

NCAR-TN/STR-55

# **Rawinsonde Data Obtained During the Line Islands Experiment**

**Volume I: Data Reduction Procedures  
and Thermodynamic Data**

R. MADDEN  
E. ZIPSER  
E. DANIELSEN  
D. JOSEPH  
R. GALL

February 1971

NATIONAL CENTER FOR ATMOSPHERIC RESEARCH  
Boulder, Colorado



## FOREWORD

A thorough description of the Line Islands Experiment (LIE) and a comprehensive list of the kinds of data collected are presented in the first report in this series.<sup>1</sup> This report presents a detailed description of the rawinsonde data obtained at Palmyra, Fanning, and Christmas Islands (all low coral atolls), and from the *USC&GSS Surveyor*. For roughly half of the five weeks that the *Surveyor* spent near the islands its soundings were made from an anchor location some 500 km east of Palmyra. The data are arranged in two volumes. Volume I contains a discussion of the data reduction techniques used, a listing of other formats in which the upper air data are available, and the actual thermodynamic data from over 800 soundings taken during LIE. Volume II contains the upper level wind data from these soundings.

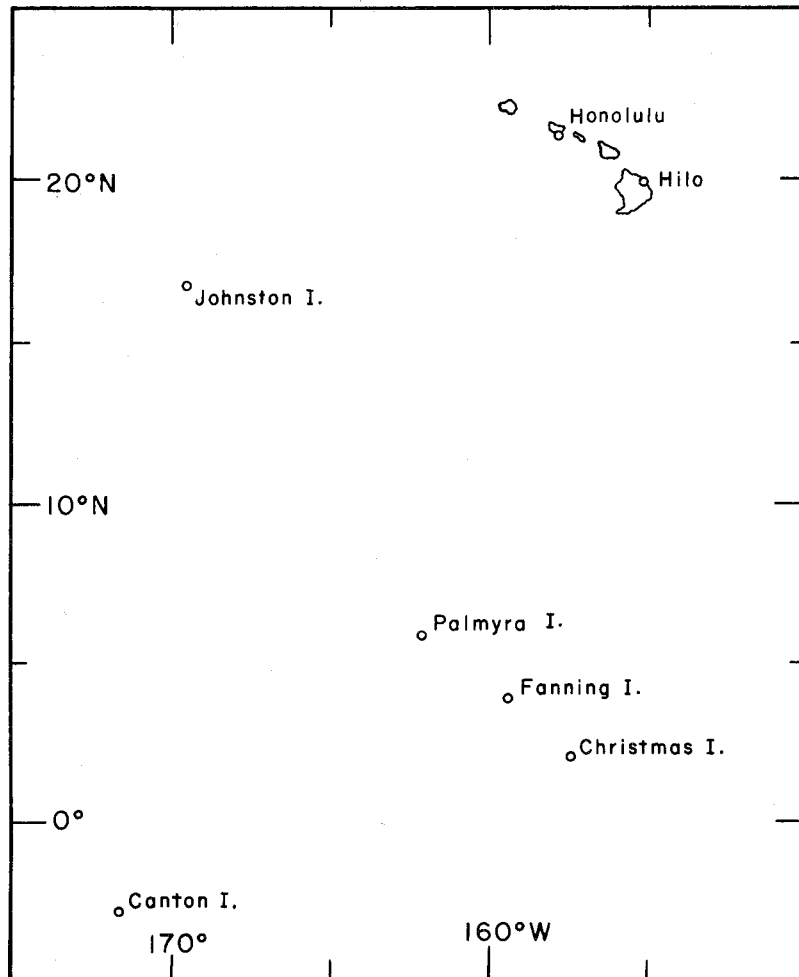
The data represent a carefully processed, short-term record of upper air temperature, moisture, and winds near the equator. In its entirety the LIE data sample is unique in its comprehensiveness. The rawinsonde data are compiled here in the hope that easy access to them will enable and encourage scientists to use them in a variety of studies.

The collection, reduction, and presentation of the rawinsonde data involved the cooperation of a number of agencies and the efforts of many individuals. LIE was supported by the National Science Foundation through NCAR. The rawinsonde observations from the islands were made by the 6th Weather Squadron (mobile), U.S. Air Force, and from the *Surveyor* by the Overseas Operations Division, U.S. Weather Bureau. E. Zipser, who served as the scientific coordinator for LIE, guided the collection and presentation of the data. E. Danielsen, D. Joseph, and R. Gall developed the computer methods used in computing the upper level winds. R. Madden and Joseph were responsible for the actual data reduction; P. Erdman and L. Sapp, student assistants at NCAR, participated in this

---

<sup>1</sup>Zipser, E. J. and R. C. Taylor, 1968: *A Catalogue of Meteorological Data Obtained during the Line Islands Experiment, February-April 1967*, LIE Report No. 1. National Center for Atmospheric Research NCAR-TN-35, Hawaii Institute of Geophysics HIG-67-19, 362 pp.

work. Specific acknowledgment of the efforts of many other individuals and agencies who contributed to the production of this data set is contained in LIE Report No. 1.





## CONTENTS

Foreword . . . . .	iii
List of Figures . . . . .	vii
List of Tables . . . . .	ix
I. DEVELOPMENT OF A COMPUTER METHOD FOR CALCULATING UPPER LEVEL WINDS FROM THE LINE ISLANDS RAWINSONDE DATA . . . . .	1
II. PROCESSING OF THE THERMODYNAMIC DATA OBTAINED FROM THE LINE ISLANDS RAWINSONDES . . . . .	31
III. DATA FORMATS . . . . .	39
IV. THERMODYNAMIC STATISTICS . . . . .	47
V. DATA RELIABILITY AND LIMITATIONS . . . . .	61
VI. PRESENTATION OF THE THERMODYNAMIC DATA . . . . .	69
APPENDIXES	
A. Thermodynamic Data Below 60 mb (Islands) . . . . .	A-1
B. Thermodynamic Data Below 60 mb ( <i>USC&amp;GSS Surveyor</i> ) . . . . .	B-1
C. Thermodynamic Data Above 60 mb (Islands) . . . . .	C-1
D. Thermodynamic Data Above 60 mb ( <i>USC&amp;GSS Surveyor</i> ) . . . . .	D-1



## FIGURES

1.	1-min average ascent rates constructed from GMD-1 reference contacts and 40-sec average ascent rates computed from FPS-16 tracking data . . . . .	10
2.	1-min average ascent rates computed from heights and times (obtained from the feedout rate of the recorder chart) of each GMD-1 pressure contact . . . . .	13
3.	Height errors in GMD-1 computations, attributed to errors in baroswitch and pressure calibration . . . . .	14
4.	Response of meso-pass filter and weights applied to the central and the 16 surrounding points . . . . .	17
5.	Response of macro-pass filter and weights applied to the central and the 30 surrounding points . . . . .	17
6.	Comparison of wind speed profiles in meters per second at Pt. Mugu, California . . . . .	19
7.	Hodograph of winds at Christmas Island, 1650 GMT, 8 April 1967, after smoothing with macro-pass filter . . . . .	22
8.	Hodograph of winds at Christmas Island, 1650 GMT, 8 April 1967, after smoothing with meso-pass filter . . . . .	24
9.	Hodograph of winds at Christmas Island, 1650 GMT, 8 April 1967, with no filtering . . . . .	25
10.	Hodograph of manually computed winds at Christmas Island, 1650 GMT, 8 April 1967 . . . . .	27
11.	Error vectors in manually computed winds . . . . .	28
12.	Likely error introduced in the reading of the radio-sonde temperature evaluator as a function of pressure . . . . .	36
13.	Example of rawinsonde data plotted on NCAR computer . . . . .	44
14.	Vertical time sections of the zonal and meridional winds at Palmyra and Christmas Islands . . . . .	45
15.	The change in thickness of a pressure layer resulting from a 1°K change in the mean virtual temperature of the layer . . . . .	65
16.	Frequency distributions of the difference between temperatures actually recorded at significant levels and the temperatures at those same levels that would be interpolated from the data tabulations in the appendixes . . . . .	67



## TABLES

1. Comparison of data interpolated from significant levels with data interpolated from every contact . . . . .	34
2. Thermodynamic statistics, Palmyra Island . . . . .	50
3. Thermodynamic statistics, Fanning Island . . . . .	51
4. Thermodynamic statistics, Christmas Island . . . . .	52
5. Thermodynamic statistics, <i>Surveyor</i> . . . . .	53
6. Mean data for primary synoptic times, Palmyra Island . . . . .	54
7. Mean data for primary synoptic times, Fanning Island . . . . .	56
8. Mean data for primary synoptic times, Christmas Island . . . . .	58



I. DEVELOPMENT OF A COMPUTER METHOD FOR CALCULATING UPPER LEVEL  
WINDS FROM THE LINE ISLANDS RAWINSONDE DATA

E. Danielsen

D. Joseph

R. Gall<sup>1</sup>

---

<sup>1</sup>Participant in NCAR Computing Facility Work-Study Program, Summer 1967.





I. DEVELOPMENT OF A COMPUTER METHOD FOR CALCULATING UPPER  
LEVEL WINDS FROM THE LINE ISLANDS RAWINSONDE DATA

A. INTRODUCTION

When winds are computed from GMD-1 rawin data, the major problem is to synchronize the thermodynamic and tracking data. Measurements for the two sets of data are made independently: the former at a variable, pressure-dependent rate; the latter at a fixed-time rate (either 6, 30, or 60 sec). Under normal operating procedures, the only link between the two sets is the recorded time of successive reference contacts; i.e., every contact divisible by five.

These reference times are printed directly on the tracking-data tape by interruption of the regular sequence of printing azimuth and elevation angles. The interruptions cause no serious loss of tracking data because they are so infrequent, but the infrequency imposes a serious limitation on the resolution of the computed winds.

If time is known only at the reference contacts, then the ascent rate of the balloon is known only as an average between successive contacts; i.e., an average over roughly 2.5 min up to 17 km, 5 min at 22 km, and 10 min at 26 km. Variations in the wind which depend directly on variations in the ascent rate cannot be accurately resolved for periods significantly shorter than those listed above. It is clear from the listed values that the degradation in resolution begins at about 17 km. In the tropics, this height corresponds to the mean height of the tropopause; therefore, the conventionally computed wind data degenerate in the tropical stratosphere.

The resolution in the stratosphere can be improved, however, if a stable power supply is used to drive the radiosonde recorder enabling the chart to advance at a constant rate, and distances on the chart to be converted to times. Danielsen and Duquet<sup>2</sup> used this technique to

---

<sup>2</sup>Danielsen, E. F. and R. T. Duquet, 1967: A comparison of FPS-16 and GMD-1 measurements and methods for processing wind data. *J. Appl. Meteorol.* 6(5), 824-836.

test the accuracy of winds computed from GMD-1 data against those computed from precision FPS-16 radar tracking data. The simultaneous measurements used in these tests were made by the Inter-Range Instrumentation Group/Meteorological Working Group of the National Aeronautics and Space Administration at Pt. Mugu, California. Some of the same data were used by the present authors to develop and test methods for processing the LIE data. After all the data were processed it was a simple matter to reduce the data density to that obtained at the Line Islands and, thereby, to assess the effects of eliminating data.

In the tropics several fortuitous circumstances interact which make data elimination less serious than it would be in extratropical latitudes. These circumstances will be discussed in subsequent sections since they affect the computation and filtering methods.

#### B. BASIC DATA

The LIE data were reduced to a standard form by visual inspection of the recorder traces and the tracking-data tapes. Using criteria similar to those used by the Weather Bureau, a trained radiosonde operator selected some 30 to 50 significant levels to delineate the temperature and relative humidity as a function of pressure. On the average, the number of significant levels chosen was about one-fourth the actual number of pressure contacts. No attempt was made to restrict the significant levels to the initial point of the pressure contacts; i.e., the point where the pressure is calibrated. For those significant levels selected within a contact, the pressure was interpolated from the pressure calibration tape by estimating the percentage of the contact interval. This procedure can lead to an error in pressure, independent of the pressure calibration errors, if the balloon's ascent rate varies significantly during the contact interval.

As mentioned previously, the only time measurements were those printed on the tracking-data tape when the reference contacts were reached. These times were recorded to the nearest tenth of a minute and the corresponding reference-level pressures were measured to the

nearest millibar. The thermodynamic data available for the computations thus consist of pressure, temperature, and relative humidity at selected significant levels, and pressure and time at reference levels.

The tracking data consist of azimuth and elevation angles, read to the nearest tenth of a degree, at fixed time intervals. However, the measuring interval varied from 6 sec to 1 min. One of the main objectives was to obtain measurements at 6-sec intervals for the first 5-7 min after release of the balloon and to maintain 30-sec intervals thereafter. This objective was met for the majority of releases; therefore the data processing is based on a change from a 6-sec to a 30-sec readout 5 min after release. When only a 30- or 60-sec readout was made during a particular flight, the data are processed separately and the output is appropriately flagged and identified.

Occasional gaps in the transcribed data signify that the measurements were unreliable or unreadable. Manual orientation of the antenna toward the target causes erratic oscillations in azimuth or elevation angles, and at low elevation angles the antenna may suddenly change angles due to interference from a side lobe. Each data gap was checked against the original tracking tape and in a few cases the checked data were reliable enough to add to the transcribed sequence.

If a data gap occurs at the beginning or end of a sequence, no attempt is made to extrapolate into the gap and all computations are restricted to the transcribed data interval. If the data gap occurs within the sequence, nonlinear interpolations are used to fill the gap. The interpolation method consists of parabolic segments which join the actual data with continuity in the variable and its first time derivative, and which conserve the average change over the data gap. The formulas are similar to those presented in Sect. I-D where the method is applied to generate a continuous ascent rate curve from discontinuous average ascent rates.

### C. PROCESSING OF THERMODYNAMIC DATA

Knowing the pressure,  $p$ , temperature,  $T$ , and relative humidity,  $RH$ , we compute the saturation vapor pressure,  $e_s$ , the actual vapor pressure,  $e$ , the specific humidity,  $q$ , and the virtual temperature,  $T_v$ , from the following equations:

$$e_s = 6.105 \exp \left[ 25.21 \left( 1 - \frac{273.2}{T} \right) \right] \left( \frac{273.2}{T} \right)^{5.34} \quad (1)$$

$$e = RH \times e_s \quad (2)$$

$$q = \frac{0.622 e}{p - 0.378 e} \quad (3)$$

$$T_v = T(1 + 0.61 q) \quad (4)$$

The above set of computations is made for each significant level. Then, knowing  $T_v$  and  $p$  at each level, we assume that  $T_v$  varies linearly with respect to the logarithm of  $p$  between levels. This assumption permits us to compute  $T_v$  at the reference levels since the pressures are known. Finally, the height,  $z$ , of the reference levels is computed by a stepwise integration of the hydrostatic equation from the surface elevation and pressure to the lowest reference pressure. When the integrations are completed the heights and times of the reference levels are known, but these times do not coincide with the times when azimuth and elevation are known. Measurements and computed heights must, therefore, be synchronized.

### D. SYNCHRONIZING HEIGHT AND TRACKING DATA

The tracking data are reduced to a measurement of azimuth angle,  $\alpha$ , and elevation angle,  $\varepsilon$ , at 30-sec intervals. During the first 5 min after release, when  $\alpha$  and  $\varepsilon$  were measured at 6-sec intervals, five consecutive readings centered at each 0.5 min are averaged and the average value substituted for the central value.

To compute winds from these data it is most convenient to interpolate  $z$  at the 30-sec interval. If a linear interpolation is used in the wind computations, it is equivalent to using a constant ascent rate between reference contacts, and the ascent rate changes discontinuously from one reference level to the next. The errors introduced by this method will now be considered.

If, for simplicity, we neglect the curvature of the earth, then the horizontal position vector from the antenna to the balloon is

$$\mathbf{r} = r \cos \alpha \mathbf{i} + r \sin \alpha \mathbf{j} \quad (5)$$

where  $\mathbf{i}$  and  $\mathbf{j}$  are orthogonal unit vectors and the distance out,

$$r = z \operatorname{ctn} \epsilon \quad (6)$$

The velocity,

$$\begin{aligned} \mathbf{v} = \frac{d\mathbf{r}}{dt} = & \left[ \frac{dz}{dt} \operatorname{ctn} \epsilon - \frac{z}{\sin^2 \epsilon} \frac{d\epsilon}{dt} \right] (\cos \alpha \mathbf{i} + \sin \alpha \mathbf{j}) \\ & + z \operatorname{ctn} \epsilon \frac{d\alpha}{dt} (-\sin \alpha \mathbf{i} + \cos \alpha \mathbf{j}) \end{aligned} \quad (7)$$

This expression can in turn be simplified by rotating the coordinates so that  $\alpha = 0$ ; thus

$$\mathbf{v} = \left( \frac{dz}{dt} \operatorname{ctn} \epsilon - \frac{z}{\sin^2 \epsilon} \frac{d\epsilon}{dt} \right) \mathbf{i} + z \operatorname{ctn} \epsilon \frac{d\alpha}{dt} \mathbf{j} \quad (8)$$

In the first term,  $dz/dt$  is the ascent rate which varies from 3 to 6 m/sec. If we substitute for  $dz/dt$  the mean ascent rate for the entire run, approximately 4.5 m/sec, the error in the  $\mathbf{i}$  component of  $\mathbf{v}$  will vary from

$$\begin{aligned} & \pm 0.87 \text{ m/sec at } \epsilon = 60^\circ \\ & \pm 1.5 \text{ m/sec at } \epsilon = 45^\circ \\ & \pm 2.6 \text{ m/sec at } \epsilon = 30^\circ \\ & \pm 5.6 \text{ m/sec at } \epsilon = 15^\circ \end{aligned}$$

When  $dz/dt$  is replaced by the average between successive reference contacts, the errors are reduced by a factor of four or more in the lower atmosphere but retain the above values in the stratosphere. Clearly, the significance of the error depends upon the elevation angles.

