.0	.0	.6	.97593	582.8	.00049	.000238			
341	18.0	1.5	1.1	.96921	579.5	.00053	.000258	.00064	.000311	
342	18.0	1.0	1.6	.97033	580.8	.00061	.000297	.00066	.000321	
343	18.0	.5	1.1	.97033	580.5	.00058	.000282	.00075	.000365	
344	18.0	.0	.6	.96250	574.8	.00049	.000238			
345	22.0	1.5	1.1	.97593	583.5	.00045	.000219	.00044	.000214	
346	22.0	1.0	1.6	.97425	583.5	.00074	.000360	.00076	.000370	
347	22.0	.5	1.1	.97481	582.8	.00051	.000248	.00047	.000229	
348	22.0	.0	.6	.97761	583.8	.00040	.000195	.00043	.000209	
350	26.0	1.0	1.6	.97369	582.8	.00061	.000297	.00061	.000297	
351	26.0	.5	1.1	.97761	584.1	.00052	.000253	.00043	.000209	
352	26.0	.0	.6	.98600	588.5	.00032	.000156			
353	30.0	1.5	1.1	.97481	582.5	.00043	.000209			
354	30.0	1.0	1.6	.96977	580.5	.00070	.000341	.00054	.000263	
355	30.0	.5	1.1	.97593	583.5	.00044	.000214	.00048	.000234	
356	30.0	.0	.6	.98041	585.1	.00032	.000156			
358	8.0	-6.0	.6	.96138	575.8	.00062	.000302			
359	12.0	-6.0	.6	.96809	579.1	.00053	.000258	.00053	.000258	
360	16.0	-6.0	.6	.97257	581.8	.00047	.000229			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

8. Corrugated Panel with 30° Wedge Leading Edge; α = 10° - Continued

(g) M = 4.44; R = 4.48 × 10^6; T_t = 688° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.91725	556.5	.00090	.000228			1.23
2	2.0	.0		.92225	559.5	.00103	.000261			1.34
3	2.0	12.0		.92225	562.5	.00131	.000333			.98
4	8.0	.0		.93669	570.5	.00161	.000409			1.52
5	9.0	.0		.94169	573.8	.00164	.000416	.00154	.000391	1.55
6	10.0	.0		.95557	582.5	.00126	.000320			1.62
24	14.0	-12.0		.91114	552.1	.00104	.000264			1.25
42	50.0	-8.0		.94557	570.5	.00058	.000147			.75
43	50.0	-5.0		.94613	569.8	.00053	.000135			.62
46	58.0	.0		.90892	550.8	.00104	.000264			.97
47	58.0	6.0		.89282	543.8	.00134	.000340			1.09
48	58.0	12.0		.90615	553.1	.00175	.000444			1.17
301	1.0	1.5	1.1	.92392	556.8	.00057	.000145	.00059	.000150	
302	1.0	1.0	1.6	.91503	554.8	.00080	.000203			
303	1.0	.5	1.1	.92225	556.5	.00066	.000168	.00063	.000160	
305	2.0	1.5	1.1	.91614	555.5	.00100	.000254	.00096	.000244	
306	2.0	1.0	1.6	.90170	548.5	.00135	.000343			
307	2.0	.5	1.1	.91003	552.5	.00108	.000274			
308	2.0	.0	.6	.92836	563.8	.00101	.000256			
309	3.0	1.5	1.1	.91281	554.5	.00112	.000284			
310	3.0	1.0	1.6	.91003	553.8	.00124	.000315	.00150	.000381	
311	3.0	.5	1.1	.90615	553.1	.00135	.000343			
312	3.0	.0	.6	.93558	569.8	.00123	.000312			
313	4.0	1.5	1.1	.91336	555.1	.00115	.000292	.00119	.000302	
314	4.0	1.0	1.6	.90226	549.1	.00145	.000368			
315	4.0	.5	1.1	.90670	552.5	.00127	.000322	.00135	.000343	
316	4.0	.0	.6	.92280	561.1	.00123	.000312			
317	5.0	1.5	1.1	.91281	556.8	.00112	.000284	.00100	.000254	
318	5.0	1.0	1.6	.90392	551.1	.00134	.000340			
319	5.0	.5	1.1	.90948	554.8	.00133	.000338	.00126	.000320	
321	6.0	1.5	1.1	.92114	559.5	.00121	.000307	.00128	.000325	
322	6.0	1.0	1.6	.90726	551.1	.00127	.000322			
323	6.0	.5	1.1	.91392	557.1	.00124	.000315			
324	6.0	.0	.6	.93391	566.5	.00076	.000193			
325	8.0	1.5	1.1	.92003	558.8	.00121	.000307	.00115	.000292	
326	8.0	1.0	1.6	.91225	554.5	.00117	.000297			
327	8.0	.5	1.1	.91781	557.8	.00104	.000264	.00096	.000244	
328	8.0	.0	.6	.93002	562.8	.00073	.000185			
329	10.0	1.5	1.1	.92669	561.5	.00128	.000325	.00130	.000330	
331	10.0	.5	1.1	.90448	547.1	.00070	.000178			
333	12.0	1.5	1.1	.92780	562.8	.00085	.000216	.00082	.000208	
334	12.0	1.0	1.6	.92392	560.5	.00129	.000328	.00120	.000305	
335	12.0	.5	1.1	.92558	560.5	.00084	.000213	.00083	.000211	
336	12.0	.0	.6	.93447	565.1	.00082	.000208			
337	14.0	1.5	1.1	.93113	563.5	.00088	.000223	.00079	.000201	
338	14.0	1.0	1.6	.92392	560.1	.00076	.000193	.00060	.000152	
339	14.0	.5	1.1	.92836	562.1	.00102	.000259	.00089	.000226	
340	14.0	.0	.6	.93946	567.1	.00073	.000185			
341	18.0	1.5	1.1	.93502	566.1	.00116	.000294			
342	18.0	1.0	1.6	.92947	565.1	.00101	.000256	.00094	.000239	
343	18.0	.5	1.1	.93002	562.5	.00070	.000178	.00085	.000216	
344	18.0	.0	.6	.92558	558.5	.00055	.000140			
345	22.0	1.5	1.1	.94113	569.5	.00073	.000185	.00096	.000244	
346	22.0	1.0	1.6	.93391	565.8	.00102	.000259			
347	22.0	.5	1.1	.93835	567.8	.00074	.000188	.00081	.000206	
348	22.0	.0	.6	.94058	567.1	.00049	.000124			
349	26.0	1.5	1.1	.93946	569.1	.00073	.000185	.00095	.000241	
350	26.0	1.0	1.6	.92947	562.5	.00102	.000259	.00073	.000185	
351	26.0	.5	1.1	.93391	564.5	.00082	.000208	.00065	.000165	
353	30.0	1.5	1.1	.93946	567.1	.00061	.000155	.00065	.000165	
354	30.0	1.0	1.6	.93447	565.1	.00101	.000256	.00088	.000223	
355	30.0	.5	1.1	.93835	566.5	.00068	.000173	.00066	.000168	
356	30.0	.0	.6	.94224	567.8	.00067	.000170	.00083	.000211	
357	4.0	-6.0	.6	.91947	558.5	.00131	.000333			
358	8.0	-6.0	.6	.92392	558.8	.00073	.000185	.00072	.000183	
359	12.0	-6.0	.6	.93169	562.8	.00061	.000155	.00061	.000155	
360	16.0	-6.0	.6	.93780	566.5	.00067	.000170			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

8. Corrugated Panel with 30° Wedge Leading Edge; α = 10° - Continued

(b) M = 4.44; R = 3.19 × 10^6; T_t = 680° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.92302	553.5	.00080	.000287			1.31
2	2.0	.0		.92860	557.5	.00075	.000269			.99
3	2.0	12.0		.92915	558.1	.00086	.000308			1.02
4	8.0	.0		.94143	566.1	.00114	.000409			1.52
5	9.0	.0		.94589	570.5	.00119	.000427	.00103	.000369	1.65
6	10.0	.0		.95983	576.5	.00081	.000290			1.14
24	14.0	-12.0		.91577	550.1	.00080	.000287			1.19
43	50.0	-5.0		.95314	569.5	.00039	.000140			.51
46	58.0	.0		.91521	548.5	.00067	.000240			.79
47	58.0	6.0		.90294	541.8	.00079	.000283			.80
48	58.0	12.0		.91465	551.1	.00131	.000470			1.20
301	1.0	1.5	1.1	.93752	560.1	.00039	.000140	.00045	.000161	
302	1.0	1.0	1.6	.93139	558.8	.00075	.000269	.00062	.000222	
303	1.0	.5	1.1	.93641	559.8	.00050	.000179	.00052	.000186	
304	1.0	.0	.6	.93752	560.5	.00048	.000172	.00053	.000190	
305	2.0	1.5	1.1	.92804	556.5	.00070	.000251	.00063	.000226	
306	2.0	1.0	1.6	.91632	550.5	.00082	.000294			
307	2.0	.5	1.1	.92246	553.5	.00090	.000323	.00049	.000176	
308	2.0	.0	.6	.93752	562.8	.00089	.000319			
309	3.0	1.5	1.1	.92358	554.5	.00102	.000366			
310	3.0	1.0	1.6	.92190	553.5	.00105	.000377			
311	3.0	.5	1.1	.91688	550.8	.00108	.000387			
312	3.0	.0	.6	.94366	567.5	.00109	.000391			
313	4.0	1.5	1.1	.92246	554.1	.00107	.000384	.00110	.000394	
314	4.0	1.0	1.6	.91298	548.8	.00109	.000391			
315	4.0	.5	1.1	.91688	550.8	.00112	.000402			
316	4.0	.0	.6	.93027	559.1	.00101	.000362			
317	5.0	1.5	1.1	.92190	553.5	.00091	.000326	.00079	.000283	
318	5.0	1.0	1.6	.91354	549.1	.00110	.000394			
319	5.0	.5	1.1	.91856	553.1	.00108	.000387	.00101	.000362	
321	6.0	1.5	1.1	.93027	559.1	.00079	.000283	.00092	.000330	
322	6.0	1.0	1.6	.91744	550.8	.00091	.000326			
323	6.0	.5	1.1	.92358	554.5	.00090	.000323			
324	6.0	.0	.6	.94254	566.5	.00088	.000316			
325	8.0	1.5	1.1	.92915	557.5	.00079	.000283	.00062	.000222	
326	8.0	1.0	1.6	.92190	553.1	.00079	.000283			
327	8.0	.5	1.1	.92748	556.1	.00075	.000269	.00066	.000237	
328	8.0	.0	.6	.93864	562.1	.00058	.000208			
329	10.0	1.5	1.1	.93529	561.8	.00078	.000280	.00080	.000287	
331	10.0	.5	1.1	.91354	547.5	.00072	.000258	.00064	.000230	
334	12.0	1.0	1.6	.93417	560.1	.00085	.000305	.00078	.000280	
335	12.0	.5	1.1	.93641	560.5	.00070	.000251	.00060	.000215	
336	12.0	.0	.6	.94198	565.1	.00050	.000179			
338	14.0	1.0	1.6	.93473	560.1	.00078	.000280			
339	14.0	.5	1.1	.93864	562.1	.00070	.000251	.00058	.000208	
341	18.0	1.5	1.1	.94421	566.1	.00069	.000247			
342	18.0	1.0	1.6	.94143	564.5	.00076	.000273	.00070	.000251	
345	22.0	1.5	1.1	.95091	569.5	.00069	.000247	.00090	.000323	
346	22.0	1.0	1.6	.94533	566.1	.00064	.000230	.00056	.000201	
348	22.0	.0	.6	.94979	567.8	.00050	.000179			
349	26.0	1.5	1.1	.94868	568.1	.00049	.000176			
350	26.0	1.0	1.6	.94031	563.5	.00067	.000240			
352	26.0	.0	.6	.95091	568.5	.00038	.000136			
353	30.0	1.5	1.1	.94868	567.8	.00050	.000179	.00054	.000194	
354	30.0	1.0	1.6	.94533	566.1	.00057	.000204			
355	30.0	.5	1.1	.94812	567.5	.00055	.000197	.00056	.000201	
356	30.0	.0	.6	.95147	568.5	.00040	.000143	.00050	.000179	
357	4.0	-6.0	.6	.92692	556.8	.00084	.000301			
358	8.0	-6.0	.6	.93250	558.5	.00056	.000201	.00056	.000201	
359	12.0	-6.0	.6	.93975	562.8	.00057	.000204	.00057	.000204	
360	16.0	-6.0	.6	.94645	566.8	.00048	.000172			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

8. Corrugated Panel with 30° Wedge Leading Edge; α = 10° - Concluded

(i) M = 4.44; R = 2.12 × 10^6; T_t = 682° R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.91961	554.1	.00055	.000298			1.02
2	2.0	.0		.92626	558.5	.00055	.000298			.67
3	2.0	12.0		.92681	559.1	.00066	.000357			.96
4	8.0	.0		.93790	566.5	.00081	.000438			1.53
5	9.0	.0		.94178	568.5	.00077	.000417	.00061	.000330	1.17
6	10.0	.0		.95509	575.8	.00066	.000357			1.12
24	14.0	-12.0		.91240	549.8	.00111	.000601			
46	58.0	.0		.91351	550.1	.00055	.000298			1.04
47	58.0	6.0		.90741	546.8	.00071	.000384			1.25
48	58.0	12.0		.91628	554.1	.00096	.000519			1.19
302	1.0	1.0	1.6	.93901	565.8	.00054	.000292	.00053	.000287	
305	2.0	1.5	1.1	.93347	562.1	.00058	.000314	.00057	.000308	
306	2.0	1.0	1.6	.92460	557.8	.00075	.000406			
307	2.0	.5	1.1	.92848	559.5	.00065	.000352			
308	2.0	.0	.6	.93901	566.1	.00058	.000314			
309	3.0	1.5	1.1	.92737	559.1	.00071	.000384			
310	3.0	1.0	1.6	.92737	559.1	.00076	.000411			
311	3.0	.5	1.1	.92127	557.5	.00083	.000449			
312	3.0	.0	.6	.94455	570.8	.00082	.000444			
313	4.0	1.5	1.1	.92460	557.8	.00074	.000400	.00074	.000400	
314	4.0	1.0	1.6	.91739	553.1	.00084	.000455			
315	4.0	.5	1.1	.91961	554.8	.00082	.000444			
316	4.0	.0	.6	.93069	561.5	.00081	.000438			
317	5.0	1.5	1.1	.92460	557.1	.00083	.000449	.00071	.000384	
318	5.0	1.0	1.6	.91794	553.1	.00083	.000449			
321	6.0	1.5	1.1	.93236	562.1	.00068	.000368	.00082	.000444	
322	6.0	1.0	1.6	.92072	554.8	.00081	.000438			
323	6.0	.5	1.1	.92626	557.8	.00059	.000319			
324	6.0	.0	.6	.94289	568.8	.00056	.000303			
325	8.0	1.5	1.1	.93014	560.5	.00068	.000368	.00060	.000325	
326	8.0	1.0	1.6	.92515	557.1	.00059	.000319			
327	8.0	.5	1.1	.93014	560.1	.00080	.000433	.00078	.000422	
328	8.0	.0	.6	.93846	564.8	.00053	.000287			
329	10.0	1.5	1.1	.93679	563.8	.00053	.000287	.00055	.000298	
331	10.0	.5	1.1	.91462	550.5	.00051	.000276			
334	12.0	1.0	1.6	.93679	564.1	.00060	.000325	.00056	.000303	
335	12.0	.5	1.1	.93790	564.1	.00053	.000287	.00052	.000281	
336	12.0	.0	.6	.94178	566.5	.00044	.000238			
337	14.0	1.5	1.1	.94178	566.5	.00049	.000265			
338	14.0	1.0	1.6	.93735	564.1	.00053	.000287			
339	14.0	.5	1.1	.93957	565.8	.00045	.000243			
340	14.0	.0	.6	.94622	569.8	.00026	.000141			
341	18.0	1.5	1.1	.94455	568.5	.00047	.000254			
345	22.0	1.5	1.1	.95176	572.1	.00039	.000211			
346	22.0	1.0	1.6	.94733	570.1	.00055	.000298			
347	22.0	.5	1.1	.94954	571.1	.00041	.000222	.00051	.000276	
348	22.0	.0	.6	.94899	570.5	.00035	.000189			
349	26.0	1.5	1.1	.95010	571.5	.00047	.000254			
350	26.0	1.0	1.6	.94234	567.1	.00052	.000281			
351	26.0	.5	1.1	.94622	569.1	.00036	.000195	.00033	.000179	
354	30.0	1.0	1.6	.94733	570.5	.00053	.000287			
355	30.0	.5	1.1	.95010	571.5	.00047	.000254	.00051	.000276	
356	30.0	.0	.6	.95065	571.5	.00035	.000189	.00040	.000216	
357	4.0	-6.0	.6	.92792	559.5	.00061	.000330			
358	8.0	-6.0	.6	.93236	561.1	.00050	.000271	.00049	.000265	
360	16.0	-6.0	.6	.94733	569.8	.00045	.000243			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

9. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 0^{o}$

(a) M = 2.65; R = 3.88 × 10^{6}; T_t = 717° R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, °R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94849	586.1	.00329	.000466			1.05
2	2.0	.0		.95403	585.5	.00320	.000453			1.07
3	2.0	12.0		.95126	583.8	.00321	.000455			1.08
4	8.0	.0		.94739	581.5	.00322	.000456			1.05
5	9.0	.0		.95071	588.5	.00311	.000441	.00303	.000429	.94
6	10.0	.0		.95514	588.8	.00366	.000519	.00371	.000526	1.20
7	11.0	.0		.95957	592.1	.00394	.000558	.00402	.000570	1.19
8	11.5	.0		.95901	592.5	.00386	.000547	.00627	.000888	1.27
42	50.0	-8.0		.96621	585.8	.00110	.000156			.35
43	50.0	-5.0		.97064	586.1	.00076	.000108			.24
44	50.0	.0		.96345	580.8	.00049	.000069			.15
45	50.0	6.0		.96511	582.5	.00073	.000103			.24
46	58.0	.0		.92690	567.1	.00271	.000384			.92
47	58.0	6.0		.93354	578.5	.00318	.000451			1.00
48	58.0	12.0		.94129	578.5	.00326	.000462			1.03
301	1.0	1.5	1.1	.94794	583.8	.00300	.000425	.00279	.000395	
302	1.0	1.0	1.6	.94019	580.5	.00408	.000578	.00394	.000558	
303	1.0	.5	1.1	.94905	587.8	.00305	.000432	.00295	.000418	
304	1.0	.0	.6	.96012	590.1	.00259	.000367	.00303	.000429	
305	2.0	1.5	1.1	.95071	585.1	.00361	.000512	.00365	.000517	
306	2.0	1.0	1.6	.94185	586.8	.00362	.000513	.00331	.000469	
307	2.0	.5	1.1	.95126	590.1	.00307	.000435	.00313	.000443	
308	2.0	.0	.6	.96068	591.1	.00272	.000385	.00301	.000426	
309	3.0	1.5	1.1	.95348	590.5	.00303	.000429	.00304	.000431	
310	3.0	1.0	1.6	.94517	585.1	.00358	.000507	.00332	.000470	
311	3.0	.5	1.1	.95348	585.8	.00303	.000429	.00305	.000432	
312	3.0	.0	.6	.96178	591.5	.00271	.000384	.00297	.000421	
313	4.0	1.5	1.1	.95292	585.5	.00322	.000456	.00312	.000442	
314	4.0	1.0	1.6	.94628	586.1	.00359	.000509	.00344	.000487	
315	4.0	.5	1.1	.95292	587.8	.00302	.000428	.00290	.000411	
316	4.0	.0	.6	.96511	590.1	.00232	.000329			
317	5.0	1.5	1.1	.95514	586.5	.00300	.000425			
318	5.0	1.0	1.6	.94739	583.5	.00363	.000514	.00343	.000486	
319	5.0	.5	1.1	.95569	586.2	.00300	.000425			
321	6.0	1.5	1.1	.95569	586.1	.00301	.000426	.00300	.000425	
323	6.0	.5	1.1	.95846	588.1	.00300	.000425	.00304	.000431	
324	6.0	.0	.6	.96345	589.8	.00231	.000327			
325	8.0	1.5	1.1	.95680	587.1	.00300	.000425	.00308	.000436	
326	8.0	1.0	1.6	.94960	583.5	.00324	.000459	.00302	.000428	
327	8.0	.5	1.1	.95791	586.5	.00280	.000397	.00283	.000401	
328	8.0	.0	.6	.96234	588.1	.00243	.000344	.00253	.000358	
329	10.0	1.5	1.1	.95735	586.5	.00281	.000398	.00276	.000391	
330	10.0	1.0	1.6	.95292	590.5	.00304	.000431	.00302	.000428	
331	10.0	.5	1.1	.95791	586.1	.00262	.000371	.00255	.000361	
332	10.0	.0	.6	.96400	588.8	.00223	.000316	.00241	.000341	
333	12.0	1.5	1.1	.95680	586.5	.00282	.000400	.00282	.000400	
334	12.0	1.0	1.6	.95071	586.5	.00302	.000428	.00286	.000405	
335	12.0	.5	1.1	.95735	589.5	.00232	.000329	.00224	.000317	
336	12.0	.0	.6	.96511	590.8	.00207	.000293	.00230	.000326	
337	14.0	1.5	1.1	.95680	589.1	.00232	.000329	.00232	.000329	
339	14.0	.5	1.1	.95957	589.8	.00259	.000367	.00260	.000368	
340	14.0	.0	.6	.96289	590.1	.00192	.000272	.00196	.000278	
341	18.0	1.5	1.1	.95458	583.5	.00245	.000347	.00257	.000364	
342	18.0	1.0	1.6	.95071	582.8	.00274	.000388	.00340	.000482	
343	18.0	.5	1.1	.95348	583.1	.00262	.000371	.00270	.000383	
344	18.0	.0	.6	.95237	580.5	.00207	.000293	.00189	.000268	
345	22.0	1.5	1.1	.95569	584.1	.00244	.000346	.00237	.000336	
346	22.0	1.0	1.6	.95182	583.8	.00285	.000404	.00286	.000405	
347	22.0	.5	1.1	.95458	582.8	.00225	.000319	.00210	.000298	
348	22.0	.0	.6	.96345	586.8	.00182	.000258	.00273	.000387	
349	26.0	1.5	1.1	.95625	584.2	.00243	.000344			
350	26.0	1.0	1.6	.95015	586.5	.00255	.000361	.00255	.000361	
351	26.0	.5	1.1	.95625	583.8	.00209	.000296			
354	30.0	1.0	1.6	.95126	582.8	.00283	.000401			
355	30.0	.5	1.1	.95957	587.5	.00209	.000296	.00216	.000306	
356	30.0	.0	.6	.96345	588.1	.00182	.000258			
357	4.0	-6.0	.6	.96289	590.5	.00281	.000398			
358	8.0	-6.0	.6	.96455	594.1	.00222	.000315	.00222	.000315	
359	12.0	-6.0	.6	.96345	588.8	.00224	.000317	.00224	.000317	
360	16.0	-6.0	.6	.96345	590.8	.00221	.000313			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-°R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

9. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 0^{\circ}$ - Continued

(b) $M = 2.65$; $R = 2.50 \times 10^6$; $T_t = 717^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95525	579.1	.00230	.000506			.95
2	2.0	.0		.96084	581.8	.00224	.000492			1.00
3	2.0	12.0		.95804	580.1	.00225	.000495			1.13
4	8.0	.0		.95357	577.1	.00226	.000497			1.01
5	9.0	.0		.95748	579.5	.00225	.000495	.00220	.000484	1.00
6	10.0	.0		.96140	584.8	.00268	.000589	.00276	.000607	1.20
7	11.0	.0		.96420	586.5	.00273	.000600	.00280	.000616	1.24
8	11.5	.0		.96364	586.5	.00284	.000624			1.28
42	50.0	-8.0		.97315	581.8	.00067	.000147			.29
43	50.0	-5.0		.97650	583.1	.00054	.000119			.23
44	50.0	.0		.97147	579.5	.00035	.000077			.16
45	50.0	6.0		.97091	579.5	.00040	.000088			.18
46	58.0	.0		.93567	565.1	.00196	.000431			.86
47	58.0	6.0		.94126	570.1	.00229	.000503			1.04
48	58.0	12.0		.94741	574.1	.00225	.000495			.98
301	1.0	1.5	1.1	.95469	577.1	.00208	.000457	.00190	.000418	
302	1.0	1.0	1.6	.94741	576.1	.00269	.000591	.00258	.000567	
303	1.0	.5	1.1	.95581	583.1	.00185	.000407	.00173	.000380	
304	1.0	.0	.6	.96755	590.1	.00153	.000336	.00189	.000416	
305	2.0	1.5	1.1	.95860	581.5	.00227	.000499	.00232	.000510	
306	2.0	1.0	1.6	.95077	579.8	.00251	.000552	.00222	.000488	
307	2.0	.5	1.1	.95972	581.8	.00226	.000497	.00232	.000510	
308	2.0	.0	.6	.96811	589.1	.00188	.000413	.00188	.000413	
309	3.0	1.5	1.1	.96196	585.8	.00193	.000424	.00194	.000427	
310	3.0	1.0	1.6	.95525	581.8	.00233	.000512	.00229	.000503	
311	3.0	.5	1.1	.96252	582.8	.00192	.000422	.00195	.000429	
312	3.0	.0	.6	.96923	585.5	.00187	.000411	.00204	.000449	
313	4.0	1.5	1.1	.96196	584.5	.00209	.000460	.00200	.000440	
314	4.0	1.0	1.6	.95636	580.8	.00264	.000580	.00252	.000554	
315	4.0	.5	1.1	.96252	585.5	.00184	.000405	.00171	.000376	
316	4.0	.0	.6	.97259	586.8	.00158	.000347			
317	5.0	1.5	1.1	.96420	583.8	.00193	.000424			
318	5.0	1.0	1.6	.95748	580.8	.00246	.000541	.00229	.000503	
319	5.0	.5	1.1	.96420	583.2	.00183	.000402			
321	6.0	1.5	1.1	.96531	586.8	.00182	.000400	.00181	.000398	
323	6.0	.5	1.1	.96755	585.1	.00205	.000451	.00208	.000457	
324	6.0	.0	.6	.97203	586.5	.00169	.000372			
325	8.0	1.5	1.1	.96643	584.5	.00205	.000451	.00213	.000468	
326	8.0	1.0	1.6	.96028	583.1	.00209	.000460	.00189	.000416	
327	8.0	.5	1.1	.96755	585.5	.00170	.000374	.00175	.000385	
328	8.0	.0	.6	.97091	585.1	.00151	.000332	.00157	.000345	
329	10.0	1.5	1.1	.96643	584.1	.00205	.000451	.00202	.000444	
330	10.0	1.0	1.6	.96308	585.1	.00209	.000460	.00205	.000451	
331	10.0	.5	1.1	.96811	586.8	.00154	.000339	.00151	.000332	
332	10.0	.0	.6	.97259	585.8	.00150	.000330	.00162	.000356	
333	12.0	1.5	1.1	.96643	583.8	.00188	.000413	.00189	.000416	
334	12.0	1.0	1.6	.96084	583.5	.00209	.000460	.00198	.000435	
335	12.0	.5	1.1	.96643	584.1	.00159	.000350	.00152	.000334	
336	12.0	.0	.6	.97203	586.5	.00134	.000295	.00150	.000330	
337	14.0	1.5	1.1	.96699	584.5	.00158	.000347	.00158	.000347	
339	14.0	.5	1.1	.96755	585.8	.00171	.000376	.00172	.000378	
340	14.0	.0	.6	.96923	586.1	.00115	.000253	.00110	.000242	
341	18.0	1.5	1.1	.96196	580.5	.00160	.000352	.00166	.000365	
342	18.0	1.0	1.6	.95972	579.8	.00206	.000453	.00257	.000565	
343	18.0	.5	1.1	.96308	580.5	.00169	.000372	.00180	.000396	
344	18.0	.0	.6	.96028	577.5	.00135	.000297	.00117	.000257	
345	22.0	1.5	1.1	.96531	582.1	.00169	.000372	.00164	.000361	
346	22.0	1.0	1.6	.96196	583.1	.00184	.000405	.00185	.000407	
347	22.0	.5	1.1	.96420	580.8	.00152	.000334	.00139	.000306	
348	22.0	.0	.6	.97259	584.5	.00122	.000268	.00207	.000455	
349	26.0	1.5	1.1	.96643	582.5	.00158	.000347			
350	26.0	1.0	1.6	.96084	583.5	.00174	.000383	.00174	.000383	
351	26.0	.5	1.1	.96643	581.8	.00151	.000332			
354	30.0	1.0	1.6	.96196	582.5	.00172	.000378			
355	30.0	.5	1.1	.96923	583.8	.00151	.000332	.00158	.000347	
356	30.0	.0	.6	.97259	585.5	.00122	.000268			
357	4.0	-6.0	.6	.97035	586.5	.00188	.000413			
358	8.0	-6.0	.6	.97203	589.1	.00145	.000319	.00145	.000319	
359	12.0	-6.0	.6	.97091	586.5	.00146	.000321	.00146	.000321	
360	16.0	-6.0	.6	.97147	585.5	.00151	.000332			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

9. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 0^{\circ}$ - Continued

(c) M = 2.65; R = 1.27×10^6; $T_t = 713^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95751	577.1	.00130	.000567			1.02
2	2.0	.0		.96310	581.1	.00115	.000501			.91
3	2.0	12.0		.95974	579.1	.00115	.000501			1.04
4	8.0	.0		.95695	577.1	.00115	.000501			.91
5	9.0	.0		.96198	579.1	.00122	.000532	.00113	.000492	.95
6	10.0	.0		.96422	583.5	.00166	.000723	.00173	.000754	1.31
7	11.0	.0		.96701	584.5	.00166	.000723	.00171	.000745	1.30
8	11.5	.0		.96701	585.5	.00156	.000680			1.22
42	50.0	-8.0		.97987	584.8	.00032	.000139			.25
43	50.0	-5.0		.98155	585.1	.00024	.000105			.19
44	50.0	.0		.97707	582.5	.00020	.000087			.17
46	58.0	.0		.94577	568.1	.00104	.000453			.86
47	58.0	6.0		.94968	572.8	.00116	.000506			.91
48	58.0	12.0		.95192	573.1	.00127	.000554			.95
301	1.0	1.5	1.1	.96645	580.1	.00088	.000384	.00075	.000327	
302	1.0	1.0	1.6	.95974	581.8	.00120	.000523	.00108	.000471	
303	1.0	.5	1.1	.96701	581.1	.00096	.000418	.00085	.000370	
304	1.0	.0	.6	.97763	587.1	.00067	.000292			
305	2.0	1.5	1.1	.97037	584.1	.00120	.000523	.00126	.000549	
306	2.0	1.0	1.6	.96310	581.8	.00122	.000532	.00101	.000440	
307	2.0	.5	1.1	.97148	584.5	.00119	.000519	.00126	.000549	
308	2.0	.0	.6	.97707	586.8	.00081	.000353			
309	3.0	1.5	1.1	.97428	586.1	.00096	.000418	.00121	.000527	
310	3.0	1.0	1.6	.96925	584.8	.00126	.000549	.00112	.000488	
311	3.0	.5	1.1	.97540	586.5	.00096	.000418	.00103	.000449	
312	3.0	.0	.6	.97987	589.8	.00084	.000366	.00100	.000436	
313	4.0	1.5	1.1	.97484	586.1	.00098	.000427	.00089	.000388	
314	4.0	1.0	1.6	.97037	584.8	.00115	.000501	.00102	.000445	
315	4.0	.5	1.1	.97540	586.1	.00097	.000423	.00087	.000379	
316	4.0	.0	.6	.98322	589.8	.00072	.000314			
317	5.0	1.5	1.1	.97707	587.5	.00097	.000423			
318	5.0	1.0	1.6	.97204	586.5	.00114	.000497	.00100	.000436	
319	5.0	.5	1.1	.97819	587.5	.00088	.000384			
321	6.0	1.5	1.1	.97819	590.1	.00088	.000384	.00088	.000384	
323	6.0	.5	1.1	.98099	591.8	.00088	.000384	.00091	.000397	
324	6.0	.0	.6	.98490	590.8	.00079	.000344			
325	8.0	1.5	1.1	.97987	588.8	.00090	.000392	.00097	.000423	
326	8.0	1.0	1.6	.97596	586.8	.00118	.000514	.00105	.000458	
327	8.0	.5	1.1	.98155	590.5	.00087	.000379	.00090	.000392	
328	8.0	.0	.6	.98322	589.1	.00065	.000283	.00066	.000288	
329	10.0	1.5	1.1	.97987	588.5	.00087	.000379	.00088	.000384	
330	10.0	1.0	1.6	.97819	588.5	.00097	.000423	.00096	.000418	
331	10.0	.5	1.1	.98266	590.8	.00085	.000370	.00086	.000375	
332	10.0	.0	.6	.98434	589.8	.00067	.000292	.00072	.000314	
333	12.0	1.5	1.1	.97931	589.8	.00084	.000366	.00091	.000397	
334	12.0	1.0	1.6	.97596	587.8	.00102	.000445	.00097	.000423	
335	12.0	.5	1.1	.97875	587.1	.00079	.000344	.00076	.000331	
336	12.0	.0	.6	.98099	587.8	.00063	.000275	.00063	.000275	
337	14.0	1.5	1.1	.97987	587.8	.00080	.000349	.00080	.000349	
339	14.0	.5	1.1	.98043	588.1	.00080	.000349	.00081	.000353	
340	14.0	.0	.6	.97763	585.5	.00063	.000275			
341	18.0	1.5	1.1	.97596	587.1	.00089	.000388	.00096	.000418	
342	18.0	1.0	1.6	.97484	586.5	.00088	.000384			
343	18.0	.5	1.1	.97763	586.1	.00078	.000340	.00097	.000423	
344	18.0	.0	.6	.97260	582.5	.00058	.000253			
345	22.0	1.5	1.1	.98043	588.1	.00074	.000323	.00068	.000296	
346	22.0	1.0	1.6	.97819	589.1	.00084	.000366	.00086	.000375	
347	22.0	.5	1.1	.97931	586.8	.00063	.000275	.00049	.000214	
348	22.0	.0	.6	.98602	590.1	.00056	.000244			
349	26.0	1.5	1.1	.98099	588.2	.00072	.000314			
350	26.0	1.0	1.6	.97707	587.5	.00090	.000392	.00090	.000392	
351	26.0	.5	1.1	.98155	588.2	.00063	.000275			
354	30.0	1.0	1.6	.97763	587.1	.00085	.000370			
355	30.0	.5	1.1	.98434	589.8	.00063	.000275	.00073	.000318	
356	30.0	.0	.6	.98490	589.5	.00058	.000253			
357	4.0	-6.0	.6	.98155	589.5	.00085	.000370			
358	8.0	-6.0	.6	.98378	590.1	.00068	.000296	.00068	.000296	
359	12.0	-6.0	.6	.98266	589.1	.00065	.000283	.00065	.000283	
360	16.0	-6.0	.6	.98322	589.5	.00065	.000283			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

9. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 0^{o}$ - Continued

(d) $M = 3.51$; $R = 3.92 \times 10^{6}$; $T_t = 716^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95362	576.5	.00178	.000348			1.02
2	2.0	.0		.95865	579.5	.00178	.000348			1.03
3	2.0	12.0		.95641	579.1	.00195	.000381			.99
4	8.0	.0		.95083	575.1	.00178	.000348			1.01
5	9.0	.0		.95138	576.8	.00174	.000340	.00170	.000332	.91
6	10.0	.0		.95585	579.1	.00177	.000346	.00165	.000323	.93
7	11.0	.0		.96144	584.5	.00247	.000483	.00252	.000493	1.29
8	11.5	.0		.96256	584.8	.00218	.000426			1.15
42	50.0	-8.0		.98547	588.5	.00046	.000090			.26
43	50.0	-5.0		.98826	589.5	.00027	.000053			.14
45	50.0	6.0		.98770	588.8	.00030	.000059			.15
46	58.0	.0		.93798	565.1	.00146	.000285			.79
47	58.0	6.0		.93853	567.8	.00178	.000348			.89
48	58.0	12.0		.94691	572.5	.00180	.000352			.79
301	1.0	1.5	1.1	.94859	573.8	.00162	.000317	.00137	.000268	
302	1.0	1.0	1.6	.93742	569.8	.00216	.000422	.00234	.000458	
303	1.0	.5	1.1	.94859	574.5	.00174	.000340	.00153	.000299	
304	1.0	.0	.6	.96703	584.5	.00120	.000235			
305	2.0	1.5	1.1	.95418	577.1	.00195	.000381	.00206	.000403	
306	2.0	1.0	1.6	.94021	571.8	.00212	.000415	.00162	.000317	
307	2.0	.5	1.1	.95362	575.8	.00178	.000348	.00176	.000344	
308	2.0	.0	.6	.96591	581.8	.00142	.000278	.00170	.000332	
309	3.0	1.5	1.1	.95809	581.1	.00174	.000340	.00179	.000350	
310	3.0	1.0	1.6	.94915	575.8	.00186	.000364	.00157	.000307	
311	3.0	.5	1.1	.95865	580.1	.00161	.000315	.00160	.000313	
312	3.0	.0	.6	.96982	584.8	.00157	.000307	.00195	.000381	
313	4.0	1.5	1.1	.95865	582.5	.00164	.000321	.00154	.000301	
314	4.0	1.0	1.6	.95027	577.5	.00199	.000389	.00176	.000344	
315	4.0	.5	1.1	.95921	580.8	.00162	.000317	.00154	.000301	
316	4.0	.0	.6	.97206	585.5	.00126	.000246			
317	5.0	1.5	1.1	.96200	581.5	.00172	.000336			
318	5.0	1.0	1.6	.95250	578.1	.00183	.000358	.00169	.000330	
319	5.0	.5	1.1	.96200	579.8	.00158	.000309			
321	6.0	1.5	1.1	.96312	583.1	.00161	.000315	.00161	.000315	
323	6.0	.5	1.1	.96535	583.8	.00149	.000291	.00152	.000297	
324	6.0	.0	.6	.97541	587.5	.00140	.000274			
325	8.0	1.5	1.1	.96535	583.1	.00176	.000344	.00177	.000346	
326	8.0	1.0	1.6	.95865	579.1	.00177	.000346	.00154	.000301	
327	8.0	.5	1.1	.96759	582.8	.00141	.000276	.00140	.000274	
328	8.0	.0	.6	.97541	587.8	.00125	.000244	.00150	.000293	
329	10.0	1.5	1.1	.96591	586.8	.00138	.000270	.00134	.000262	
330	10.0	1.0	1.6	.96144	581.1	.00177	.000346	.00162	.000317	
331	10.0	.5	1.1	.97038	585.5	.00126	.000246	.00132	.000258	
332	10.0	.0	.6	.97541	587.5	.00114	.000223	.00132	.000258	
333	12.0	1.5	1.1	.96535	585.5	.00146	.000285	.00148	.000289	
334	12.0	1.0	1.6	.95977	579.8	.00177	.000346	.00161	.000315	
335	12.0	.5	1.1	.96759	584.5	.00118	.000231	.00115	.000225	
336	12.0	.0	.6	.97318	585.1	.00124	.000242	.00142	.000278	
337	14.0	1.5	1.1	.96703	584.1	.00137	.000268	.00137	.000268	
339	14.0	.5	1.1	.96871	583.5	.00141	.000276	.00142	.000278	
340	14.0	.0	.6	.97038	584.8	.00094	.000184	.00092	.000180	
341	18.0	1.5	1.1	.96479	581.5	.00142	.000278	.00152	.000297	
342	18.0	1.0	1.6	.96144	579.8	.00137	.000268			
343	18.0	.5	1.1	.96759	583.1	.00126	.000246	.00141	.000276	
344	18.0	.0	.6	.96535	579.8	.00095	.000186	.00081	.000158	
345	22.0	1.5	1.1	.96982	583.8	.00141	.000276	.00142	.000278	
346	22.0	1.0	1.6	.96368	581.1	.00158	.000309	.00147	.000287	
347	22.0	.5	1.1	.96926	582.1	.00109	.000213	.00102	.000199	
348	22.0	.0	.6	.97653	586.8	.00085	.000166			
349	26.0	1.5	1.1	.97094	584.2	.00125	.000244			
350	26.0	1.0	1.6	.96368	580.8	.00142	.000278	.00142	.000278	
351	26.0	.5	1.1	.97150	583.5	.00095	.000186			
354	30.0	1.0	1.6	.96535	581.8	.00157	.000307			
355	30.0	.5	1.1	.97485	585.5	.00094	.000184	.00114	.000223	
356	30.0	.0	.6	.97876	586.8	.00083	.000162			
357	4.0	-6.0	.6	.97038	585.1	.00157	.000307			
358	8.0	-6.0	.6	.97429	589.5	.00108	.000211	.00108	.000211	
359	12.0	-6.0	.6	.97262	584.8	.00124	.000242	.00124	.000242	
360	16.0	-6.0	.6	.97541	586.1	.00109	.000213			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

9. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 0^{o}$ - Continued

(e) $M = 3.51$; $R = 2.78 \times 10^{6}$; $T_t = 711^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95823	571.8	.00125	.000349			.96
2	2.0	.0		.96274	574.8	.00127	.000354			1.02
3	2.0	12.0		.96105	574.1	.00143	.000399			1.04
4	8.0	.0		.95484	569.8	.00127	.000354			.98
5	9.0	.0		.95597	570.5	.00143	.000399	.00140	.000390	1.07
6	10.0	.0		.96049	573.1	.00125	.000349	.00119	.000332	.93
7	11.0	.0		.96444	578.8	.00181	.000505	.00198	.000552	1.36
8	11.5	.0		.96557	579.8	.00176	.000491			1.28
42	50.0	-8.0		.98419	581.8	.00035	.000098			.26
43	50.0	-5.0		.98588	582.5	.00024	.000067			.18
45	50.0	6.0		.98532	582.1	.00025	.000070			.16
46	58.0	.0		.94242	560.8	.00112	.000312			.82
47	58.0	6.0		.94355	563.5	.00145	.000404			.94
48	58.0	12.0		.95089	567.5	.00125	.000349			.84
301	1.0	1.5	1.1	.94807	565.8	.00118	.000329	.00095	.000265	
302	1.0	1.0	1.6	.93847	564.1	.00167	.000466	.00152	.000424	
303	1.0	.5	1.1	.94750	565.1	.00122	.000340	.00110	.000307	
304	1.0	.0	.6	.96387	576.1	.00089	.000248			
305	2.0	1.5	1.1	.95315	570.5	.00129	.000360	.00137	.000382	
306	2.0	1.0	1.6	.94186	565.1	.00154	.000429	.00115	.000321	
307	2.0	.5	1.1	.95258	568.1	.00128	.000357	.00127	.000354	
308	2.0	.0	.6	.96274	573.1	.00091	.000254	.00112	.000312	
309	3.0	1.5	1.1	.95823	573.5	.00128	.000357	.00134	.000374	
310	3.0	1.0	1.6	.95033	567.8	.00145	.000404	.00126	.000351	
311	3.0	.5	1.1	.95766	571.5	.00143	.000399	.00143	.000399	
312	3.0	.0	.6	.96726	577.5	.00115	.000321	.00149	.000415	
313	4.0	1.5	1.1	.95936	572.5	.00121	.000337	.00113	.000315	
314	4.0	1.0	1.6	.95258	570.8	.00152	.000424	.00134	.000374	
315	4.0	.5	1.1	.95879	573.1	.00117	.000326	.00109	.000304	
316	4.0	.0	.6	.96952	577.1	.00109	.000304			
317	5.0	1.5	1.1	.96218	574.5	.00120	.000335			
318	5.0	1.0	1.6	.95428	570.1	.00144	.000402	.00124	.000346	
319	5.0	.5	1.1	.96105	572.8	.00111	.000310			
321	6.0	1.5	1.1	.96274	576.8	.00120	.000335	.00119	.000332	
323	6.0	.5	1.1	.96500	576.1	.00116	.000323	.00118	.000329	
324	6.0	.0	.6	.97347	579.5	.00093	.000259			
325	8.0	1.5	1.1	.96500	575.8	.00118	.000329	.00118	.000329	
326	8.0	1.0	1.6	.95992	574.1	.00128	.000357	.00112	.000312	
327	8.0	.5	1.1	.96669	575.5	.00110	.000307	.00107	.000298	
328	8.0	.0	.6	.97347	578.8	.00086	.000240	.00105	.000293	
329	10.0	1.5	1.1	.96557	577.1	.00116	.000323	.00111	.000310	
330	10.0	1.0	1.6	.96274	574.8	.00143	.000399	.00134	.000374	
331	10.0	.5	1.1	.96895	576.8	.00109	.000304	.00111	.000310	
332	10.0	.0	.6	.97347	580.1	.00081	.000226	.00093	.000259	
333	12.0	1.5	1.1	.96557	576.8	.00116	.000323	.00118	.000329	
334	12.0	1.0	1.6	.96049	574.5	.00128	.000357	.00116	.000323	
335	12.0	.5	1.1	.96557	575.5	.00094	.000262	.00089	.000248	
336	12.0	.0	.6	.97065	578.8	.00085	.000237	.00099	.000276	
337	14.0	1.5	1.1	.96726	576.8	.00104	.000290	.00104	.000290	
339	14.0	.5	1.1	.96726	575.8	.00109	.000304	.00109	.000304	
340	14.0	.0	.6	.96839	575.1	.00074	.000206	.00068	.000190	
341	18.0	1.5	1.1	.96557	575.1	.00110	.000307	.00122	.000340	
342	18.0	1.0	1.6	.96218	573.5	.00105	.000293			
343	18.0	.5	1.1	.96613	574.8	.00087	.000243	.00098	.000273	
344	18.0	.0	.6	.96387	572.5	.00069	.000192	.00051	.000142	
345	22.0	1.5	1.1	.97008	577.1	.00090	.000251	.00093	.000259	
346	22.0	1.0	1.6	.96444	574.8	.00110	.000307	.00103	.000287	
347	22.0	.5	1.1	.96782	575.1	.00080	.000223	.00070	.000195	
348	22.0	.0	.6	.97516	578.5	.00060	.000167			
349	26.0	1.5	1.1	.97065	577.5	.00087	.000243			
350	26.0	1.0	1.6	.96444	574.5	.00110	.000307	.00110	.000307	
351	26.0	.5	1.1	.97008	576.2	.00069	.000192			
354	30.0	1.0	1.6	.96557	575.1	.00110	.000307			
355	30.0	.5	1.1	.97347	578.1	.00074	.000206	.00079	.000220	
356	30.0	.0	.6	.97629	579.1	.00059	.000165			
357	4.0	-6.0	.6	.96839	578.8	.00103	.000287			
358	8.0	-6.0	.6	.97234	578.5	.00109	.000304	.00109	.000304	
359	12.0	-6.0	.6	.97121	577.1	.00078	.000217	.00078	.000217	
360	16.0	-6.0	.6	.97347	578.5	.00082	.000229			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

9. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 0^{o}$ - Continued

(f) M = 3.51; R = 1.61×10^{6}; $T_t = 707^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95979	569.5	.00076	.000367			.86
2	2.0	.0		.96488	572.5	.00073	.000353			.84
3	2.0	12.0		.96318	571.8	.00088	.000425			1.01
4	8.0	.0		.95752	567.8	.00082	.000396			1.05
5	9.0	.0		.95979	568.8	.00079	.000382	.00075	.000363	.90
6	10.0	.0		.96432	572.1	.00090	.000435	.00088	.000425	1.02
7	11.0	.0		.96602	575.8	.00120	.000580	.00134	.000648	1.58
8	11.5	.0		.96602	576.1	.00116	.000561			1.43
42	50.0	-8.0		.98414	579.5	.00020	.000097			.23
46	58.0	.0		.94563	559.8	.00067	.000324			.85
47	58.0	6.0		.94903	563.1	.00083	.000401			.95
48	58.0	12.0		.95356	565.8	.00083	.000401			.90
301	1.0	1.5	1.1	.95016	562.8	.00065	.000314	.00047	.000227	
302	1.0	1.0	1.6	.94280	560.8	.00091	.000440	.00079	.000382	
303	1.0	.5	1.1	.95016	562.8	.00067	.000324	.00050	.000242	
304	1.0	.0	.6	.94488	570.1	.00039	.000189			
305	2.0	1.5	1.1	.95582	566.5	.00076	.000367	.00080	.000387	
306	2.0	1.0	1.6	.94676	562.5	.00090	.000435			
307	2.0	.5	1.1	.95469	565.8	.00073	.000353	.00072	.000348	
308	2.0	.0	.6	.96262	569.5	.00044	.000213	.00058	.000280	
309	3.0	1.5	1.1	.96035	569.8	.00071	.000343	.00076	.000367	
310	3.0	1.0	1.6	.95525	566.5	.00081	.000392	.00068	.000329	
311	3.0	.5	1.1	.95979	568.8	.00062	.000300	.00060	.000290	
312	3.0	.0	.6	.96715	572.5	.00053	.000256			
313	4.0	1.5	1.1	.96148	570.5	.00077	.000372	.00071	.000343	
314	4.0	1.0	1.6	.95695	568.1	.00083	.000401	.00073	.000353	
315	4.0	.5	1.1	.96148	569.8	.00063	.000305	.00055	.000266	
316	4.0	.0	.6	.96998	573.8	.00055	.000266			
317	5.0	1.5	1.1	.96488	572.2	.00065	.000314			
318	5.0	1.0	1.6	.95922	569.1	.00081	.000392	.00066	.000319	
319	5.0	.5	1.1	.96432	570.8	.00062	.000300			
321	6.0	1.5	1.1	.96602	572.5	.00064	.000309	.00064	.000309	
323	6.0	.5	1.1	.96771	573.1	.00065	.000314	.00068	.000329	
324	6.0	.0	.6	.97451	576.5	.00043	.000208			
325	8.0	1.5	1.1	.96828	573.8	.00064	.000309	.00063	.000305	
326	8.0	1.0	1.6	.96545	572.1	.00066	.000319	.00057	.000276	
327	8.0	.5	1.1	.96941	573.5	.00053	.000256	.00050	.000242	
328	8.0	.0	.6	.97451	576.1	.00043	.000208	.00058	.000280	
329	10.0	1.5	1.1	.96885	574.1	.00062	.000300	.00058	.000280	
330	10.0	1.0	1.6	.96771	574.1	.00071	.000343	.00070	.000338	
331	10.0	.5	1.1	.97168	574.8	.00056	.000271	.00057	.000276	
332	10.0	.0	.6	.97394	575.5	.00049	.000237	.00057	.000276	
333	12.0	1.5	1.1	.96885	574.1	.00072	.000348	.00088	.000425	
334	12.0	1.0	1.6	.96545	572.5	.00069	.000334	.00064	.000309	
335	12.0	.5	1.1	.96715	572.1	.00046	.000222			
336	12.0	.0	.6	.96998	573.5	.00051	.000247	.00052	.000251	
337	14.0	1.5	1.1	.97055	574.5	.00059	.000285	.00059	.000285	
339	14.0	.5	1.1	.96828	573.1	.00046	.000222	.00046	.000222	
340	14.0	.0	.6	.96715	571.5	.00039	.000189			
341	18.0	1.5	1.1	.96998	574.1	.00057	.000276	.00072	.000348	
342	18.0	1.0	1.6	.96771	573.1	.00059	.000285			
343	18.0	.5	1.1	.96885	573.1	.00055	.000266	.00064	.000309	
344	18.0	.0	.6	.96545	570.1	.00044	.000213			
345	22.0	1.5	1.1	.97394	576.5	.00055	.000266	.00061	.000295	
346	22.0	1.0	1.6	.96998	574.5	.00060	.000290	.00057	.000276	
347	22.0	.5	1.1	.97111	573.8	.00039	.000189			
348	22.0	.0	.6	.97678	576.5	.00032	.000155			
349	26.0	1.5	1.1	.97508	576.8	.00054	.000261			
350	26.0	1.0	1.6	.96998	574.5	.00057	.000276	.00057	.000276	
351	26.0	.5	1.1	.97394	575.2	.00039	.000189			
354	30.0	1.0	1.6	.97055	574.8	.00059	.000285			
355	30.0	.5	1.1	.97678	577.1	.00047	.000227	.00055	.000266	
356	30.0	.0	.6	.97791	577.1	.00032	.000155			
357	4.0	-6.0	.6	.96885	573.5	.00059	.000285			
358	8.0	-6.0	.6	.97224	575.1	.00050	.000242	.00050	.000242	
359	12.0	-6.0	.6	.97224	574.8	.00039	.000189			
360	16.0	-6.0	.6	.97451	575.8	.00049	.000237			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

9. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 0^{o}$ - Continued

(g) $M = 4.44$; $R = 4.41 \times 10^{6}$; $T_t = 693^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St, c}$	$\frac{h}{h_o}$
3	2.0	12.0		.93446	571.1	.00123	.000314			.92
8	11.5	.0		.94657	579.5	.00136	.000348			1.28
42	50.0	-8.0		.97081	586.8	.00023	.000059			.30
45	50.0	6.0		.97246	587.8	.00022	.000056			.20
46	58.0	.0		.92565	561.8	.00070	.000179			.65
47	58.0	6.0		.92950	566.8	.00109	.000279			.89
48	58.0	12.0		.92950	566.8	.00132	.000337			.88
301	1.0	1.5	1.1	.92565	562.1	.00114	.000291			
302	1.0	1.0	1.6	.91573	560.5	.00151	.000386			
303	1.0	.5	1.1	.92620	563.1	.00115	.000294			
304	1.0	.0	.6	.94162	572.1	.00068	.000174			
305	2.0	1.5	1.1	.93170	566.1	.00096	.000245	.00092	.000235	
306	2.0	1.0	1.6	.92014	560.5	.00151	.000386			
307	2.0	.5	1.1	.93225	566.1	.00093	.000238	.00089	.000228	
308	2.0	.0	.6	.94272	572.5	.00077	.000197			
309	3.0	1.5	1.1	.93996	571.5	.00122	.000312	.00138	.000353	
310	3.0	1.0	1.6	.93060	565.1	.00120	.000307			
311	3.0	.5	1.1	.93941	571.5	.00095	.000243	.00092	.000235	
312	3.0	.0	.6	.94878	576.5	.00070	.000179			
313	4.0	1.5	1.1	.94327	575.1	.00108	.000276	.00098	.000251	
314	4.0	1.0	1.6	.93666	570.8	.00121	.000309	.00101	.000258	
315	4.0	.5	1.1	.94492	574.8	.00112	.000286	.00114	.000291	
316	4.0	.0	.6	.95428	579.1	.00086	.000220			
317	5.0	1.5	1.1	.94767	576.2	.00112	.000286			
318	5.0	1.0	1.6	.93996	571.8	.00120	.000307			
319	5.0	.5	1.1	.94657	574.8	.00093	.000238			
321	6.0	1.5	1.1	.95043	578.5	.00094	.000240	.00095	.000243	
323	6.0	.5	1.1	.95098	577.5	.00093	.000238	.00096	.000245	
324	6.0	.0	.6	.95979	582.1	.00080	.000205			
325	8.0	1.5	1.1	.95153	580.1	.00094	.000240	.00085	.000217	
326	8.0	1.0	1.6	.94712	575.8	.00107	.000274	.00080	.000205	
327	8.0	.5	1.1	.95428	578.8	.00089	.000228	.00085	.000217	
328	8.0	.0	.6	.96144	583.5	.00066	.000169			
329	10.0	1.5	1.1	.95373	580.1	.00111	.000284	.00103	.000263	
330	10.0	1.0	1.6	.95153	580.5	.00104	.000266	.00093	.000238	
331	10.0	.5	1.1	.95649	580.8	.00082	.000210	.00082	.000210	
332	10.0	.0	.6	.95979	582.1	.00062	.000159	.00083	.000212	
333	12.0	1.5	1.1	.95373	580.5	.00094	.000240	.00102	.000261	
334	12.0	1.0	1.6	.94933	577.8	.00112	.000286	.00096	.000245	
335	12.0	.5	1.1	.95318	578.1	.00068	.000174	.00063	.000161	
336	12.0	.0	.6	.95594	579.8	.00061	.000156	.00069	.000176	
337	14.0	1.5	1.1	.95539	579.8	.00090	.000230	.00090	.000230	
339	14.0	.5	1.1	.95428	579.1	.00069	.000176	.00069	.000176	
340	14.0	.0	.6	.95263	577.5	.00054	.000138			
341	18.0	1.5	1.1	.95373	578.8	.00088	.000225	.00093	.000238	
342	18.0	1.0	1.6	.95428	579.8	.00111	.000284			
343	18.0	.5	1.1	.95594	579.5	.00066	.000169	.00077	.000197	
344	18.0	.0	.6	.95208	576.8	.00052	.000133			
345	22.0	1.5	1.1	.95704	580.5	.00068	.000174	.00070	.000179	
346	22.0	1.0	1.6	.95263	578.5	.00081	.000207	.00067	.000171	
347	22.0	.5	1.1	.95594	579.1	.00054	.000138	.00045	.000115	
348	22.0	.0	.6	.94089	582.1	.00056	.000143			
349	26.0	1.5	1.1	.95869	581.2	.00065	.000166			
350	26.0	1.0	1.6	.95483	579.8	.00076	.000194	.00076	.000194	
351	26.0	.5	1.1	.95759	580.2	.00056	.000143			
354	30.0	1.0	1.6	.95428	579.1	.00086	.000220			
355	30.0	.5	1.1	.96089	582.1	.00048	.000123	.00059	.000151	
356	30.0	.0	.6	.96254	582.8	.00046	.000118			
357	4.0	-6.0	.6	.95263	578.1	.00071	.000182			
358	8.0	-6.0	.6	.95759	580.8	.00062	.000159	.00063	.000161	
359	12.0	-6.0	.6	.95759	580.5	.00057	.000146	.00057	.000146	
360	16.0	-6.0	.6	.95979	581.8	.00057	.000146			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

9. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 0^{o}$ - Continued

(h) M = 4.44; R = 3.17×10^{6}; $T_t = 688^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.93752	567.1	.00062	.000223			1.02
2	2.0	.0		.94139	570.5	.00077	.000277			1.01
3	2.0	12.0		.93752	569.1	.00105	.000377			1.25
4	8.0	.0		.93807	567.8	.00075	.000269			1.00
6	10.0	.0		.94360	571.1	.00060	.000216	.00055	.000198	.85
7	11.0	.0		.94968	576.1	.00129	.000463	.00140	.000503	1.82
8	11.5	.0		.95079	577.5	.00129	.000463			1.77
46	58.0	.0		.92867	561.1	.00059	.000212			.69
47	58.0	6.0		.93199	564.5	.00073	.000262			.74
48	58.0	12.0		.93420	568.5	.00102	.000366			.94
301	1.0	1.5	1.1	.92978	562.5	.00084	.000302			
302	1.0	1.0	1.6	.92093	558.8	.00103	.000370			
303	1.0	.5	1.1	.93033	563.1	.00068	.000244	.00051	.000183	
304	1.0	.0	.6	.94416	570.5	.00048	.000172			
305	2.0	1.5	1.1	.93531	565.8	.00076	.000273	.00071	.000255	
306	2.0	1.0	1.6	.92591	561.5	.00091	.000327			
307	2.0	.5	1.1	.93586	565.8	.00063	.000226	.00055	.000198	
308	2.0	.0	.6	.94471	570.5	.00043	.000154			
309	3.0	1.5	1.1	.94360	571.1	.00067	.000241	.00081	.000291	
310	3.0	1.0	1.6	.93586	566.1	.00063	.000226			
311	3.0	.5	1.1	.94305	570.1	.00061	.000219	.00057	.000205	
312	3.0	.0	.6	.95079	574.5	.00049	.000176			
313	4.0	1.5	1.1	.94747	573.8	.00067	.000241	.00062	.000223	
314	4.0	1.0	1.6	.94250	570.8	.00073	.000262	.00050	.000180	
315	4.0	.5	1.1	.94913	574.1	.00066	.000237	.00072	.000259	
316	4.0	.0	.6	.95632	577.8	.00049	.000176			
317	5.0	1.5	1.1	.95190	576.2	.00066	.000237			
318	5.0	1.0	1.6	.94581	572.8	.00069	.000248	.00042	.000151	
319	5.0	.5	1.1	.95134	575.2	.00061	.000219			
321	6.0	1.5	1.1	.95466	577.5	.00063	.000226	.00064	.000230	
323	6.0	.5	1.1	.95577	578.1	.00074	.000266	.00070	.000251	
325	8.0	1.5	1.1	.95577	578.5	.00063	.000226	.00052	.000187	
326	8.0	1.0	1.6	.95300	576.8	.00066	.000237	.00048	.000172	
327	8.0	.5	1.1	.95853	579.1	.00060	.000216	.00056	.000201	
328	8.0	.0	.6	.96406	582.1	.00045	.000162			
329	10.0	1.5	1.1	.95798	579.5	.00060	.000216	.00053	.000190	
330	10.0	1.0	1.6	.95742	580.1	.00074	.000266	.00072	.000259	
331	10.0	.5	1.1	.96074	580.1	.00048	.000172	.00050	.000180	
332	10.0	.0	.6	.96240	581.1	.00041	.000147	.00054	.000194	
333	12.0	1.5	1.1	.95742	579.1	.00054	.000194	.00068	.000244	
334	12.0	1.0	1.6	.95411	577.5	.00066	.000237	.00057	.000205	
335	12.0	.5	1.1	.95632	577.5	.00054	.000194	.00050	.000180	
336	12.0	.0	.6	.95687	578.1	.00043	.000154			
337	14.0	1.5	1.1	.95908	579.8	.00060	.000216	.00060	.000216	
339	14.0	.5	1.1	.95742	578.5	.00049	.000176	.00049	.000176	
340	14.0	.0	.6	.95355	575.8	.00047	.000169			
341	18.0	1.5	1.1	.95742	579.1	.00060	.000216	.00068	.000244	
342	18.0	1.0	1.6	.95964	580.8	.00057	.000205			
343	18.0	.5	1.1	.95908	579.1	.00049	.000176	.00058	.000208	
345	22.0	1.5	1.1	.96129	580.8	.00049	.000176	.00054	.000194	
346	22.0	1.0	1.6	.95742	579.1	.00074	.000266	.00062	.000223	
349	26.0	1.5	1.1	.96295	581.5	.00048	.000172			
350	26.0	1.0	1.6	.96019	580.5	.00049	.000176	.00049	.000176	
354	30.0	1.0	1.6	.95964	579.8	.00049	.000176			
356	30.0	.0	.6	.96572	582.5	.00038	.000136			
357	4.0	-6.0	.6	.95466	576.8	.00060	.000216			
358	8.0	-6.0	.6	.95964	579.5	.00073	.000262	.00074	.000266	
360	16.0	-6.0	.6	.96240	580.8	.00043	.000154			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

9. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 0^{o}$ - Concluded

(i) $M = 4.44$; $R = 2.11 \times 10^{6}$; $T_t = 686^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St, c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94172	567.1	.00053	.000286			.98
2	2.0	.0		.94671	570.8	.00064	.000345			.78
3	2.0	12.0		.94172	568.8	.00064	.000345			.93
4	8.0	.0		.94338	567.8	.00047	.000254			.89
7	11.0	.0		.95448	578.5	.00093	.000502	.00108	.000583	1.75
8	11.5	.0		.95504	577.1	.00109	.000588			1.65
46	58.0	.0		.93228	561.1	.00044	.000237			.83
47	58.0	6.0		.93561	563.5	.00054	.000291			.95
48	58.0	12.0		.94116	567.8	.00072	.000389			.89
302	1.0	1.0	1.6	.92840	559.8	.00059	.000318			
303	1.0	.5	1.1	.93672	563.5	.00053	.000286	.00047	.000254	
304	1.0	.0	.6	.94838	570.1	.00044	.000237			
305	2.0	1.5	1.1	.94005	565.8	.00048	.000259			
306	2.0	1.0	1.6	.93284	562.1	.00051	.000275			
307	2.0	.5	1.1	.94061	565.8	.00048	.000259			
309	3.0	1.5	1.1	.94782	570.8	.00042	.000227	.00055	.000297	
310	3.0	1.0	1.6	.94172	567.1	.00052	.000281			
311	3.0	.5	1.1	.94727	569.8	.00041	.000221	.00035	.000189	
312	3.0	.0	.6	.95282	573.1	.00041	.000221			
313	4.0	1.5	1.1	.95171	573.1	.00051	.000275			
314	4.0	1.0	1.6	.94838	571.5	.00079	.000426	.00059	.000318	
315	4.0	.5	1.1	.95337	573.8	.00047	.000254	.00052	.000281	
316	4.0	.0	.6	.95892	576.8	.00040	.000216			
317	5.0	1.5	1.1	.95670	575.8	.00050	.000270			
318	5.0	1.0	1.6	.95171	573.1	.00051	.000275			
319	5.0	.5	1.1	.95559	574.8	.00047	.000254			
321	6.0	1.5	1.1	.95892	577.1	.00047	.000254	.00049	.000264	
323	6.0	.5	1.1	.96003	577.5	.00048	.000259	.00052	.000281	
326	8.0	1.0	1.6	.95892	577.1	.00050	.000270			
327	8.0	.5	1.1	.96225	578.5	.00035	.000189			
328	8.0	.0	.6	.96669	580.8	.00034	.000184			
329	10.0	1.5	1.1	.96170	578.8	.00047	.000254			
330	10.0	1.0	1.6	.96281	579.5	.00049	.000264	.00056	.000302	
333	12.0	1.5	1.1	.96170	578.8	.00041	.000221	.00061	.000329	
334	12.0	1.0	1.6	.95892	577.5	.00048	.000259	.00046	.000248	
335	12.0	.5	1.1	.95892	576.8	.00040	.000216	.00037	.000200	
340	14.0	.0	.6	.95504	573.8	.00031	.000167			
342	18.0	1.0	1.6	.96447	580.5	.00045	.000243			
343	18.0	.5	1.1	.96281	578.8	.00040	.000216	.00048	.000259	
345	22.0	1.5	1.1	.96614	581.1	.00040	.000216	.00048	.000259	
348	22.0	.0	.6	.96669	581.1	.00028	.000151			
349	26.0	1.5	1.1	.96725	581.8	.00040	.000216			
350	26.0	1.0	1.6	.96558	581.1	.00044	.000237	.00044	.000237	
351	26.0	.5	1.1	.96558	580.2	.00031	.000167			
354	30.0	1.0	1.6	.96447	580.5	.00044	.000237			
355	30.0	.5	1.1	.96891	582.1	.00029	.000157	.00040	.000216	
356	30.0	.0	.6	.96891	581.8	.00028	.000151			
357	4.0	-6.0	.6	.95726	575.8	.00040	.000216			
359	12.0	-6.0	.6	.96225	578.5	.00030	.000162	.00030	.000162	
360	16.0	-6.0	.6	.96558	580.1	.00031	.000167			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

10. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 5^{o}$

(a) M = 2.65; R = 3.89×10^{6}; $T_t = 718^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95010	584.1	.00325	.000460			1.04
2	2.0	.0		.95620	587.1	.00297	.000421			1.00
3	2.0	12.0		.95287	587.8	.00300	.000425			1.01
4	8.0	.0		.94899	582.8	.00304	.000431			.99
5	9.0	.0		.95176	584.5	.00306	.000433	.00297	.000421	.92
6	10.0	.0		.95731	590.8	.00397	.000562	.00403	.000571	1.30
7	11.0	.0		.96119	593.5	.00414	.000586	.00419	.000593	1.25
8	11.5	.0		.96119	593.8	.00398	.000564			1.31
10	12.0	3.0		.96451	593.5	.00299	.000423			.90
11	12.0	5.0		.96340	597.1	.00352	.000498			1.06
24	14.0	-12.0		.95121	586.5	.00397	.000562			1.17
42	50.0	-8.0		.96396	583.8	.00133	.000188			.42
43	50.0	-5.0		.96784	587.5	.00108	.000153			.34
44	50.0	.0		.96895	583.8	.00045	.000064			.14
46	58.0	.0		.93402	572.8	.00282	.000399			.96
47	58.0	6.0		.93568	575.5	.00334	.000473			1.05
48	58.0	12.0		.93790	576.5	.00325	.000460			1.03
301	1.0	1.5	1.1	.94844	581.8	.00301	.000426	.00275	.000389	
302	1.0	1.0	1.6	.94067	583.8	.00375	.000531	.00362	.000513	
303	1.0	.5	1.1	.94899	583.5	.00323	.000457	.00308	.000436	
304	1.0	.0	.6	.96396	594.1	.00277	.000392	.00299	.000423	
305	2.0	1.5	1.1	.95176	585.1	.00322	.000456	.00326	.000462	
306	2.0	1.0	1.6	.94178	581.8	.00406	.000575	.00376	.000532	
307	2.0	.5	1.1	.95121	586.5	.00362	.000513	.00374	.000530	
308	2.0	.0	.6	.96008	588.8	.00280	.000397	.00298	.000422	
309	3.0	1.5	1.1	.95453	590.1	.00273	.000387	.00273	.000387	
310	3.0	1.0	1.6	.94622	582.8	.00362	.000513	.00341	.000483	
311	3.0	.5	1.1	.95287	592.5	.00285	.000404	.00285	.000404	
312	3.0	.0	.6	.96174	589.5	.00279	.000395	.00304	.000431	
313	4.0	1.5	1.1	.95398	585.8	.00319	.000452	.00311	.000440	
314	4.0	1.0	1.6	.94622	583.5	.00364	.000515	.00349	.000494	
315	4.0	.5	1.1	.95232	585.8	.00323	.000457	.00316	.000448	
316	4.0	.0	.6	.96451	589.8	.00241	.000341			
317	5.0	1.5	1.1	.95675	586.8	.00298	.000422			
318	5.0	1.0	1.6	.94733	583.5	.00344	.000487	.00323	.000457	
319	5.0	.5	1.1	.95398	586.2	.00320	.000453			
321	6.0	1.5	1.1	.95731	588.8	.00271	.000384	.00270	.000382	
323	6.0	.5	1.1	.95620	587.8	.00355	.000503	.00358	.000507	
324	6.0	.0	.6	.96618	591.1	.00258	.000365			
325	8.0	1.5	1.1	.95897	587.5	.00279	.000395	.00290	.000411	
326	8.0	1.0	1.6	.94954	583.5	.00322	.000456	.00299	.000423	
327	8.0	.5	1.1	.95620	590.5	.00262	.000371	.00265	.000375	
328	8.0	.0	.6	.96285	590.1	.00220	.000312	.00229	.000324	
329	10.0	1.5	1.1	.95897	589.1	.00247	.000350	.00245	.000347	
330	10.0	1.0	1.6	.95287	586.1	.00323	.000457	.00319	.000452	
331	10.0	.5	1.1	.95675	588.5	.00260	.000368	.00254	.000360	
332	10.0	.0	.6	.96396	588.5	.00222	.000314	.00234	.000331	
333	12.0	1.5	1.1	.95897	589.1	.00247	.000350	.00249	.000353	
334	12.0	1.0	1.6	.95010	586.5	.00303	.000429	.00290	.000411	
335	12.0	.5	1.1	.95453	586.8	.00260	.000368	.00243	.000344	
336	12.0	.0	.6	.96618	591.1	.00206	.000292	.00233	.000330	
337	14.0	1.5	1.1	.96008	586.5	.00241	.000341	.00241	.000341	
339	14.0	.5	1.1	.95620	586.5	.00281	.000398	.00282	.000399	
340	14.0	.0	.6	.96340	587.1	.00204	.000289	.00211	.000299	
341	18.0	1.5	1.1	.95453	583.5	.00243	.000344	.00260	.000368	
342	18.0	1.0	1.6	.94844	582.1	.00265	.000375	.00341	.000483	
343	18.0	.5	1.1	.95176	586.5	.00263	.000372	.00248	.000351	
344	18.0	.0	.6	.95121	582.8	.00185	.000262	.00156	.000221	
345	22.0	1.5	1.1	.95897	585.5	.00223	.000316	.00224	.000317	
346	22.0	1.0	1.6	.95065	583.8	.00302	.000428	.00298	.000422	
347	22.0	.5	1.1	.95232	582.5	.00245	.000347	.00227	.000321	
348	22.0	.0	.6	.96396	587.1	.00182	.000258			
349	26.0	1.5	1.1	.95952	585.5	.00191	.000270			
350	26.0	1.0	1.6	.95010	583.5	.00303	.000429	.00303	.000429	
351	26.0	.5	1.1	.95453	583.5	.00243	.000344			
354	30.0	1.0	1.6	.95121	584.5	.00321	.000455			
355	30.0	.5	1.1	.95786	585.5	.00243	.000344	.00243	.000344	
356	30.0	.0	.6	.96396	586.8	.00186	.000263			
357	4.0	-6.0	.6	.96230	589.8	.00262	.000371			
358	8.0	-6.0	.6	.96340	589.1	.00242	.000343	.00242	.000343	
359	12.0	-6.0	.6	.96230	588.5	.00242	.000343	.00242	.000343	
360	16.0	-6.0	.6	.96340	589.1	.00242	.000343			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

10. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 5^{o}$ - Continued

(b) M = 2.65; R = 2.53×10^{6}; $T_t = 715^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95802	580.5	.00243	.000531			1.00
2	2.0	.0		.96418	583.1	.00221	.000483			.99
3	2.0	12.0		.96138	581.5	.00222	.000485			1.11
4	8.0	.0		.95634	578.8	.00226	.000494			1.01
5	9.0	.0		.96026	580.8	.00218	.000476	.00217	.000474	.97
6	10.0	.0		.96418	590.8	.00269	.000588	.00277	.000605	1.20
7	11.0	.0		.96753	590.5	.00292	.000638	.00298	.000651	1.33
8	11.5	.0		.96697	587.8	.00258	.000564			1.16
10	12.0	3.0		.97033	587.8	.00207	.000452			.92
11	12.0	5.0		.97033	591.1	.00255	.000557			1.24
24	14.0	-12.0		.95634	580.5	.00269	.000588			1.11
42	50.0	-8.0		.97033	580.8	.00085	.000186			.36
43	50.0	-5.0		.97313	582.1	.00072	.000157			.31
44	50.0	.0		.97649	582.1	.00035	.000076			.16
46	58.0	.0		.94347	569.8	.00208	.000454			.91
47	58.0	6.0		.94683	573.1	.00233	.000509			1.06
48	58.0	12.0		.94571	572.1	.00224	.000489			.97
301	1.0	1.5	1.1	.95522	577.1	.00206	.000450	.00181	.000395	
302	1.0	1.0	1.6	.94850	576.5	.00263	.000575	.00272	.000594	
303	1.0	.5	1.1	.95634	578.5	.00223	.000487	.00205	.000448	
304	1.0	.0	.6	.97425	588.8	.00181	.000395	.00220	.000481	
305	2.0	1.5	1.1	.95970	581.1	.00224	.000489	.00228	.000498	
306	2.0	1.0	1.6	.95130	579.8	.00261	.000570	.00232	.000507	
307	2.0	.5	1.1	.95970	582.1	.00244	.000533	.00257	.000562	
308	2.0	.0	.6	.96697	584.5	.00204	.000446	.00219	.000478	
309	3.0	1.5	1.1	.96306	584.1	.00207	.000452	.00209	.000457	
310	3.0	1.0	1.6	.95522	583.1	.00231	.000505	.00211	.000461	
311	3.0	.5	1.1	.96138	582.1	.00223	.000487	.00221	.000483	
312	3.0	.0	.6	.96977	585.5	.00185	.000404	.00207	.000452	
313	4.0	1.5	1.1	.96306	585.5	.00191	.000417	.00182	.000398	
314	4.0	1.0	1.6	.95634	582.5	.00232	.000507	.00235	.000513	
315	4.0	.5	1.1	.96138	582.1	.00223	.000487	.00215	.000470	
316	4.0	.0	.6	.97201	586.1	.00157	.000343			
317	5.0	1.5	1.1	.96585	583.5	.00203	.000444			
318	5.0	1.0	1.6	.95746	580.5	.00243	.000531	.00227	.000496	
319	5.0	.5	1.1	.96306	582.5	.00207	.000452			
321	6.0	1.5	1.1	.96641	583.5	.00186	.000406	.00186	.000406	
323	6.0	.5	1.1	.96474	585.8	.00207	.000452	.00210	.000459	
324	6.0	.0	.6	.97425	589.1	.00166	.000363			
325	8.0	1.5	1.1	.96753	585.8	.00181	.000395	.00191	.000417	
326	8.0	1.0	1.6	.95970	582.5	.00208	.000454	.00187	.000409	
327	8.0	.5	1.1	.96530	583.1	.00203	.000444	.00204	.000446	
328	8.0	.0	.6	.97145	586.5	.00156	.000341	.00164	.000358	
329	10.0	1.5	1.1	.96809	585.5	.00169	.000369	.00166	.000363	
330	10.0	1.0	1.6	.96362	583.5	.00223	.000487	.00222	.000485	
331	10.0	.5	1.1	.96585	584.8	.00181	.000395	.00173	.000378	
332	10.0	.0	.6	.97257	585.5	.00149	.000326	.00161	.000352	
333	12.0	1.5	1.1	.96753	583.8	.00161	.000352	.00160	.000350	
334	12.0	1.0	1.6	.96026	583.1	.00208	.000454	.00198	.000433	
335	12.0	.5	1.1	.96362	581.8	.00187	.000409	.00172	.000376	
336	12.0	.0	.6	.97481	586.5	.00148	.000323	.00173	.000378	
337	14.0	1.5	1.1	.96865	583.5	.00166	.000363	.00166	.000363	
339	14.0	.5	1.1	.96530	586.1	.00172	.000376	.00173	.000378	
340	14.0	.0	.6	.97145	584.1	.00125	.000273	.00130	.000284	
341	18.0	1.5	1.1	.96362	582.1	.00158	.000345	.00175	.000382	
342	18.0	1.0	1.6	.95858	579.5	.00183	.000400	.00249	.000544	
343	18.0	.5	1.1	.96138	581.5	.00170	.000371	.00183	.000400	
344	18.0	.0	.6	.95970	576.8	.00133	.000291	.00111	.000243	
345	22.0	1.5	1.1	.96865	583.1	.00149	.000326	.00152	.000332	
346	22.0	1.0	1.6	.96082	584.5	.00192	.000419	.00191	.000417	
347	22.0	.5	1.1	.96250	581.5	.00158	.000345	.00139	.000304	
348	22.0	.0	.6	.97257	584.1	.00131	.000286	.00214	.000468	
349	26.0	1.5	1.1	.96865	582.2	.00116	.000253			
350	26.0	1.0	1.6	.96082	584.1	.00192	.000419	.00192	.000419	
351	26.0	.5	1.1	.96474	581.2	.00167	.000365			
354	30.0	1.0	1.6	.96138	581.5	.00206	.000450			
355	30.0	.5	1.1	.96753	582.8	.00166	.000363	.00167	.000365	
356	30.0	.0	.6	.97257	585.1	.00121	.000264			
357	4.0	-6.0	.6	.97033	587.5	.00170	.000371			
358	8.0	-6.0	.6	.97145	587.1	.00157	.000343	.00157	.000343	
359	12.0	-6.0	.6	.97089	587.5	.00144	.000315	.00144	.000315	
360	16.0	-6.0	.6	.97201	588.1	.00143	.000312			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

10. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 5^{\circ}$ - Continued

(c) $M = 2.65$; $R = 1.26 \times 10^6$; $T_t = 712^{\circ}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.96187	577.8	.00126	.000554			.98
2	2.0	.0		.96692	583.1	.00121	.000532			.95
3	2.0	12.0		.96468	580.1	.00114	.000501			1.03
4	8.0	.0		.96075	579.1	.00122	.000536			.96
5	9.0	.0		.96524	579.8	.00127	.000558	.00124	.000545	.99
6	10.0	.0		.96748	583.8	.00168	.000738	.00175	.000769	1.32
7	11.0	.0		.97028	584.8	.00161	.000707	.00168	.000738	1.26
8	11.5	.0		.96972	585.1	.00135	.000593			1.05
10	12.0	3.0		.97309	585.5	.00104	.000457			.87
11	12.0	5.0		.97309	585.5	.00128	.000562			1.07
24	14.0	-12.0		.95795	576.5	.00154	.000677			1.20
42	50.0	-8.0		.97365	580.5	.00053	.000233			.41
43	50.0	-5.0		.97589	581.1	.00033	.000145			.26
44	50.0	.0		.98037	582.8	.00020	.000088			.17
46	58.0	.0		.95122	570.5	.00104	.000457			.86
47	58.0	6.0		.95627	574.5	.00126	.000554			.98
48	58.0	12.0		.95178	571.1	.00125	.000549			.94
301	1.0	1.5	1.1	.96355	577.1	.00084	.000369			
302	1.0	1.0	1.6	.95795	576.1	.00128	.000562	.00113	.000497	
303	1.0	.5	1.1	.96412	578.1	.00100	.000439	.00082	.000360	
304	1.0	.0	.6	.98206	585.1	.00080	.000352			
305	2.0	1.5	1.1	.96804	580.8	.00098	.000431	.00100	.000439	
306	2.0	1.0	1.6	.96075	579.1	.00123	.000540	.00104	.000457	
307	2.0	.5	1.1	.96804	582.8	.00114	.000501	.00121	.000532	
308	2.0	.0	.6	.97365	585.1	.00084	.000369	.00095	.000417	
309	3.0	1.5	1.1	.97252	583.1	.00119	.000523	.00123	.000540	
310	3.0	1.0	1.6	.96236	581.5	.00114	.000501	.00094	.000413	
312	3.0	.0	.6	.97757	585.5	.00085	.000374	.00102	.000448	
313	4.0	1.5	1.1	.97252	583.1	.00098	.000431	.00089	.000391	
314	4.0	1.0	1.6	.96804	582.8	.00126	.000554	.00117	.000514	
315	4.0	.5	1.1	.97140	583.1	.00119	.000523	.00111	.000488	
316	4.0	.0	.6	.97981	586.5	.00074	.000325			
317	5.0	1.5	1.1	.97533	584.8	.00090	.000395			
318	5.0	1.0	1.6	.96972	582.1	.00120	.000527	.00107	.000470	
319	5.0	.5	1.1	.97365	583.8	.00096	.000422			
321	6.0	1.5	1.1	.97645	584.8	.00088	.000387	.00092	.000404	
323	6.0	.5	1.1	.97645	586.5	.00101	.000444	.00104	.000457	
324	6.0	.0	.6	.98374	588.8	.00079	.000347			
325	8.0	1.5	1.1	.97813	585.8	.00080	.000352	.00086	.000378	
326	8.0	1.0	1.6	.97252	583.5	.00119	.000523	.00106	.000466	
327	8.0	.5	1.1	.97645	585.1	.00100	.000439	.00101	.000444	
328	8.0	.0	.6	.98037	586.5	.00078	.000343	.00089	.000391	
329	10.0	1.5	1.1	.97813	585.8	.00084	.000369	.00080	.000352	
330	10.0	1.0	1.6	.97645	586.1	.00119	.000523	.00123	.000540	
331	10.0	.5	1.1	.97757	585.5	.00084	.000369	.00079	.000347	
332	10.0	.0	.6	.98206	587.1	.00064	.000281	.00073	.000321	
333	12.0	1.5	1.1	.97757	585.5	.00084	.000369	.00081	.000356	
334	12.0	1.0	1.6	.97365	584.1	.00099	.000435	.00094	.000413	
335	12.0	.5	1.1	.97589	584.5	.00084	.000369	.00074	.000325	
336	12.0	.0	.6	.98374	588.5	.00072	.000316	.00089	.000391	
337	14.0	1.5	1.1	.97869	585.5	.00079	.000347	.00079	.000347	
339	14.0	.5	1.1	.97701	586.1	.00090	.000395	.00091	.000400	
340	14.0	.0	.6	.98037	585.8	.00058	.000255	.00059	.000259	
341	18.0	1.5	1.1	.97421	583.1	.00074	.000325	.00087	.000382	
342	18.0	1.0	1.6	.97140	582.5	.00090	.000395			
343	18.0	.5	1.1	.97365	583.1	.00084	.000369	.00097	.000426	
344	18.0	.0	.6	.97028	579.8	.00060	.000264			
345	22.0	1.5	1.1	.97981	586.1	.00072	.000316	.00075	.000330	
346	22.0	1.0	1.6	.97421	584.5	.00095	.000417	.00094	.000413	
347	22.0	.5	1.1	.97477	583.5	.00079	.000347	.00065	.000286	
348	22.0	.0	.6	.98206	587.1	.00060	.000264			
349	26.0	1.5	1.1	.98037	586.2	.00076	.000334			
350	26.0	1.0	1.6	.97421	584.1	.00095	.000417	.00095	.000417	
351	26.0	.5	1.1	.97701	584.5	.00082	.000360			
354	30.0	1.0	1.6	.97477	585.5	.00090	.000395			
355	30.0	.5	1.1	.97981	586.5	.00074	.000325	.00078	.000343	
356	30.0	.0	.6	.98262	586.8	.00058	.000255			
357	4.0	-6.0	.6	.97925	586.5	.00085	.000374			
358	8.0	-6.0	.6	.98149	587.1	.00068	.000299	.00068	.000299	
359	12.0	-6.0	.6	.98037	586.8	.00071	.000312	.00071	.000312	
360	16.0	-6.0	.6	.98149	587.1	.00078	.000343			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

10. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 5^{o}$ - Continued

(d) $M = 3.51$; $R = 3.91 \times 10^{6}$; $T_t = 717^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94680	571.5	.00178	.000349			1.02
2	2.0	.0		.95128	574.1	.00175	.000343			1.02
3	2.0	12.0		.95072	576.1	.00194	.000380			.99
4	8.0	.0		.94568	570.8	.00179	.000351			1.02
5	9.0	.0		.94624	571.1	.00177	.000347	.00172	.000337	.93
6	10.0	.0		.95184	574.1	.00177	.000347	.00170	.000333	.93
7	11.0	.0		.95744	581.1	.00240	.000471	.00248	.000486	1.26
8	11.5	.0		.96080	581.8	.00224	.000439			1.18
10	12.0	3.0		.96360	582.5	.00178	.000349			.92
11	12.0	5.0		.96248	586.8	.00213	.000418			1.08
24	14.0	-12.0		.94344	570.1	.00208	.000408			1.09
42	50.0	-8.0		.97368	581.5	.00078	.000153			.45
43	50.0	-5.0		.97424	581.5	.00059	.000116			.31
46	58.0	.0		.93168	560.8	.00152	.000298			.83
47	58.0	6.0		.94120	567.5	.00180	.000353			.90
48	58.0	12.0		.93560	564.5	.00182	.000357			.80
301	1.0	1.5	1.1	.94568	569.1	.00174	.000341	.00156	.000306	
302	1.0	1.0	1.6	.93280	567.8	.00235	.000461	.00214	.000420	
303	1.0	.5	1.1	.94344	570.5	.00172	.000337	.00150	.000294	
304	1.0	.0	.6	.96136	579.5	.00188	.000369			
305	2.0	1.5	1.1	.94960	572.5	.00153	.000300	.00154	.000302	
306	2.0	1.0	1.6	.93728	568.8	.00208	.000408	.00165	.000324	
307	2.0	.5	1.1	.94960	572.8	.00175	.000343	.00180	.000353	
308	2.0	.0	.6	.96136	577.8	.00139	.000273	.00165	.000324	
309	3.0	1.5	1.1	.95632	575.8	.00172	.000337	.00176	.000345	
310	3.0	1.0	1.6	.94568	572.5	.00194	.000380	.00166	.000326	
311	3.0	.5	1.1	.95352	576.8	.00181	.000355	.00182	.000357	
312	3.0	.0	.6	.96472	580.8	.00134	.000263	.00176	.000345	
313	4.0	1.5	1.1	.95632	579.5	.00169	.000331	.00156	.000306	
314	4.0	1.0	1.6	.94736	574.8	.00206	.000404	.00188	.000369	
315	4.0	.5	1.1	.95408	575.5	.00190	.000373	.00179	.000351	
316	4.0	.0	.6	.96752	581.1	.00138	.000271			
317	5.0	1.5	1.1	.95968	578.2	.00158	.000310			
318	5.0	1.0	1.6	.94960	575.5	.00204	.000400	.00181	.000355	
319	5.0	.5	1.1	.95688	576.5	.00158	.000310			
321	6.0	1.5	1.1	.96192	580.1	.00157	.000308	.00157	.000308	
323	6.0	.5	1.1	.96024	578.8	.00188	.000369	.00190	.000373	
324	6.0	.0	.6	.97144	583.8	.00123	.000241			
325	8.0	1.5	1.1	.96304	582.5	.00143	.000280	.00141	.000277	
326	8.0	1.0	1.6	.95576	579.5	.00169	.000331	.00148	.000290	
327	8.0	.5	1.1	.96304	580.8	.00146	.000286	.00141	.000277	
328	8.0	.0	.6	.97256	584.8	.00122	.000239	.00149	.000292	
329	10.0	1.5	1.1	.96472	581.8	.00146	.000286	.00140	.000275	
330	10.0	1.0	1.6	.95968	582.1	.00169	.000331	.00161	.000316	
331	10.0	.5	1.1	.96640	582.1	.00134	.000263	.00133	.000261	
332	10.0	.0	.6	.97312	584.8	.00112	.000220	.00131	.000257	
333	12.0	1.5	1.1	.96472	580.5	.00154	.000302	.00152	.000298	
334	12.0	1.0	1.6	.95856	580.5	.00160	.000314	.00146	.000286	
335	12.0	.5	1.1	.96304	579.1	.00154	.000302	.00143	.000280	
336	12.0	.0	.6	.97368	584.1	.00112	.000220	.00135	.000265	
337	14.0	1.5	1.1	.96808	582.5	.00133	.000261	.00133	.000261	
339	14.0	.5	1.1	.96528	580.5	.00139	.000273	.00140	.000275	
340	14.0	.0	.6	.97144	582.1	.00106	.000208	.00115	.000226	
341	18.0	1.5	1.1	.96472	579.5	.00138	.000271	.00143	.000280	
342	18.0	1.0	1.6	.96248	579.1	.00144	.000282	.00207	.000406	
343	18.0	.5	1.1	.96416	579.1	.00138	.000271	.00142	.000279	
344	16.0	.0	.6	.96472	577.8	.00107	.000210	.00099	.000194	
345	22.0	1.5	1.1	.96808	580.8	.00115	.000226	.00119	.000233	
346	22.0	1.0	1.6	.96080	579.8	.00147	.000288	.00139	.000273	
347	22.0	.5	1.1	.96472	578.5	.00122	.000239	.00113	.000222	
348	22.0	.0	.6	.97256	582.1	.00090	.000177			
349	26.0	1.5	1.1	.96920	580.8	.00106	.000208			
350	26.0	1.0	1.6	.96248	578.8	.00154	.000302	.00154	.000302	
351	26.0	.5	1.1	.96640	579.5	.00113	.000222			
354	30.0	1.0	1.6	.96248	578.5	.00154	.000302			
355	30.0	.5	1.1	.96976	582.5	.00112	.000220	.00118	.000231	
356	30.0	.0	.6	.97368	583.1	.00090	.000177			
357	4.0	-6.0	.6	.96528	581.8	.00135	.000265			
358	8.0	-6.0	.6	.96864	583.1	.00124	.000243	.00124	.000243	
359	12.0	-6.0	.6	.96864	581.1	.00107	.000210	.00107	.000210	
360	16.0	-6.0	.6	.97144	582.8	.00122	.000239			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

10. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 5^{o}$ - Continued

(e) M = 3.51; R = 2.74×10^{6}; $T_t = 716^{o}$ R

Thermocouple	x, in.	y, in	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95130	572.8	.00143	.000400			1.10
2	2.0	.0		.95578	575.1	.00124	.000347			1.00
3	2.0	12.0		.95634	575.8	.00142	.000397			1.04
4	8.0	.0		.95074	572.1	.00143	.000400			1.10
5	9.0	.0		.95186	573.8	.00128	.000358	.00123	.000344	.96
6	10.0	.0		.95858	576.1	.00127	.000355	.00122	.000341	.95
7	11.0	.0		.96250	584.1	.00195	.000545	.00208	.000581	1.47
8	11.5	.0		.96585	584.5	.00174	.000486			1.26
10	12.0	3.0		.96809	584.5	.00141	.000394			.91
11	12.0	5.0		.96753	584.1	.00174	.000486			1.12
24	14.0	-12.0		.94683	572.1	.00162	.000453			1.21
42	50.0	-8.0		.97817	583.8	.00060	.000168			.45
43	50.0	-5.0		.97929	584.1	.00041	.000115			.32
46	58.0	.0		.93899	566.1	.00113	.000316			.82
47	58.0	6.0		.94739	569.8	.00129	.000361			.83
48	58.0	12.0		.94179	567.5	.00129	.000361			.87
301	1.0	1.5	1.1	.95186	572.1	.00111	.000310	.00098	.000274	
302	1.0	1.0	1.6	.94011	569.5	.00165	.000461	.00146	.000408	
303	1.0	.5	1.1	.95018	570.8	.00120	.000335	.00108	.000302	
304	1.0	.0	.6	.96753	579.5	.00084	.000235			
305	2.0	1.5	1.1	.95634	575.8	.00116	.000324	.00114	.000319	
306	2.0	1.0	1.6	.94571	572.5	.00139	.000388	.00103	.000288	
307	2.0	.5	1.1	.95690	576.1	.00126	.000352	.00129	.000361	
308	2.0	.0	.6	.96697	580.5	.00093	.000260	.00120	.000335	
309	3.0	1.5	1.1	.96306	579.8	.00126	.000352	.00134	.000374	
310	3.0	1.0	1.6	.95410	573.8	.00142	.000397	.00119	.000333	
311	3.0	.5	1.1	.96138	577.8	.00119	.000333	.00119	.000333	
312	3.0	.0	.6	.97089	582.8	.00101	.000282			
313	4.0	1.5	1.1	.96418	581.8	.00118	.000330	.00112	.000313	
314	4.0	1.0	1.6	.95690	576.5	.00158	.000442	.00146	.000408	
315	4.0	.5	1.1	.96306	578.5	.00125	.000349	.00115	.000321	
316	4.0	.0	.6	.97481	583.8	.00086	.000240			
317	5.0	1.5	1.1	.96809	581.5	.00114	.000319			
318	5.0	1.0	1.6	.95914	579.8	.00129	.000361	.00115	.000321	
319	5.0	.5	1.1	.96585	579.8	.00114	.000319			
321	6.0	1.5	1.1	.97033	582.1	.00108	.000302	.00108	.000302	
323	6.0	.5	1.1	.96977	582.1	.00123	.000344	.00125	.000349	
324	6.0	.0	.6	.97929	586.5	.00084	.000235			
325	8.0	1.5	1.1	.97145	583.1	.00108	.000302	.00106	.000296	
326	8.0	1.0	1.6	.96585	581.5	.00125	.000349	.00109	.000305	
327	8.0	.5	1.1	.97201	582.8	.00107	.000299	.00102	.000285	
328	8.0	.0	.6	.98041	586.8	.00084	.000235	.00107	.000299	
329	10.0	1.5	1.1	.97313	583.8	.00108	.000302	.00102	.000285	
330	10.0	1.0	1.6	.96977	585.1	.00118	.000330	.00112	.000313	
331	10.0	.5	1.1	.97481	584.5	.00107	.000299	.00106	.000296	
332	10.0	.0	.6	.98097	588.5	.00075	.000210	.00094	.000263	
333	12.0	1.5	1.1	.97313	583.8	.00108	.000302	.00104	.000291	
334	12.0	1.0	1.6	.96753	583.8	.00117	.000327	.00107	.000299	
335	12.0	.5	1.1	.97201	583.5	.00092	.000257	.00080	.000224	
336	12.0	.0	.6	.98153	587.5	.00068	.000190			
337	14.0	1.5	1.1	.97593	585.5	.00091	.000254	.00092	.000257	
339	14.0	.5	1.1	.97425	584.1	.00107	.000299	.00108	.000302	
340	14.0	.0	.6	.97929	585.5	.00071	.000198	.00078	.000218	
341	18.0	1.5	1.1	.97257	584.5	.00085	.000238	.00090	.000252	
342	18.0	1.0	1.6	.97201	583.1	.00113	.000316	.00175	.000489	
343	18.0	.5	1.1	.97257	582.5	.00091	.000254	.00095	.000265	
344	18.0	.0	.6	.97201	581.1	.00066	.000184	.00053	.000148	
345	22.0	1.5	1.1	.97649	584.5	.00084	.000235	.00087	.000243	
346	22.0	1.0	1.6	.97033	582.1	.00108	.000302	.00101	.000282	
347	22.0	.5	1.1	.97313	582.1	.00077	.000215	.00067	.000187	
348	22.0	.0	.6	.98041	586.1	.00058	.000162			
349	26.0	1.5	1.1	.97761	584.8	.00101	.000282			
350	26.0	1.0	1.6	.97257	582.8	.00090	.000252	.00090	.000252	
351	26.0	.5	1.1	.97537	583.2	.00076	.000212			
354	30.0	1.0	1.6	.97145	582.5	.00107	.000299			
355	30.0	.5	1.1	.97817	585.1	.00079	.000221	.00084	.000235	
356	30.0	.0	.6	.98097	585.8	.00057	.000159			
357	4.0	-6.0	.6	.97257	583.5	.00108	.000302			
358	8.0	-6.0	.6	.97705	585.1	.00079	.000221	.00079	.000221	
359	12.0	-6.0	.6	.97705	584.5	.00074	.000207	.00074	.000207	
360	16.0	-6.0	.6	.97929	586.1	.00078	.000218			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

10. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 5^{\circ}$ - Continued

(f) $M = 3.51$; $R = 1.57 \times 10^6$; $T_t = 715^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95527	572.8	.00082	.000402			.93
2	2.0	.0		.95974	575.8	.00082	.000402			.94
3	2.0	12.0		.95974	576.5	.00083	.000407			.95
4	8.0	.0		.95639	573.5	.00082	.000402			1.05
5	9.0	.0		.95863	574.8	.00082	.000402	.00076	.000372	.93
6	10.0	.0		.96533	579.5	.00078	.000382	.00079	.000387	.89
7	11.0	.0		.96869	583.8	.00120	.000588	.00130	.000637	1.58
8	11.5	.0		.97148	584.1	.00112	.000549			1.38
10	12.0	3.0		.97428	585.8	.00081	.000397			.92
11	12.0	5.0		.97372	585.8	.00112	.000549			1.35
24	14.0	-12.0		.95080	570.8	.00097	.000475			1.11
42	50.0	-8.0		.98322	586.5	.00035	.000172			.41
44	50.0	.0		.98770	588.1	.00013	.000064			.15
46	50.0	.0		.94689	567.1	.00065	.000319			.82
47	50.0	6.0		.95359	572.1	.00076	.000372			.87
48	50.0	12.0		.95024	569.5	.00067	.000328			.73
301	1.0	1.5	1.1	.96198	575.5	.00061	.000299			
302	1.0	1.0	1.6	.95248	572.5	.00089	.000436	.00071	.000348	
303	1.0	.5	1.1	.96086	575.5	.00067	.000328	.00052	.000255	
304	1.0	.0	.6	.97596	582.8	.00047	.000230			
305	2.0	1.5	1.1	.96701	578.8	.00059	.000289	.00057	.000279	
306	2.0	1.0	1.6	.95918	575.5	.00084	.000412	.00060	.000294	
307	2.0	.5	1.1	.96701	579.1	.00061	.000299	.00063	.000309	
308	2.0	.0	.6	.97484	582.5	.00048	.000235	.00064	.000314	
309	3.0	1.5	1.1	.97316	582.8	.00060	.000294	.00067	.000328	
310	3.0	1.0	1.6	.96701	579.1	.00076	.000372	.00058	.000284	
311	3.0	.5	1.1	.97204	582.1	.00061	.000299	.00063	.000309	
312	3.0	.0	.6	.97931	585.5	.00051	.000250			
313	4.0	1.5	1.1	.97484	584.1	.00070	.000343	.00064	.000314	
314	4.0	1.0	1.6	.96981	581.8	.00079	.000387	.00071	.000348	
315	4.0	.5	1.1	.97428	583.5	.00060	.000294	.00052	.000255	
316	4.0	.0	.6	.98322	588.1	.00047	.000230			
317	5.0	1.5	1.1	.97931	586.2	.00060	.000294			
318	5.0	1.0	1.6	.97260	583.1	.00070	.000343	.00056	.000274	
319	5.0	.5	1.1	.97707	584.8	.00059	.000289			
321	6.0	1.5	1.1	.98155	587.1	.00057	.000279	.00058	.000284	
323	6.0	.5	1.1	.98155	587.5	.00054	.000265	.00056	.000274	
324	6.0	.0	.6	.98825	590.8	.00041	.000201			
325	8.0	1.5	1.1	.98266	588.1	.00056	.000274	.00052	.000255	
326	8.0	1.0	1.6	.97931	586.5	.00062	.000304	.00051	.000250	
327	8.0	.5	1.1	.98322	588.1	.00062	.000304	.00059	.000289	
328	8.0	.0	.6	.98937	591.1	.00043	.000211			
329	10.0	1.5	1.1	.98434	588.8	.00057	.000279	.00048	.000235	
330	10.0	1.0	1.6	.98322	589.1	.00071	.000348	.00073	.000358	
331	10.0	.5	1.1	.98658	589.8	.00054	.000265	.00052	.000255	
332	10.0	.0	.6	.99049	591.5	.00038	.000186	.00050	.000245	
333	12.0	1.5	1.1	.98434	588.8	.00051	.000250	.00046	.000225	
334	12.0	1.0	1.6	.98099	587.5	.00061	.000299	.00056	.000274	
335	12.0	.5	1.1	.98322	588.1	.00053	.000260	.00042	.000206	
336	12.0	.0	.6	.99049	591.8	.00038	.000186			
337	14.0	1.5	1.1	.98602	589.5	.00048	.000235	.00048	.000235	
339	14.0	.5	1.1	.98490	589.1	.00049	.000240	.00050	.000245	
340	14.0	.0	.6	.98714	589.5	.00032	.000157			
341	18.0	1.5	1.1	.98322	587.8	.00042	.000206			
342	18.0	1.0	1.6	.98378	589.5	.00059	.000289			
343	18.0	.5	1.1	.98322	587.8	.00047	.000230	.00052	.000255	
344	18.0	.0	.6	.98099	585.5	.00031	.000152			
345	22.0	1.5	1.1	.98714	589.8	.00045	.000221	.00049	.000240	
346	22.0	1.0	1.6	.98322	588.5	.00054	.000265	.00051	.000250	
347	22.0	.5	1.1	.98434	587.8	.00047	.000230	.00039	.000191	
348	22.0	.0	.6	.98881	590.1	.00029	.000142			
349	26.0	1.5	1.1	.98770	590.2	.00038	.000186			
350	26.0	1.0	1.6	.98490	589.1	.00055	.000270	.00055	.000270	
351	26.0	.5	1.1	.98602	588.8	.00047	.000230			
354	30.0	1.0	1.6	.98322	588.5	.00054	.000265			
355	30.0	.5	1.1	.98825	590.5	.00047	.000230	.00054	.000265	
356	30.0	.0	.6	.98937	590.5	.00040	.000196			
357	4.0	-6.0	.6	.98043	586.8	.00052	.000255			
358	8.0	-6.0	.6	.98490	588.8	.00047	.000230	.00047	.000230	
359	12.0	-6.0	.6	.98546	588.8	.00038	.000186			
360	16.0	-6.0	.6	.98770	590.1	.00042	.000206			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

10. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 5^{\circ}$ - Continued

(g) $M = 4.44$; $R = 4.44 \times 10^6$; $T_t = 694^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_c}$
1	2.0	-12.0		.93028	567.5	.00076	.000193			1.04
2	2.0	.0		.93358	571.8	.00090	.000229			1.17
3	2.0	12.0		.93083	570.8	.00141	.000358			1.06
4	8.0	.0		.92973	568.1	.00101	.000257			.95
5	9.0	.0		.92973	568.5	.00101	.000257	.00094	.000239	.95
6	10.0	.0		.93522	572.1	.00113	.000287	.00108	.000275	1.45
7	11.0	.0		.94071	575.1	.00127	.000323	.00141	.000358	1.20
8	11.5	.0		.94126	576.5	.00126	.000320			1.19
10	12.0	3.0		.95059	582.1	.00124	.000315			1.11
11	12.0	5.0		.94675	580.5	.00136	.000346			1.18
24	14.0	-12.0		.92754	566.1	.00106	.000269			1.28
43	50.0	-5.0		.96102	583.5	.00033	.000084			.39
46	58.0	.0		.92150	562.8	.00089	.000226			.83
47	58.0	6.0		.93028	567.8	.00124	.000315			1.01
48	58.0	12.0		.91436	560.8	.00130	.000330			.87
301	1.0	1.5	1.1	.92150	562.1	.00084	.000214			
302	1.0	1.0	1.6	.91107	558.1	.00183	.000465	.00143	.000364	
303	1.0	.5	1.1	.92150	564.5	.00112	.000285	.00083	.000211	
304	1.0	.0	.6	.93852	571.8	.00086	.000219			
305	2.0	1.5	1.1	.92699	565.5	.00095	.000242	.00095	.000242	
306	2.0	1.0	1.6	.91546	560.1	.00139	.000353			
307	2.0	.5	1.1	.92699	565.1	.00081	.000206	.00077	.000196	
308	2.0	.0	.6	.93687	570.1	.00065	.000165	.00100	.000254	
309	3.0	1.5	1.1	.93577	570.5	.00090	.000229	.00104	.000264	
310	3.0	1.0	1.6	.92644	565.1	.00125	.000318			
311	3.0	.5	1.1	.93358	570.1	.00100	.000254	.00100	.000254	
312	3.0	.0	.6	.94346	576.5	.00082	.000208			
313	4.0	1.5	1.1	.93632	571.1	.00098	.000249	.00078	.000198	
314	4.0	1.0	1.6	.92973	568.5	.00125	.000318			
315	4.0	.5	1.1	.93797	572.5	.00100	.000254	.00113	.000287	
316	4.0	.0	.6	.94675	577.1	.00068	.000173			
317	5.0	1.5	1.1	.94291	575.5	.00099	.000252			
318	5.0	1.0	1.6	.93248	569.5	.00114	.000290			
319	5.0	.5	1.1	.93687	571.8	.00097	.000247			
321	6.0	1.5	1.1	.94510	576.1	.00076	.000193	.00078	.000198	
323	6.0	.5	1.1	.94346	575.1	.00096	.000244	.00103	.000262	
324	6.0	.0	.6	.95443	581.1	.00065	.000165			
325	8.0	1.5	1.1	.94510	576.1	.00078	.000198	.00054	.000137	
326	8.0	1.0	1.6	.94291	575.1	.00122	.000310	.00116	.000295	
327	8.0	.5	1.1	.94455	575.5	.00091	.000231			
328	8.0	.0	.6	.95608	582.5	.00059	.000150			
329	10.0	1.5	1.1	.94730	577.5	.00089	.000226			
330	10.0	1.0	1.6	.95004	579.8	.00099	.000252	.00130	.000330	
331	10.0	.5	1.1	.94730	577.1	.00073	.000186			
332	10.0	.0	.6	.95718	582.5	.00071	.000180			
333	12.0	1.5	1.1	.94785	577.8	.00088	.000224	.00073	.000186	
334	12.0	1.0	1.6	.94291	575.5	.00098	.000249	.00087	.000221	
335	12.0	.5	1.1	.94510	575.8	.00085	.000216			
336	12.0	.0	.6	.95773	582.8	.00060	.000153			
337	14.0	1.5	1.1	.95224	579.8	.00068	.000173	.00069	.000175	
339	14.0	.5	1.1	.94895	578.1	.00073	.000186	.00073	.000186	
340	14.0	.0	.6	.95279	579.5	.00053	.000135	.00058	.000147	
341	16.0	1.5	1.1	.94949	578.1	.00078	.000198	.00077	.000196	
342	16.0	1.0	1.6	.95498	582.1	.00088	.000224			
343	16.0	.5	1.1	.95389	583.5	.00078	.000198	.00106	.000269	
344	16.0	.0	.6	.94510	574.8	.00059	.000150			
345	22.0	1.5	1.1	.95279	580.1	.00062	.000158	.00074	.000188	
346	22.0	1.0	1.6	.94675	577.1	.00094	.000239	.00085	.000216	
347	22.0	.5	1.1	.94675	576.1	.00072	.000183			
348	22.0	.0	.6	.95498	580.8	.00047	.000119			
349	26.0	1.5	1.1	.95279	580.2	.00057	.000145			
350	26.0	1.0	1.6	.95114	579.5	.00088	.000224	.00089	.000226	
351	26.0	.5	1.1	.95004	578.2	.00071	.000180			
354	30.0	1.0	1.6	.94675	576.8	.00068	.000173			
355	30.0	.5	1.1	.95389	580.1	.00055	.000140	.00073	.000186	
356	30.0	.0	.6	.95443	580.1	.00040	.000102			
357	4.0	-6.0	.6	.94400	575.1	.00076	.000193			
358	8.0	-6.0	.6	.94840	577.5	.00063	.000160	.00063	.000160	
359	12.0	-6.0	.6	.94840	576.8	.00051	.000130	.00051	.000130	
360	16.0	-6.0	.6	.95389	580.5	.00065	.000165			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

10. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 5^{\circ}$ - Continued

(h) M = 4.44; R = 3.12×10^6; $T_t = 690^{\circ}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}R$	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.93690	566.8	.00070	.000253			1.15
2	2.0	.0		.94077	569.8	.00064	.000231			.84
3	2.0	12.0		.93690	568.1	.00088	.000318			1.05
4	8.0	.0		.93690	567.5	.00077	.000278			1.03
5	9.0	.0		.93745	566.8	.00074	.000267	.00065	.000235	1.03
6	10.0	.0		.94354	570.1	.00068	.000246	.00066	.000239	.96
7	11.0	.0		.94797	575.1	.00088	.000318	.00107	.000387	1.24
11	12.0	5.0		.95295	579.1	.00104	.000376			1.16
24	14.0	-12.0		.93247	564.5	.00070	.000253			1.04
43	50.0	-5.0		.96679	582.1	.00030	.000108			.39
46	58.0	.0		.92749	560.1	.00059	.000213			.69
47	58.0	6.0		.93579	566.8	.00077	.000278			.78
48	58.0	12.0		.92195	558.1	.00108	.000390			.99
302	1.0	1.0	1.6	.91863	556.8	.00107	.000387	.00069	.000249	
303	1.0	.5	1.1	.92694	560.8	.00076	.000275	.00051	.000184	
304	1.0	.0	.6	.94299	569.5	.00051	.000184			
305	2.0	1.5	1.1	.93247	563.8	.00070	.000253	.00066	.000239	
306	2.0	1.0	1.6	.92361	559.1	.00085	.000307			
307	2.0	.5	1.1	.93302	563.5	.00062	.000224	.00058	.000210	
308	2.0	.0	.6	.94133	567.8	.00045	.000163			
309	3.0	1.5	1.1	.94133	568.5	.00062	.000224	.00074	.000267	
310	3.0	1.0	1.6	.93413	564.8	.00070	.000253	.00057	.000206	
311	3.0	.5	1.1	.93911	567.8	.00060	.000217	.00055	.000199	
312	3.0	.0	.6	.94852	573.1	.00047	.000170			
313	4.0	1.5	1.1	.94188	569.1	.00063	.000228			
314	4.0	1.0	1.6	.93745	567.1	.00075	.000271	.00045	.000163	
315	4.0	.5	1.1	.94465	571.1	.00070	.000253	.00085	.000307	
316	4.0	.0	.6	.95184	574.8	.00046	.000166			
317	5.0	1.5	1.1	.95184	575.8	.00062	.000224			
318	5.0	1.0	1.6	.94077	568.8	.00077	.000278			
319	5.0	.5	1.1	.94354	570.5	.00062	.000224			
321	6.0	1.5	1.1	.95184	574.8	.00056	.000202	.00056	.000202	
323	6.0	.5	1.1	.95018	573.8	.00062	.000224	.00069	.000249	
325	8.0	1.5	1.1	.95184	574.8	.00053	.000192			
326	8.0	1.0	1.6	.95074	574.1	.00063	.000228	.00060	.000217	
327	8.0	.5	1.1	.95129	574.1	.00059	.000213			
328	8.0	.0	.6	.96180	580.1	.00039	.000141			
329	10.0	1.5	1.1	.95406	576.1	.00052	.000188			
330	10.0	1.0	1.6	.95793	579.5	.00063	.000228			
331	10.0	.5	1.1	.95461	576.1	.00049	.000177			
332	10.0	.0	.6	.96291	581.1	.00045	.000163			
333	12.0	1.5	1.1	.95461	576.1	.00057	.000206			
334	12.0	1.0	1.6	.95074	574.5	.00063	.000228	.00056	.000202	
335	12.0	.5	1.1	.95184	574.5	.00052	.000188			
336	12.0	.0	.6	.96402	581.8	.00038	.000137			
337	14.0	1.5	1.1	.95848	578.5	.00052	.000188	.00053	.000192	
339	14.0	.5	1.1	.95627	577.1	.00052	.000188	.00053	.000192	
341	18.0	1.5	1.1	.95572	576.8	.00051	.000184	.00048	.000174	
342	18.0	1.0	1.6	.96180	580.8	.00075	.000271			
343	18.0	.5	1.1	.96070	579.5	.00055	.000199			
344	18.0	.0	.6	.95129	573.5	.00042	.000152			
345	22.0	1.5	1.1	.95904	578.8	.00047	.000170	.00058	.000210	
346	22.0	1.0	1.6	.95461	576.1	.00058	.000210	.00050	.000181	
347	22.0	.5	1.1	.95406	575.1	.00038	.000137			
349	26.0	1.5	1.1	.95959	578.8	.00049	.000177			
350	26.0	1.0	1.6	.95904	579.5	.00067	.000242	.00068	.000246	
354	30.0	1.0	1.6	.95406	575.8	.00050	.000181			
355	30.0	.5	1.1	.96014	579.1	.00045	.000163	.00063	.000228	
356	30.0	.0	.6	.96014	578.5	.00031	.000112			
357	4.0	-6.0	.6	.94907	572.8	.00053	.000192			
358	8.0	-6.0	.6	.95406	575.5	.00038	.000137	.00039	.000141	
359	12.0	-6.0	.6	.95461	575.5	.00037	.000134	.00036	.000130	
360	16.0	-6.0	.6	.96070	579.1	.00041	.000148			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

10. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 5^{o}$ - Concluded

(i) M = 4.44; R = 2.11×10^{6}; $T_t = 688^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.93638	566.1	.00070	.000377			1.30
2	2.0	.0		.94136	568.8	.00066	.000356			.80
3	2.0	12.0		.93638	567.1	.00064	.000345			.93
5	9.0	.0		.93859	566.8	.00052	.000280	.00045	.000243	.79
6	10.0	.0		.94634	571.1	.00062	.000334	.00062	.000334	1.05
7	11.0	.0		.94800	575.5	.00107	.000577			2.02
8	11.5	.0		.94744	573.8	.00077	.000415			1.17
10	12.0	3.0		.95740	579.1	.00129	.000695			2.26
11	12.0	5.0		.95187	577.8	.00106	.000571			1.89
24	14.0	-12.0		.93140	562.8	.00061	.000329			
47	58.0	6.0		.93472	564.8	.00053	.000286			.93
48	58.0	12.0		.92476	560.1	.00079	.000426			.98
301	1.0	1.5	1.1	.92808	560.5	.00061	.000329			
302	1.0	1.0	1.6	.92089	557.1	.00080	.000431			
303	1.0	.5	1.1	.92808	560.5	.00059	.000318			
304	1.0	.0	.6	.94191	568.1	.00041	.000221			
305	2.0	1.5	1.1	.93251	562.8	.00051	.000275			
306	2.0	1.0	1.6	.92532	559.5	.00063	.000340			
307	2.0	.5	1.1	.93306	563.1	.00046	.000248	.00042	.000226	
308	2.0	.0	.6	.93915	566.5	.00043	.000232	.00063	.000340	
309	3.0	1.5	1.1	.94081	567.8	.00050	.000269	.00064	.000345	
311	3.0	.5	1.1	.93859	566.8	.00051	.000275			
313	4.0	1.5	1.1	.94136	568.5	.00049	.000264			
314	4.0	1.	1.6	.93804	567.1	.00064	.000345			
315	4.0	.5	1.1	.94468	570.5	.00063	.000340	.00080	.000431	
316	4.0	.0	.6	.94910	572.8	.00041	.000221			
317	5.0	1.5	1.1	.95132	574.8	.00051	.000275			
318	5.0	1.0	1.6	.94136	568.8	.00077	.000415			
319	5.0	.5	1.1	.94357	569.8	.00049	.000264			
321	6.0	1.5	1.1	.95187	574.5	.00049	.000264	.00050	.000269	
323	6.0	.5	1.1	.94966	573.5	.00047	.000253	.00054	.000291	
325	8.0	1.5	1.1	.95076	573.8	.00049	.000264			
326	8.0	1.0	1.6	.95076	574.1	.00051	.000275	.00054	.000291	
327	8.0	.5	1.1	.95076	573.8	.00047	.000253			
329	10.0	1.5	1.1	.95353	575.5	.00045	.000243			
330	10.0	1.0	1.6	.95851	578.8	.00050	.000269			
331	10.0	.5	1.1	.95408	575.5	.00048	.000259			
333	12.0	1.5	1.1	.95353	575.5	.00048	.000259			
334	12.0	1.0	1.6	.95187	574.8	.00076	.000410	.00077	.000415	
335	12.0	.5	1.1	.95132	573.8	.00038	.000205			
337	14.0	1.5	1.1	.95795	577.8	.00036	.000194	.00038	.000205	
341	18.0	1.5	1.1	.95463	576.1	.00047	.000253			
342	18.0	1.0	1.6	.96127	580.8	.00046	.000248			
343	18.0	.5	1.1	.96017	579.1	.00043	.000232			
344	18.0	.0	.6	.95021	572.5	.00031	.000167			
345	22.0	1.5	1.1	.95851	578.1	.00040	.000216	.00048	.000259	
346	22.0	1.0	1.6	.95463	576.1	.00049	.000264			
347	22.0	.5	1.1	.95353	575.1	.00040	.000216			
348	22.0	.0	.6	.95961	578.5	.00030	.000162			
350	26.0	1.0	1.6	.95961	579.1	.00041	.000221	.00042	.000226	
354	30.0	1.0	1.6	.95408	575.8	.00049	.000264			
356	30.0	.0	.6	.95851	577.5	.00031	.000167			
357	4.0	-6.0	.6	.94689	571.5	.00044	.000237			
359	12.0	-6.0	.6	.95353	574.8	.00031	.000167	.00030	.000162	
360	16.0	-6.0	.6	.95906	578.5	.00037	.000199			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

11. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 10^{o}$

(a) M = 2.65; R = 3.91×10^{6}; $T_t = 714^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95104	581.8	.00330	.000466			1.05
2	2.0	.0		.95661	584.5	.00302	.000427			1.01
3	2.0	12.0		.95438	583.1	.00298	.000421			1.00
4	8.0	.0		.95049	581.1	.00316	.000447			1.03
5	9.0	.0		.95383	582.5	.00311	.000440	.00301	.000425	.94
6	10.0	.0		.95828	588.8	.00432	.000611	.00438	.000619	1.42
7	11.0	.0		.96217	591.5	.00427	.000603	.00426	.000602	1.29
8	11.5	.0		.96217	590.8	.00364	.000514			1.20
10	12.0	3.0		.96439	593.5	.00288	.000407			.87
11	12.0	5.0		.96384	591.5	.00393	.000555			1.19
24	14.0	-12.0		.95327	587.1	.00375	.000530			1.11
42	50.0	-8.0		.96217	581.1	.00147	.000208			.47
43	50.0	-5.0		.96495	582.5	.00133	.000188			.42
44	50.0	.0		.96940	581.1	.00033	.000047			.10
46	58.0	.0		.94103	574.1	.00292	.000413			1.00
47	58.0	6.0		.93825	574.8	.00345	.000488			1.09
48	58.0	12.0		.93269	574.5	.00450	.000636			1.43
301	1.0	1.5	1.1	.94437	576.8	.00322	.000455	.00296	.000418	
302	1.0	1.0	1.6	.93658	574.8	.00404	.000571	.00381	.000538	
303	1.0	.5	1.1	.94604	584.5	.00326	.000461	.00313	.000442	
304	1.0	.0	.6	.96161	587.1	.00297	.000420	.00337	.000476	
305	2.0	1.5	1.1	.94771	584.1	.00303	.000428	.00296	.000418	
306	2.0	1.0	1.6	.93825	576.5	.00424	.000599	.00396	.000560	
307	2.0	.5	1.1	.94771	582.5	.00403	.000570	.00422	.000596	
308	2.0	.0	.6	.95661	590.8	.00265	.000375	.00286	.000404	
309	3.0	1.5	1.1	.95160	580.8	.00318	.000449	.00320	.000452	
310	3.0	1.0	1.6	.94159	576.5	.00361	.000510	.00330	.000466	
311	3.0	.5	1.1	.94826	581.1	.00361	.000510	.00358	.000506	
312	3.0	.0	.6	.95939	589.8	.00297	.000420	.00306	.000432	
313	4.0	1.5	1.1	.95104	580.8	.00301	.000425	.00294	.000416	
314	4.0	1.0	1.6	.94214	583.1	.00329	.000465	.00325	.000459	
315	4.0	.5	1.1	.94826	581.5	.00362	.000512	.00362	.000512	
316	4.0	.0	.6	.96106	585.5	.00261	.000369			
317	5.0	1.5	1.1	.95327	581.8	.00299	.000423			
318	5.0	1.0	1.6	.94270	580.5	.00355	.000502	.00328	.000464	
319	5.0	.5	1.1	.94882	580.8	.00341	.000482			
321	6.0	1.5	1.1	.95383	581.8	.00298	.000421	.00297	.000420	
323	6.0	.5	1.1	.94993	582.1	.00360	.000509	.00363	.000513	
324	6.0	.0	.6	.96328	587.5	.00258	.000365			
325	8.0	1.5	1.1	.95494	588.8	.00299	.000423	.00274	.000387	
326	8.0	1.0	1.6	.94381	577.5	.00342	.000483	.00316	.000447	
327	8.0	.5	1.1	.94826	584.8	.00304	.000430	.00300	.000424	
328	8.0	.0	.6	.95828	587.5	.00231	.000326	.00246	.000348	
329	10.0	1.5	1.1	.95494	582.1	.00280	.000396	.00284	.000401	
330	10.0	1.0	1.6	.94771	583.5	.00294	.000416	.00341	.000482	
331	10.0	.5	1.1	.94826	582.1	.00322	.000455	.00288	.000407	
332	10.0	.0	.6	.95772	586.5	.00222	.000314	.00234	.000331	
333	12.0	1.5	1.1	.95494	584.5	.00272	.000384	.00277	.000391	
334	12.0	1.0	1.6	.94493	579.1	.00362	.000512	.00352	.000497	
335	12.0	.5	1.1	.94715	578.5	.00302	.000427	.00279	.000394	
336	12.0	.0	.6	.96106	584.1	.00241	.000341	.00269	.000380	
337	14.0	1.5	1.1	.95661	582.1	.00260	.000367	.00260	.000367	
339	14.0	.5	1.1	.94938	583.1	.00302	.000427	.00303	.000428	
340	14.0	.0	.6	.93213	589.5	.00239	.000338	.00218	.000308	
341	18.0	1.5	1.1	.95168	580.5	.00265	.000375	.00278	.000393	
342	18.0	1.0	1.6	.97608	579.8	.00253	.000358	.00317	.000448	
343	18.0	.5	1.1	.94882	584.1	.00283	.000400	.00293	.000414	
344	18.0	.0	.6	.94993	577.1	.00225	.000318	.00207	.000293	
345	22.0	1.5	1.1	.95772	585.1	.00246	.000348	.00251	.000355	
346	22.0	1.0	1.6	.94771	581.5	.00363	.000513	.00363	.000513	
347	22.0	.5	1.1	.94882	579.1	.00264	.000373	.00278	.000393	
348	22.0	.0	.6	.96161	583.5	.00206	.000291	.00289	.000408	
349	26.0	1.5	1.1	.95828	582.8	.00220	.000311			
350	26.0	1.0	1.6	.94715	580.5	.00361	.000510	.00361	.000510	
351	26.0	.5	1.1	.95049	580.2	.00242	.000342			
354	30.0	1.0	1.6	.94771	584.8	.00305	.000431			
355	30.0	.5	1.1	.95383	585.8	.00252	.000356	.00250	.000353	
356	30.0	.0	.6	.96273	583.8	.00204	.000288			
357	4.0	-6.0	.6	.95939	593.1	.00246	.000348			
358	8.0	-6.0	.6	.95939	586.5	.00246	.000348	.00246	.000348	
359	12.0	-6.0	.6	.95716	585.5	.00247	.000349	.00247	.000349	
360	16.0	-6.0	.6	.95883	584.1	.00261	.000369			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

11. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 10^{\circ}$ - Continued

(b) $M = 2.65$; $R = 2.53 \times 10^{6}$; $T_t = 714^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95974	581.5	.00228	.000498			.94
2	2.0	.0		.96364	583.5	.00208	.000455			.93
3	2.0	12.0		.96254	582.6	.00223	.000487			1.12
4	8.0	.0		.95807	580.1	.00220	.000481			.98
5	9.0	.0		.96198	582.5	.00215	.000470	.00209	.000457	.96
6	10.0	.0		.96477	587.8	.00280	.000612	.00296	.000647	1.25
7	11.0	.0		.96869	589.5	.00296	.000647	.00292	.000638	1.35
8	11.5	.0		.96981	588.8	.00220	.000481			.99
10	12.0	3.0		.97092	589.1	.00210	.000459			.93
11	12.0	5.0		.97037	589.8	.00259	.000566			1.26
24	14.0	-12.0		.95863	582.1	.00262	.000573			1.08
42	50.0	-8.0		.97092	583.8	.00109	.000238			.47
43	50.0	-5.0		.97260	582.8	.00081	.000177			.35
44	50.0	.0		.98043	584.8	.00027	.000059			.13
46	58.0	.0		.95136	575.1	.00197	.000431			.86
47	58.0	6.0		.94521	573.8	.00246	.000538			1.12
48	58.0	12.0		.94018	573.1	.00303	.000662			1.32
301	1.0	1.5	1.1	.95471	578.8	.00185	.000404	.00159	.000348	
302	1.0	1.0	1.6	.94689	575.1	.00235	.000514	.00243	.000531	
303	1.0	.5	1.1	.95583	581.1	.00222	.000485	.00210	.000459	
304	1.0	.0	.6	.97037	587.8	.00171	.000374			
305	2.0	1.5	1.1	.95918	583.8	.00193	.000422	.00192	.000420	
306	2.0	1.0	1.6	.94912	579.1	.00252	.000551	.00220	.000481	
307	2.0	.5	1.1	.95863	588.1	.00226	.000494	.00250	.000546	
308	2.0	.0	.6	.96701	588.1	.00174	.000380	.00195	.000426	
309	3.0	1.5	1.1	.96254	585.1	.00183	.000400	.00183	.000400	
310	3.0	1.0	1.6	.95359	578.1	.00245	.000536	.00219	.000479	
311	3.0	.5	1.1	.96030	582.5	.00244	.000533	.00244	.000533	
312	3.0	.0	.6	.96981	589.1	.00172	.000376	.00203	.000444	
313	4.0	1.5	1.1	.96310	584.1	.00195	.000426	.00188	.000411	
314	4.0	1.0	1.6	.95527	583.1	.00223	.000487	.00203	.000444	
315	4.0	.5	1.1	.96030	586.1	.00223	.000487	.00210	.000459	
316	4.0	.0	.6	.97204	586.8	.00169	.000369			
317	5.0	1.5	1.1	.96533	583.5	.00204	.000446			
318	5.0	1.0	1.6	.95583	579.5	.00244	.000533	.00221	.000483	
319	5.0	.5	1.1	.96142	582.8	.00221	.000483			
321	6.0	1.5	1.1	.96589	583.5	.00187	.000409	.00186	.000407	
323	6.0	.5	1.1	.96254	585.8	.00222	.000485	.00225	.000492	
324	6.0	.0	.6	.97260	589.1	.00185	.000404			
325	8.0	1.5	1.1	.96701	584.5	.00187	.000409	.00197	.000431	
326	8.0	1.0	1.6	.95751	580.1	.00225	.000492	.00204	.000446	
327	8.0	.5	1.1	.96142	585.5	.00193	.000422	.00188	.000411	
328	8.0	.0	.6	.97037	588.1	.00154	.000337	.00170	.000372	
329	10.0	1.5	1.1	.96757	585.8	.00170	.000372	.00178	.000389	
330	10.0	1.0	1.6	.95974	583.8	.00222	.000485	.00213	.000466	
331	10.0	.5	1.1	.96254	585.5	.00183	.000400	.00177	.000387	
332	10.0	.0	.6	.96981	587.1	.00144	.000315	.00152	.000332	
333	12.0	1.5	1.1	.96701	584.1	.00187	.000409	.00189	.000413	
334	12.0	1.0	1.6	.95863	581.5	.00226	.000494	.00217	.000474	
335	12.0	.5	1.1	.96086	582.8	.00184	.000402	.00165	.000361	
336	12.0	.0	.6	.97260	587.1	.00145	.000317	.00169	.000369	
337	14.0	1.5	1.1	.96869	584.1	.00157	.000343	.00157	.000343	
339	14.0	.5	1.1	.96310	586.5	.00193	.000422	.00194	.000424	
340	14.0	.0	.6	.97037	584.1	.00127	.000278	.00129	.000282	
341	18.0	1.5	1.1	.96477	584.8	.00155	.000339	.00169	.000369	
342	18.0	1.0	1.6	.95863	581.1	.00210	.000459	.00274	.000599	
343	18.0	.5	1.1	.96030	584.1	.00184	.000402	.00190	.000415	
344	18.0	.0	.6	.96198	579.5	.00151	.000330	.00137	.000299	
345	22.0	1.5	1.1	.97037	587.8	.00153	.000334	.00160	.000350	
346	22.0	1.0	1.6	.96086	585.1	.00223	.000487	.00221	.000483	
347	22.0	.5	1.1	.96254	584.5	.00164	.000358	.00143	.000313	
348	22.0	.0	.6	.97316	586.8	.00125	.000273			
349	26.0	1.5	1.1	.97148	585.5	.00136	.000297			
350	26.0	1.0	1.6	.96086	585.8	.00203	.000444	.00203	.000444	
351	26.0	.5	1.1	.96477	583.2	.00171	.000374			
354	30.0	1.0	1.6	.96198	585.8	.00193	.000422			
355	30.0	.5	1.1	.96757	585.8	.00171	.000374	.00169	.000369	
356	30.0	.0	.6	.97596	587.8	.00121	.000265			
357	4.0	-6.0	.6	.96981	586.5	.00187	.000409			
358	8.0	-6.0	.6	.97092	587.5	.00158	.000345	.00158	.000345	
359	12.0	-6.0	.6	.96925	586.5	.00159	.000348	.00159	.000348	
360	16.0	-6.0	.6	.97092	587.5	.00158	.000345			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

11. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 10^{\circ}$ - Continued

(c) $M = 2.65$; $R = 1.27 \times 10^6$; $T_t = 716^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.96436	583.1	.00128	.000557			1.00
2	2.0	.0		.96881	586.5	.00114	.000496			.90
3	2.0	12.0		.96825	585.8	.00125	.000544			1.13
4	8.0	.0		.96547	585.1	.00120	.000522			.94
5	9.0	.0		.96992	585.8	.00125	.000544	.00124	.000540	.98
6	10.0	.0		.97159	589.5	.00167	.000727	.00170	.000740	1.31
7	11.0	.0		.97605	591.1	.00161	.000701	.00163	.000709	1.26
8	11.5	.0		.97828	590.8	.00108	.000470			.84
10	12.0	3.0		.97883	591.1	.00118	.000513			.98
11	12.0	5.0		.97716	591.8	.00140	.000609			1.17
24	14.0	-12.0		.96491	583.8	.00139	.000605			1.09
42	50.0	-8.0		.98162	589.5	.00063	.000274			.49
43	50.0	-5.0		.98218	588.8	.00036	.000157			.28
46	58.0	.0		.96268	580.5	.00102	.000444			.84
47	58.0	6.0		.95656	578.5	.00134	.000583			1.05
48	58.0	12.0		.94932	575.8	.00164	.000714			1.23
301	1.0	1.5	1.1	.97215	585.5	.00087	.000379	.00069	.000300	
302	1.0	1.0	1.6	.96603	584.8	.00126	.000548	.00108	.000470	
303	1.0	.5	1.1	.97327	587.1	.00118	.000513	.00108	.000470	
304	1.0	.0	.6	.98719	594.1	.00068	.000296			
305	2.0	1.5	1.1	.97661	589.5	.00100	.000435	.00100	.000435	
306	2.0	1.0	1.6	.96881	586.5	.00120	.000522	.00096	.000418	
307	2.0	.5	1.1	.97661	591.5	.00125	.000544	.00139	.000605	
308	2.0	.0	.6	.98273	593.8	.00087	.000379	.00096	.000418	
309	3.0	1.5	1.1	.98106	594.1	.00087	.000379	.00088	.000383	
310	3.0	1.0	1.6	.97382	587.8	.00118	.000513	.00100	.000435	
311	3.0	.5	1.1	.97883	591.1	.00118	.000513	.00120	.000522	
312	3.0	.0	.6	.98607	594.1	.00091	.000396	.00119	.000518	
313	4.0	1.5	1.1	.98162	591.5	.00090	.000392	.00085	.000370	
314	4.0	1.0	1.6	.97549	590.8	.00110	.000479	.00096	.000418	
315	4.0	.5	1.1	.97939	591.1	.00118	.000513	.00111	.000483	
316	4.0	.0	.6	.98830	595.8	.00081	.000352			
317	5.0	1.5	1.1	.98385	592.5	.00084	.000365			
318	5.0	1.0	1.6	.97661	589.5	.00118	.000513	.00101	.000439	
319	5.0	.5	1.1	.98106	591.8	.00096	.000418			
321	6.0	1.5	1.1	.98440	592.8	.00083	.000361	.00083	.000361	
323	6.0	.5	1.1	.98329	593.5	.00117	.000509	.00119	.000518	
324	6.0	.0	.6	.99053	596.5	.00073	.000318			
325	8.0	1.5	1.1	.98607	595.1	.00086	.000374	.00085	.000370	
326	8.0	1.0	1.6	.98050	591.1	.00117	.000509	.00103	.000448	
327	8.0	.5	1.1	.98385	592.8	.00099	.000431	.00097	.000422	
328	8.0	.0	.6	.98997	595.5	.00070	.000305	.00083	.000361	
329	10.0	1.5	1.1	.98663	593.8	.00082	.000357	.00081	.000352	
330	10.0	1.0	1.6	.98273	592.8	.00117	.000509	.00111	.000483	
331	10.0	.5	1.1	.98552	593.8	.00086	.000374	.00085	.000370	
332	10.0	.0	.6	.98997	595.1	.00062	.000270	.00071	.000309	
333	12.0	1.5	1.1	.98663	593.8	.00081	.000352	.00081	.000352	
334	12.0	1.0	1.6	.98106	592.1	.00118	.000513	.00112	.000487	
335	12.0	.5	1.1	.98273	592.1	.00099	.000431	.00088	.000383	
336	12.0	.0	.6	.99053	595.5	.00063	.000274	.00079	.000344	
337	14.0	1.5	1.1	.98830	594.5	.00076	.000331	.00076	.000331	
339	14.0	.5	1.1	.98552	593.8	.00099	.000431	.00100	.000435	
340	14.0	.0	.6	.98830	593.8	.00060	.000261	.00057	.000248	
341	18.0	1.5	1.1	.98496	592.8	.00078	.000339	.00093	.000405	
342	18.0	1.0	1.6	.98106	591.8	.00117	.000509			
343	18.0	.5	1.1	.98329	592.5	.00091	.000396	.00101	.000439	
344	18.0	.0	.6	.98218	590.1	.00063	.000274			
345	22.0	1.5	1.1	.99109	596.1	.00077	.000335	.00089	.000387	
346	22.0	1.0	1.6	.98440	593.8	.00096	.000418	.00091	.000396	
347	22.0	.5	1.1	.98552	593.1	.00081	.000352	.00069	.000300	
348	22.0	.0	.6	.99276	596.1	.00061	.000265			
349	26.0	1.5	1.1	.99276	596.8	.00074	.000322			
350	26.0	1.0	1.6	.98440	594.5	.00100	.000435	.00100	.000435	
351	26.0	.5	1.1	.98830	594.8	.00073	.000318			
354	30.0	1.0	1.6	.98607	595.1	.00099	.000431			
355	30.0	.5	1.1	.99164	596.5	.00080	.000348	.00084	.000365	
356	30.0	.0	.6	.99554	597.8	.00056	.000244			
357	4.0	-6.0	.6	.98774	594.8	.00083	.000361			
358	8.0	-6.0	.6	.98941	595.8	.00073	.000318	.00073	.000318	
359	12.0	-6.0	.6	.98774	594.5	.00078	.000339	.00078	.000339	
360	16.0	-6.0	.6	.98997	595.8	.00072	.000313			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

11. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 10^{o}$ - Continued

(d) $M = 3.51$; $R = 3.90 \times 10^{6}$; $T_t = 719^{o}$ R

Thermo-couple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St,\,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.94792	572.5	.00169	.000332			.97
2	2.0	.0		.95240	575.1	.00179	.000352			1.04
3	2.0	12.0		.95240	576.1	.00181	.000356			.92
4	8.0	.0		.94736	571.8	.00168	.000330			.95
5	9.0	.0		.94792	572.5	.00169	.000332	.00161	.000317	.88
6	10.0	.0		.95576	577.1	.00172	.000338	.00169	.000332	.90
7	11.0	.0		.96024	583.1	.00234	.000460	.00249	.000490	1.23
8	11.5	.0		.96360	582.8	.00174	.000342			.92
10	12.0	3.0		.96472	583.8	.00174	.000342			.90
11	12.0	5.0		.96192	588.1	.00220	.000433			1.12
24	14.0	-12.0		.94792	573.1	.00190	.000374			1.00
42	50.0	-8.0		.97368	582.8	.00079	.000155			.45
43	50.0	-5.0		.97424	582.5	.00069	.000136			.36
46	58.0	.0		.94288	568.1	.00151	.000297			.82
47	58.0	6.0		.93280	563.8	.00194	.000381			.97
48	58.0	12.0		.92944	564.5	.00229	.000450			1.00
301	1.0	1.5	1.1	.94232	568.5	.00180	.000354	.00165	.000324	
302	1.0	1.0	1.6	.92944	566.1	.00230	.000452	.00202	.000397	
303	1.0	.5	1.1	.94008	568.1	.00182	.000358	.00165	.000324	
304	1.0	.0	.6	.95912	577.5	.00143	.000281	.00195	.000383	
305	2.0	1.5	1.1	.94680	573.1	.00165	.000324	.00161	.000317	
306	2.0	1.0	1.6	.93448	568.1	.00205	.000403	.00162	.000319	
307	2.0	.5	1.1	.94680	573.1	.00199	.000391	.00211	.000415	
308	2.0	.0	.6	.95856	577.8	.00138	.000271			
309	3.0	1.5	1.1	.95352	576.5	.00163	.000321	.00169	.000332	
310	3.0	1.0	1.6	.94064	569.5	.00234	.000460	.00202	.000397	
311	3.0	.5	1.1	.94904	574.8	.00186	.000366	.00214	.000421	
312	3.0	.0	.6	.96192	580.1	.00138	.000271			
313	4.0	1.5	1.1	.95464	577.8	.00164	.000322	.00163	.000321	
314	4.0	1.0	1.6	.94456	574.8	.00186	.000366	.00160	.000315	
315	4.0	.5	1.1	.95072	575.1	.00197	.000387	.00188	.000370	
316	4.0	.0	.6	.96584	581.1	.00121	.000238			
317	5.0	1.5	1.1	.95856	578.2	.00162	.000319			
318	5.0	1.0	1.6	.94680	575.8	.00177	.000348	.00147	.000289	
319	5.0	.5	1.1	.95352	576.2	.00175	.000344			
321	6.0	1.5	1.1	.96024	579.8	.00139	.000273	.00139	.000273	
323	6.0	.5	1.1	.95576	579.5	.00165	.000324	.00168	.000330	
324	6.0	.0	.6	.96920	583.5	.00142	.000279			
325	8.0	1.5	1.1	.96136	579.5	.00160	.000315	.00161	.000317	
326	8.0	1.0	1.6	.95240	575.1	.00180	.000354	.00158	.000311	
327	8.0	.5	1.1	.95744	579.5	.00163	.000321	.00154	.000303	
328	8.0	.0	.6	.96976	584.5	.00127	.000250	.00158	.000311	
329	10.0	1.5	1.1	.96304	582.5	.00137	.000269	.00136	.000267	
330	10.0	1.0	1.6	.95576	577.8	.00196	.000385	.00188	.000370	
331	10.0	.5	1.1	.95968	580.1	.00151	.000297	.00142	.000279	
332	10.0	.0	.6	.96976	582.5	.00125	.000246	.00145	.000285	
333	12.0	1.5	1.1	.96304	580.1	.00143	.000281	.00145	.000285	
334	12.0	1.0	1.6	.95352	579.1	.00175	.000344	.00150	.000295	
335	12.0	.5	1.1	.95744	579.5	.00139	.000273	.00118	.000232	
336	12.0	.0	.6	.97144	583.5	.00115	.000226	.00143	.000281	
337	14.0	1.5	1.1	.96528	581.8	.00127	.000250	.00127	.000250	
339	14.0	.5	1.1	.95968	578.8	.00160	.000315	.00161	.000317	
340	14.0	.0	.6	.96920	581.5	.00109	.000214	.00120	.000236	
341	18.0	1.5	1.1	.96416	581.8	.00120	.000236	.00129	.000254	
342	18.0	1.0	1.6	.96024	579.1	.00147	.000289			
343	18.0	.5	1.1	.96024	578.1	.00143	.000281	.00143	.000281	
344	18.0	.0	.6	.96248	577.1	.00110	.000216	.00100	.000197	
345	22.0	1.5	1.1	.96752	582.8	.00127	.000250	.00133	.000262	
346	22.0	1.0	1.6	.95912	581.5	.00148	.000291	.00139	.000273	
347	22.0	.5	1.1	.96192	579.8	.00128	.000252	.00114	.000224	
348	22.0	.0	.6	.97256	583.8	.00087	.000171			
349	26.0	1.5	1.1	.96976	582.5	.00115	.000226			
350	26.0	1.0	1.6	.96080	581.1	.00162	.000319	.00162	.000319	
351	26.0	.5	1.1	.96360	579.8	.00127	.000250			
354	30.0	1.0	1.6	.96024	582.1	.00148	.000291			
355	30.0	.5	1.1	.96752	581.8	.00119	.000234	.00120	.000236	
356	30.0	.0	.6	.97480	583.8	.00085	.000167			
357	4.0	-6.0	.6	.96360	581.5	.00128	.000252			
358	8.0	-6.0	.6	.96696	582.1	.00116	.000228	.00116	.000228	
359	12.0	-6.0	.6	.96696	581.8	.00116	.000228	.00116	.000228	
360	16.0	-6.0	.6	.96976	583.1	.00115	.000226			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

11. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 10^{\circ}$ - Continued

(e) M = 3.51; $R = 2.75 \times 10^6$; $T_t = 716^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. [a]	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h [b]	N_{St}	h_c [b]	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95184	573.1	.00130	.000363			1.00
2	2.0	.0		.95688	577.1	.00127	.000355			1.02
3	2.0	12.0		.95688	576.8	.00142	.000397			1.04
4	8.0	.0		.95128	572.5	.00125	.000349			.96
5	9.0	.0		.95296	573.5	.00124	.000346	.00116	.000324	.93
6	10.0	.0		.96136	578.8	.00139	.000388	.00140	.000391	1.04
7	11.0	.0		.96528	583.8	.00191	.000534	.00202	.000564	1.44
8	11.5	.0		.96864	584.8	.00140	.000391			1.01
10	12.0	3.0		.96976	585.8	.00123	.000344			.79
11	12.0	5.0		.96696	585.1	.00175	.000489			1.13
24	14.0	-12.0		.95184	573.5	.00145	.000405			1.08
42	50.0	-8.0		.97872	585.1	.00067	.000187			.50
43	50.0	-5.0		.98096	585.8	.00052	.000145			.40
44	50.0	.0		.98880	587.8	.00012	.000034			.09
46	58.0	.0		.94904	570.1	.00105	.000293			.77
47	58.0	6.0		.93896	565.8	.00145	.000405			.94
48	58.0	12.0		.93560	565.8	.00181	.000506			1.22
301	1.0	1.5	1.1	.95072	572.1	.00126	.000352	.00101	.000282	
302	1.0	1.0	1.6	.93896	568.8	.00154	.000430	.00129	.000360	
303	1.0	.5	1.1	.94848	572.1	.00128	.000358	.00112	.000313	
304	1.0	.0	.6	.96640	579.5	.00092	.000257			
305	2.0	1.5	1.1	.95520	574.5	.00126	.000352	.00122	.000341	
306	2.0	1.0	1.6	.94512	570.1	.00160	.000447	.00128	.000358	
307	2.0	.5	1.1	.95576	577.1	.00128	.000358	.00139	.000388	
308	2.0	.0	.6	.96584	580.8	.00093	.000260	.00121	.000338	
309	3.0	1.5	1.1	.96248	579.5	.00115	.000321	.00120	.000335	
310	3.0	1.0	1.6	.95128	573.8	.00144	.000402	.00121	.000338	
311	3.0	.5	1.1	.95912	578.1	.00142	.000397	.00143	.000399	
312	3.0	.0	.6	.96976	582.5	.00108	.000302	.00131	.000366	
313	4.0	1.5	1.1	.96416	579.8	.00125	.000349	.00122	.000341	
314	4.0	1.0	1.6	.95576	576.1	.00142	.000397	.00125	.000349	
315	4.0	.5	1.1	.96136	578.8	.00126	.000352	.00118	.000330	
316	4.0	.0	.6	.97368	584.1	.00091	.000254			
317	5.0	1.5	1.1	.96808	581.8	.00108	.000302			
318	5.0	1.0	1.6	.95856	577.1	.00121	.000338	.00104	.000291	
319	5.0	.5	1.1	.96360	579.8	.00125	.000349			
321	6.0	1.5	1.1	.97032	582.5	.00108	.000302	.00108	.000302	
323	6.0	.5	1.1	.96696	583.5	.00125	.000349	.00128	.000358	
324	6.0	.0	.6	.97816	586.8	.00087	.000243			
325	8.0	1.5	1.1	.97088	583.1	.00108	.000302	.00106	.000296	
326	8.0	1.0	1.6	.96416	579.8	.00124	.000346	.00108	.000302	
327	8.0	.5	1.1	.96864	583.5	.00114	.000318	.00107	.000299	
328	8.0	.0	.6	.97928	586.8	.00090	.000251	.00115	.000321	
329	10.0	1.5	1.1	.97256	583.8	.00107	.000299	.00103	.000288	
330	10.0	1.0	1.6	.96752	583.5	.00125	.000349	.00120	.000335	
331	10.0	.5	1.1	.97088	583.1	.00108	.000302	.00101	.000282	
332	10.0	.0	.6	.97928	586.5	.00076	.000212	.00095	.000265	
333	12.0	1.5	1.1	.97256	584.8	.00092	.000257	.00092	.000257	
334	12.0	1.0	1.6	.96528	583.1	.00118	.000330	.00107	.000299	
335	12.0	.5	1.1	.96808	581.5	.00108	.000302	.00093	.000260	
336	12.0	.0	.6	.97984	586.8	.00076	.000212	.00102	.000285	
337	14.0	1.5	1.1	.97480	585.5	.00092	.000257	.00092	.000257	
339	14.0	.5	1.1	.97032	585.1	.00101	.000282	.00102	.000285	
340	14.0	.0	.6	.97760	585.1	.00066	.000184	.00072	.000201	
341	18.0	1.5	1.1	.97312	584.5	.00092	.000257	.00097	.000271	
342	18.0	1.0	1.6	.97144	584.1	.00114	.000318			
343	18.0	.5	1.1	.97144	583.1	.00108	.000302	.00110	.000307	
344	18.0	.0	.6	.97256	581.8	.00066	.000184	.00053	.000148	
345	22.0	1.5	1.1	.97816	586.1	.00090	.000251	.00094	.000263	
346	22.0	1.0	1.6	.97088	583.8	.00124	.000346	.00117	.000327	
347	22.0	.5	1.1	.97368	583.8	.00083	.000232	.00072	.000201	
348	22.0	.0	.6	.98208	587.1	.00068	.000190			
349	26.0	1.5	1.1	.98040	587.2	.00079	.000221			
350	26.0	1.0	1.6	.97256	584.8	.00108	.000302	.00108	.000302	
351	26.0	.5	1.1	.97536	584.8	.00091	.000254			
354	30.0	1.0	1.6	.97256	584.5	.00108	.000302			
355	30.0	.5	1.1	.97928	586.8	.00090	.000251	.00093	.000260	
356	30.0	.0	.6	.98432	588.1	.00058	.000162			
357	4.0	-6.0	.6	.97200	583.1	.00089	.000249			
358	8.0	-6.0	.6	.97536	584.5	.00082	.000229	.00082	.000229	
359	12.0	-6.0	.6	.97536	584.5	.00079	.000221	.00079	.000221	
360	16.0	-6.0	.6	.97760	585.8	.00079	.000221			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

11. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 10^{o}$ - Continued

(f) M = 3.51; R = 1.59×10^{6}; $T_t = 713^{o}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, ^{o}R	h (b)	N_{St}	h_c (b)	$N_{St, c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.95464	572.1	.00083	.000403			.94
2	2.0	.0		.95968	575.1	.00082	.000399			.94
3	2.0	12.0		.95968	575.5	.00083	.000403			.95
4	8.0	.0		.95520	572.1	.00083	.000403			1.06
5	9.0	.0		.95800	573.8	.00080	.000389	.00072	.000350	.91
6	10.0	.0		.96584	579.8	.00095	.000462	.00101	.000491	1.08
7	11.0	.0		.96864	582.8	.00120	.000583	.00132	.000642	1.58
8	11.5	.0		.97088	582.8	.00081	.000394			1.00
10	12.0	3.0		.97200	584.1	.00089	.000433			1.01
11	12.0	5.0		.97088	585.1	.00120	.000583			1.45
24	14.0	-12.0		.95408	572.5	.00095	.000462			1.09
42	50.0	-8.0		.98040	584.8	.00046	.000224			.53
43	50.0	-5.0		.98432	586.5	.00037	.000180			.42
46	58.0	.0		.95184	569.8	.00070	.000340			.89
47	58.0	6.0		.96624	567.5	.00094	.000457			1.08
48	58.0	12.0		.94288	566.5	.00117	.000569			1.27
301	1.0	1.5	1.1	.95632	572.1	.00064	.000311	.00050	.000243	
302	1.0	1.0	1.6	.94792	568.8	.00091	.000442	.00070	.000340	
303	1.0	.5	1.1	.95520	572.1	.00077	.000374	.00062	.000301	
304	1.0	.0	.6	.97088	580.5	.00045	.000219			
305	2.0	1.5	1.1	.96136	575.1	.00066	.000321	.00059	.000287	
306	2.0	1.0	1.6	.95352	572.1	.00086	.000418	.00061	.000296	
307	2.0	.5	1.1	.96192	576.5	.00069	.000335	.00075	.000365	
308	2.0	.0	.6	.96976	579.8	.00057	.000277	.00078	.000379	
309	3.0	1.5	1.1	.96864	579.1	.00064	.000311	.00068	.000331	
310	3.0	1.0	1.6	.96080	575.8	.00097	.000471	.00081	.000394	
311	3.0	.5	1.1	.96640	578.8	.00077	.000374	.00077	.000374	
312	3.0	.0	.6	.97424	582.5	.00058	.000282	.00080	.000389	
313	4.0	1.5	1.1	.97088	581.1	.00073	.000355	.00069	.000335	
314	4.0	1.0	1.6	.96528	578.5	.00084	.000408	.00071	.000345	
315	4.0	.5	1.1	.96920	580.5	.00078	.000379	.00073	.000355	
316	4.0	.0	.6	.97872	584.8	.00050	.000243			
317	5.0	1.5	1.1	.97536	583.5	.00069	.000335			
318	5.0	1.0	1.6	.96752	579.8	.00083	.000403	.00066	.000321	
319	5.0	.5	1.1	.97144	581.5	.00062	.000301			
321	6.0	1.5	1.1	.97704	584.1	.00065	.000316	.00066	.000321	
323	6.0	.5	1.1	.97536	583.8	.00061	.000296	.00064	.000311	
324	6.0	.0	.6	.98376	588.1	.00053	.000258			
325	8.0	1.5	1.1	.97816	585.1	.00067	.000326	.00063	.000306	
326	8.0	1.0	1.6	.97368	582.8	.00074	.000360	.00062	.000301	
327	8.0	.5	1.1	.97704	584.5	.00072	.000350	.00065	.000316	
328	8.0	.0	.6	.98544	588.5	.00053	.000258	.00076	.000369	
329	10.0	1.5	1.1	.97984	585.8	.00058	.000282	.00052	.000253	
330	10.0	1.0	1.6	.97760	585.1	.00077	.000374	.00076	.000369	
331	10.0	.5	1.1	.97928	585.8	.00067	.000326	.00062	.000301	
332	10.0	.0	.6	.98544	588.1	.00047	.000228	.00063	.000306	
333	12.0	1.5	1.1	.98040	585.8	.00064	.000311	.00061	.000296	
334	12.0	1.0	1.6	.97536	583.8	.00075	.000365	.00068	.000331	
335	12.0	.5	1.1	.97704	584.1	.00059	.000287	.00044	.000214	
336	12.0	.0	.6	.98656	588.8	.00047	.000228			
337	14.0	1.5	1.1	.98208	586.8	.00056	.000272	.00056	.000272	
339	14.0	.5	1.1	.97928	585.8	.00059	.000287	.00060	.000292	
340	14.0	.0	.6	.98376	587.1	.00038	.000185	.00042	.000204	
341	18.0	1.5	1.1	.98096	586.1	.00053	.000258	.00058	.000282	
342	18.0	1.0	1.6	.98096	586.8	.00061	.000296			
343	18.0	.5	1.1	.97984	585.8	.00054	.000262	.00057	.000277	
344	18.0	.0	.6	.97872	583.8	.00043	.000209			
345	22.0	1.5	1.1	.98600	588.8	.00048	.000233	.00052	.000253	
346	22.0	1.0	1.6	.98040	586.8	.00060	.000292	.00055	.000267	
347	22.0	.5	1.1	.98208	586.8	.00053	.000258	.00044	.000214	
348	22.0	.0	.6	.98824	589.5	.00031	.000151			
349	26.0	1.5	1.1	.98768	589.5	.00039	.000190			
350	26.0	1.0	1.6	.98264	588.1	.00070	.000340	.00070	.000340	
351	26.0	.5	1.1	.98376	587.8	.00055	.000267			
354	30.0	1.0	1.6	.98208	587.5	.00060	.000292			
355	30.0	.5	1.1	.98768	589.8	.00050	.000243	.00056	.000272	
356	30.0	.0	.6	.99048	590.5	.00031	.000151			
357	4.0	-6.0	.6	.97704	584.1	.00057	.000277			
358	8.0	-6.0	.6	.98152	586.5	.00050	.000243	.00050	.000243	
359	12.0	-6.0	.6	.98208	586.5	.00046	.000224	.00046	.000224	
360	16.0	-6.0	.6	.98432	587.8	.00048	.000233			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-^{o}R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

11. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 10^{\circ}$ - Continued

(g) $M = 4.44$; $R = 4.43 \times 10^{6}$; $T_t = 691^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}R$	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.93060	566.1	.00078	.000199			1.07
2	2.0	.0		.93446	571.1	.00092	.000234			1.19
3	2.0	12.0		.93005	569.5	.00145	.000369			1.09
4	8.0	.0		.93005	567.5	.00103	.000262			.97
5	9.0	.0		.93115	566.5	.00086	.000219	.00070	.000178	.81
6	10.0	.0		.93721	570.8	.00131	.000334	.00128	.000326	1.68
7	11.0	.0		.94272	577.1	.00143	.000364	.00171	.000435	1.35
8	11.5	.0		.94217	574.1	.00109	.000278			1.03
10	12.0	3.0		.94823	578.5	.00110	.000280			.98
11	12.0	5.0		.94437	579.5	.00136	.000346			1.18
24	14.0	-12.0		.93170	567.5	.00086	.000219			1.04
42	50.0	-8.0		.96310	583.8	.00049	.000125			.64
43	50.0	-5.0		.96640	585.5	.00042	.000107			.49
46	58.0	.0		.92950	565.5	.00082	.000209			.77
47	58.0	6.0		.91298	559.5	.00128	.000326			1.04
48	58.0	12.0		.90637	555.1	.00170	.000433			1.13
301	1.0	1.5	1.1	.92069	559.8	.00104	.000265			
302	1.0	1.0	1.6	.90857	556.1	.00134	.000341			
303	1.0	.5	1.1	.91849	560.5	.00125	.000318	.00098	.000250	
304	1.0	.0	.6	.93831	570.1	.00085	.000216			
305	2.0	1.5	1.1	.92620	563.5	.00103	.000262	.00106	.000270	
306	2.0	1.0	1.6	.91408	557.8	.00125	.000318			
307	2.0	.5	1.1	.92565	563.5	.00091	.000232	.00101	.000257	
308	2.0	.0	.6	.93611	569.1	.00085	.000216			
309	3.0	1.5	1.1	.93391	569.1	.00101	.000257	.00111	.000283	
310	3.0	1.0	1.6	.92399	562.5	.00112	.000285			
311	3.0	.5	1.1	.93115	567.5	.00108	.000275	.00111	.000283	
312	3.0	.0	.6	.94217	572.8	.00085	.000216			
313	4.0	1.5	1.1	.93501	568.8	.00099	.000252	.00081	.000206	
314	4.0	1.0	1.6	.92675	564.5	.00116	.000295			
315	4.0	.5	1.1	.93556	571.1	.00115	.000293	.00131	.000334	
316	4.0	.0	.6	.94492	574.1	.00072	.000183			
317	5.0	1.5	1.1	.94492	574.8	.00085	.000216			
318	5.0	1.0	1.6	.93060	566.5	.00106	.000270			
319	5.0	.5	1.1	.93446	568.5	.00091	.000232			
321	6.0	1.5	1.1	.94547	575.1	.00084	.000214	.00085	.000216	
323	6.0	.5	1.1	.93996	572.5	.00102	.000260	.00111	.000283	
324	6.0	.0	.6	.95318	579.1	.00069	.000176			
325	8.0	1.5	1.1	.94382	573.8	.00084	.000214	.00065	.000166	
326	8.0	1.0	1.6	.93886	571.8	.00102	.000260	.00087	.000222	
327	8.0	.5	1.1	.94052	571.8	.00100	.000255			
328	8.0	.0	.6	.95373	578.8	.00073	.000186			
329	10.0	1.5	1.1	.94602	574.8	.00074	.000188	.00046	.000117	
330	10.0	1.0	1.6	.94657	576.1	.00104	.000265	.00126	.000321	
331	10.0	.5	1.1	.94327	573.5	.00080	.000204			
332	10.0	.0	.6	.95428	579.1	.00066	.000168			
333	12.0	1.5	1.1	.94602	575.1	.00084	.000214	.00079	.000201	
334	12.0	1.0	1.6	.93996	572.1	.00103	.000262	.00090	.000229	
335	12.0	.5	1.1	.94107	572.1	.00085	.000216			
336	12.0	.0	.6	.95483	579.5	.00064	.000163			
337	14.0	1.5	1.1	.95153	577.8	.00069	.000176	.00070	.000178	
339	14.0	.5	1.1	.94492	575.1	.00085	.000216	.00085	.000216	
340	14.0	.0	.6	.95098	576.8	.00055	.000140	.00060	.000153	
341	18.0	1.5	1.1	.94933	576.8	.00068	.000173	.00068	.000173	
342	18.0	1.0	1.6	.95263	579.5	.00090	.000229			
343	18.0	.5	1.1	.95208	579.1	.00073	.000186	.00092	.000234	
344	18.0	.0	.6	.94657	573.8	.00049	.000125			
345	22.0	1.5	1.1	.95483	579.8	.00064	.000163	.00078	.000199	
346	22.0	1.0	1.6	.94823	576.5	.00097	.000247	.00082	.000209	
347	22.0	.5	1.1	.94933	576.1	.00061	.000155			
348	22.0	.0	.6	.95704	580.1	.00060	.000153			
349	26.0	1.5	1.1	.95594	580.2	.00074	.000188			
350	26.0	1.0	1.6	.95373	580.1	.00084	.000214	.00085	.000216	
351	26.0	.5	1.1	.95208	577.8	.00068	.000173			
354	30.0	1.0	1.6	.94878	577.1	.00084	.000214			
355	30.0	.5	1.1	.95539	580.1	.00064	.000163	.00078	.000199	
357	4.0	-6.0	.6	.94217	572.5	.00072	.000183			
358	8.0	-6.0	.6	.94657	574.8	.00067	.000171	.00067	.000171	
359	12.0	-6.0	.6	.94767	574.8	.00061	.000155	.00060	.000153	
360	16.0	-6.0	.6	.95208	577.8	.00061	.000155			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in $Btu/ft^2\text{-}sec\text{-}^{\circ}R$.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Continued

11. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 10^{\circ}$ - Continued

(h) $M_t = 4.44$; $R = 3.12 \times 10^6$; $T_t = 691^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.93504	567.5	.00076	.000274			1.25
2	2.0	.0		.93835	570.1	.00070	.000253			.92
4	8.0	.0		.93504	568.1	.00072	.000260			.96
5	9.0	.0		.93670	568.8	.00062	.000224	.00052	.000188	.86
6	10.0	.0		.94495	573.8	.00100	.000361	.00102	.000368	1.41
7	11.0	.0		.94770	579.5	.00113	.000408	.00141	.000509	1.59
10	12.0	3.0		.95486	581.5	.00081	.000292			.90
11	12.0	5.0		.95101	580.1	.00137	.000495			1.52
24	14.0	-12.0		.93614	568.5	.00068	.000246			1.01
42	50.0	-8.0		.96807	586.1	.00031	.000112			.51
46	58.0	.0		.93339	566.5	.00061	.000220			.72
47	58.0	6.0		.92293	561.1	.00100	.000361			1.01
48	58.0	12.0		.91523	558.1	.00109	.000394			1.00
301	1.0	1.5	1.1	.92844	563.5	.00076	.000274	.00053	.000191	
302	1.0	1.0	1.6	.91853	558.5	.00103	.000372			
303	1.0	.5	1.1	.92679	563.1	.00091	.000329	.00069	.000249	
304	1.0	.0	.6	.94495	572.8	.00052	.000188			
305	2.0	1.5	1.1	.93339	566.5	.00076	.000274	.00072	.000260	
306	2.0	1.0	1.6	.92404	561.5	.00077	.000278			
307	2.0	.5	1.1	.93394	567.8	.00076	.000274	.00079	.000285	
308	2.0	.0	.6	.94275	571.1	.00044	.000159			
309	3.0	1.5	1.1	.94220	571.1	.00058	.000209	.00065	.000235	
310	3.0	1.0	1.6	.93449	567.5	.00072	.000260			
311	3.0	.5	1.1	.93945	570.8	.00081	.000292	.00085	.000307	
312	3.0	.0	.6	.94880	576.1	.00057	.000206			
313	4.0	1.5	1.1	.94330	572.5	.00067	.000242	.00044	.000159	
314	4.0	1.0	1.6	.93725	569.1	.00085	.000307			
315	4.0	.5	1.1	.94495	575.8	.00085	.000307	.00095	.000343	
316	4.0	.0	.6	.95211	577.5	.00049	.000177			
317	5.0	1.5	1.1	.95211	578.5	.00057	.000206			
318	5.0	1.0	1.6	.94055	571.1	.00073	.000264			
319	5.0	.5	1.1	.94385	572.8	.00067	.000242			
321	6.0	1.5	1.1	.95431	578.8	.00053	.000191	.00055	.000199	
323	6.0	.5	1.1	.94936	577.5	.00075	.000271	.00083	.000300	
324	6.0	.0	.6	.96091	583.1	.00055	.000199			
325	8.0	1.5	1.1	.95211	577.5	.00057	.000206			
326	8.0	1.0	1.6	.94936	576.1	.00077	.000278	.00069	.000249	
327	8.0	.5	1.1	.95046	576.5	.00058	.000209			
329	10.0	1.5	1.1	.95486	579.1	.00067	.000242			
330	10.0	1.0	1.6	.95651	580.8	.00067	.000242	.00095	.000343	
331	10.0	.5	1.1	.95376	578.5	.00057	.000206			
332	10.0	.0	.6	.96257	583.1	.00048	.000173			
333	12.0	1.5	1.1	.95486	579.1	.00057	.000206	.00045	.000162	
334	12.0	1.0	1.6	.95046	576.8	.00079	.000285	.00070	.000253	
335	12.0	.5	1.1	.95046	576.8	.00062	.000224			
336	12.0	.0	.6	.96257	583.5	.00043	.000155			
337	14.0	1.5	1.1	.96036	582.1	.00067	.000242	.00068	.000246	
339	14.0	.5	1.1	.95486	579.5	.00071	.000256	.00072	.000260	
340	14.0	.0	.6	.95871	581.1	.00040	.000144	.00041	.000148	
341	18.0	1.5	1.1	.95816	581.1	.00049	.000177	.00050	.000181	
342	18.0	1.0	1.6	.96257	584.1	.00063	.000227			
343	18.0	.5	1.1	.96146	582.8	.00056	.000202	.00076	.000274	
344	18.0	.0	.6	.95431	577.8	.00035	.000126			
345	22.0	1.5	1.1	.96367	584.1	.00047	.000170	.00058	.000209	
346	22.0	1.0	1.6	.95816	581.5	.00073	.000264	.00060	.000217	
347	22.0	.5	1.1	.95926	581.5	.00046	.000166			
350	26.0	1.0	1.6	.96422	584.8	.00056	.000202	.00057	.000206	
351	26.0	.5	1.1	.96202	583.5	.00051	.000184			
354	30.0	1.0	1.6	.95926	582.1	.00061	.000220			
355	30.0	.5	1.1	.96587	585.1	.00046	.000166	.00060	.000217	
356	30.0	.0	.6	.96642	585.1	.00032	.000116			
357	4.0	-6.0	.6	.94936	575.5	.00052	.000188			
358	8.0	-6.0	.6	.95431	578.1	.00066	.000238	.00066	.000238	
360	16.0	-6.0	.6	.96036	581.8	.00045	.000162			

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

TABLE III.- TABULATION OF HEAT-TRANSFER MEASUREMENTS; δ = 6.00 INCHES - Concluded

11. Corrugated Panel with Conical-Sections Leading Edge; $\alpha = 10^{\circ}$ - Concluded

(i) $M = 4.44$; $R = 2.07 \times 10^6$; $T_t = 690^{\circ}$ R

Thermocouple	x, in.	y, in.	z, in. (a)	$\frac{T_e}{T_t}$	T_w, $^{\circ}$R	h (b)	N_{St}	h_c (b)	$N_{St,c}$	$\frac{h}{h_o}$
1	2.0	-12.0		.93508	568.5	.00058	.000316			1.07
2	2.0	.0		.94003	572.1	.00051	.000277			.62
3	2.0	12.0		.93618	570.1	.00061	.000332			.88
4	8.0	.0		.93783	570.5	.00058	.000316			1.09
5	9.0	.0		.94058	571.5	.00050	.000272			.76
6	10.0	.0		.94828	576.1	.00076	.000413	.00079	.000430	1.29
7	11.0	.0		.95048	580.5	.00067	.000365			1.26
8	11.5	.0		.94993	578.8	.00063	.000343			.95
10	12.0	3.0		.95653	582.8	.00070	.000381			1.23
11	12.0	5.0		.95268	581.8	.00069	.000375			1.23
24	14.0	-12.0		.93783	569.8	.00077	.000419			
42	50.0	-8.0		.96809	586.8	.00033	.000180			.62
43	50.0	-5.0		.97029	587.8	.00025	.000136			.43
46	58.0	.0		.93398	567.1	.00047	.000256			.89
47	58.0	6.0		.93068	566.5	.00064	.000348			1.12
48	58.0	12.0		.92188	562.8	.00110	.000598			1.36
301	1.0	1.5	1.1	.93233	566.5	.00077	.000419	.00046	.000250	
302	1.0	1.0	1.6	.92408	562.1	.00060	.000326			
303	1.0	.5	1.1	.93123	566.1	.00054	.000294			
305	2.0	1.5	1.1	.93563	568.5	.00038	.000207			
306	2.0	1.0	1.6	.92958	565.1	.00053	.000288			
307	2.0	.5	1.1	.93673	569.1	.00047	.000256	.00048	.000261	
309	3.0	1.5	1.1	.94443	573.5	.00043	.000234	.00054	.000294	
310	3.0	1.0	1.6	.93893	570.5	.00051	.000277			
311	3.0	.5	1.1	.94223	572.8	.00077	.000419	.00059	.000321	
312	3.0	.0	.6	.94938	576.5	.00042	.000229	.00082	.000446	
313	4.0	1.5	1.1	.94553	574.1	.00048	.000261			
314	4.0	1.0	1.6	.94168	572.5	.00051	.000277			
315	4.0	.5	1.1	.94828	576.1	.00053	.000288	.00073	.000397	
316	4.0	.0	.6	.95323	578.5	.00040	.000218			
317	5.0	1.5	1.1	.95433	579.5	.00043	.000234			
318	5.0	1.0	1.6	.94498	574.1	.00049	.000267			
319	5.0	.5	1.1	.94663	575.2	.00047	.000256			
321	6.0	1.5	1.1	.95653	580.5	.00046	.000250	.00049	.000267	
323	6.0	.5	1.1	.95213	578.8	.00044	.000239	.00050	.000272	
324	6.0	.0	.6	.96149	583.8	.00037	.000201			
325	8.0	1.5	1.1	.95433	579.1	.00036	.000196			
326	8.0	1.0	1.6	.95323	578.8	.00050	.000272			
327	8.0	.5	1.1	.95378	579.1	.00043	.000234			
328	8.0	.0	.6	.96259	583.8	.00032	.000174			
329	10.0	1.5	1.1	.95708	580.8	.00045	.000245			
330	10.0	1.0	1.6	.96039	583.5	.00050	.000272			
331	10.0	.5	1.1	.95708	581.1	.00040	.000218			
332	10.0	.0	.6	.96424	584.8	.00037	.000201			
333	12.0	1.5	1.1	.95763	581.1	.00043	.000234			
334	12.0	1.0	1.6	.95433	580.1	.00056	.000305	.00054	.000294	
335	12.0	.5	1.1	.95433	579.5	.00040	.000218			
337	14.0	1.5	1.1	.96259	583.8	.00034	.000185	.00036	.000196	
339	14.0	.5	1.1	.95819	581.8	.00046	.000250	.00046	.000250	
341	18.0	1.5	1.1	.96039	582.8	.00032	.000174	.00031	.000169	
342	18.0	1.0	1.6	.96534	586.5	.00041	.000223			
343	18.0	.5	1.1	.96369	584.8	.00033	.000180			
344	18.0	.0	.6	.95598	579.5	.00030	.000163			
345	22.0	1.5	1.1	.96589	586.1	.00037	.000201	.00046	.000250	
346	22.0	1.0	1.6	.96149	584.1	.00046	.000250			
348	22.0	.0	.6	.96699	586.1	.00029	.000158			
350	26.0	1.0	1.6	.96754	587.5	.00046	.000250	.00047	.000256	
351	26.0	.5	1.1	.96479	585.2	.00033	.000180			
354	30.0	1.0	1.6	.96314	584.8	.00047	.000256			
355	30.0	.5	1.1	.96809	587.5	.00037	.000201			
356	30.0	.0	.6	.96809	586.5	.00029	.000158			
357	4.0	-6.0	.6	.94993	576.8	.00044	.000239			
358	8.0	-6.0	.6	.95543	579.5	.00028	.000152	.00028	.000152	

[a] Thermocouple locations for which z stations are provided are for models; x and y stations for these models are measured from model origins.

[b] h measured in Btu/ft^2-sec-$^{\circ}$R.

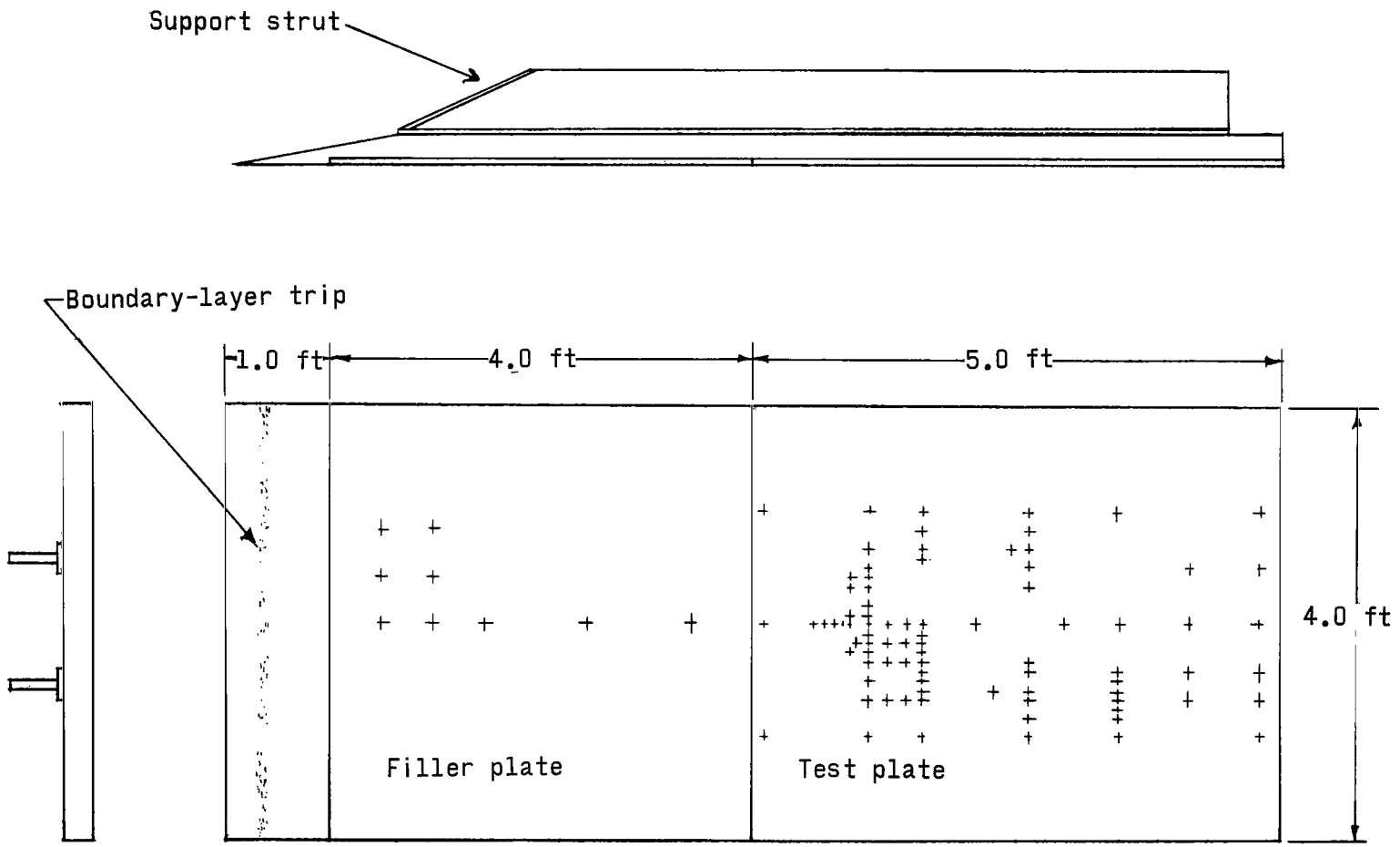
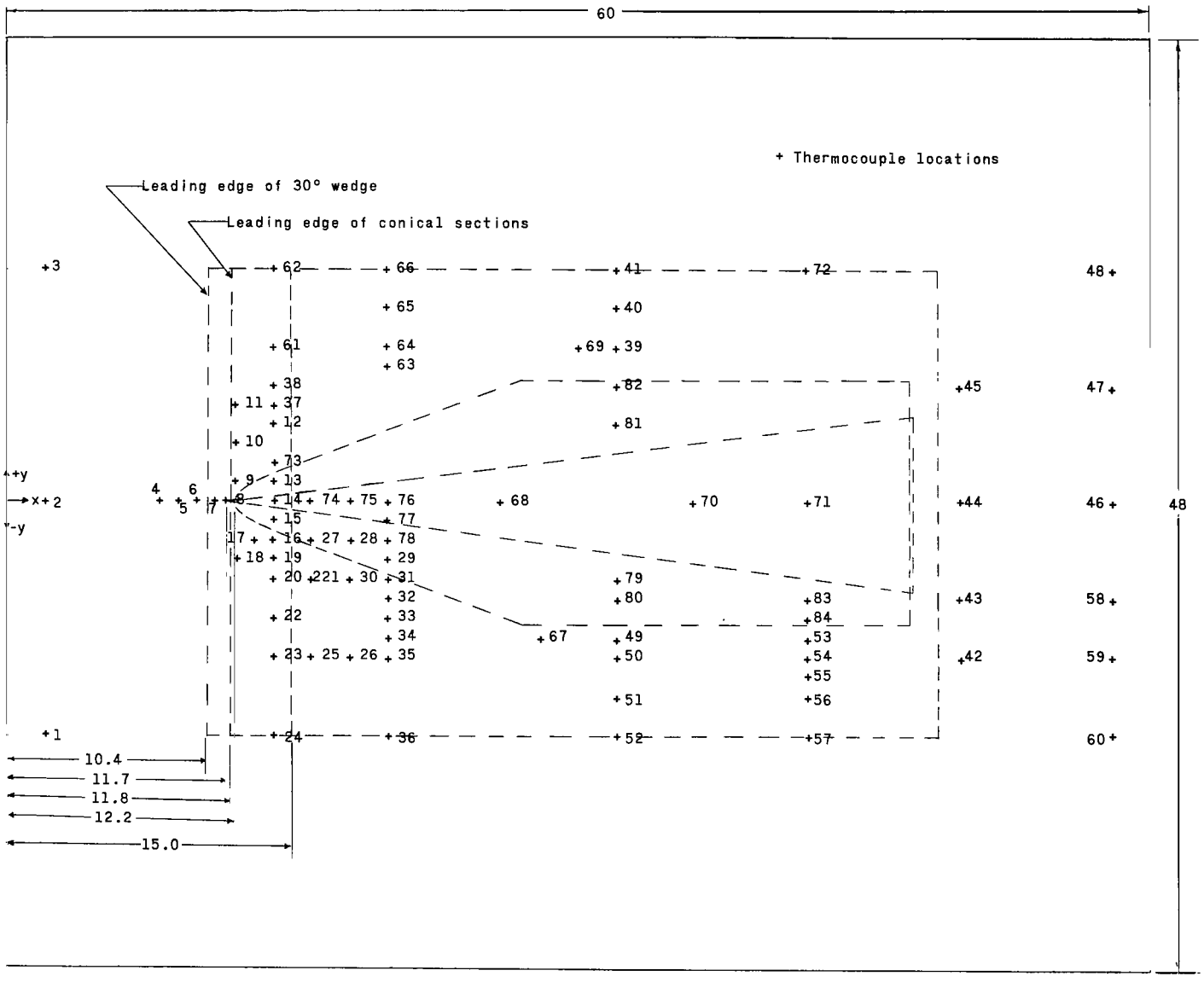
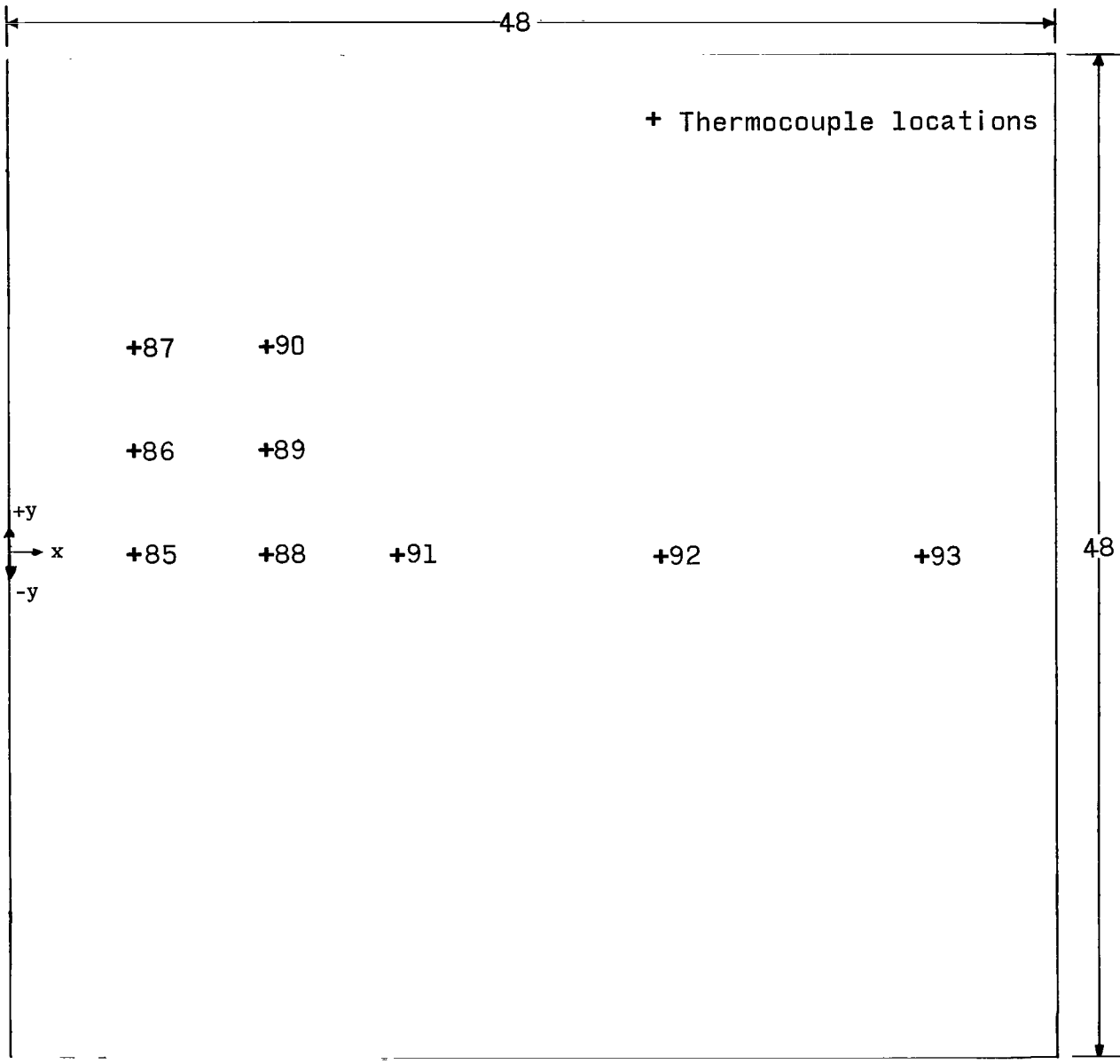


Figure 1.- Location of test plate and filler plate relative to support plate.



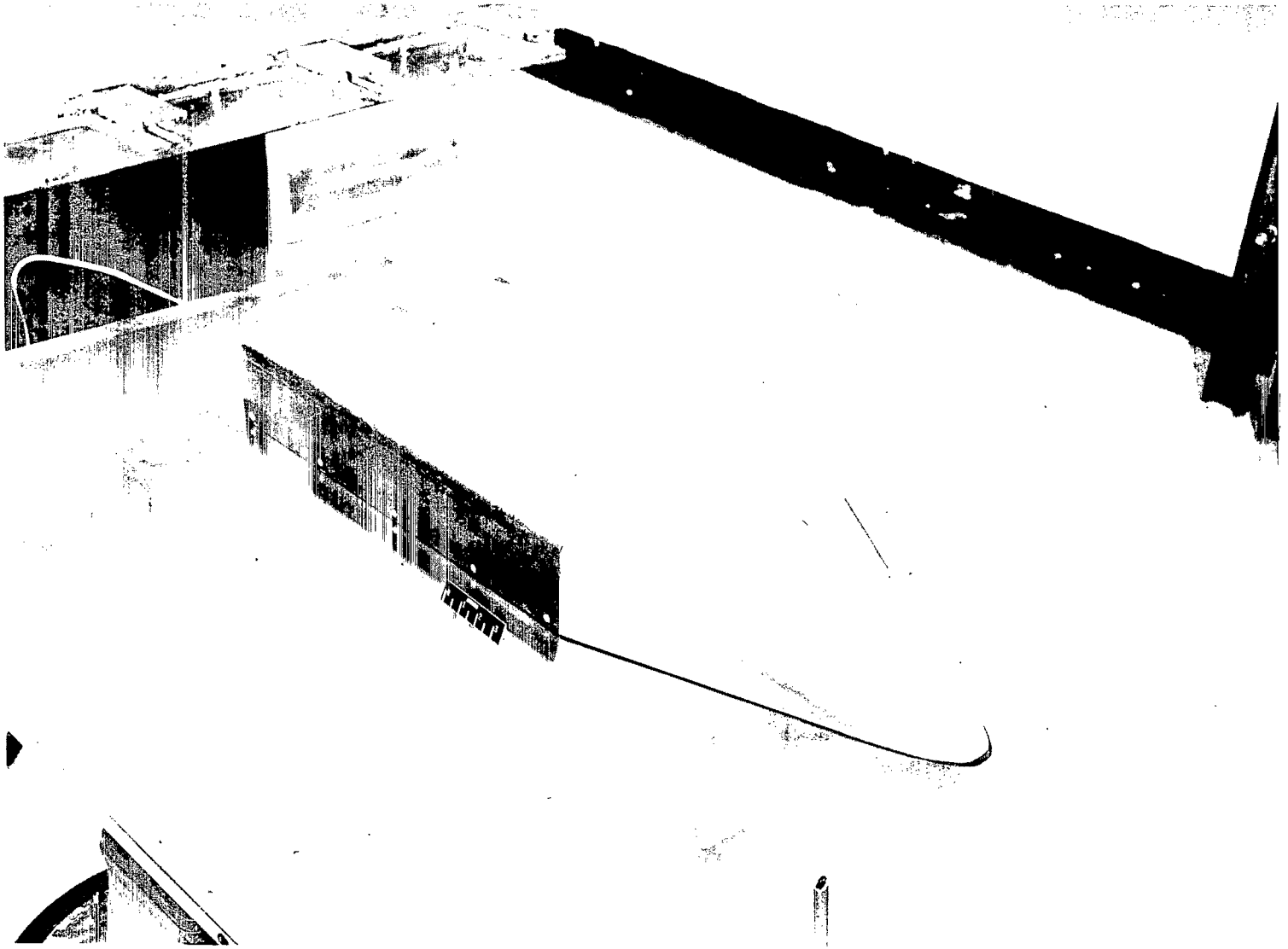
(a) Flat-plate test surface.

Figure 2.- Flat-plate test surface and filler plate, showing thermocouple locations. All dimensions are in inches.



(b) Filler plate.

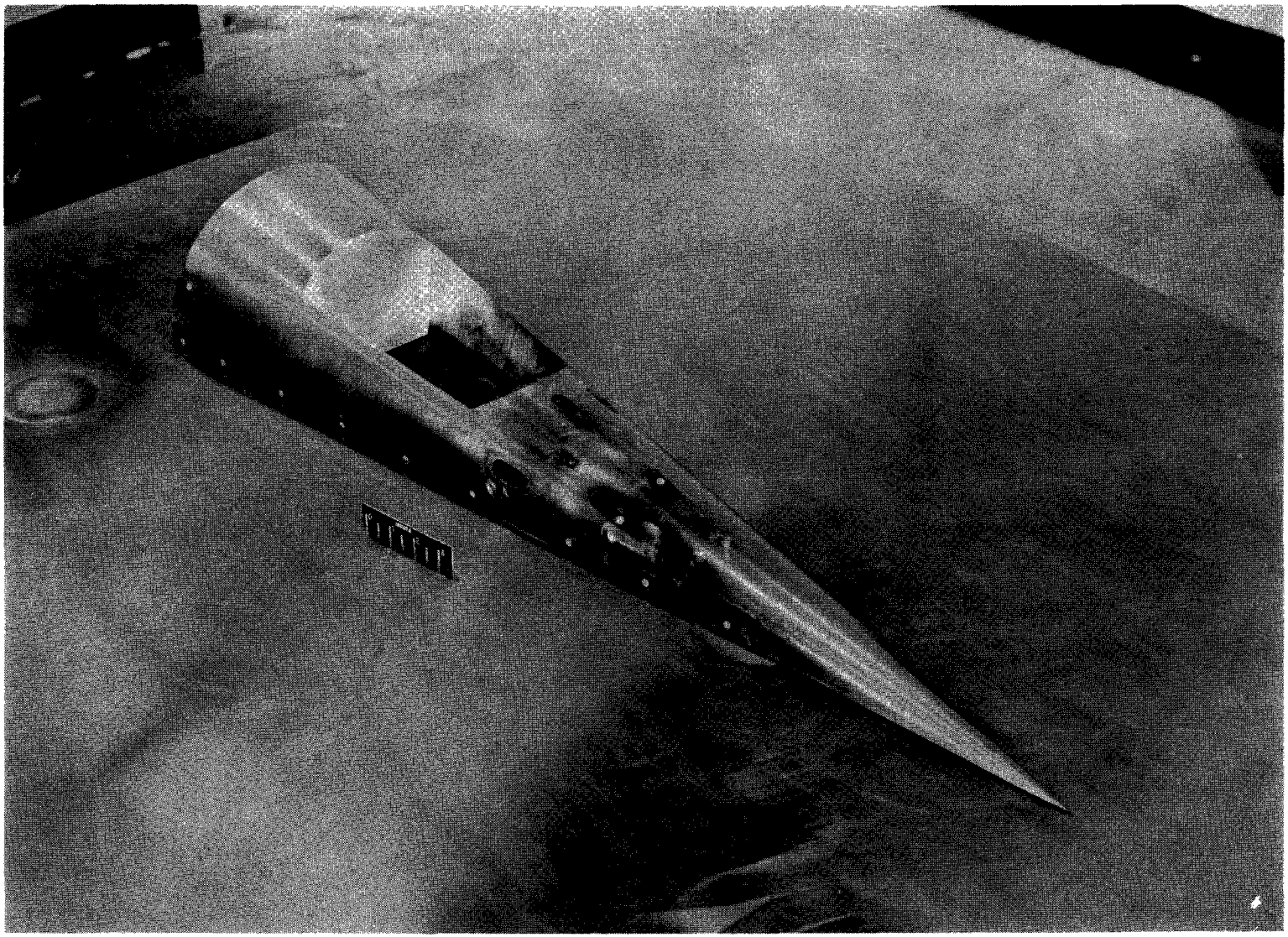
Figure 2.- Concluded.



(a) Equipment pod.