Wind speeds in the tropics are usually light to moderate, and wind direction reverses once or twice with increasing height. Under these circumstances  $\epsilon$  seldom attains low values, and both  $\alpha$  and  $\epsilon$  change rapidly with height. It follows that variations in ascent rate are less important in tropical than in extratropical latitudes and that the winds are predominantly determined by the second and third terms in Eq. (8). However, above approximately 17 km (i.e., in the tropical stratosphere) where the time between reference contacts increases, the deviations between the actual and average ascent rates become as large as those listed above.

To eliminate discontinuities in the ascent rate, we developed a method for interpolating  $z(t)$  which makes  $z$  and  $dz/dt$  continuous and preserves the average ascent rate between reference contacts.

If we set  $w = dz/dt$  and use the reference contact numbers as subscripts, the  $\bar{w}$  corresponding to the mid-time between the 15th and 20th contacts can be written as

$$\bar{w}_{17.5} = \frac{z_{20} - z_{15}}{t_{20} - t_{15}} \quad (9)$$

Next, we assume that

$$w_{15} = \frac{\bar{w}_{17.5} + \bar{w}_{12.5}}{2} \quad (10)$$

To generate  $w$ 's at the mid-times we assume that  $w$  varies linearly between the values at the reference contacts and the value at the mid-time.

The values at the mid-times must then satisfy equations of the following type:

$$\frac{w_{15} + w_{17.5}}{2} + \frac{w_{17.5} + w_{20}}{2} = 2\bar{w}_{17.5} \quad (11)$$

that is,

$$w_{17.5} = 2\bar{w}_{17.5} - \frac{w_{15} + w_{20}}{2} \quad (12)$$

This equation can be expressed in terms of known values by substituting the appropriate  $\bar{w}$ 's for  $w_{15}$  and  $w_{20}$ . Thus,

$$w_{17.5} = \frac{3}{2} \bar{w}_{17.5} - \frac{1}{4} \left( \bar{w}_{22.5} + \bar{w}_{12.5} \right) \quad (13)$$

After a complete set of  $w$ 's is generated from Eq. (10) at the reference times and from Eq. (13) at the mid-times, the height at every 30 sec is computed by

$$z(t) = z_0 + \int_0^t w(t) dt$$

where  $w(t)$  varies linearly between each reference time and mid-time. The resulting  $z(t)$  curve consists of parabolic segments with continuous first derivatives. It passes through the heights originally computed for the reference times because the mean ascent rates are preserved.

In the wind computations we determine the average wind velocity for a 1-min period by simply finite differencing the position vectors at the succeeding and preceding 30 sec. The same procedure is used to compute ascent rates. An example of the 1-min average ascent rate which contributes to these winds is illustrated at the left in Fig. 1; the average ascent rates between reference contacts, from which the continuous curve was derived, appear as vertical line segments on the same curve.

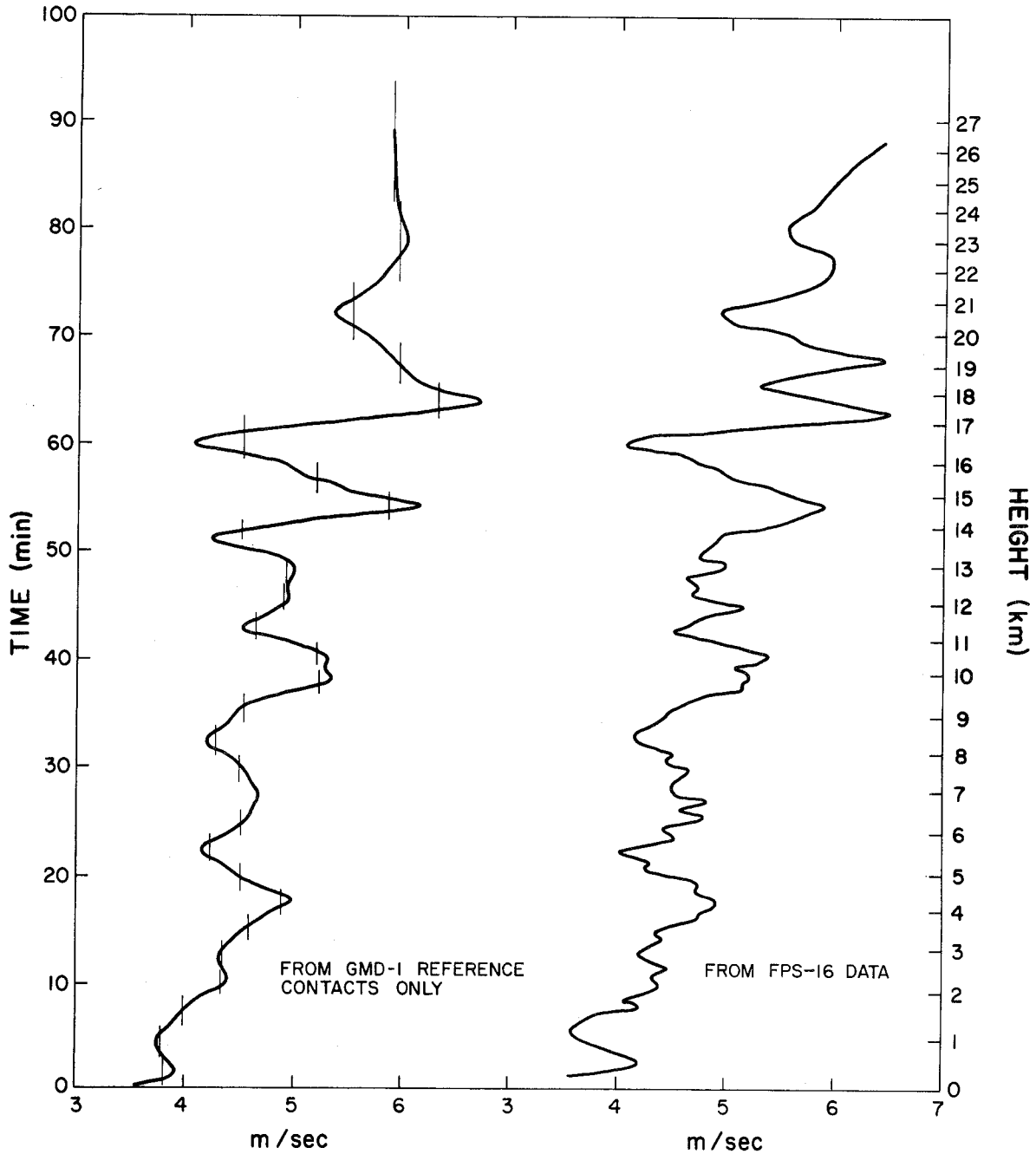


Fig. 1 1-min average ascent rates constructed from GMD-1 reference contacts only (left curve), and 40-sec average ascent rates computed from FPS-16 tracking data (right curve). The vertical line segments on the left curve denote average ascent rates between reference contacts.



The 40-sec average ascent rates derived directly from the precision FPS-16 tracking data are presented at the right in Fig. 1. The curve is derived from data obtained during the simultaneous tracking experiments at Pt. Mugu, California. The 40-sec averages are computed by finite differencing the heights at  $\pm 20$  sec from the central time. Each height is the average of 200 values, each of which is computed over a curved earth from slant range and elevation angles measured 10 times per second. A 20-sec average for each height was necessary to remove the spurious fluctuations of the radiosonde balloon. The accuracy of the ascent rates computed from the FPS-16 data varies with elevation angle. We estimate that the error varies from  $\pm 0.01$  m/sec at high angles to  $\pm 0.2$  m/sec at the lowest angles encountered during this flight.

In this example there was a gradual increase in  $w$  from 3.5 to 6.5 m/sec, plus an oscillation of approximately  $\pm 0.5$  m/sec with a period of approximately 8 min, plus an oscillation of approximately  $\pm 0.1$  m/sec with a period of approximately 2 min. The 8-min period corresponds to vertical wavelengths from 2 to 3 km, and represents a rather typical mesoscale oscillation. The shorter period, smaller amplitude oscillations are microscale features which cannot be resolved with conventional GMD-1 data.

With few exceptions we find that the continuous ascent rates, which were derived from the discontinuous rates, reproduce the increasing trend in the large scale and the mesoscale oscillations up to 17 km. The most conspicuous exception, the minimum at 13.5 km, is due to an error in the average ascent rate between the 100th and 105th contact, an underestimation of 0.45 m/sec. This amounts to an error of 110 m in the height difference which, as we shall see, must be due to errors in the pressure calibration rather than to errors in the time or the mean temperature.

Above 17 km the large increase in time between reference contacts prevents the resolution of mesoscale variations in ascent rate; consequently the mesoscale oscillations in the winds become unreliable.

To demonstrate that the degradation depends on the larger time interval and not on the conditions at the tropopause, we have included in Fig. 2 the ascent rates derived by using every pressure contact and the times obtained from the feedout rate of the recorder chart. With four additional measurements between reference contacts, the mesoscale variations in ascent rate above 17 km are well resolved.

We stress, therefore, that the degradation of the computed wind data in the stratosphere in this set of LIE ascents is due primarily to the lack of adequate time measurements. This difficulty could easily be removed in future studies.

In Fig. 2 there is a general tendency for over-amplification of the ascent rates computed from every pressure contact, and there are many spurious oscillations. Since the pressure calibration tape has a calibration mark at each contact, the corresponding pressures are presumably more accurate than those interpolated within a contact. Considering the calibrated pressures to be most accurate, we did not expect such erratic results.

Having obtained erratic ascent rates, we decided to investigate the errors in height at successive pressure contacts by comparing the computed heights of the GMD transmitter with those measured by the FPS-16 radar. This required removal of a systematic height difference because the radar tracked the metallic chaff inside the radiosonde balloon while the GMD tracked the suspended transmitter. We did not know the precise length of the suspension cord and we had no precise time check between the GMD and FPS-16 measurements, but these difficulties were not serious. We chose a reasonable length and selected a time where the adjusted heights match. We were most concerned with the trends before and after this time. The data were synchronized at approximately 5 km above the ground.

The height differences vs time plotted in Fig. 3 represent primarily the errors in height generated from the GMD-1 data. The height differences fluctuate strongly about a slowly varying trend up to 13.5 km; above this level there is a rapid change from positive to negative

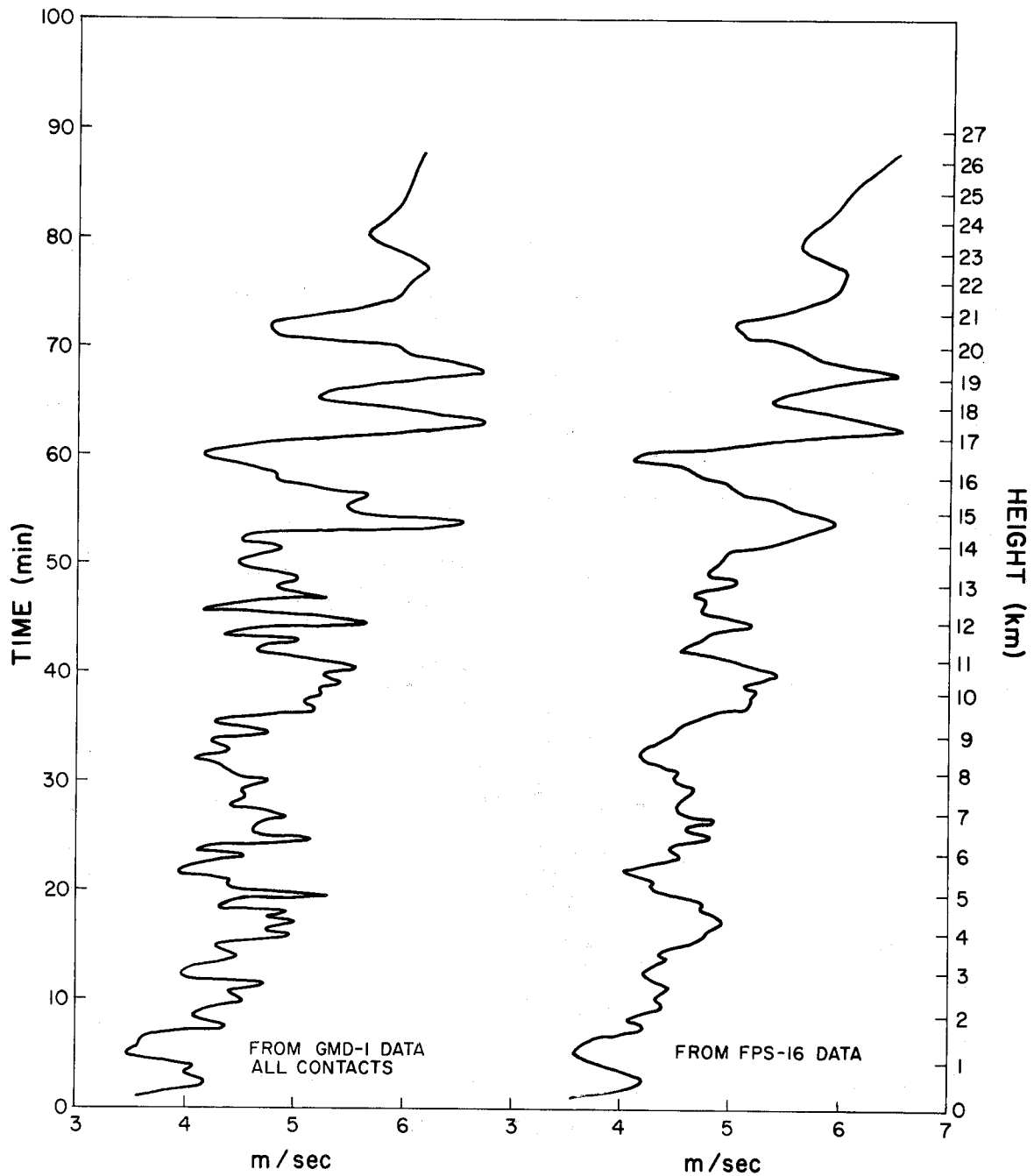


Fig. 2 1-min average ascent rates computed from heights and times of each GMD-1 pressure contact (left curve). The times were obtained from the distance between contacts on the recorder chart which feeds out at a constant rate. The curve at the right is the same as in Fig. 1.

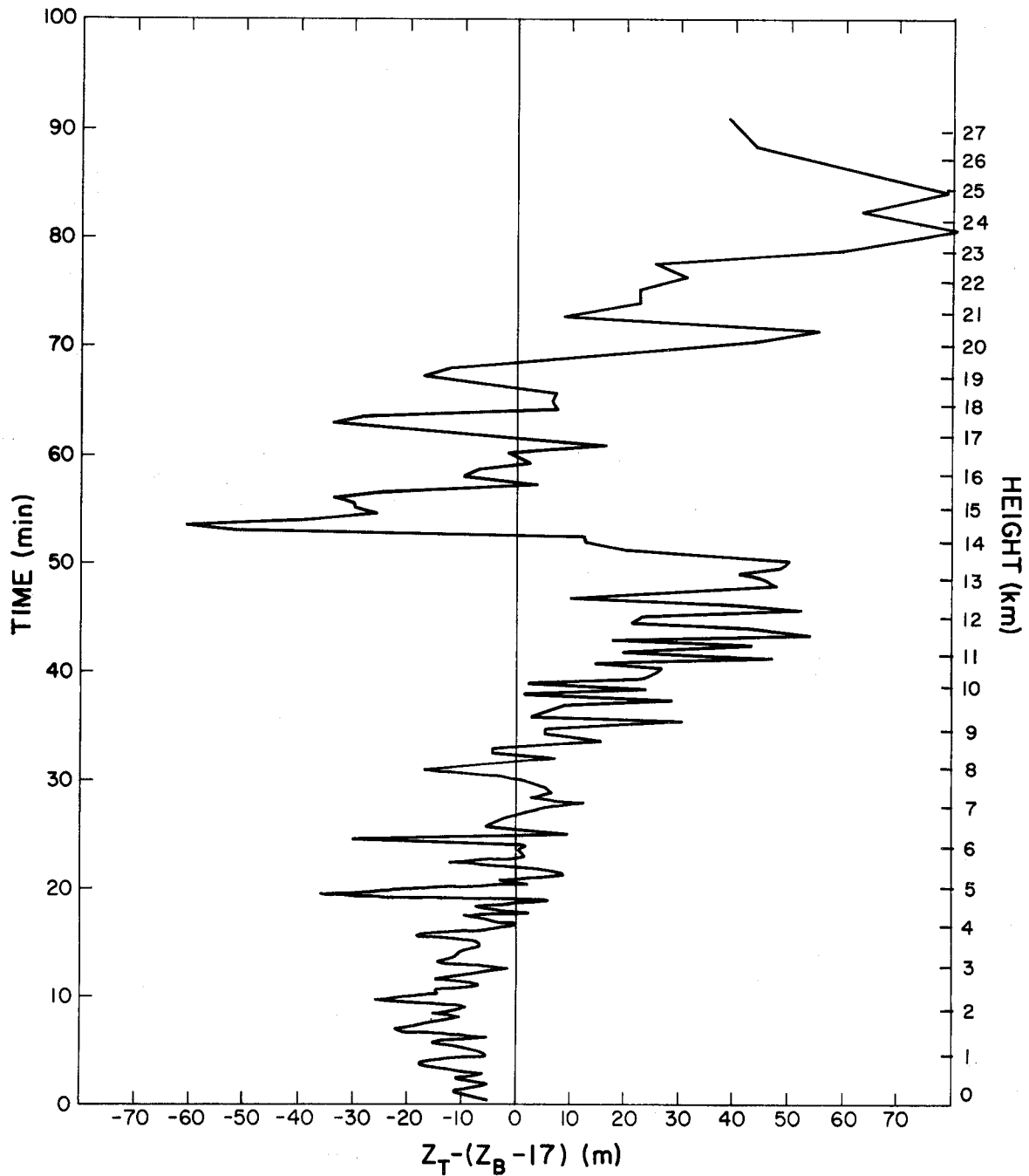


Fig. 3 Height errors in GMD-1 computations, attributed to errors in baroswitch and pressure calibration.  $Z_T$  is the height of the radiosonde transmitter,  $Z_B$  is the height of the balloon determined from FPS-16 radar, and 17 m is the assumed distance between the transmitter and the balloon.

differences. The total shift is 110 m in 3 min, and this decrease corresponds to the underestimated mean ascent rate between the 100th and 105th contacts previously mentioned. These generally fluctuating errors in height must be due to errors in pressure switching and calibration rather than to errors in mean temperature. Whatever their cause, they are the most serious errors in the thermodynamic measurements.

It is clear from Fig. 3 that height errors of 20-30 m are common, even at low elevations. Because they fluctuate rapidly, most of their effects are eliminated by 1-min averaging. The longer period errors, which tend to be larger in magnitude, are reduced but not eliminated, and are therefore responsible for the errors in ascent rates shown in Fig. 2.

On the basis of the evidence presented in Figs. 1-3, we concluded that for the wind computations there was no great advantage in decoding each pressure contact, except at altitudes above 17 km. Using the non-linear interpolation method to derive heights at a fixed time interval from the heights and times of the reference contacts only, we obtained continuous ascent rate curves which closely resemble those obtained by filtering the FPS-16 or the complete (every pressure contact) GMD-1 measurements. The latter measurements must be filtered to remove errors in height and ascent rate resulting from errors in pressure calibration at every contact.

For the LIE data this conclusion proved to be valuable. If it had proven necessary to process the data at every pressure contact, the cost of a complete reprocessing would have been prohibitive.

#### E. FILTERING OF DATA AND WINDS

When applied to the reduced set of data, the method developed to generate heights at a fixed time interval has about the same effect as a medium- and low-pass filter applied to the complete set of data. Such a filter eliminates the microscale oscillations but passes the meso- and macroscale oscillations with little distortion. To obtain reliable wind vectors we must either filter the azimuth and elevation angles to remove

the microscale oscillations, or we must filter the winds themselves to remove the oscillations produced by incompatible data.

Both types of filtering required testing to determine whether the results were equivalent. On two days with distinctly different velocity profiles no significant difference in the wind velocities was obtained by filtering the azimuth and elevation angles before computing the winds or by filtering the wind components themselves, except in the first few kilometers above the ground. If a filter is applied to a constant number of points over the complete data interval, it is necessary to reflect and invert the data at the beginning and end of the data interval. When the elevation angles changed rapidly just after release, the reflection and inversion introduced significant errors in the low level winds. However, if the wind components were reflected and inverted, no significant errors were detected. We chose, therefore, to compute the winds and then to filter the vectoral components.

The filters used on the Line Islands' winds were designed by R. Bleck in accordance with the specifications we outlined. The first filter, which is called a meso-pass filter, is illustrated in Fig. 4. It uses 17 data points and spans 8 min of data. It eliminates all oscillations with a vertical wavelength less than 5 intervals or, equivalently, all periods less than 2.5 min. Since a 2.5-min period corresponds to the average time between reference contacts up to 17 km, the meso-pass filter eliminates both those oscillations which cannot be resolved in the ascent rates, and those microscale oscillations which are due directly to errors in the measurements. Oscillations in the wind vectors which form a complete period in 2.5 min of ascent correspond to wavelengths of 1 km in the vertical if the conversion from data interval to wavelength is based on a mean ascent rate of 4.5 m/sec. Thus, the mesoscale oscillations with wavelengths greater than 1 km are passed by this filter, and the resulting winds contain both the synoptic and the mesoscale features of the wind field. *This meso-pass filter was used in producing the wind computations presented in Vol. II.*

The second filter, which is called a macro-pass filter, is illustrated in Fig. 5. It uses 31 data points and spans 15 min of data.

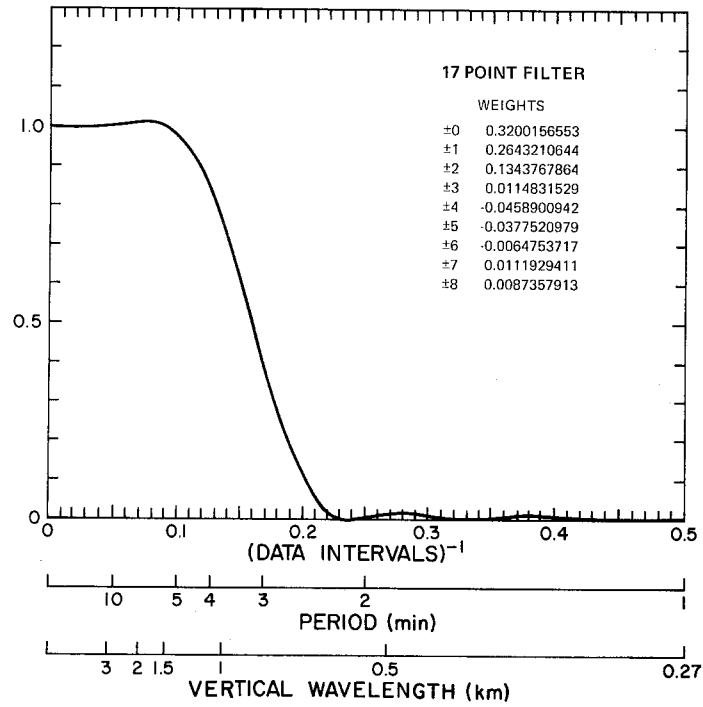


Fig. 4 Response of meso-pass filter and weights applied to the central and the 16 surrounding points.

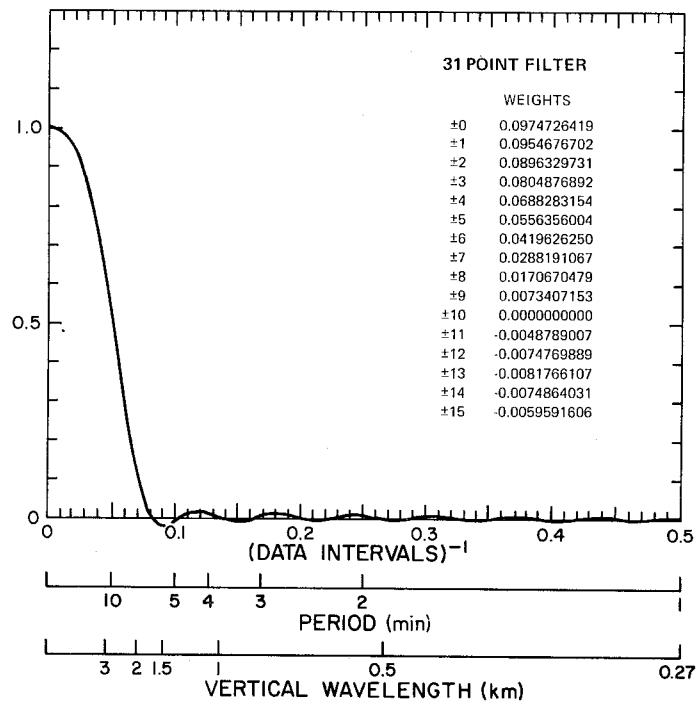


Fig. 5 Response of macro-pass filter and weights applied to the central and the 30 surrounding points.

From Fig. 5 one can see that this filter passes waves with vertical wavelengths greater than 3 km, and effectively eliminates wavelengths less than 2.5 km (i.e., meso- and microscale waves). The resulting winds are properly filtered for application to large scale synoptic analyses.

These filters provide point values which are similar to layer averages or time averages, but they have the advantage of not seriously truncating isolated, large scale maximums or minimums in the wind speed profiles. Comparison of average winds computed over fixed time intervals with winds obtained by the filters showed that the meso-pass filter, which acts on 8 min of data, was similar to a 3-min average, and that the macro-pass filter, which acts on 15 min of data, was similar to a 6-min average. The structure of the main jet maximum was maintained in the filtered winds but increasingly truncated in the averaged winds.

Figure 6 includes computations based on one set of data from Pt. Mugu; the FPS-16 winds provide a standard for comparing the accuracy of the computed and filtered winds. At the left (labeled 1) is the speed profile derived from the FPS-16 data. Each point represents a 40-sec average wind speed. The profile is interesting because small amplitude micro- and mesoscale oscillations are evident at all heights.

Profile 2 is derived from the GMD-1 measurements, including all pressure contacts, times from the feedout of the recorder chart, and azimuth and elevation angles measured every 6 sec. The profile has many features in common with profile 1, but as we saw in the ascent rate profiles, which also apply to this example, there is a tendency toward over-amplification. Since every point is a 1-min average wind speed, while points along profile 1 are 40-sec averages, one would expect the opposite tendency. The over-amplification is caused by errors in ascent rate, which in turn, are caused by errors in pressure calibration. Above 16 km, however, the errors are caused primarily by inaccurate elevation angles.

Profile 3 shows the effects of reducing the amount of thermodynamic data from a complete set to that of the LIE format. The heights at the reference contacts were computed from significant-level



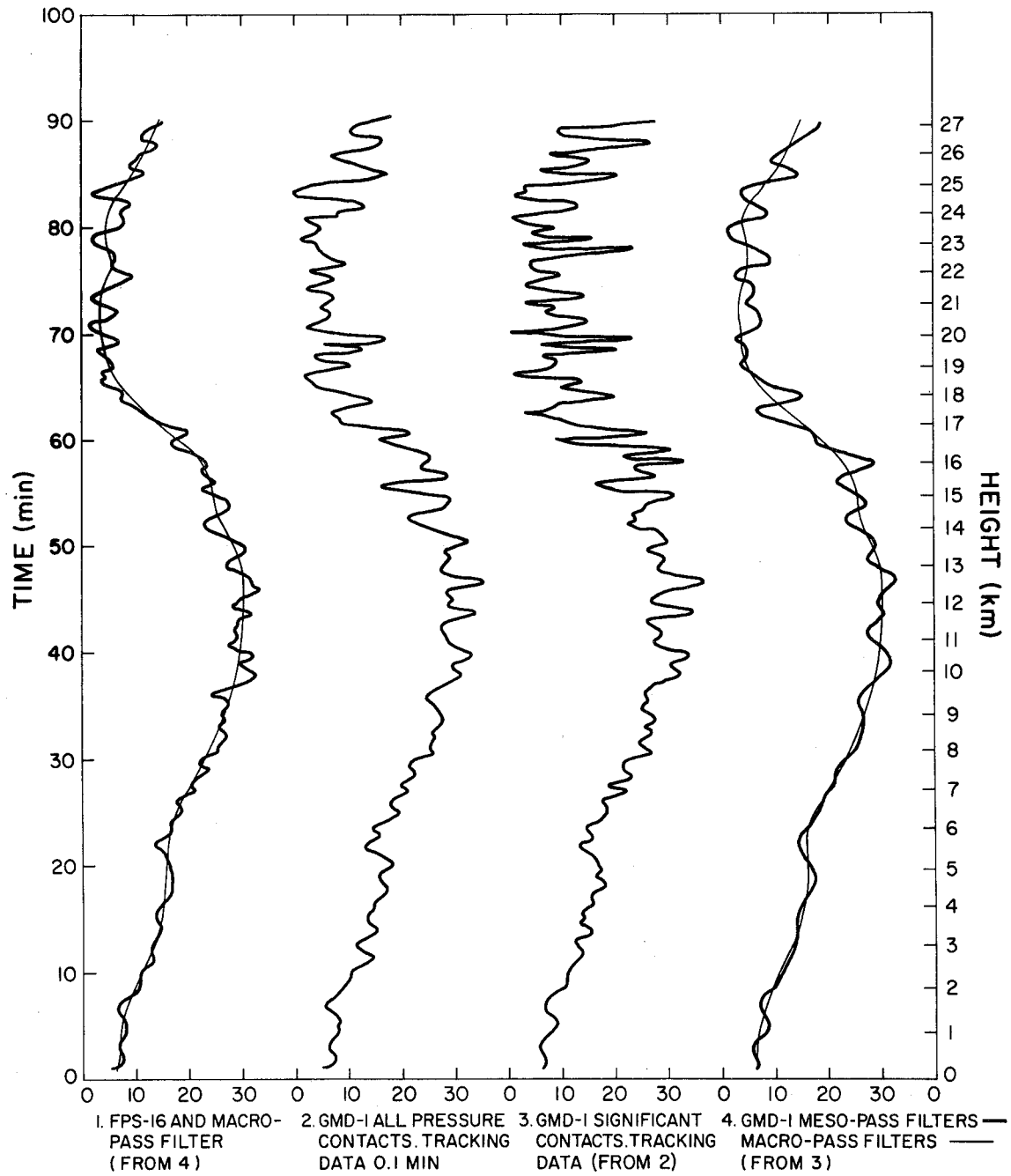


Fig. 6 Comparison of wind speed profiles in meters per second at Pt. Mugu, California (refer to Figs. 1, 2, and 3).

data only, and the heights at every 30 sec were then computed as discussed in Sect. I-D. The azimuth and elevation angles are the same as in profile 2. In the lowest 10 km the LIE format produces a slightly better wind speed profile than the complete set of GMD-1 data, but in the upper levels the errors in ascent rate and elevation angles combine to produce a less accurate profile.

Although profile 3 has large errors above 10 km, these errors are substantially reduced by the two filters. The meso-pass filter applied to the winds of profile 3 produces the heavy-line curve of profile 4. The resulting filtered wind speeds are in rather good agreement with the 40-sec averages computed from the FPS-16 data (profile 1). When making the comparison one must suppress the microscale oscillations (wavelengths less than 1 km) in profile 1. Above 16 km some mesoscale oscillations in profile 4 are totally spurious, some are phase shifted, and some are reliable. Without a standard no distinction could be made.

The thin line through profile 4 shows the results of applying the macro-pass filter to profile 3. For convenience in comparing results, the same macroscale profile has been replotted in profile 1. Although derived from completely independent data, the macroscale profile derived from the GMD-1 data fits the FPS-16 data. The synoptic scale winds are thus accurately derived from the GMD-1 data despite the many sources of error.

#### F. EXAMPLE OF LINE ISLANDS' WINDS

The data used in the previous sections were obtained at Pt. Mugu, California, where predominantly westerly winds carried the balloons to low elevation angles. The simultaneous FPS-16 measurements enabled us to test the accuracy of the GMD-1 system with data reduced to the LIE format, and to develop and test methods of computing and filtering the horizontal winds. The accuracy of the winds computed from the LIE data should be as good as or better than that obtained from the Pt. Mugu data since the elevation angles are seldom as low in the tropics as they are in the belt of strong westerlies. The other sources of error are independent of station location.