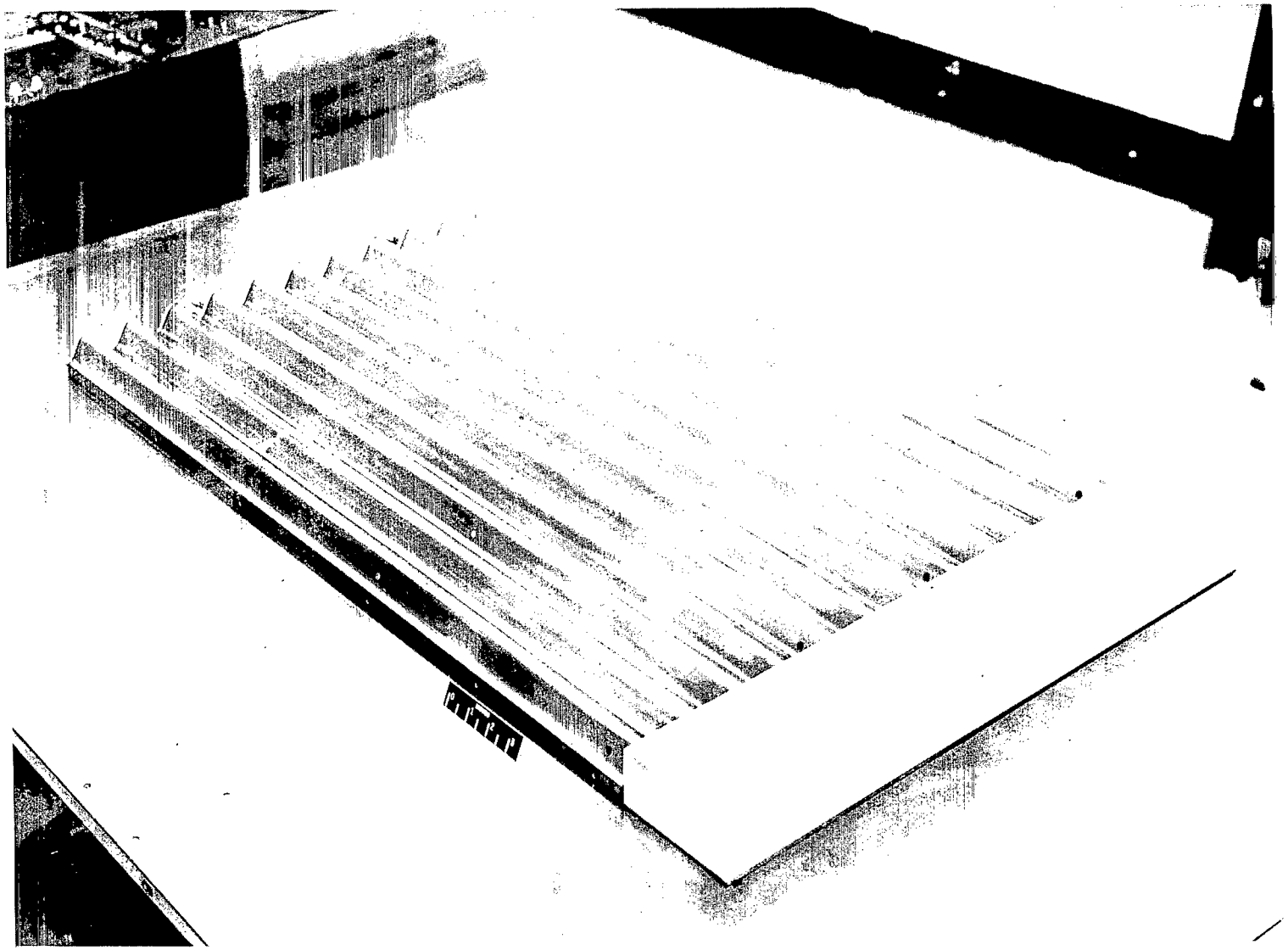
L-59-6263

Figure 3.- Protuberances mounted on flat-plate surface.



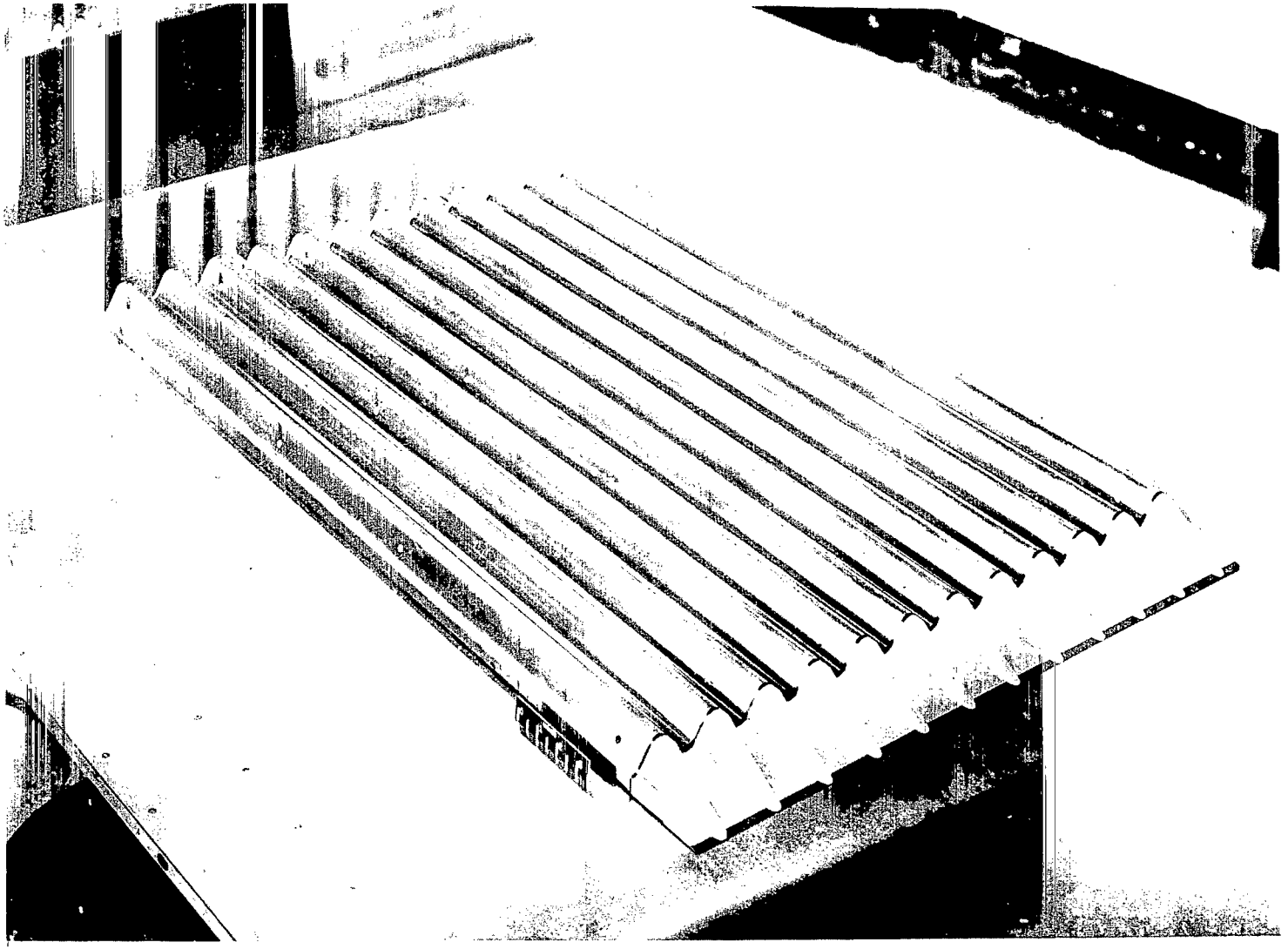
(b) Engine fairing. L-59-6262

Figure 3.- Continued.



(c) Corrugated panel with 30° wedge leading edge. L-59-6264

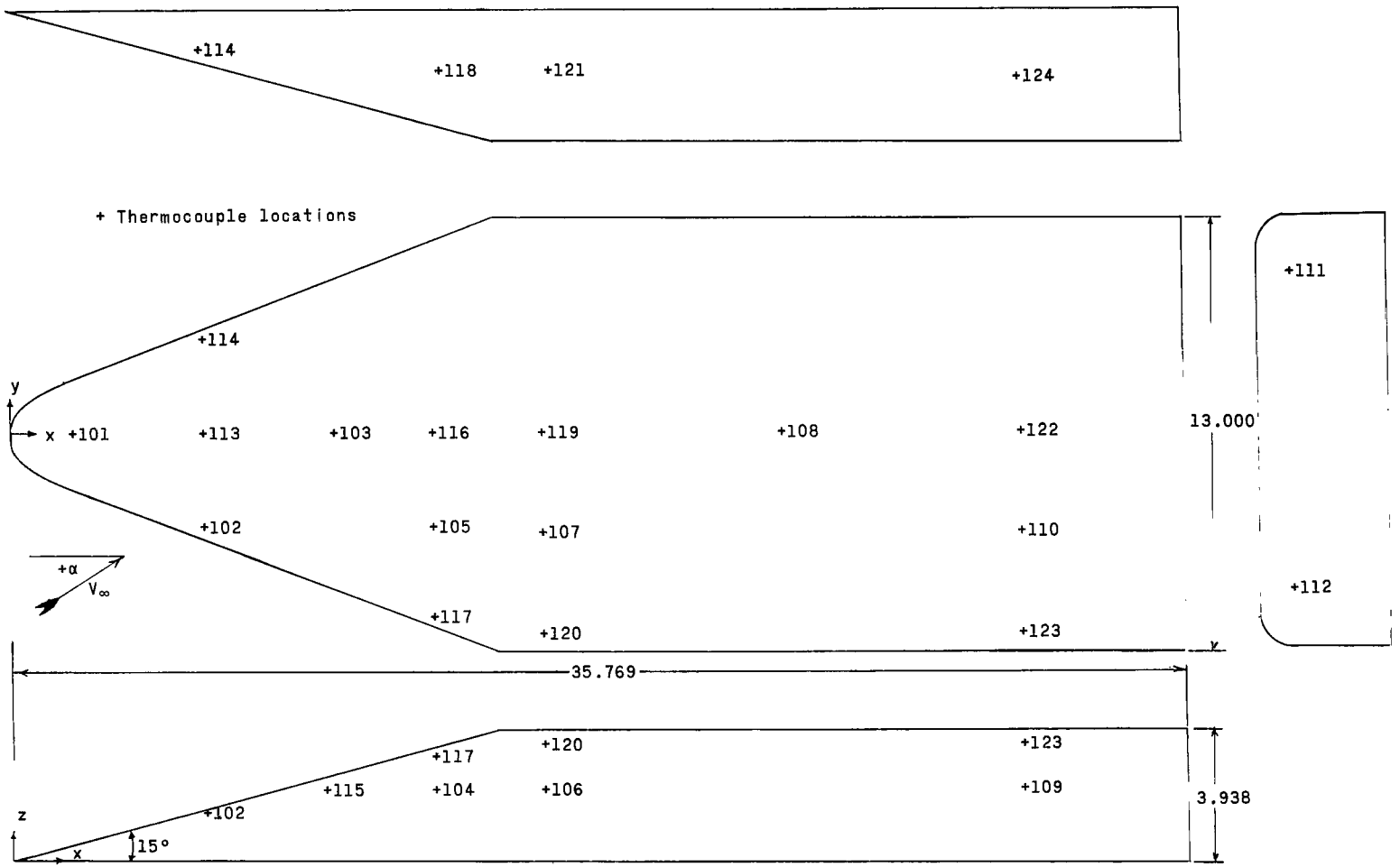
Figure 3.- Continued.



(d) Corrugated panel with conical-sections leading edge.

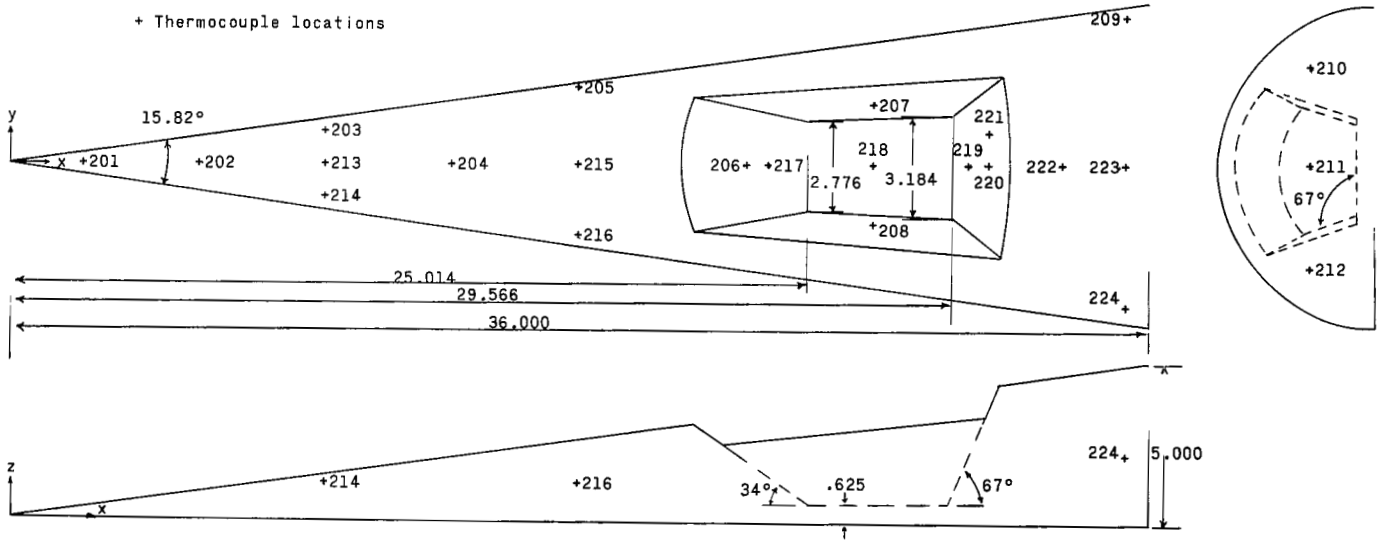
L-59-6265

Figure 3.- Concluded.



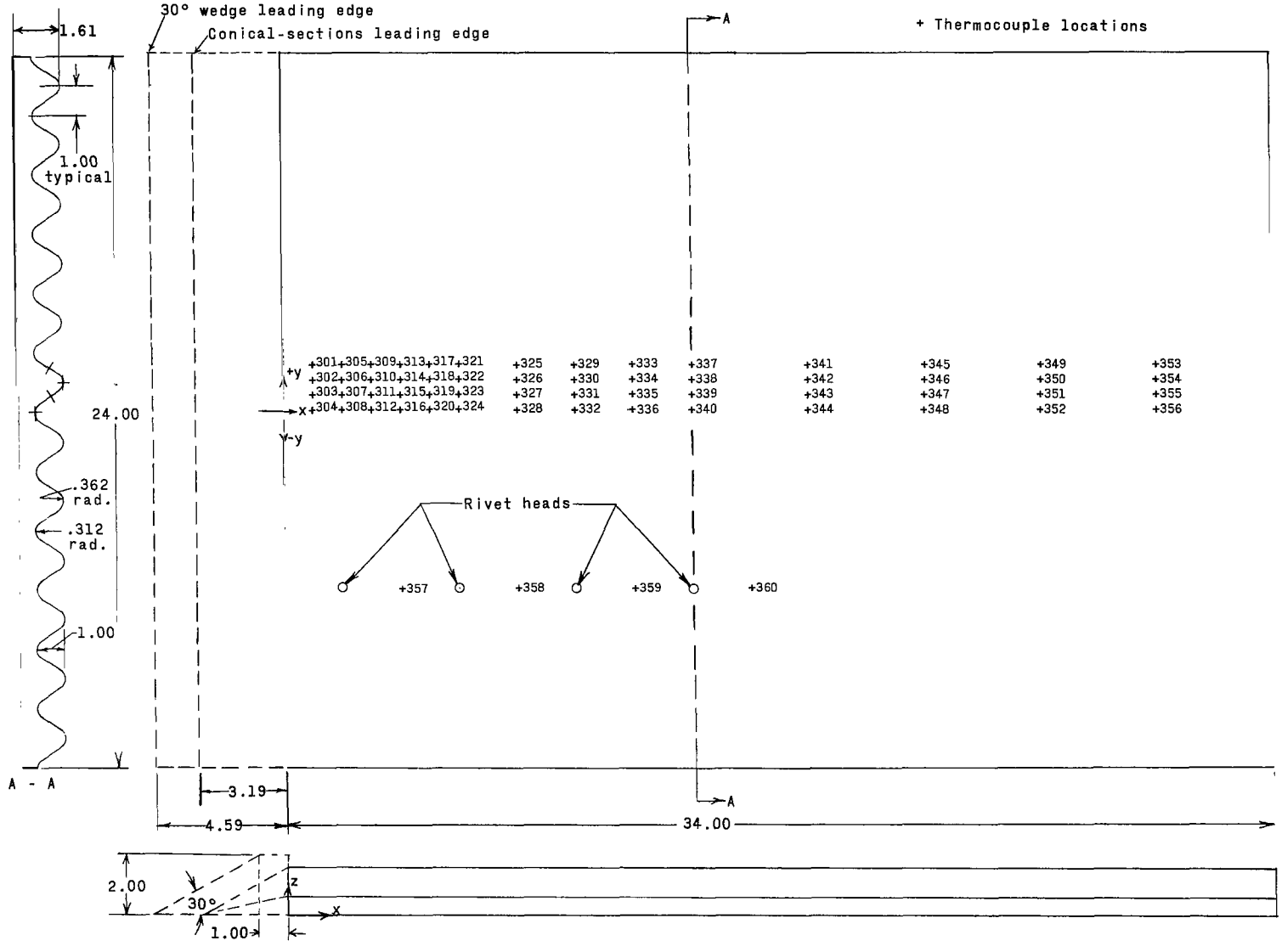
(a) Equipment pod; δ = 6.0 inches.

Figure 4.- Thermocouple locations and basic dimensions of protuberances. All dimensions are in inches.



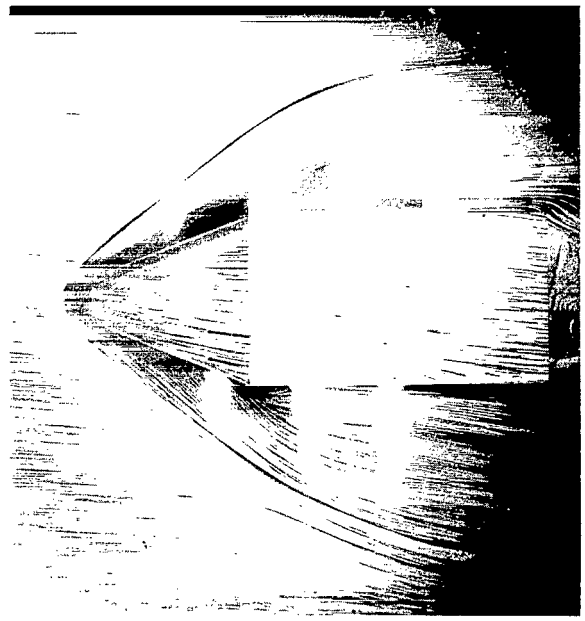
(b) Engine fairing.

Figure 4.- Continued.



(c) Corrugated panel showing 30° wedge and conical-sections leading edges.

Figure 4.- Concluded.

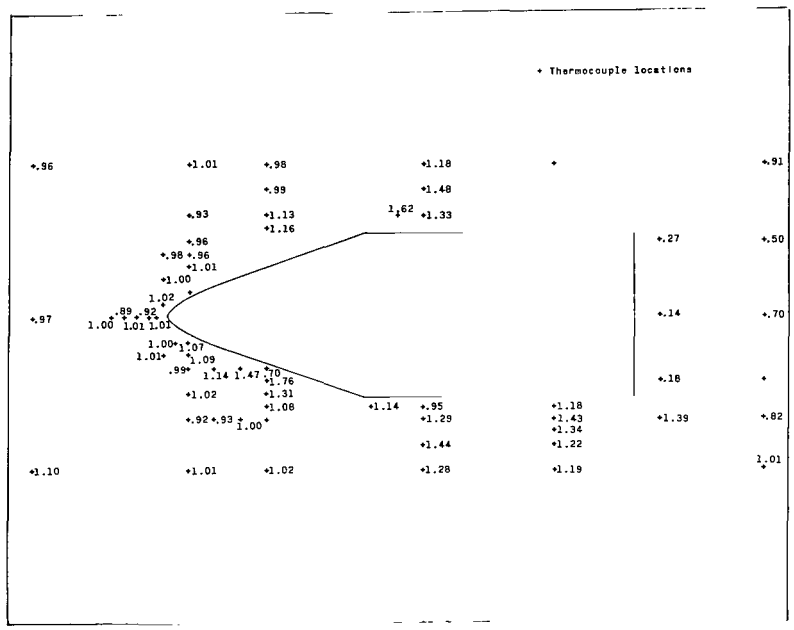


(a) $\alpha = 0^{\circ}$.

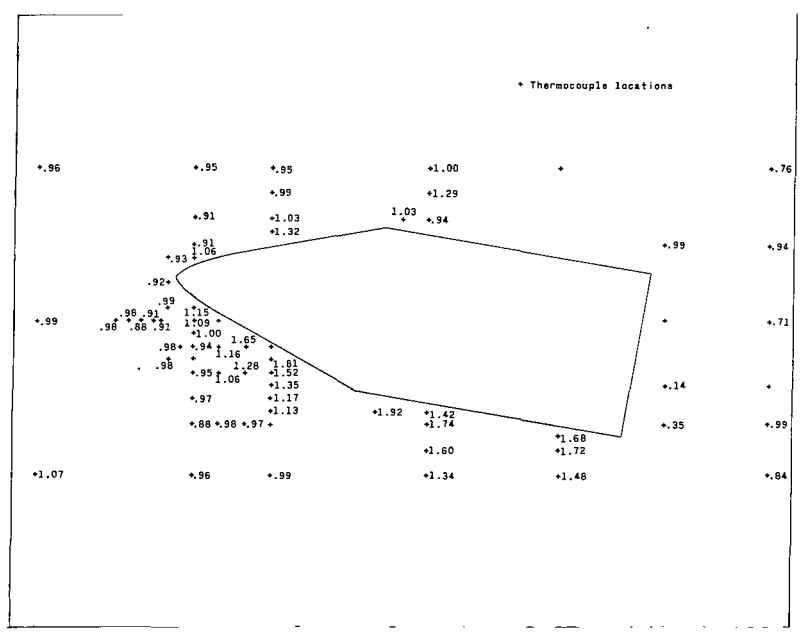
(b) $\alpha = 10^{\circ}$.

L-64-3069

Figure 5.- Oil-flow patterns for equipment-pod model. $M = 3.51$; $R \approx 3.0 \times 10^{6}$; $\delta = 6.0$ inches.

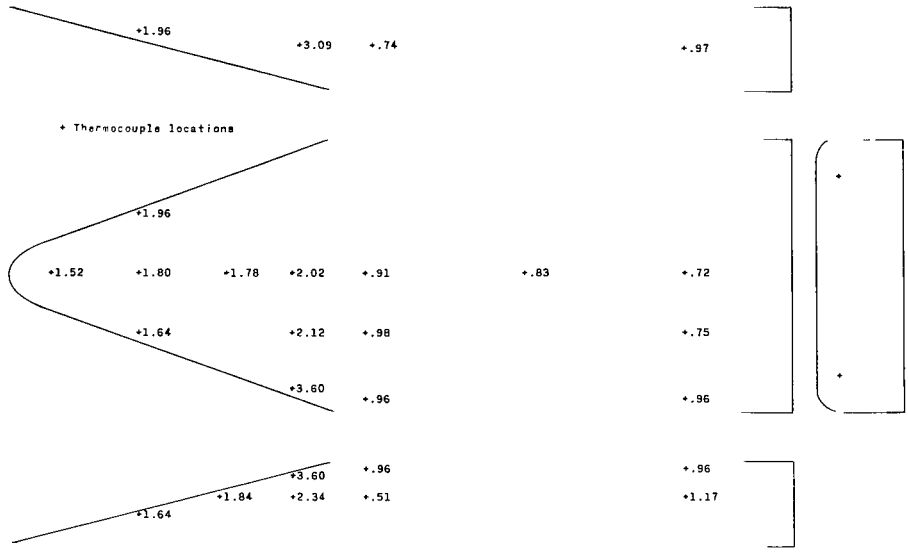


(a) $\alpha = 0^{\circ}$.

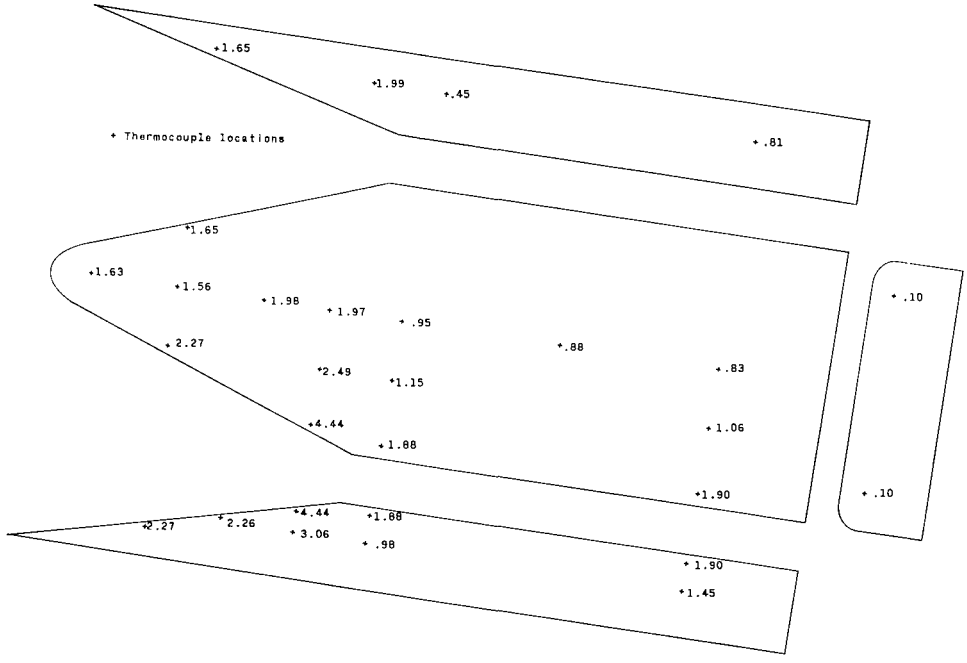


(b) $\alpha = 10^{\circ}$.

Figure 6.- Effect of equipment-pod model on flat-plate heating distribution. Numbers shown are measured heating rates on plate obtained with model installed divided by those obtained for flat-plate-alone tests. $M = 3.51$; $R \approx 4.0 \times 10^{6}$; $\delta = 6.0$ inches.

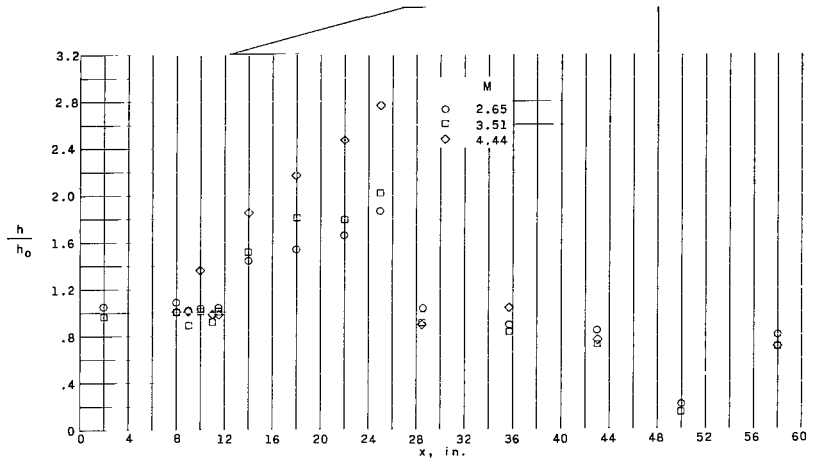


(a) $\alpha = 0^{\circ}$.

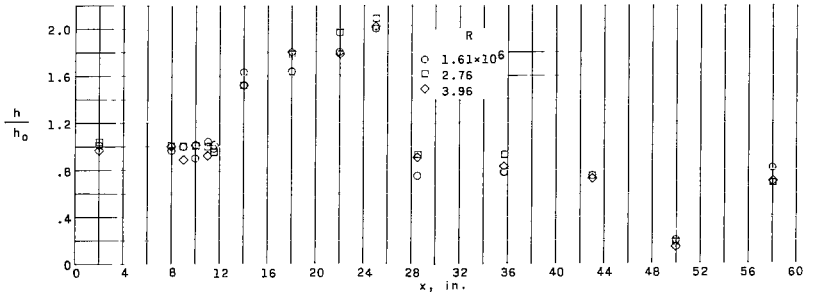


(b) $\alpha = 10^{\circ}$.

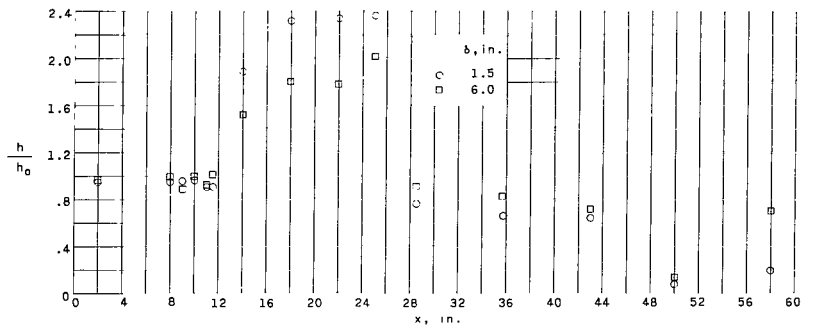
Figure 7.- Effect of angle of attack on heating distribution obtained on equipment-pod model. Numbers shown are measured heating rates obtained on model divided by average values obtained on flat-plate center line for flat-plate-alone tests. $M = 3.51$; $R = 4.0 \times 10^{6}$; $\delta = 6.0$ inches.



(a) Effect of Mach number; $R \approx 4.0 \times 10^6$; $\delta = 6.0$ inches.



(b) Effect of Reynolds number; $M = 3.51$; $\delta = 6.0$ inches.

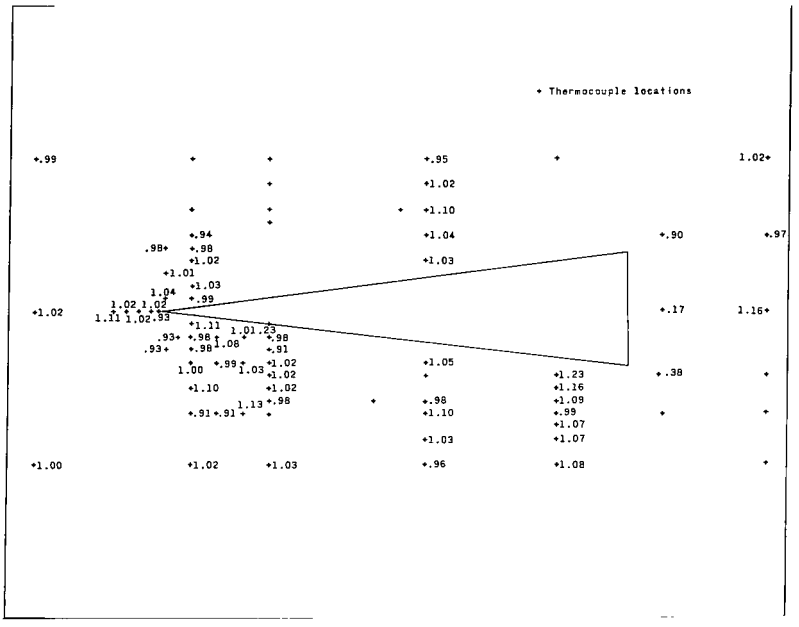


(c) Effect of boundary-layer thickness; $M = 3.51$; $R \approx 4.0 \times 10^6$; $y = 0$ inches.