On the basis of the Pt. Mugu tests we should expect that the 1-min average winds will contain vector errors which can be effectively removed by applying the meso-pass filter. After the winds are filtered, the mesoscale oscillations should be accurate to less than 1 m/sec and  $3^\circ$  up to 16 or 17 km; above this level the accuracy decreases. On the other hand, the synoptic scale winds obtained by applying the macro-pass filter will provide accurate winds throughout the entire balloon ascent.

We have randomly selected one run made at Christmas Island as an example of tropical wind data before and after smoothing. The date is 8 April 1967, and the time 1650 GMT (0650 local time). The hodograph of the unfiltered winds is somewhat complicated, but one can unravel the trends by comparing it with the simpler hodographs of the filtered winds. The simplest hodograph, obtained by applying the macro-pass filter to the 1-min averaged winds, is shown in Fig. 7. Both time in minutes and heights in kilometers are plotted along the curve for reference.<sup>3</sup>

The winds are seen to change from easterly to westerly, and back to easterly, and the westerlies are seen to oscillate from southwest to northwest. These oscillations tend to keep the elevation angles large; the lowest angle in this case was  $17^\circ$  at 11 min, and the highest angle was  $69^\circ$  at 35 min. From 35 to 88 min the angles decreased slowly to  $28^\circ$  and then increased again to  $52^\circ$  at the end of the run. Except for a few minutes in the early part of the run, the elevation angles were above  $20^\circ$ ; therefore, no serious errors were introduced by reflected signals.

Despite the strong filtering, considerable structure remains in the hodograph. The 8-km oscillation from northwest at 32 kt to south at 63 kt, and to west-northwest at 40 kt is particularly interesting because it implies a sharp reversal in cross-equatorial flow. Figure 14 (first presented in Sect. III and discussed further in Sect. V) illustrates the time and space continuity of these features; the phenomenon

---

<sup>3</sup>This run is shown to reach 30 km. Since thermodynamic data were recorded on the master tape to only 61 mb, the attached tabulations do not contain information above 19 km.



of the layered structure of the Line Islands' winds is discussed elsewhere by Madden and Zipser.<sup>4</sup>

The hodograph obtained from the meso-pass filter (Fig. 8) contains the same oscillation but has a larger amplitude. At 61.5 min, which corresponds to 16 km, the wind is from the northwest at 53 kt. This meso-scale component thus has a magnitude of 22 kt and is directed toward the equator.

In general, the mesoscale components have amplitudes of less than 10 kt and of varying directions so that the hodograph undulates about the macroscale hodograph. When compared to numerous hodographs computed by similar methods from mid-latitude soundings, there is a distinct absence of anticyclonic loops. At mid-latitudes anticyclonic loops predominate in the stratosphere. The difference is due in part to the persistently large shears in the Christmas Island winds, which in the hodograph convert loops to undulations.

As mentioned previously, the hodograph of the unfiltered winds (Fig. 9) is almost impossible to trace because of randomly distributed error vectors which are superimposed on the macro- and mesoscale components. These error vectors have their largest amplitudes above 17 km (65 min) where the elevation angles are relatively large, but the heights and the ascent rates are not accurately resolved.

#### G. COMPARISON WITH CONVENTIONALLY HAND-COMPUTED WINDS

Many of the soundings taken at the Line Islands were processed at the stations by the radiosonde operators, just as standard soundings are prepared twice daily for teletype and radio transmission. All of these computations are made graphically, and several graphical interpolations are required to prepare the plot of the balloon's successive positions. Sources of error are so numerous that it is usually impossible to identify a specific source from the final product.

---

<sup>4</sup>Madden, R. A. and E. J. Zipser, 1970: Multi-layered structure of the wind over the equatorial Pacific during the Line Islands Experiment. *J. Atmos. Sci.* 27, 336-342.

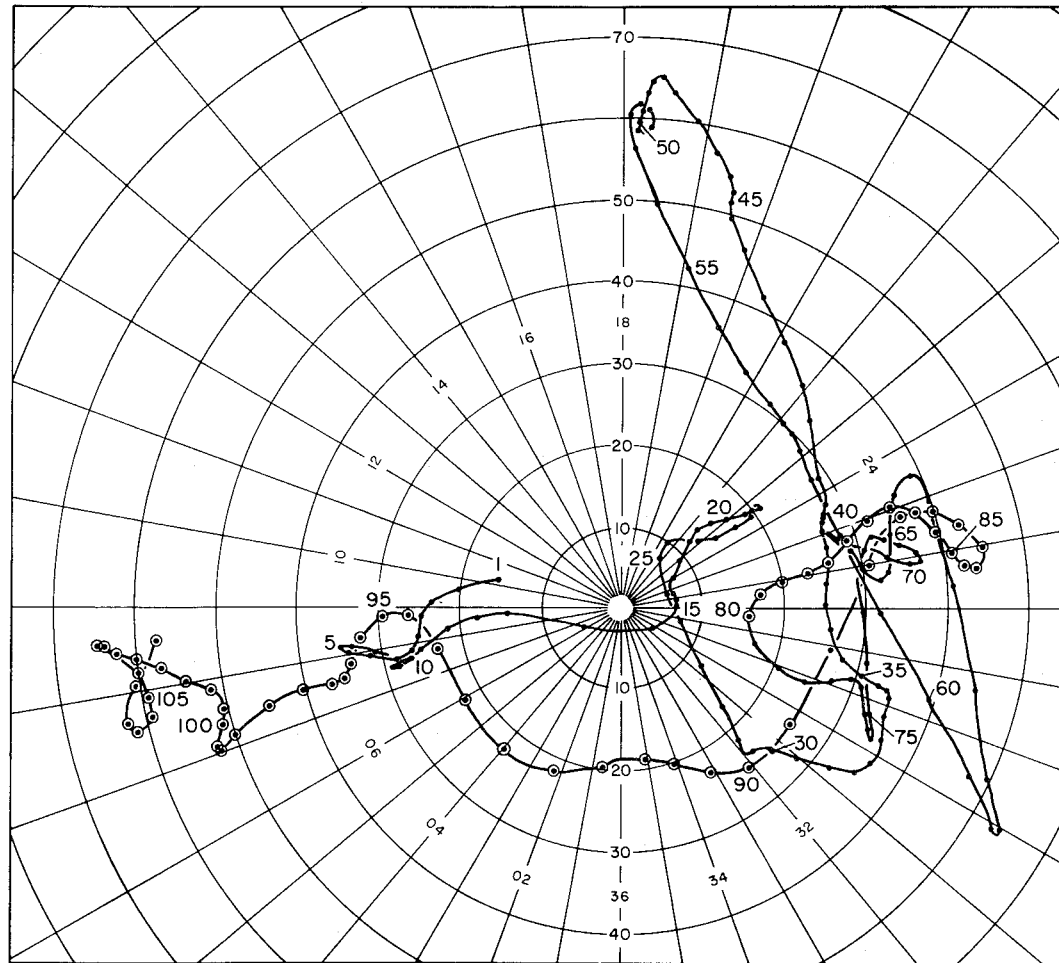


Fig. 8 Hodograph of winds at Christmas Island, 1650 GMT, 8 April 1967, after smoothing with meso-pass filter. The time after release is labeled every 5 min; the heights in kilometers are shown in parentheses.

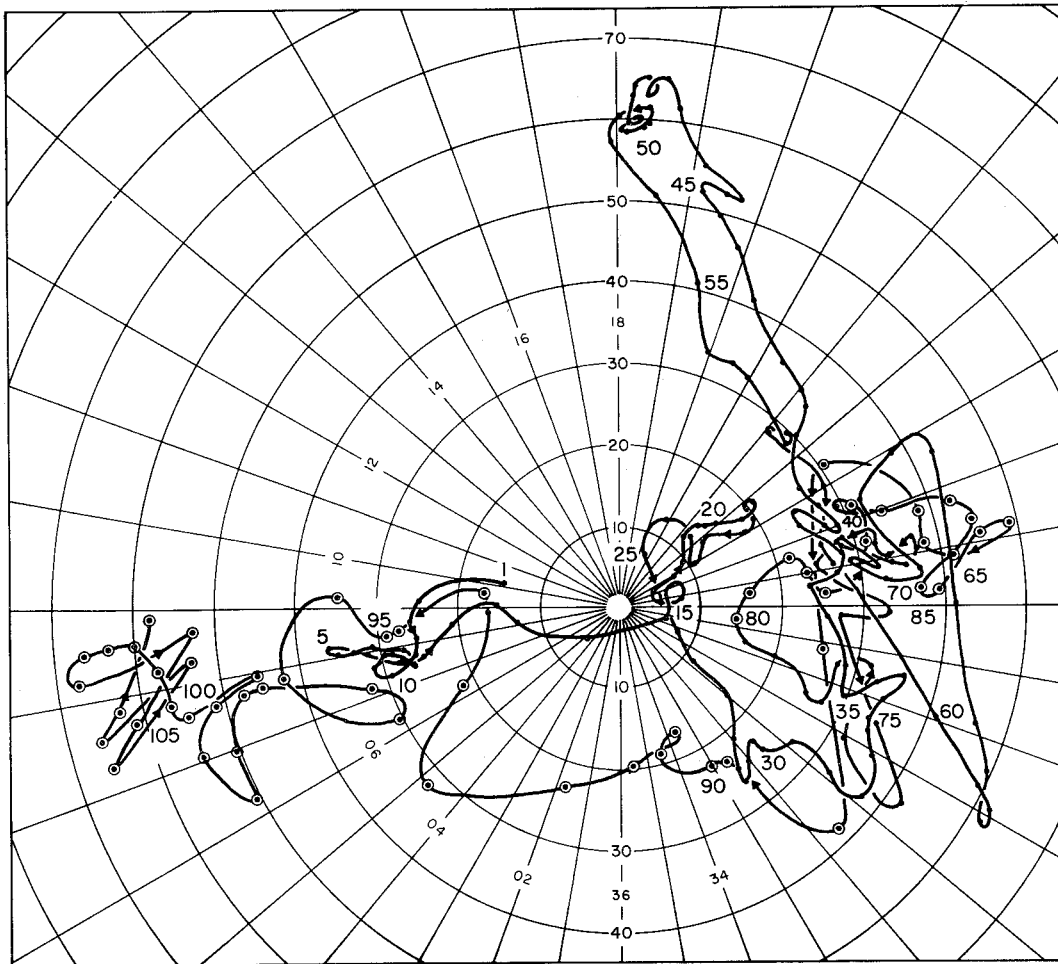


Fig. 9 Hodograph of winds at Christmas Island, 1650 GMT, 8 April 1967, with no filtering. The time after release is labeled every 5 min; the heights in kilometers are shown in parentheses.

In the manual-graphical method the wind computations change character at 7 and 14 km. From the surface to 7 km a 2-min average wind is determined for each minute. From 7 to 14 km a 2-min average is determined for each even minute, and above 14 km a 4-min average is computed for each even minute. By comparison, we compute a 1-min average wind every 0.5 min throughout the run.

On the basis of the 2- and 4-min averages one would expect the manual-graphical winds to approximate most closely those we obtain from the meso-pass filter. Actually, the conventional product (Fig. 10) more closely resembles the hodograph obtained from the macro-pass filter. This result is puzzling, but may stem from an operator's unconscious tendency to smooth graphical computations. Whether we compare the manual product (Fig. 10) with the meso-pass product (Fig. 8) or with the macro-pass product (Fig. 7), there are significant errors in the graphically computed winds. The error vectors, obtained by subtracting the vectors of Fig. 8 from the vectors of Fig 10, are presented in Fig. 11. At 17 and 18 min the error vectors have a magnitude of 19 kt, and have produced a spurious wind reversal from westerlies to easterlies.

#### H. CONCLUSIONS

Although the thermodynamic data for the LIE serial ascents were processed at significant levels only, and although the times were recorded at reference levels only, both the meso- and macroscale structures of the vector winds can be accurately determined up to approximately 17 km by the computer methods discussed in this report. Above 17 km the mesoscale components are distorted because the ascent rates of the balloon cannot be resolved with sufficient accuracy. This difficulty can be eliminated by including a separate timing device in the recording system.

It was also possible to obtain 1-min average winds at every 0.5 min because the azimuth and elevation angles were printed at this frequency. Since the microscale components of the wind cannot be resolved with GMD-1 equipment, nothing is gained by more frequent computations.



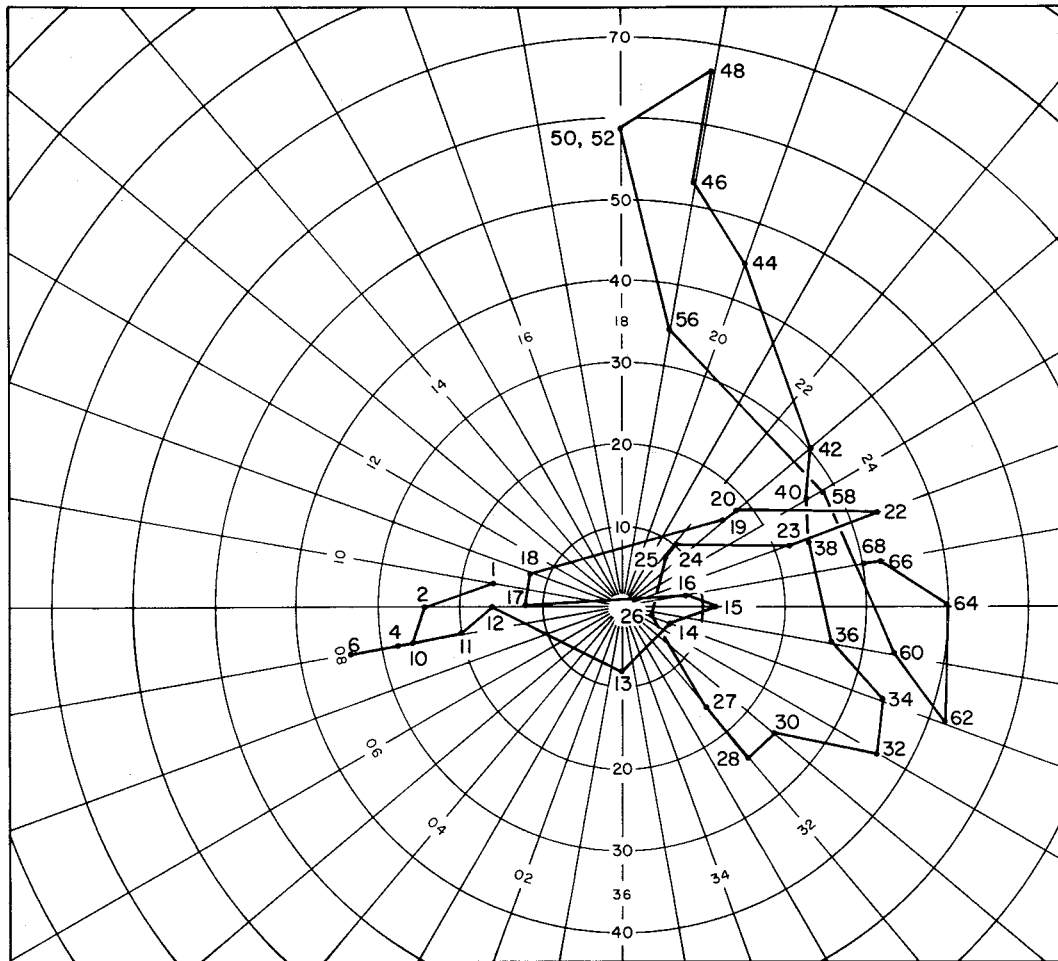


Fig. 10 Hodograph of manually computed winds at Christmas Island, 1650 GMT, 8 April 1967. The time in minutes after release is plotted for each computation. The wind vectors for minutes 3, 8, and 9 are the same as 10; 5 is the same as 6; and 7 is the same as 4.

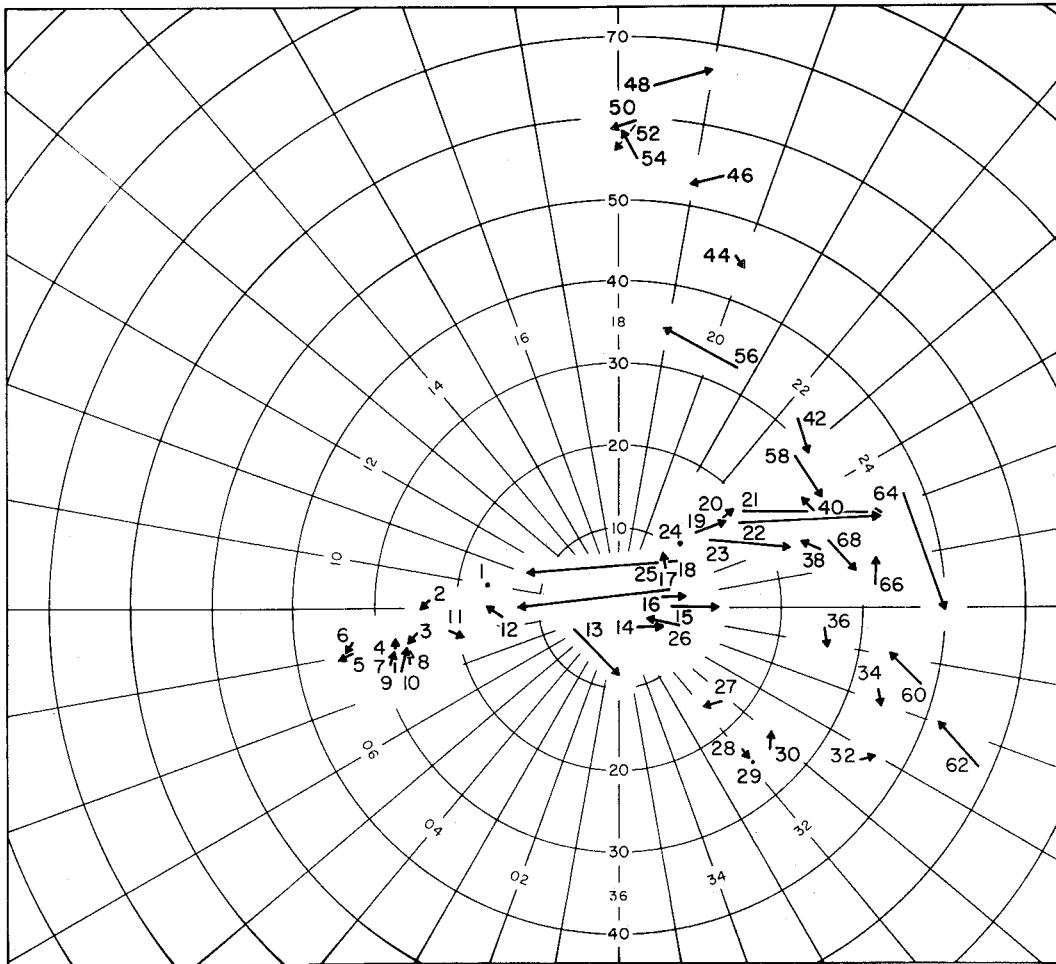


Fig. 11 Error vectors in manually computed winds at Christmas Island, 1650 GMT, 8 April 1967 (manually computed wind vectors minus meso-pass filtered wind vectors). Numbers signify time in minutes after release.

Extremely low elevation angles, which severely limit the resolution of the mesoscale components at mid-latitude stations when strong jets are present, are rarely encountered at tropical latitudes. Their absence eliminates the major source of error in the GMD tracking system which cannot discriminate between direct and reflected signals.



II. PROCESSING OF THE THERMODYNAMIC DATA OBTAINED  
FROM THE LINE ISLANDS RAWINSONDES



II. PROCESSING OF THE THERMODYNAMIC DATA OBTAINED  
FROM THE LINE ISLANDS RAWINSONDES

The thermodynamic data were recorded at significant levels according to the rules outlined by Circular P (U.S. Weather Bureau, 1957). Preliminary checks were made to insure that data were in correct order, complete, and free of obvious errors. Mean soundings for the period were then computed at 3-hr intervals (0000, 0300, 0600 GMT, etc.) for each of the islands. Individual soundings from the islands were compared with the appropriate mean in an effort to detect more subtle errors. Individual soundings from the *USC&GSS Surveyor* were compared with a single mean sounding which was based on all radiosondes from all three islands. These comparisons were made for the period 13-28 March 1967 when the *Surveyor* was near the islands. The original recorder records of soundings which had points that differed significantly from their respective mean were examined; detectable errors were corrected, and in some cases erroneous base line calibrations were adjusted.

Transcribing radiosonde data at significant levels results in temperature and relative humidity measurements at pressure levels where the slope of the recorder trace changes. To tabulate the data at specific pressure levels it was assumed that both temperature and relative humidity varied linearly with respect to the natural logarithm of pressure between significant levels. A computer program was written to interpolate temperature and relative humidity to the following levels:

1. Surface
2. 1,000-200 mb (in 25-mb intervals)
3. 200-60 mb (in 10-mb intervals)
4. 60-20 mb (in 5-mb intervals)
5. 20-10 mb (in 2-mb intervals)
6. 10-2 mb (in 1-mb intervals)

The temperature and relative humidity data obtained by interpolations between significant levels were compared to data from several

soundings which were interpolated between each contact to test the effect of interpolating between significant levels. (As the radiosonde rises and pressure decreases, an expanding aneroid pressure cell moves a contact arm across a commutator bar. Temperature and relative humidity values are transmitted to the ground as each contact is made; thus data recorded at each contact, for practical purposes, represent the maximum possible vertical resolution.) An average of 30 significant levels was recorded for soundings which terminated at 60 mb. An average of 120 contacts was made between 1,000 and 60 mb; therefore, values interpolated between each contact should represent the recorder traces more closely than values interpolated between significant levels. The data based on temperature and relative humidity evaluations at every contact were provided to us by J. Pinkerton of the University of Hawaii. Both the average deviations (average of the absolute values of the deviations) and the arithmetic average deviations (average of the deviations) were computed for several levels; the results are presented in Table 1.

Table 1

COMPARISON OF DATA INTERPOLATED FROM SIGNIFICANT LEVELS  
WITH DATA INTERPOLATED FROM EVERY CONTACT

Pressure Level (mb)	Temperature		Relative Humidity		Number of Soundings
	Avg. Dev. (°C)	Arithmetic Avg. Dev. (°C)	Avg. Dev. (%)	Arithmetic Avg. Dev. (%)	
100	0.41	0.30	-	-	41
200	0.27	-0.05	-	-	45
300	0.28	0.01	-	-	45
400	0.23	-0.03	1.54	-0.40	47
500	0.24	-0.10	2.94	0.53	48
600	0.26	0.08	2.40	-0.17	49
700	0.27	0.06	3.23	1.25	49
800	0.33	0.16	3.56	-0.47	49
900	0.29	0.09	2.75	-0.71	49



The arithmetic average deviations of both the temperature and the relative humidity differ considerably from their respective average deviations, indicating that the deviations are essentially random. In addition, the 400- and 100-mb levels were always selected as significant levels (i.e., no interpolation was required). Since the average deviations at these levels show no marked tendency to be less than at other levels, one is led to the conclusion that the deviations shown in Table 1 are attributable to errors inherent in the manual work-up rather than in the interpolation procedures. One source of error arises from the fact that significant levels do not necessarily occur at the initial point of a contact. When a significant level falls within a contact interval, the percentage of contact evident on the recorder trace is used to determine pressure from the pressure calibration tape. If the ascent rate varies significantly during a contact interval, a percentage of that contact interval on the recorder trace will not correspond to a similar percentage on the pressure calibration tape. A second source of error can be introduced when the pressure calibration tape itself is read. On a typical calibration tape the ratio of pressure in millibars to contact varies from about 20 near 1,000 mb to 4 near 100 mb. One can estimate position to about 0.1 of a contact at 1,000 mb but only to about 0.5 of a contact at 100 mb. The net result is that even the most careful individual can easily make an error of 2 mb in relating contact to pressure. A third source of error can be introduced in estimating the ordinate value of the recorder trace. Still a fourth source of error, closely related to the third, is the radiosonde temperature evaluator (U.S. Weather Bureau No. 230B) which was used to relate the ordinate of the temperature trace to actual temperature values. The ratio of temperature interval to ordinate interval varies on this evaluator from about  $2.5^{\circ}$  at  $25^{\circ}\text{C}$ , to  $1.4^{\circ}$  at  $-15^{\circ}\text{C}$ , to  $3^{\circ}$  at  $-80^{\circ}\text{C}$ . Figure 12 illustrates a likely error introduced in the reading of the evaluator as a function of pressure.

Similar errors contribute to the average relative humidity deviations, but it is also likely that the effect of the interpolation procedure on the relative humidity is somewhat larger than it is on the

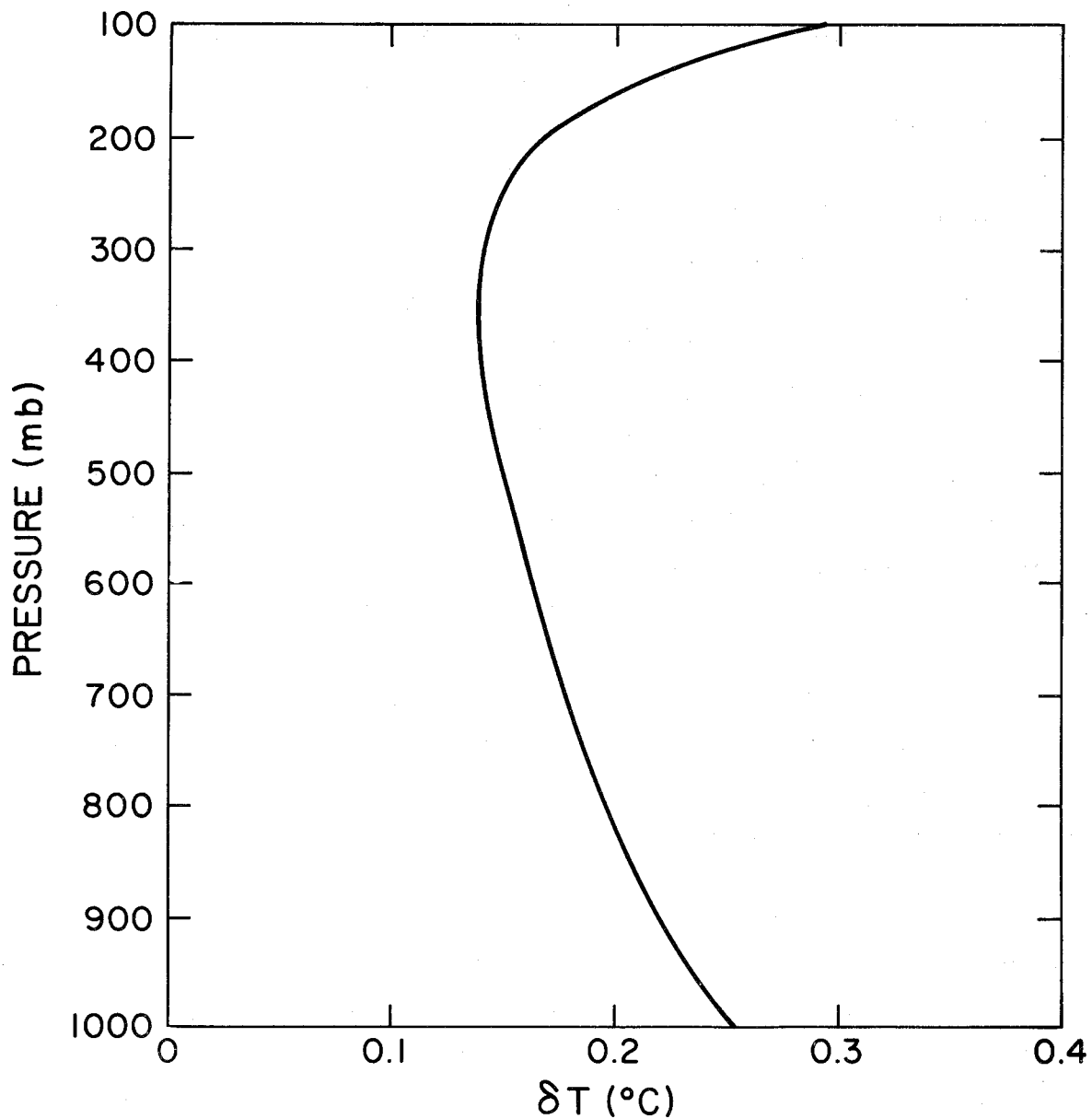


Fig. 12 Likely error,  $\delta T$ , introduced in the reading of the radiosonde temperature evaluator as a function of pressure. The figure is based on the mean temperature sounding from the LIE, and assumes that the position on the evaluator can be estimated only to within one tenth of an ordinate.

temperature. A significant level is selected whenever a point on the temperature trace differs from a constant slope by 1°C or more (2°C above 99 mb); however, a significant level due to relative humidity variations is selected when this difference is 10%. There is little doubt that when relative humidity is interpolated between contacts it will include more detail than when it is interpolated between significant levels.

Secondary parameters were determined from the following equations

$$\text{mixing ratio: } W = \frac{0.622 e}{p - e}$$

where  $e$  is the vapor pressure and  $p$  is the total pressure.

$$\text{equivalent potential temperature: } \theta_e = \theta_d \exp\left(\frac{LW}{c_p T_s}\right)$$

where  $\theta_d$  is the partial potential temperature,  $L$  is the latent heat of vaporization,  $c_p$  is the specific heat of dry air at constant pressure, and  $T_s$  is the temperature at the lifting condensation level. (A subroutine written by Bleck was used for this calculation.)

$$\text{thickness: } \Delta z = \frac{R}{9.80} \bar{T}_v \ln \frac{p}{p'}$$

$$\text{geopotential heights: } H = \Sigma \Delta z$$

where  $R$  is the gas constant for dry air,  $p$  and  $p'$  are the pressures at the bottom and top of the layer,  $\Delta z$ , respectively, and  $\bar{T}_v$  is the mean virtual temperature of the layer.



III. DATA FORMATS



### III. DATA FORMATS

The upper air data from LIE have been prepared in several formats in addition to the ones presented in this report. Since one of these other formats may be more suitable to the needs of individual scientists, a description of each is presented in this section.

#### A. MAGNETIC TAPE

Magnetic tapes containing upper air data from LIE are recorded in tape BCD on 7-channel tape. These tapes are even parity and are recorded at 556 BPI unless another density or parity is requested. The entire set of data is contained in one file of variable-length records, followed by a file mark. Records are multiples of ten characters. If the length of the data record is not a multiple of ten characters, the remaining spaces are blank.

The first 30 characters of each record contain identifying information in the following format:

<u>Field Name</u>	<u>Fortran Format Specification</u>	<u>Key</u>	<u>Meaning</u>
Data type	I2	2	Time; azimuth; elevation
		3	Pressure; time
		2	Pressure; temperature; relative humidity at significant levels
		5	Winds with no smoother applied
		6	Winds with light smoother applied
		7	Winds with heavy smoother applied
		Station	I5
91487	Fanning Island		
91490	Christmas Island		
96352	<i>Surveyor</i> (fictitious number)		

<u>Field Name</u>	<u>Fortran Format Specification</u>	<u>Key</u>	<u>Meaning</u>
Year	I2	67	1967
Month	I2	1	January, etc.
Day	I2	1-31	Day of month
Hour	I2	0-23	Hour and minute of day (GMT)
Minute	I2	0-59	
Levels	I3		Number of levels in sounding
Start time	F4.1		Time of first level
	6X		Not used

The tape is sequenced on the first 17 characters of the identification field. The formats for the data fields vary for each data type. The formats given below are repeated for each level of the soundings. All decimal points are implied. The data levels begin with character number 31.

<u>Data Type</u>	<u>Variable</u>	<u>Fortran Format Specification</u>	<u>Units</u>
2	Time	F4.1	Minutes
	Elevation	F3.1	Degrees (0 = missing)
	Azimuth	F4.1	Degrees (0 = missing)
3	Pressure	F5.1	Millibars
	Time	F4.1	Minutes
4	Pressure	F5.1	Millibars
	Temperature	F5.1	Degrees Centigrade
	Relative humidity	F3.0	Percent
5,6,7	Height	F5.0	Meters
	Flag	I1	This value indicates the number of azimuth and elevation values from the original data that were used in computing wind at this level. Missing data were interpolated. A "9" indicates 9 or 10 values were available from the original data. A "0" indicates all values used for this level were interpolated.
	Direction	F3.0	Degrees
	Speed	F4.1	Meters per second

*Note:* Winds are computed for every 0.5 min beginning at start time. The first level is start time; the second is start time +0.5, etc.



## B. THERMODYNAMIC PLOTS

Figure 13 is an example of the thermodynamic plots produced by the NCAR computer. The program for this plotting was adapted from a more general program written by Bleck. Microfilm copies of similar plots of all the soundings can be obtained by interested investigators.

## C. VERTICAL-TIME SECTIONS OF UPPER WINDS

Microfilm copies of computer-plotted, vertical-time sections of the meso-pass filtered winds are available either in the form of directions and speeds or in the form of u and v components. Unfiltered or macro-pass filtered winds can be prepared on request. These vertical-time sections contain component winds in meters per second at 500-m intervals from 500 to 40,000 m. The analysis presented in Fig. 14 is based on these vertical-time sections. Microfilm copies of vertical-time sections of the upper level winds plotted in the conventional form (a barb for 10 kt, a flag for 50 kt) are also available.

## D. VERTICAL-TIME SECTIONS OF 24-hr MEAN DATA

Microfilm copies are available of vertical-time sections of 24-hr mean data, consisting of one plot per day. Each plot is the 24-hr mean, made up of from one to eight soundings of the upper level data for that day. The data are plotted at 50-mb intervals from 1,000 to 100 mb. Data which have been plotted in these sections are mean temperature, mean relative humidity, and mean wind components. In addition, vertical-time sections of the deviations of the 24-hr mean temperatures and relative humidities from their respective long-term means have been prepared.