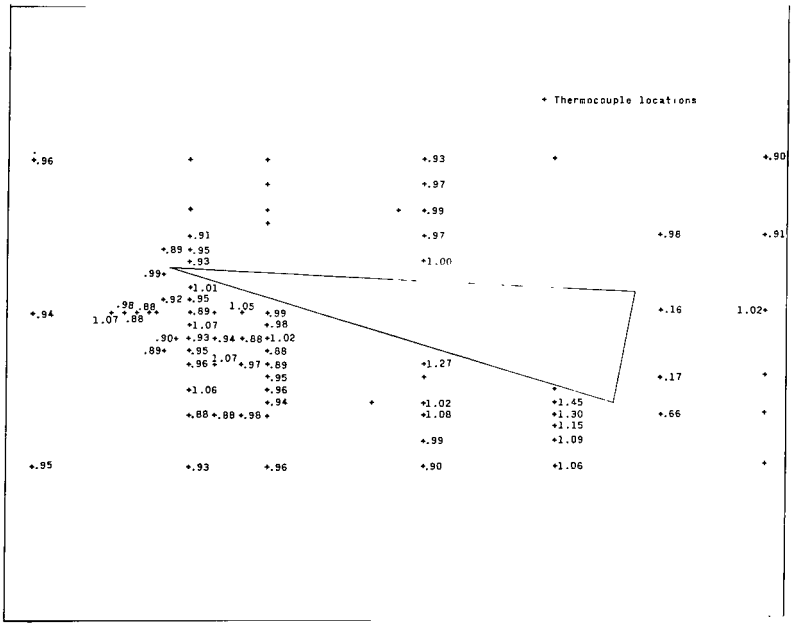
Figure 8.- Effect of Mach number, Reynolds number, and boundary-layer thickness on heating distribution obtained on flat-plate and equipment-pod center line. Measurements obtained on model ($12.2 \leqq x \leqq 48.0$) are divided by average values obtained on flat-plate center line for flat-plate-alone tests. $\alpha = 0^\circ$.

L-64-3070

Figure 9.- Oil-flow patterns for engine-fairing model. $\alpha = 0^{\circ}$; M = 3.51; R = 4.0×10^{6}; δ = 6.0 inches.

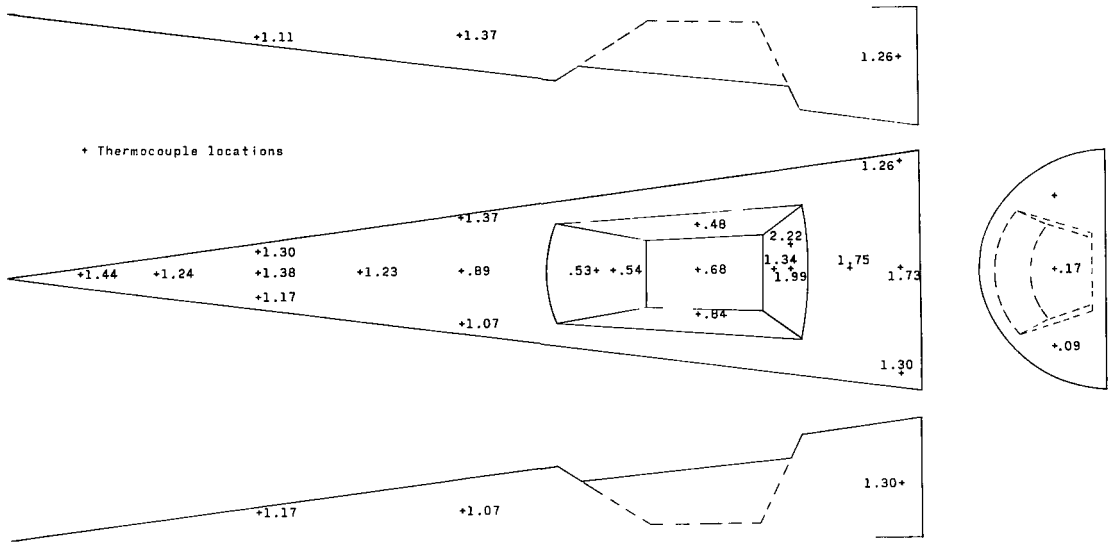


(a) $\alpha = 0^{\circ}$.

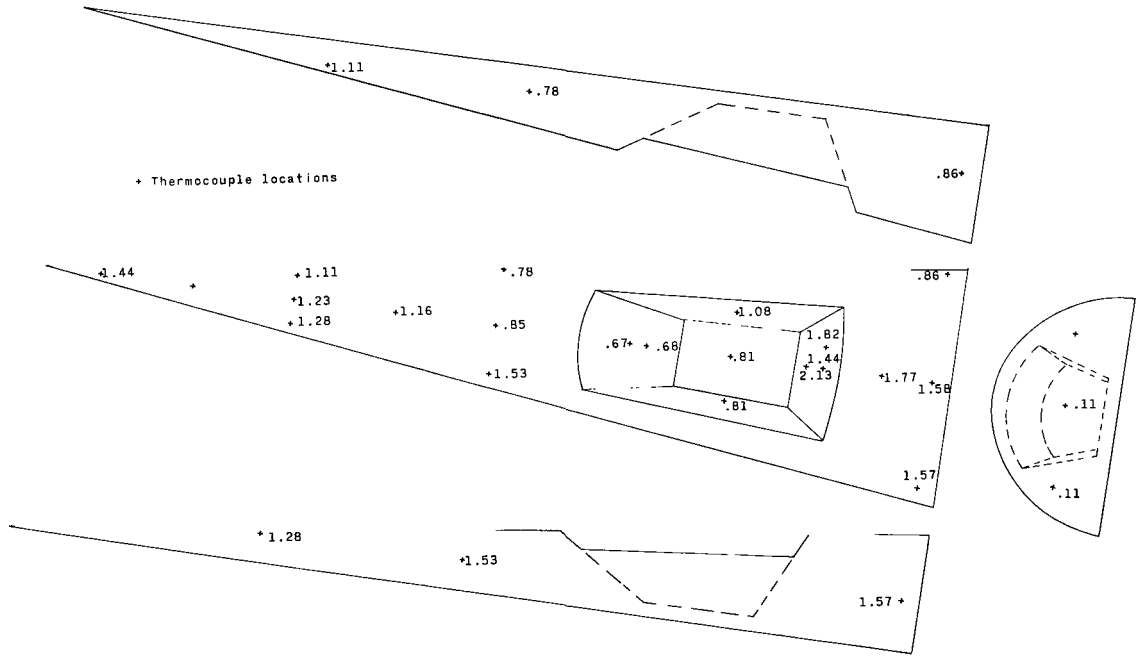


(b) $\alpha = 10^{\circ}$.

Figure 10.- Effect of engine-fairing model on flat-plate heating distribution. Numbers shown are measured heating rates on plate obtained with model installed divided by those obtained for flat-plate-alone tests. $M = 3.51$; $R = 4.0 \times 10^{6}$; $\delta = 6.0$ inches.

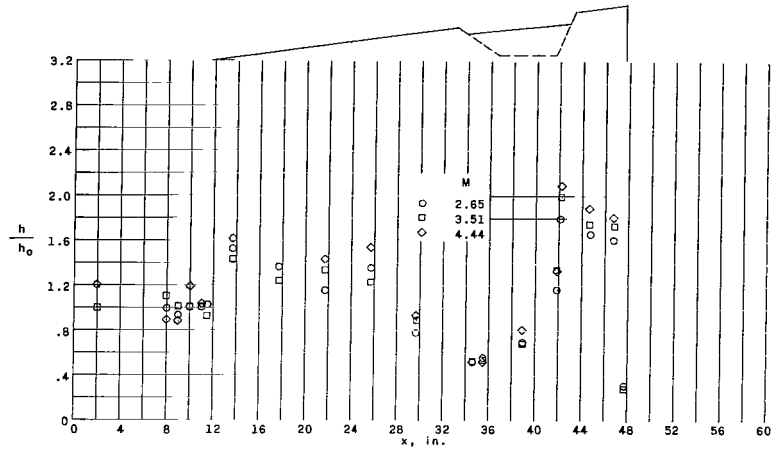


(a) $\alpha = 0^{\circ}$.

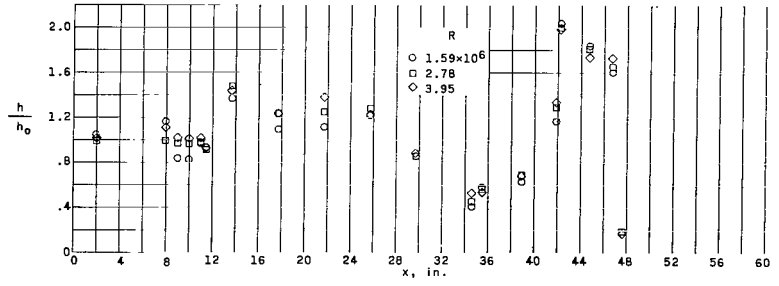


(b) $\alpha = 10^{\circ}$.

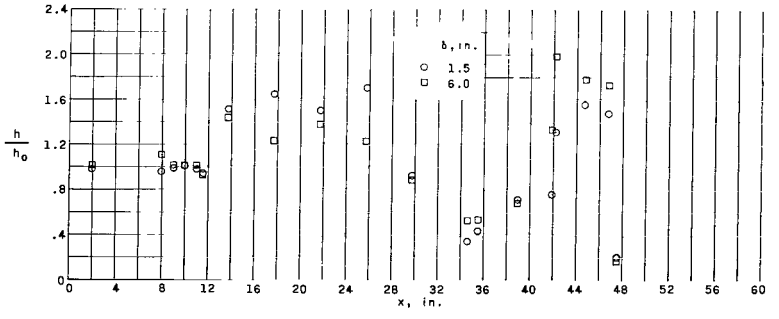
Figure 11.- Effect of angle of attack on heating distribution obtained on engine-fairing model. Numbers shown are measured heating rates obtained on model divided by average values obtained on flat-plate center line for flat-plate-alone tests. $M = 3.51$; $R = 4.0 \times 10^{6}$; $\delta = 6.0$ inches.



(a) Effect of Mach number; $R \approx 4.0 \times 10^6$; $\delta = 6.0$ inches.

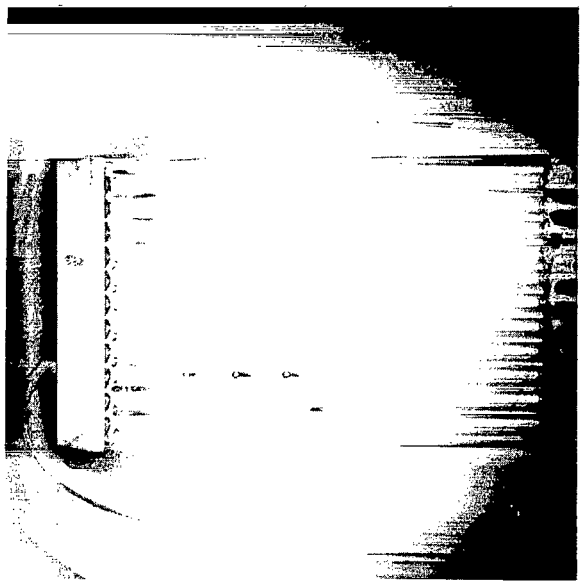


(b) Effect of Reynolds number; $M = 3.51$; $\delta = 6.0$ inches.

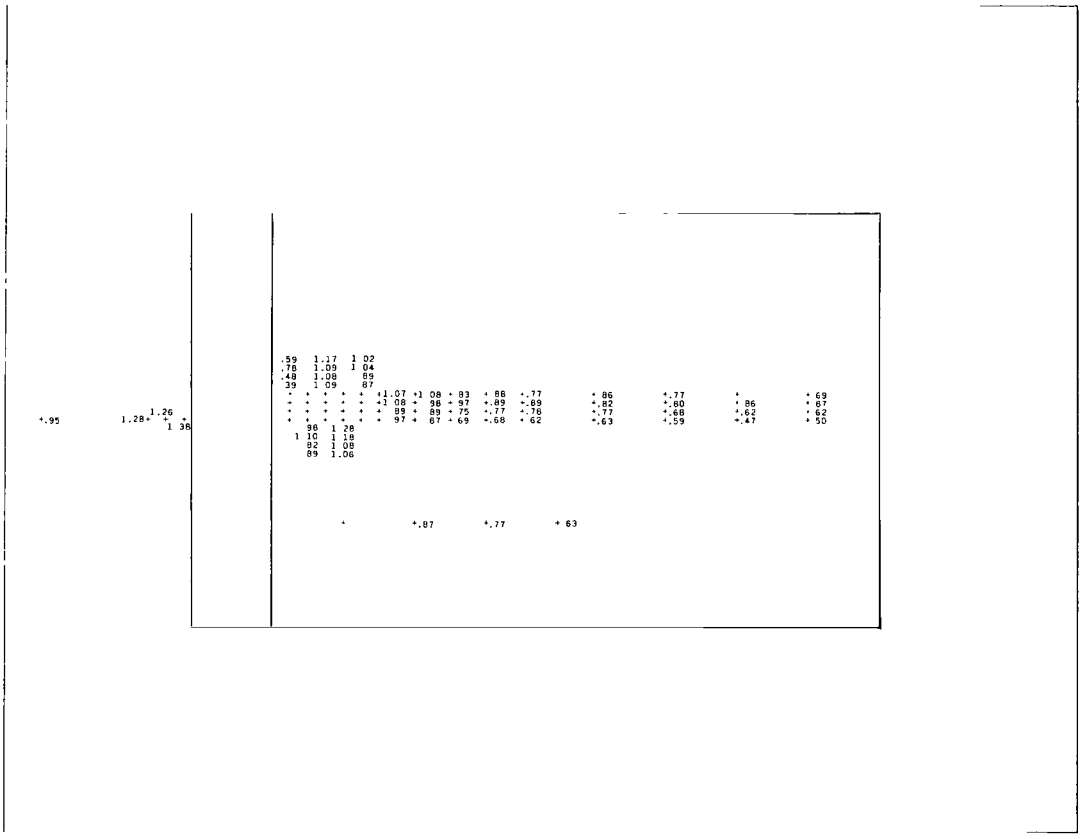


(c) Effect of boundary layer; $M = 3.51$; $R \approx 4.0 \times 10^6$.

Figure 12.- Effect of Mach number, Reynolds number, and boundary-layer thickness on heating distribution obtained on flat-plate and engine-fairing center line. Measurements obtained on model ($11.7 \leq x \leq 47.7$) are divided by average values obtained on flat-plate center line for flat-plate-alone tests. $\alpha = 0^\circ$.

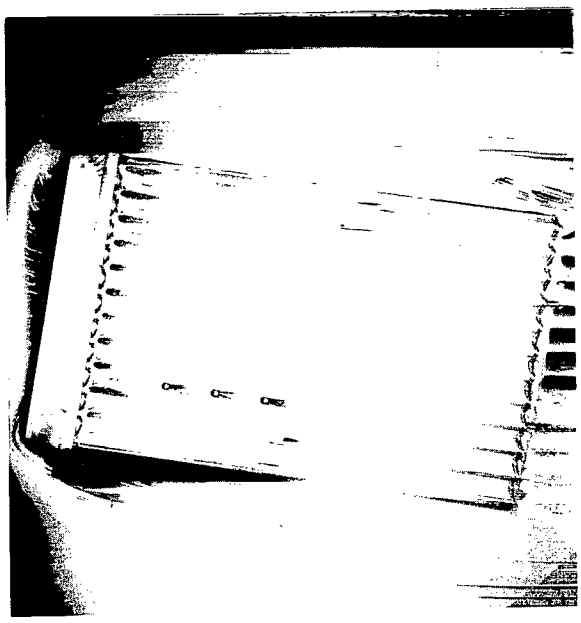


L-64-3071



(a) $\alpha = 0^{\circ}$.

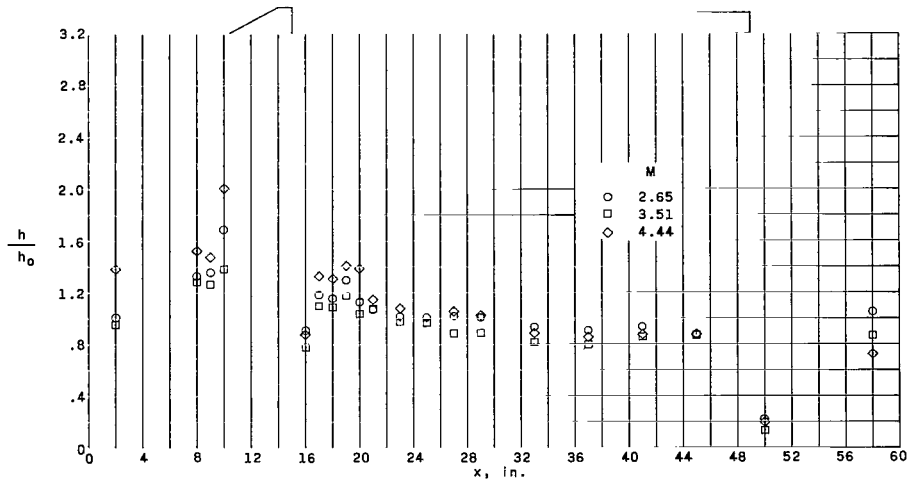
Figure 13.- Effect of angle of attack on heating distribution obtained on corrugated panel with 30° wedge leading edge. Numbers shown are measured heating rates obtained on model divided by average values obtained on flat-plate center line for flat-plate-alone tests. $M = 3.51$; $R \approx 3.9 \times 10^6$; $\delta = 6.0$ inches.



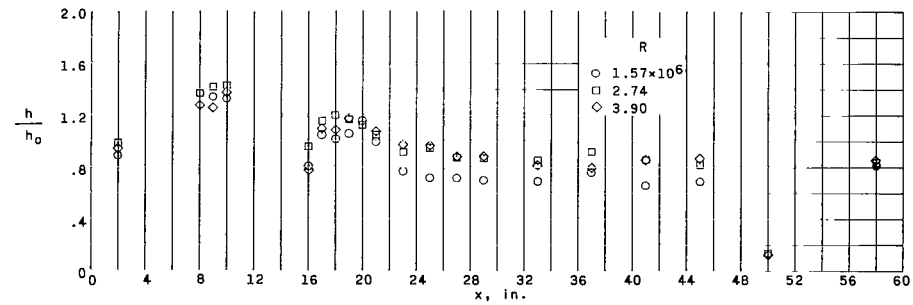
L-64-3072

(b) $\alpha = 10^{\circ}$.

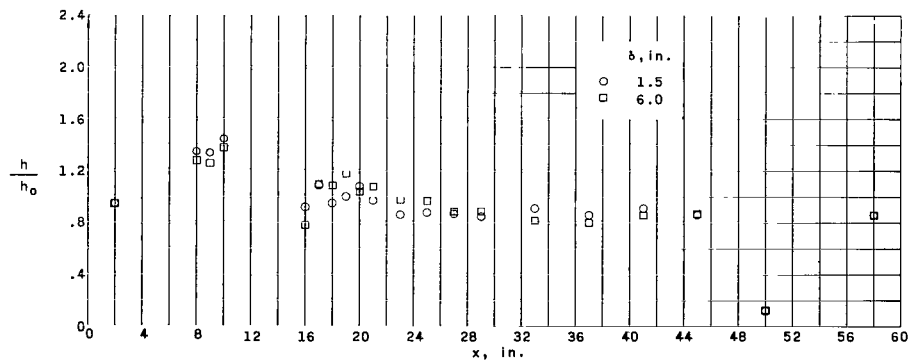
Figure 13.- Concluded.



(a) Effect of Mach number; δ = 6.0 inches; R $\approx$ 4.0 $\times$ 10^6.

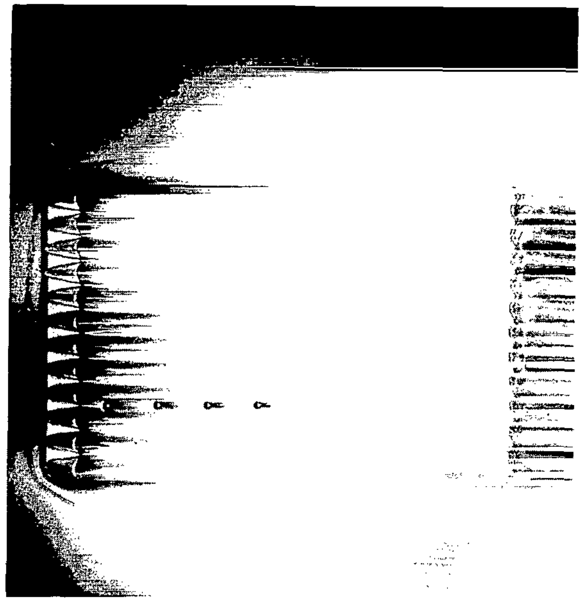


(b) Effect of Reynolds number; M = 3.51; δ = 6.0 inches.

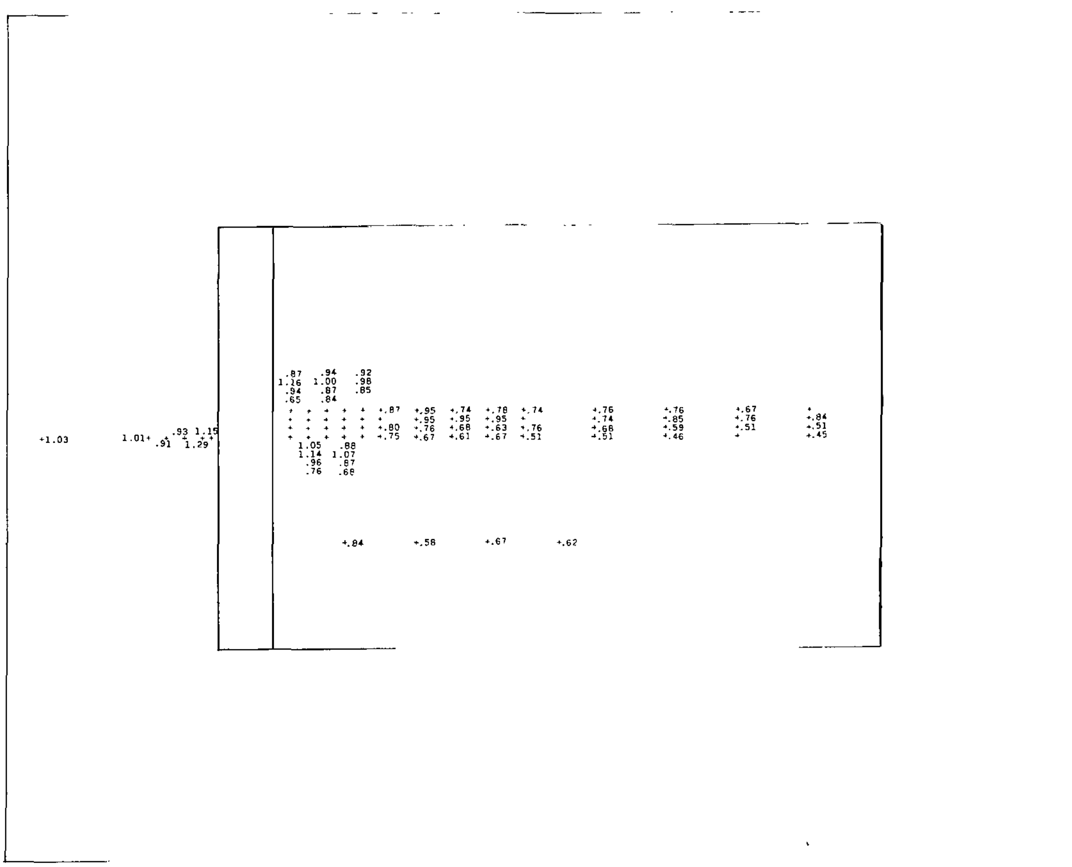


(c) Effect of boundary layer; M = 3.51; R $\approx$ 4.0 $\times$ 10^6.

Figure 14.- Effect of Mach number, Reynolds number, and boundary-layer thickness on center-line heating distribution obtained on flat plate and corrugated panel with 30° wedge leading edge. Measurements obtained on model ($10.4 \leq x \leq 49.0$) are divided by average values obtained on flat-plate center line for flat-plate-alone tests.

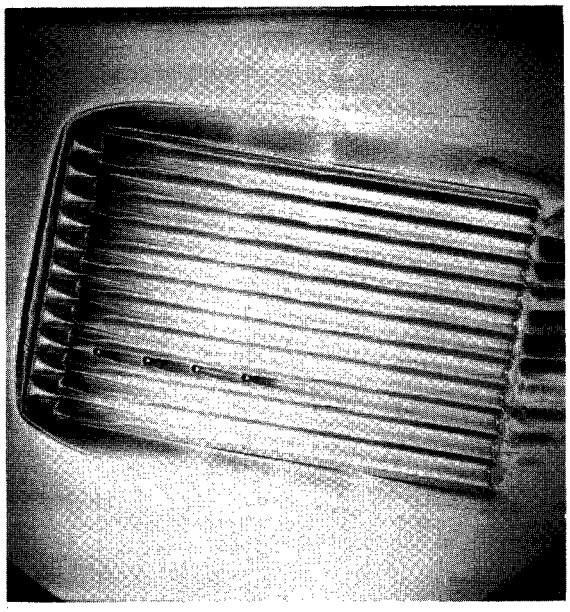


L-64-3073

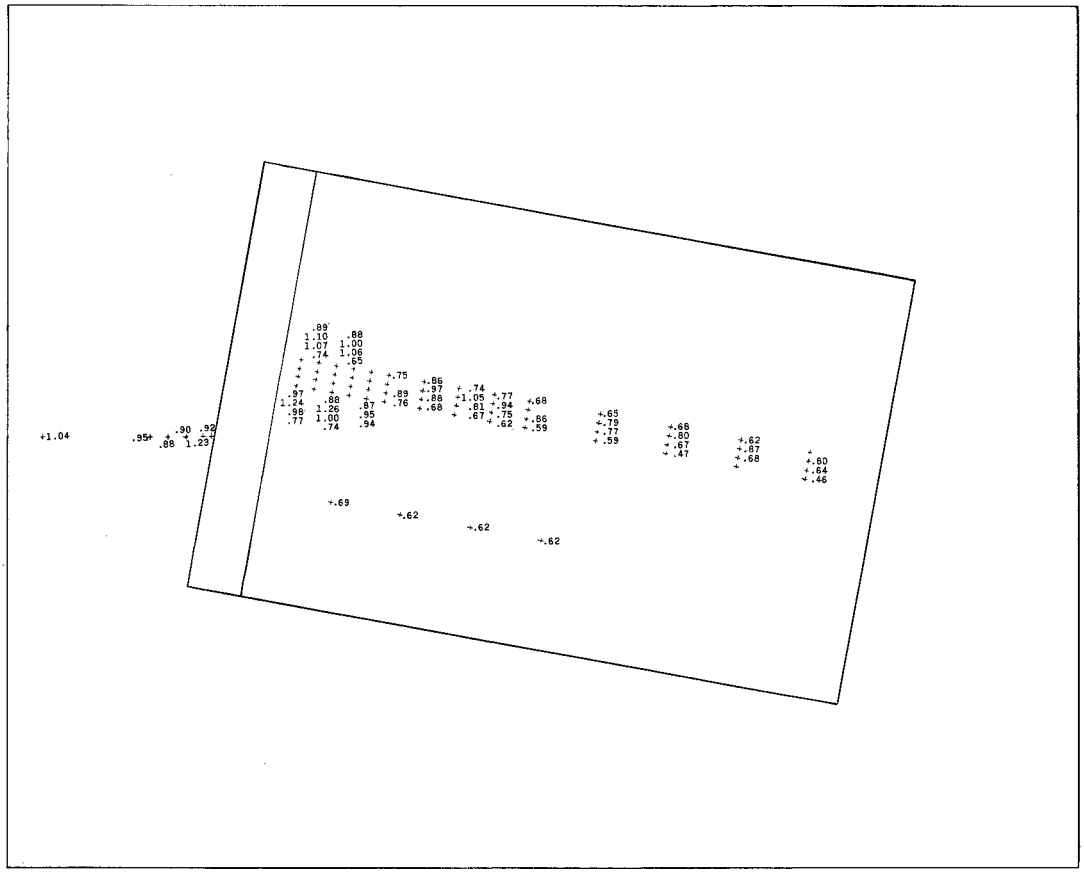


(a) $\alpha = 0^{\circ}$.

Figure 15.- Effect of angle of attack on heating distribution obtained on corrugated panel with conical-sections leading edge. Numbers shown are measured heating rates obtained on model divided by average values obtained on flat-plate center line for flat-plate-alone tests. $M = 3.51$; $R \approx 3.9 \times 10^{6}$; $\delta = 6.0$ inches.

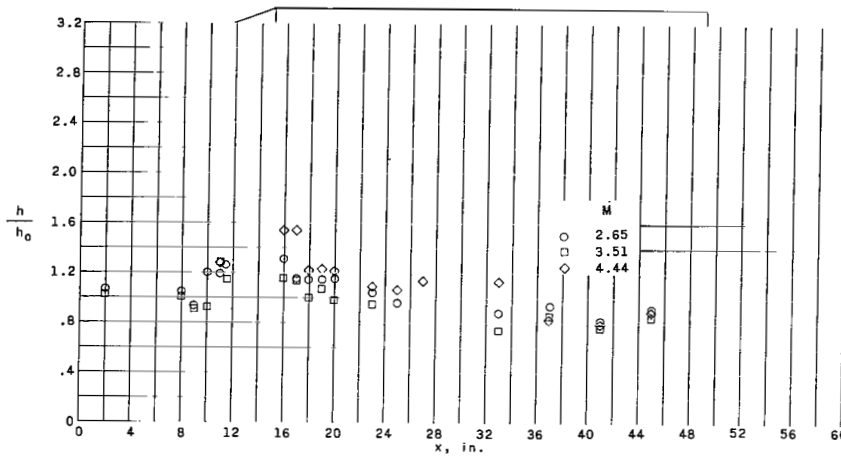


L-64-3074

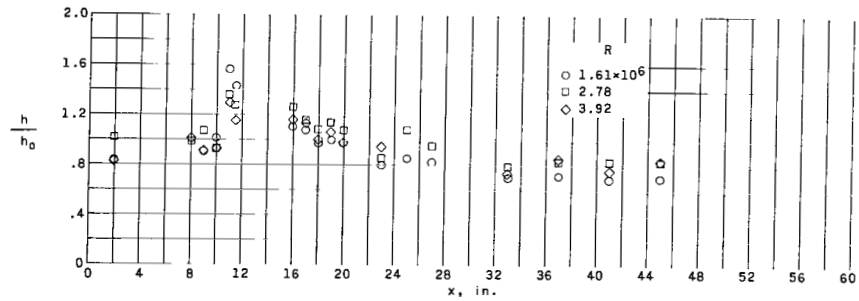


(b) $\alpha = 10^{\circ}$.

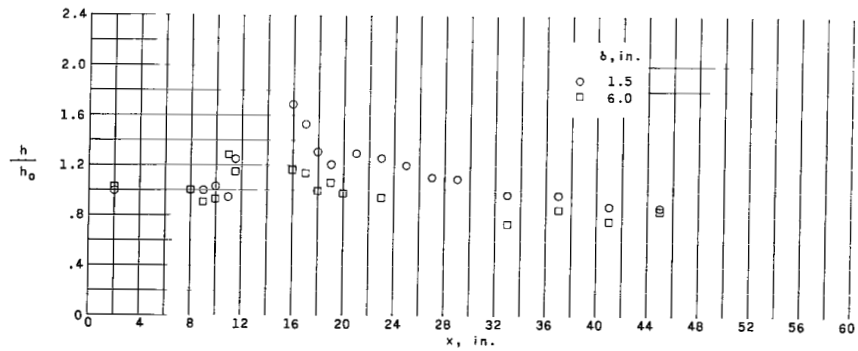
Figure 15.- Concluded.



(a) Effect of Mach number; $R \approx 4.0 \times 10^6$; $\delta = 6.0$ inches.



(b) Effect of Reynolds number; M = 3.51; $\delta = 6.0$ inches.



(c) Effect of boundary layer; M = 3.51; $R \approx 4.0 \times 10^6$.

Figure 16.- Effect of Mach number, Reynolds number, and boundary-layer thickness on center-line heating distribution obtained on flat plate and corrugated panel with conical-sections leading edge. Measurements obtained on model ($11.8 \leq x \leq 49.0$) are divided by average values obtained on flat-plate center line for flat-plate-alone tests.

2 1 7 1 P5

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—NATIONAL AERONAUTICS AND SPACE ACT OF 1958

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