## E. DEVIATIONS OF TEMPERATURE AND MIXING RATIO

Microfilm copies of plots of individual temperatures and mixing ratio deviations from their respective long-term means are available. These plots were originally prepared to aid in finding errors in the data, but they may find use in analysis.

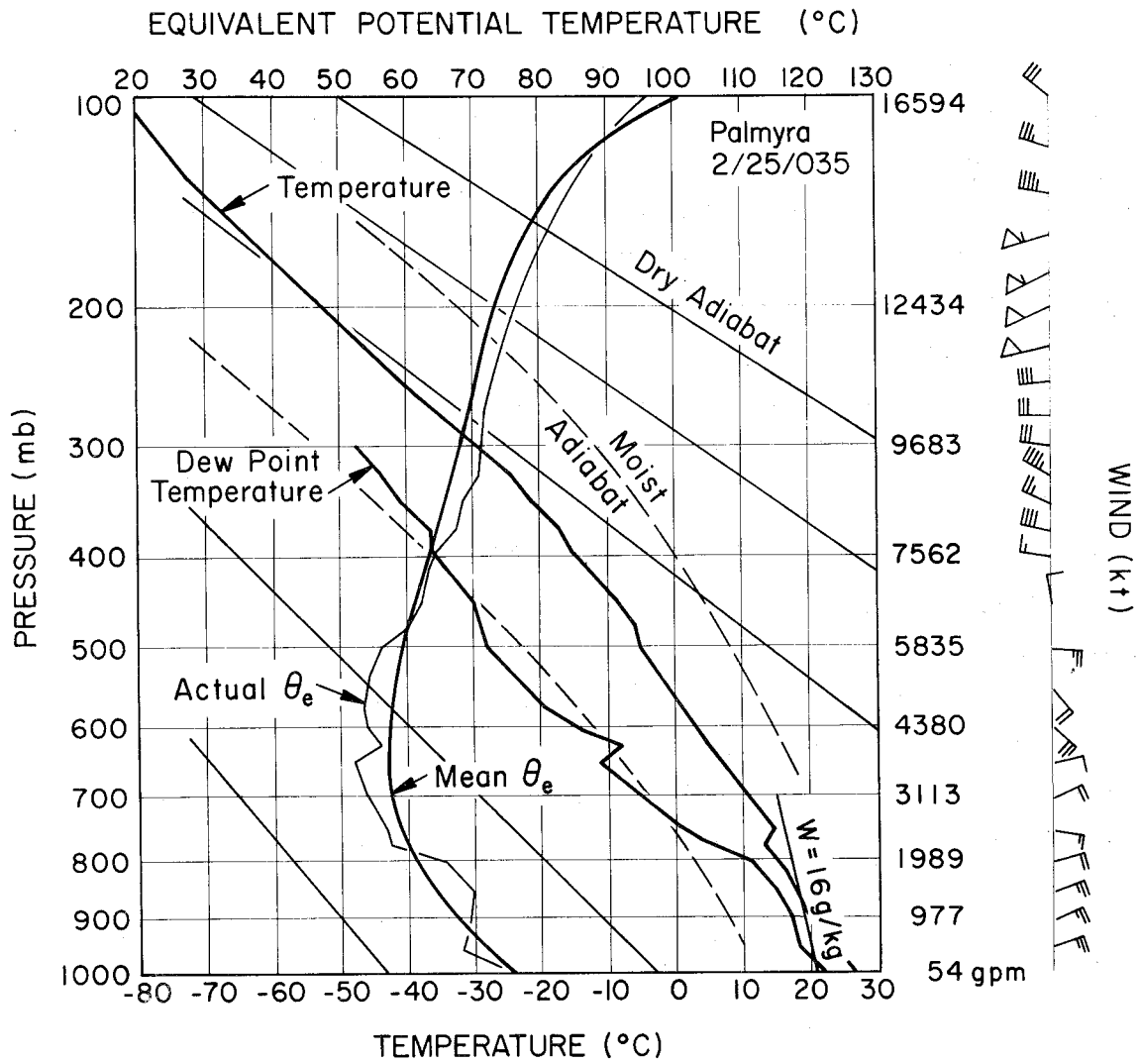


Fig. 13 Example of rawinsonde data plotted on NCAR computer.

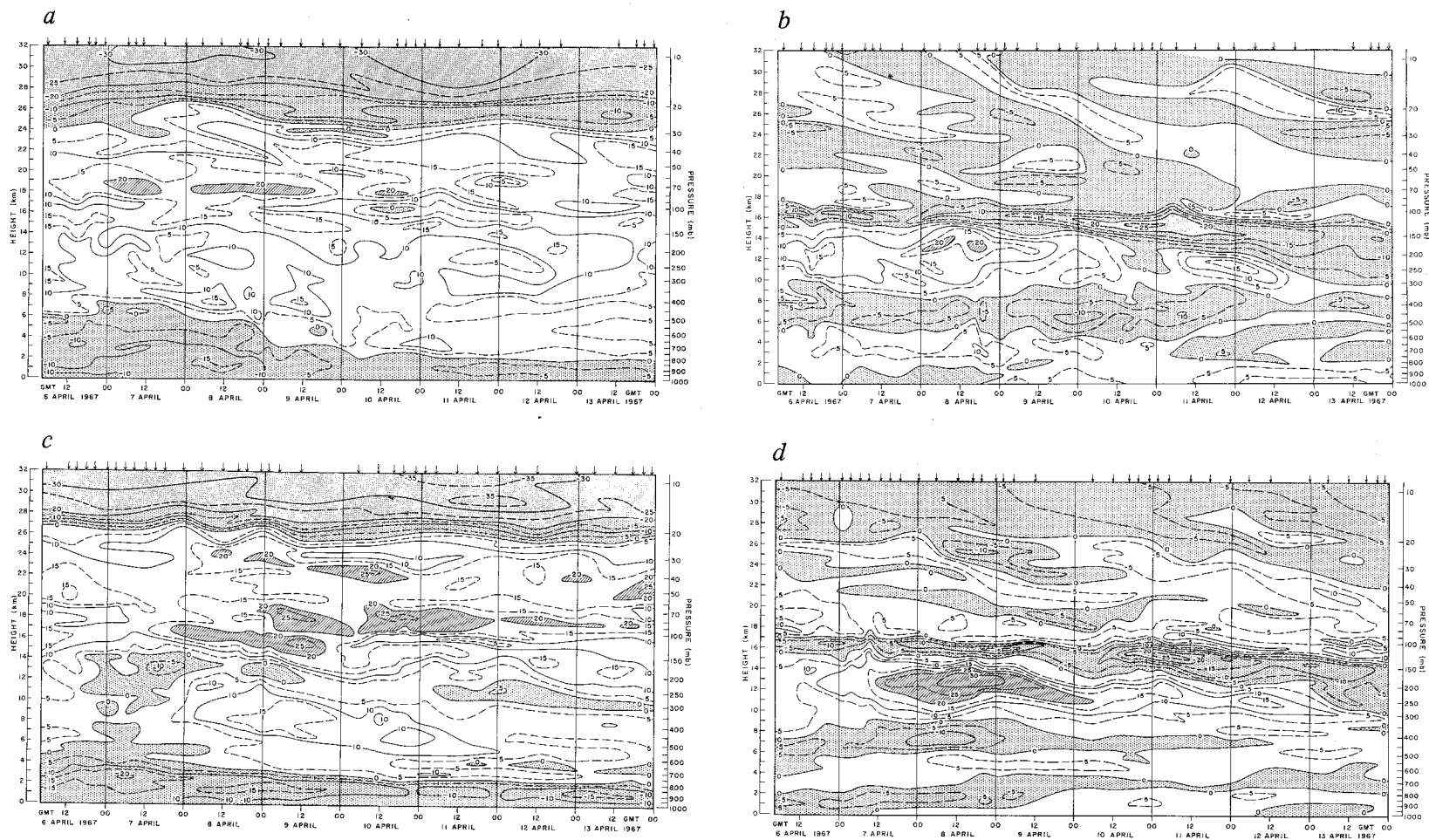


Fig. 14 Vertical time sections of the zonal wind (a) and meridional wind (b) at Palmyra Island, and the zonal wind (c) and meridional wind (d) at Christmas Island. Isotachs are in meters per second. The times of individual rawinsonde releases are given by the arrows along the tops of the sections.

Inquiries concerning any of the LIE data may be addressed to the LIE Data Center, NCAR. Specific requests for magnetic tape data may be directed to D. Joseph; requests for data listed in the other formats may be directed to R. Madden.

## IV. THERMODYNAMIC STATISTICS



#### IV. THERMODYNAMIC STATISTICS

Tabulations of period means of the thermodynamic data for each of the islands and for the *Surveyor* are contained in this section. The means tabulated for the islands include all the soundings, while those of the *Surveyor* include only those soundings taken during the period 13-28 March 1967. In addition to the period means, the mean data were computed at 3-hr intervals for each of the islands. Since the 0300, 0900, 1500, and 2100 GMT periods had relatively few soundings, and since these balloon release times are somewhat biased toward periods of disturbed weather, only the 0000, 0600, 1200, and 1800 GMT means are presented here. The diurnal variations evident indicate that the 0000 GMT (1400 local time) soundings tend to show a higher temperature and a lower moisture content than soundings taken at other times. How much of this diurnal variation is real and how much is due to the instrumentation is not known at this time. A number of researchers have made very similar observations with regard to humidity, and it appears likely that the carbon strip hygrometer is *not* as well shielded and ventilated as the temperature element, and thus causes a bias toward low humidities when the instrument is exposed to solar radiation. The temperature bias is most obvious at the surface, and it is believed that the thermistor is sufficiently well shielded that the apparent diurnal temperature variations in the free atmosphere are at least partly real. In individual cases where an artificially high surface temperature was recorded, *and no significant level recorded just above the surface*, the temperatures at 1,000, 975, and even at 950 mb, determined by interpolation, may also be biased. Any user who is concerned with the details of the lowest few hundred meters of the soundings is advised to write for significant-level data or for copies of the original recorder records.

Table 2  
THERMODYNAMIC STATISTICS, PALMYRA ISLAND

P (mb)	$\bar{T}$ (°C)	$\overline{RH}$ (%)	$\bar{W}$ (g/kg)	$\bar{\theta}_e$ (°K)	$\bar{H}$ (gpm)	Number of Observ.
60	-65.4	-	-	-	19526	208
80	-74.3	-	-	-	17810	213
100	-78.9	-	-	-	16530	223
150	-67.9	-	-	-	14173	226
200	-54.3	-	-	-	12389	232
250	-42.1	-	-	-	10920	233
300	-31.9	-	-	-	9659	235
350	-23.5	-	-	-	8550	237
400	-16.6	32	0.8	336.5	7560	241
450	-10.8	36	1.4	334.5	6664	241
500	-6.0	39	2.0	332.4	5847	242
550	-1.6	43	2.7	331.1	5094	243
600	2.2	49	3.7	330.6	4395	244
650	6.1	50	4.6	330.3	3744	244
700	9.6	51	5.5	330.4	3132	245
750	12.7	58	7.1	332.1	2556	245
800	15.2	66	9.0	334.3	2010	245
850	17.5	74	11.2	337.3	1493	245
900	20.0	79	13.3	340.5	1001	246
950	22.9	82	15.6	344.9	530	246
1000	26.6	78	17.3	348.9	79	246
1009	27.3	78	17.9	350.7	0	246



Table 3  
THERMODYNAMIC STATISTICS, FANNING ISLAND

P (mb)	$\bar{T}$ (°C)	$\overline{RH}$ (%)	$\bar{W}$ (g/kg)	$\bar{\theta}_e$ (°K)	$\bar{H}$ (gpm)	Number of Observ.
60	-65.6	-	-	-	19520	192
80	-74.0	-	-	-	17805	201
100	-79.0	-	-	-	16526	209
150	-67.9	-	-	-	14171	210
200	-54.2	-	-	-	12386	215
250	-42.1	-	-	-	10916	215
300	-31.8	-	-	-	9654	218
350	-23.5	-	-	-	8546	238
400	-16.6	23	0.6	335.7	7556	252
450	-10.7	21	0.8	332.8	6661	256
500	-5.8	26	1.3	330.6	5843	256
550	-1.4	30	1.9	328.9	5090	257
600	2.5	35	2.7	327.8	4391	257
650	6.4	35	3.3	326.8	3740	258
700	10.1	39	4.3	327.2	3127	258
750	13.2	45	5.6	328.3	2550	259
800	15.7	55	7.7	331.0	2005	259
850	17.4	73	10.8	336.1	1487	259
900	19.8	79	12.9	339.1	996	259
950	22.5	82	15.2	343.4	526	259
1000	26.4	81	17.8	350.1	75	259
1008	27.1	84	19.2	354.1	0	259

Table 4  
THERMODYNAMIC STATISTICS, CHRISTMAS ISLAND

P (mb)	$\bar{T}$ (°C)	$\overline{RH}$ (%)	$\bar{W}$ (g/kg)	$\bar{\theta}_e$ (°K)	$\bar{H}$ (gpm)	Number of Observ.
60	-65.8	-	-	-	19506	222
80	-73.3	-	-	-	17790	232
100	-79.1	-	-	-	16508	234
150	-68.0	-	-	-	14156	236
200	-54.6	-	-	-	12373	238
250	-42.7	-	-	-	10906	240
300	-32.6	-	-	-	9649	241
350	-24.1	-	-	-	8543	241
400	-17.0	21	0.5	334.9	7555	242
450	-10.9	19	0.7	332.2	6660	242
500	-5.9	21	1.0	329.6	5843	243
550	-1.6	26	1.6	327.6	5090	243
600	2.2	30	2.2	326.1	4393	243
650	6.2	31	2.8	325.3	3742	243
700	9.9	33	3.6	325.0	3130	244
750	13.2	37	4.6	325.5	2553	244
800	15.7	44	6.1	326.5	2008	244
850	17.2	62	8.9	330.3	1491	244
900	19.1	76	11.7	334.9	1001	244
950	21.6	82	14.2	339.3	532	244
1000	25.4	80	16.7	345.8	83	244
1009	26.8	82	18.2	351.0	0	244

Table 5

THERMODYNAMIC STATISTICS, *SURVEYOR*

P (mb)	$\bar{T}$ (°C)	$\overline{RH}$ (%)	$\bar{W}$ (g/kg)	$\bar{\theta}_e$ (°K)	$\bar{H}$ (gpm)	Number of Observ.
60	-65.9	-	-	-	19520	35
80	-73.1	-	-	-	17800	40
100	-78.8	-	-	-	16511	46
150	-68.0	-	-	-	14155	60
200	-54.8	-	-	-	12368	69
250	-42.9	-	-	-	10904	71
300	-33.0	-	-	-	9647	74
350	-24.7	-	-	-	8544	74
400	-17.5	31	0.8	335.0	7558	76
450	-11.5	31	1.1	332.8	6665	77
500	-6.3	34	1.7	331.2	5850	80
550	-2.2	47	2.9	331.0	5098	81
600	1.7	54	4.0	331.0	4401	82
650	5.9	45	4.1	328.8	3750	82
700	9.3	50	5.4	329.6	3139	83
750	12.3	57	7.0	331.3	2563	83
800	14.7	67	9.2	334.1	2019	83
850	17.0	78	11.6	337.8	1503	83
900	19.7	80	13.3	340.0	1011	83
950	22.4	82	15.3	343.6	542	84
1000	25.9	81	17.6	349.0	91	84
1010	26.6	82	18.4	351.0	0	84

Table 6

## MEAN DATA FOR PRIMARY SYNOPTIC TIMES, PALMYRA ISLAND

0000 GMT						0600 GMT				
$\bar{T}$ (°C)	$\overline{RH}$ (%)	$\bar{W}$ (g/kg)	$\bar{\theta}_e$ (°K)	Number of Observ.	P (mb)	$\bar{T}$ (°C)	$\overline{RH}$ (%)	$\bar{W}$ (g/kg)	$\bar{\theta}_e$ (°K)	Number of Observ.
-64.8	-	-	-	38	60	-66.2	-	-	-	40
-74.0	-	-	-	39	80	-75.0	-	-	-	42
-78.4	-	-	-	44	100	-79.5	-	-	-	43
-67.4	-	-	-	44	150	-68.3	-	-	-	43
-54.0	-	-	-	45	200	-54.5	-	-	-	45
-41.6	-	-	-	46	250	-42.5	-	-	-	45
-31.2	-	-	-	46	300	-32.2	-	-	-	45
-22.7	-	-	-	46	350	-23.9	-	-	-	45
-16.0	27	0.8	337.1	47	400	-17.0	36	0.9	336.2	45
-10.1	30	1.2	334.9	47	450	-11.1	41	1.5	334.5	45
-5.5	31	1.6	331.8	47	500	-6.1	46	2.2	333.2	45
-1.3	34	2.2	329.9	47	550	-1.7	53	3.3	332.9	45
2.4	41	3.2	329.2	47	600	2.2	55	4.1	332.0	45
6.2	44	4.1	329.0	47	650	6.1	55	5.0	331.8	45
9.7	45	4.9	328.5	47	700	9.9	51	5.7	331.1	45
12.7	50	6.2	329.4	47	750	12.8	61	7.6	333.3	45
15.4	54	7.5	330.0	47	800	15.4	68	9.5	335.7	45
17.4	63	9.4	331.8	47	850	17.6	78	11.7	338.8	45
20.0	67	11.2	334.3	47	900	20.2	83	13.9	342.3	45
22.8	73	13.6	338.9	47	950	23.0	85	16.2	346.4	45
27.1	71	16.4	346.8	47	1000	26.4	80	17.7	349.3	45

Table 6 (cont.)

1200 GMT					P (mb)	1800 GMT				
$\bar{T}$ (°C)	$\overline{RH}$ (%)	$\bar{W}$ (g/kg)	$\bar{\theta}_e$ (°K)	Number of Observ.		$\bar{T}$ (°C)	$\overline{RH}$ (%)	$\bar{W}$ (g/kg)	$\bar{\theta}_e$ (°K)	Number of Observ.
-66.3	-	-	-	41	60	-64.3	-	-	-	40
-74.7	-	-	-	42	80	-74.1	-	-	-	40
-79.8	-	-	-	43	100	-78.3	-	-	-	40
-68.3	-	-	-	43	150	-67.9	-	-	-	42
-54.5	-	-	-	44	200	-54.3	-	-	-	43
-42.4	-	-	-	44	250	-42.3	-	-	-	43
-32.3	-	-	-	45	300	-32.0	-	-	-	43
-23.6	-	-	-	45	350	-23.6	-	-	-	43
-16.6	36	1.0	336.8	48	400	-16.8	29	0.7	336.0	43
-11.0	41	1.5	334.6	48	450	-10.9	33	1.2	333.9	43
-6.3	45	2.1	332.7	48	500	-6.3	36	1.7	331.2	43
-1.7	50	3.1	332.2	48	550	-2.0	42	2.6	330.3	44
2.2	52	3.9	331.2	48	600	1.8	52	3.8	330.4	45
6.2	51	4.7	330.9	48	650	5.5	55	4.9	330.5	45
9.6	58	6.3	332.4	48	700	9.1	54	5.6	329.9	46
12.8	66	8.3	335.4	48	750	12.3	58	7.0	331.3	46
15.2	76	10.4	337.9	48	800	15.0	65	8.8	333.2	46
17.6	82	12.4	340.6	48	850	17.4	75	11.1	336.6	46
20.2	88	14.8	344.8	48	900	19.9	79	13.0	339.2	47
23.1	90	17.1	349.2	48	950	22.7	82	15.2	343.3	47
26.4	83	18.3	351.2	48	1000	26.1	79	17.1	347.4	47

Table 7

## MEAN DATA FOR PRIMARY SYNOPTIC TIMES, FANNING ISLAND

0000 GMT						0600 GMT				
$\bar{T}$ (°C)	$\overline{RH}$ (%)	$\bar{W}$ (g/kg)	$\bar{\theta}_e$ (°K)	Number of Observ.	P (mb)	$\bar{T}$ (°C)	$\overline{RH}$ (%)	$\bar{W}$ (g/kg)	$\bar{\theta}_e$ (°K)	Number of Observ.
-65.3	-	-	-	46	60	-66.4	-	-	-	20
-73.4	-	-	-	47	80	-75.0	-	-	-	23
-78.2	-	-	-	48	100	-80.2	-	-	-	25
-67.2	-	-	-	48	150	-68.6	-	-	-	26
-53.7	-	-	-	48	200	-54.6	-	-	-	29
-41.4	-	-	-	48	250	-42.3	-	-	-	29
-31.2	-	-	-	48	300	-31.9	-	-	-	30
-22.9	-	-	-	48	350	-23.7	-	-	-	42
-16.1	19	0.5	336.0	48	400	-16.8	29	0.7	336.0	48
-10.2	18	0.7	333.2	48	450	-10.7	23	0.9	332.9	49
-5.2	22	1.1	330.6	48	500	-5.8	28	1.4	330.8	49
-0.9	25	1.6	328.6	48	550	-1.4	30	1.9	329.0	49
3.0	28	2.2	327.0	48	600	2.5	37	2.8	328.4	49
7.0	27	2.6	325.5	48	650	6.4	37	3.5	327.4	49
10.7	31	3.6	325.8	48	700	10.2	40	4.5	328.0	49
13.7	35	4.6	325.9	48	750	13.3	48	6.2	330.0	49
15.8	45	6.5	327.5	48	800	15.9	61	8.7	334.0	49
17.5	63	9.5	332.3	48	850	17.5	81	12.2	339.9	49
20.0	68	11.4	335.0	48	900	19.9	87	14.2	342.7	49
22.8	73	13.7	339.2	48	950	22.6	88	16.2	346.2	49
27.3	70	16.5	347.3	48	1000	26.2	84	18.4	351.3	49

Table 7 (cont.)

1200 GMT					P (mb)	1800 GMT				
$\bar{T}$ (°C)	$\overline{RH}$ (%)	$\bar{W}$ (g/kg)	$\bar{\theta}_e$ (°K)	Number of Observ.		$\bar{T}$ (°C)	$\overline{RH}$ (%)	$\bar{W}$ (g/kg)	$\bar{\theta}_e$ (°K)	Number of Observ.
-66.4	-	-	-	41	60	-64.9	-	-	-	24
-74.7	-	-	-	41	80	-74.0	-	-	-	26
-79.9	-	-	-	45	100	-78.6	-	-	-	26
-68.2	-	-	-	45	150	-67.9	-	-	-	26
-54.6	-	-	-	45	200	-54.3	-	-	-	28
-42.5	-	-	-	45	250	-42.1	-	-	-	28
-32.2	-	-	-	45	300	-31.8	-	-	-	29
-23.9	-	-	-	45	350	-23.6	-	-	-	36
-16.9	25	0.6	335.4	45	400	-16.8	23	0.6	335.5	44
-11.0	24	0.9	332.6	46	450	-10.8	23	0.8	332.7	46
-6.2	31	1.5	330.7	46	500	-5.9	25	1.3	330.3	46
-1.9	36	2.2	329.2	46	550	-1.4	31	2.0	329.1	47
2.1	42	3.1	328.7	46	600	2.3	37	2.8	328.0	47
6.1	40	3.7	327.7	47	650	6.1	39	3.6	327.4	47
9.7	43	4.6	327.8	47	700	9.9	43	4.8	328.3	47
12.9	50	6.3	329.7	47	750	13.0	48	6.0	329.2	47
15.3	61	8.5	332.8	47	800	15.6	57	8.1	331.9	47
17.1	80	11.6	337.8	47	850	17.2	74	10.8	335.7	47
19.6	84	13.6	340.5	47	900	19.6	79	12.7	338.1	47
22.3	88	15.9	344.7	47	950	22.3	83	15.1	342.5	47
25.6	88	18.6	351.0	47	1000	26.0	81	17.4	348.1	47

Table 8

## MEAN DATA FOR PRIMARY SYNOPTIC TIMES, CHRISTMAS ISLAND

0000 GMT						0600 GMT				
$\bar{T}$ (°C)	$\overline{RH}$ (%)	$\bar{w}$ (g/kg)	$\bar{\theta}_e$ (°K)	Number of Observ.	P (mb)	$\bar{T}$ (°C)	$\overline{RH}$ (%)	$\bar{w}$ (g/kg)	$\bar{\theta}_e$ (°K)	Number of Observ.
-65.6	-	-	-	42	60	-66.0	-	-	-	41
-72.7	-	-	-	42	80	-73.9	-	-	-	41
-78.8	-	-	-	42	100	-79.6	-	-	-	42
-67.5	-	-	-	42	150	-68.0	-	-	-	43
-54.0	-	-	-	42	200	-54.6	-	-	-	43
-42.1	-	-	-	43	250	-42.6	-	-	-	43
-31.9	-	-	-	43	300	-32.5	-	-	-	43
-23.4	-	-	-	43	350	-24.0	-	-	-	43
-16.2	18	0.5	335.7	43	400	-16.9	23	0.6	335.2	43
-10.2	18	0.7	333.0	43	450	-10.8	21	0.8	332.6	43
-5.3	18	1.0	330.0	43	500	-5.8	23	1.1	330.0	44
-0.9	22	1.4	327.9	43	550	-1.4	27	1.7	328.2	44
2.8	25	1.9	325.9	43	600	2.4	32	2.4	326.9	44
6.9	26	2.5	325.1	43	650	6.4	34	3.2	326.4	44
10.5	29	3.3	324.6	44	700	10.0	37	4.1	326.5	44
13.8	33	4.4	325.5	44	750	13.5	40	5.2	327.4	44
16.4	38	5.6	325.9	44	800	15.8	49	7.0	329.1	44
17.8	51	7.8	327.9	44	850	17.6	64	9.7	332.9	44
19.8	62	10.1	331.0	44	900	19.4	80	12.8	338.1	44
21.9	69	12.3	334.4	44	950	21.9	88	15.5	343.2	44
26.0	68	14.7	340.8	44	1000	25.2	86	17.6	347.9	44



Table 8 (cont.)

1200 GMT					P (mb)	1800 GMT				
$\bar{T}$ (°C)	$\overline{RH}$ (%)	$\bar{W}$ (g/kg)	$\bar{\theta}_e$ (°K)	Number of Observ.		$\bar{T}$ (°C)	$\overline{RH}$ (%)	$\bar{W}$ (g/kg)	$\bar{\theta}_e$ (°K)	Number of Observ.
-66.5	-	-	-	44	60	-65.0	-	-	-	40
-74.3	-	-	-	44	80	-72.5	-	-	-	42
-79.9	-	-	-	44	100	-78.6	-	-	-	42
-68.9	-	-	-	44	150	-67.8	-	-	-	42
-55.4	-	-	-	44	200	-54.5	-	-	-	43
-43.5	-	-	-	44	250	-42.7	-	-	-	43
-33.3	-	-	-	45	300	-32.5	-	-	-	43
-24.8	-	-	-	45	350	-24.2	-	-	-	43
-17.8	24	0.6	334.0	45	400	-17.2	21	0.5	334.6	43
-11.7	20	0.7	331.1	45	450	-11.1	19	0.7	331.9	43
-6.8	22	1.0	328.4	45	500	-6.2	22	1.0	329.1	43
-2.5	29	1.7	326.8	45	550	-1.9	25	1.5	326.9	43
1.4	34	2.4	325.7	45	600	2.0	29	2.2	325.6	43
5.4	35	3.0	324.9	45	650	5.9	31	2.8	324.6	43
9.0	37	3.9	324.6	45	700	9.7	32	3.5	324.5	43
12.5	38	4.7	324.7	45	750	12.9	36	4.5	324.6	43
15.0	44	6.0	325.2	45	800	15.3	42	5.8	325.1	43
16.5	66	9.3	330.6	45	850	16.4	68	9.5	330.9	43
18.1	87	12.8	336.6	45	900	18.5	79	11.9	334.5	43
20.8	91	15.0	340.4	45	950	21.1	83	14.0	338.2	43
24.7	87	17.3	346.4	45	1000	25.2	82	16.9	345.8	43



V. DATA RELIABILITY AND LIMITATIONS



## V. DATA RELIABILITY AND LIMITATIONS

The preceding sections discuss the data reduction procedures and many of the factors bearing on data reliability. Here we present further background information and some specific comments about the reliability and limitations of the rawinsonde data tabulated in the appendixes.

A description of the rawinsonde release sites and of the GMD equipment is contained in LIE Report No. 1. Using sling psychrometers at these sites, rawinsonde operators obtained surface temperature and relative humidity data, which are listed with the thermodynamic data. The errors introduced by this procedure can be significant, especially during the daylight hours. If a significant level is recorded just above the surface, these errors can be essentially eliminated in the tabulations even by the 1,000-mb level. On the other hand, if the first significant level is not recorded until well above the surface, errors introduced by the surface observation will be present (although diminishing with height) up to that level. We see no objective procedure to correct the data for this error. Investigators who are concerned with the details of the temperature and humidity structure of the sub-cloud layer have several recourses. First, the significant-level data are available on microfilm. Second, copies of the original recorder records can be obtained for contact-by-contact evaluation. Third, and perhaps most important for those who are interested in estimating *time rates of change* of temperature and humidity, surface data at carefully selected observing sites near the rawinsonde release points are available. Hourly tabulations are included in LIE Report No. 1, and copies of all autographic records for all islands are available in two microfilm rolls. While these surface data also contain errors, they have the great advantage of consistency, and time rates of change can be evaluated with considerable success.

The upper air temperatures and relative humidities are subject to many possible errors, as discussed in Sect. II. It is our subjective judgment that, in spite of these many contributing error sources, the random errors in upper air temperatures are limited to within  $\pm 0.5^{\circ}\text{C}$

in the troposphere for 90% of the cases. This figure may increase to about  $\pm 1^\circ\text{C}$  in the stratosphere where there are often rapid vertical temperature changes; such changes are apt to be neglected to some degree when data are recorded at significant levels.

We believe that most of the *random* errors in humidity are limited to  $\pm 10\%$ . (This does not apply to high levels, where moisture parameters are generally regarded as unreliable at temperatures less than  $-40^\circ\text{C}$ .) The *systematic* errors in humidity are particularly troublesome, however. Like the temperature data, humidity data near the surface are subject to error caused by the use of sling psychrometers for the surface measurements. These errors are more or less proportional to the intensity of solar heating of the area of the observing site. In contrast to the temperature errors, which are *greatly* reduced at the first significant level, it is clear that heating of the poorly ventilated humidity element produces a spuriously low relative humidity measurement that is serious enough to introduce an artificial component of at least 10% in the diurnal variation of relative humidity.<sup>5</sup>

The heights of constant pressure surfaces have errors that begin with surface pressure errors and accumulate with height in proportion to integrated errors in mean vertical temperature (Fig. 15). Surface pressure data are taken from LIE Report No. 1, and although pressure changes with time at a given island are probably very accurate, inter-island comparisons could have errors as large as 1 mb. (Such errors would be systematic and invariant with time.) Even though errors in heights of pressure surfaces are small by higher latitude standards, because of the proximity of the Line Islands to the equator, it remains to be seen whether the LIE height data are at all useful. For example, a systematic error in mean virtual temperature of  $0.5^\circ\text{C}$  leads to a height error of about 10 gpm at 500 mb and 30 gpm by 200 mb. Fortunately, most soundings do not have such serious errors.

---

<sup>5</sup>See Teweles, S., 1970: A spurious diurnal variation in radiosonde humidity reports. *Bull. Am. Meteorol. Soc.* 51(9), 836-840; and Morrissey, J. F. and F. J. Brousaides, 1970: Temperature-induced errors in the ML-476 humidity data. *J. Appl. Meteorol.* 9(5), 805-808.

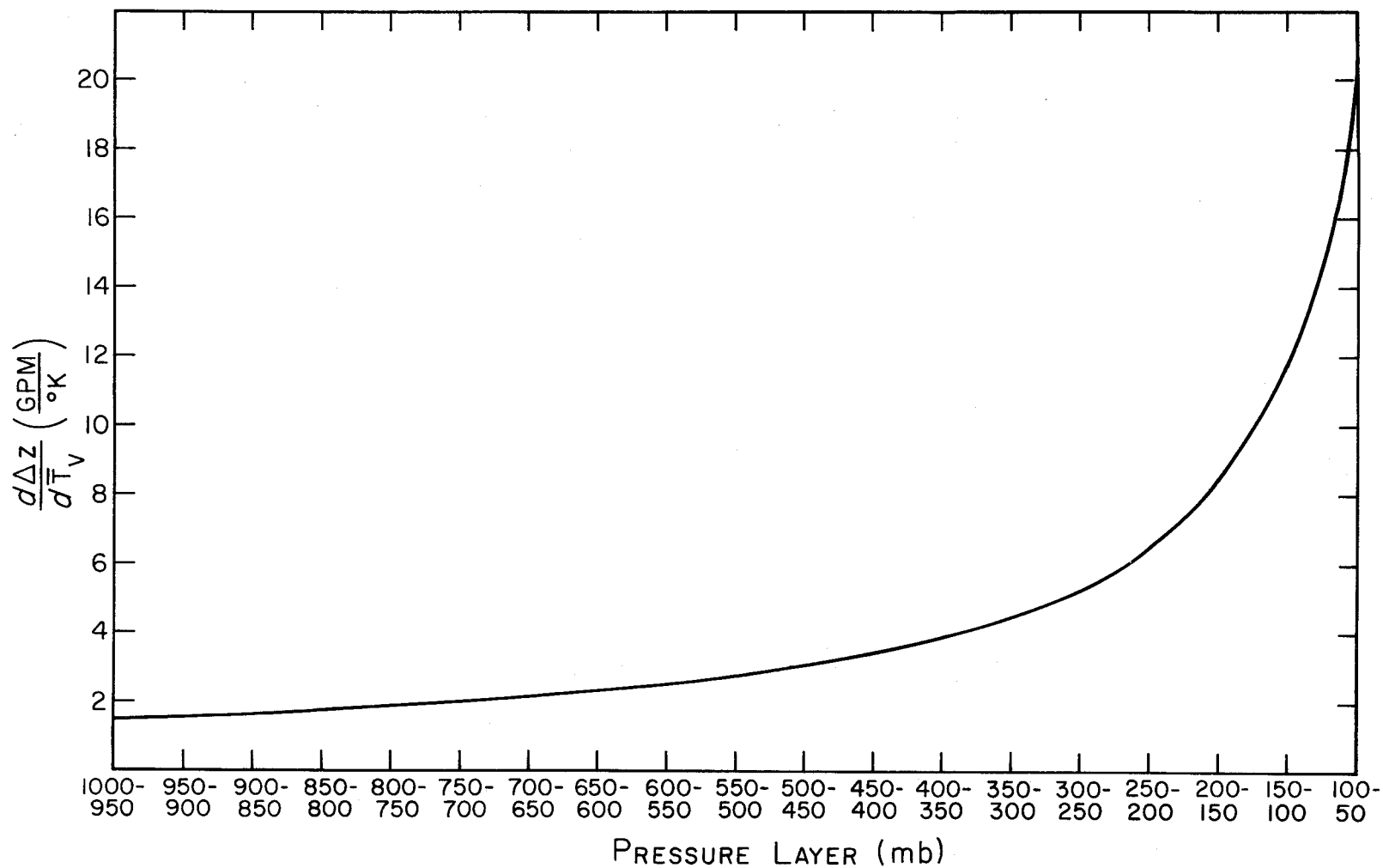


Fig. 15 The change in thickness (gpm) of a pressure layer resulting from a 1°K change in the mean virtual temperature of the layer.

Some investigators will find the vertical resolution of thermodynamic tabulations more than adequate, but many will need to know how much additional detail is available. In reducing the data from the strip charts (manually), more than the customary care was exercised to record all significant levels. An average of 30 significant levels was recorded for the LIE soundings between the surface and 60 mb. Figure 16 shows frequency distributions of the difference between temperatures actually recorded at significant levels and the temperatures at those same levels that would be interpolated from the data tabulations in the appendixes. Clearly, these differences are very serious in the stratosphere, but surprisingly minor near the "trade inversion," and mostly negligible in the middle troposphere. Nevertheless, many investigators will wish to write for copies of either the significant-level data or the original records.

Figure 14 is presented to attest to the reliability of the meso-scale wind components as computed by the methods discussed in Sect. I. The hodograph of the meso-pass filtered winds presented in Fig. 8 illustrates the undulations in the wind speed and direction over Christmas Island at 1650 GMT on 8 April. The data from this sounding are included in the third from last Christmas sounding for 8 April, presented in the vertical time sections of Fig. 14. Here both time and space continuity of these undulations are illustrated, attesting further to their reality.

Readers are cautioned that the representativeness of the mesoscale structures of the winds is somewhat degraded in the stratosphere, for reasons discussed in Sect. I. As pointed out in that discussion, the great bulk of the data does not suffer from the occurrence of low elevation angles since the sonde is first carried to the west by low level easterlies and then to the east by upper level westerlies. The distance of the sonde from the antenna is rarely large enough to result in low elevation angles; however, the sonde is occasionally carried almost directly over the antenna as a result of the reversal of wind direction. Because of rapid changes in both elevation and azimuth at these times,



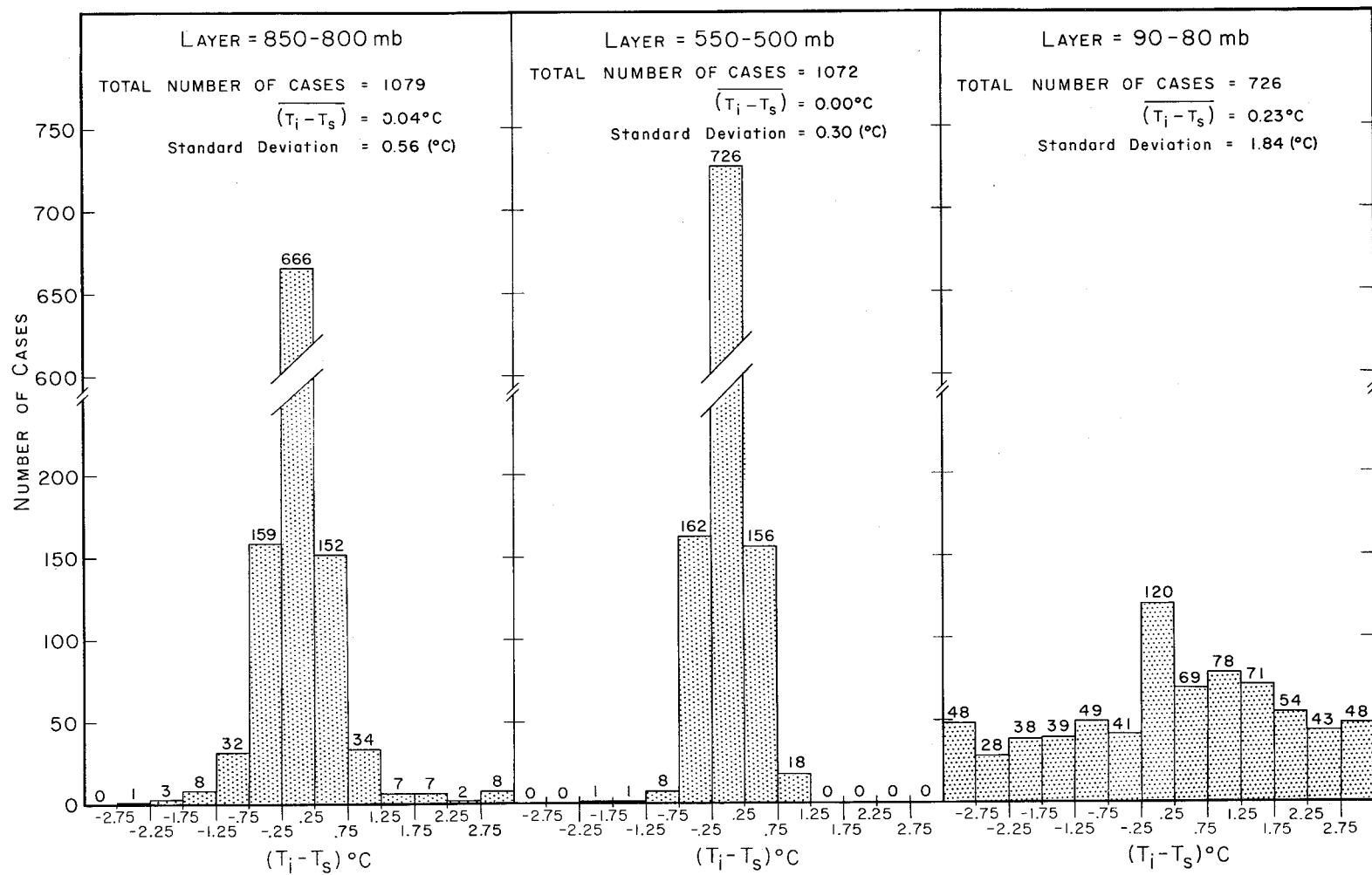


Fig. 16 Frequency distributions of the difference between temperatures actually recorded at significant levels (T<sub>s</sub>) and the temperatures at those same levels that would be interpolated (T<sub>i</sub>) from the data tabulations in the appendixes. These distributions are a measure of the precision with which the tabulated soundings reproduce the details available in the significant level data.

the track of the sonde can be poor, and angles are not recorded. The resulting winds are based on interpolated angles (these winds are indicated by the interpolation flag to be explained in Sect. II of Vol. II).

Although the upper level wind data from the Line Islands themselves appear to be very reliable in their detail, a similar conclusion cannot be drawn concerning the upper level wind data from the *Surveyor*. These data were determined by rabals (i.e., balloon-borne radiosondes tracked visually with a theodolite). Quite frequently the balloon is lost behind a cumulus cloud before it reaches a height of 2 or 3 km, and it is only rarely that a track is maintained to 5 km. The azimuth and elevation angles are sampled only once per minute. Probably the most significant sources of error are inaccuracies in determining ship heading and speed. The soundings showing strongest easterly winds immediately above the surface are thought to reflect this class of error.

## VI. PRESENTATION OF THE THERMODYNAMIC DATA



## VI. PRESENTATION OF THE THERMODYNAMIC DATA

To facilitate cross reference between this volume and Vol. II (wind data), the thermodynamic data are arranged in four appendixes. Appendix A contains thermodynamic data from Palmyra, Fanning, and Christmas Islands. Pressure (P), temperature (T), relative humidity (RH), mixing ratio (W), equivalent potential temperature (EPT), and geopotential height (H) are tabulated for each sounding from the surface to 60 mb. The month, day, hour, and minute of balloon release is printed above each sounding. An "M" represents missing data. Appendix A of Vol. II contains the corresponding upper wind data from the three islands arranged in identical page sequence to the entries of Appendix A in this volume.

Appendix B contains the day-to-day positions of the *Surveyor*, followed by the thermodynamic data below 60 mb obtained from the shipboard soundings. The corresponding upper wind data from the *Surveyor* are tabulated in Appendix B, Vol. II; the page sequence is similar but not identical.

Appendix C contains pressure, temperature, and equivalent potential temperature (since moisture content is nearly zero, this is equivalent to both partial potential temperature and potential temperature), and geopotential height for each sounding from 60 mb to termination, from the three islands. Appendix C of Vol. II contains the corresponding upper wind data above 60 mb from the three islands.

Appendix D contains similar thermodynamic data above 60 mb from the *Surveyor*. Since the radiosonde balloons were visually tracked aboard the *Surveyor* there are no corresponding upper wind data above 60 mb contained in Vol. II.



APPENDIX A: THERMODYNAMIC DATA BELOW 60 mb

Palmyra Island . . . . .

Fanning Island . . . . .

Christmas Island . . . . .





LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA PALMYRA ISLAND

2/25 035 GMT					2/25 1258 GMT					2/26 017 GMT					2/26 12 0 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-66.9	0	0.0	461.1	19578	-68.1	0	0.0	458.5	19484	-69.7	0	0.0	455.0	19473	-70.7	0	0.0	452.7	19505	60
70	-71.7	0	0.0	431.0	18658	-71.5	0	0.0	431.4	18564	-70.8	0	0.0	432.9	18552	-74.0	0	0.0	426.1	18593	70
80	-72.0	0	0.0	414.2	17869	-77.2	0	0.0	403.5	17792	-75.5	0	0.0	407.1	17771	-78.1	0	0.0	401.6	17826	80
90	-79.7	0	0.0	385.1	17187	-85.4	0	0.0	373.8	17122	-78.2	0	0.0	388.2	17094	-79.8	0	0.0	385.1	17156	90
100	-81.7	18	.0	369.9	16594	-84.6	23	.0	364.3	16541	-80.6	44	.0	372.0	16496	-81.2	0	0.0	370.9	16562	100
110	-78.4	18	.0	366.2	16055	-81.1	23	.0	361.0	16010	-80.9	44	.0	361.5	15961	-78.9	0	0.0	365.2	16023	110
120	-75.3	18	.0	362.8	15554	-78.0	23	.0	358.0	15517	-78.0	44	.0	357.9	15467	-76.8	0	0.0	360.1	15525	120
130	-72.6	18	.0	359.6	15087	-74.7	23	.0	355.7	15055	-75.0	44	.0	355.2	15006	-74.9	0	0.0	355.4	15063	130
140	-69.5	18	.0	357.5	14649	-71.0	22	.0	354.7	14621	-72.2	44	.0	352.7	14573	-71.3	0	0.0	354.2	14629	140
150	-66.3	18	.0	356.0	14234	-67.6	21	.0	353.7	14209	-68.6	44	.0	352.1	14164	-67.8	0	0.0	353.3	14217	150
160	-63.3	18	.0	354.6	13840	-64.4	21	.0	352.7	13817	-65.1	44	.0	351.4	13774	-64.6	0	0.0	352.3	13826	160
170	-60.4	18	.0	353.2	13465	-61.4	20	.0	351.6	13444	-61.9	44	.0	350.7	13402	-61.5	0	0.0	351.4	13453	170
180	-57.8	18	.0	351.8	13107	-58.5	20	.0	350.6	13087	-58.9	44	.0	350.0	13045	-58.4	0	0.0	350.6	13096	180
190	-55.2	18	.0	350.6	12764	-55.8	19	.0	349.6	12745	-56.1	44	.0	349.3	12704	-55.5	0	0.0	350.0	12754	190
200	-52.5	18	.0	349.7	12434	-53.2	19	.0	348.6	12417	-53.3	43	.1	348.6	12376	-52.7	0	0.0	349.3	12425	200
225	-46.3	18	.0	347.8	11663	-47.0	18	.0	346.6	11648	-47.1	43	.1	346.8	11607	-46.3	0	0.0	347.5	11654	225
250	-40.4	17	.1	346.3	10954	-41.2	18	.1	345.2	10941	-41.6	47	.2	345.0	10901	-40.6	0	0.0	345.7	10945	250
275	-35.1	16	.1	344.9	10297	-35.9	18	.1	343.8	10286	-36.6	50	.3	343.4	10247	-35.4	M	M	M	10289	275
300	-29.6	16	.2	344.4	9683	-30.7	17	.2	342.9	9675	-32.1	53	.5	342.0	9638	-30.5	M	M	M	9677	300
325	-24.2	15	.2	344.3	9106	-25.5	15	.2	342.5	9100	-27.9	56	.7	340.7	9068	-25.5	M	M	M	9102	325
350	-20.9	15	.3	341.8	8562	-21.1	14	.3	341.5	8558	-24.1	58	.9	339.7	8531	-21.2	M	M	M	8560	350
375	-17.0	17	.5	341.0	8048	-17.7	16	.4	339.7	8045	-20.5	61	1.2	339.0	8023	-18.1	M	M	M	8047	375
400	-14.7	15	.5	337.7	7562	-14.8	18	.5	337.9	7560	-17.1	63	1.6	338.4	7542	-15.8	71	2.0	341.5	7563	400
425	-11.6	16	.6	336.4	7101	-12.6	16	.5	334.9	7099	-13.9	65	2.0	338.1	7084	-13.3	78	2.5	340.6	7104	425
450	-8.1	16	.7	335.7	6659	-8.5	13	.6	334.8	6659	-10.9	67	2.5	338.0	6647	-10.6	54	2.0	337.1	6666	450
475	-5.8	14	.8	333.6	6238	-6.1	11	.6	332.7	6238	-8.1	69	3.0	338.1	6228	-8.2	82	3.6	339.7	6248	475
500	-4.9	15	.8	329.8	5835	-6.5	33	1.6	330.5	5836	-4.6	87	4.8	343.2	5826	-5.2	72	3.7	339.2	5847	500
525	-3.0	16	.9	328.2	5450	-3.9	16	.9	326.8	5454	-3.1	99	5.8	343.4	5440	-2.5	78	4.8	341.2	5461	525
550	-7	17	1.1	327.4	5080	-1.8	31	1.9	328.5	5085	-1.6	99	6.1	341.8	5069	-1.8	94	5.7	340.3	5091	550
575	1.5	19	1.4	326.7	4724	.4	21	1.4	325.5	4730	-.2	99	6.5	340.4	4714	-.3	79	5.1	336.1	4735	575
600	3.5	24	2.0	327.0	4380	2.5	11	.9	322.1	4388	1.2	98	6.9	339.0	4371	1.4	89	6.3	337.5	4393	600
625	4.9	40	3.4	329.3	4048	3.8	36	2.9	326.3	4057	2.5	98	7.2	337.6	4041	3.4	89	7.0	338.1	4062	625
650	7.0	26	2.5	325.2	3727	6.4	20	1.9	322.4	3737	3.7	98	7.6	336.4	3722	5.9	81	7.2	338.0	3742	650
675	9.0	30	3.2	326.0	3416	8.4	18	1.8	321.1	3427	6.2	96	8.5	338.3	3414	7.9	65	6.5	334.8	3431	675
700	11.0	33	3.9	327.1	3113	10.4	15	1.7	319.6	3125	5.5	93	7.6	331.3	3115	8.5	77	7.7	335.5	3130	700
725	12.9	36	4.7	328.4	2819	12.3	13	1.5	318.1	2833	10.5	96	10.6	342.8	2825	10.3	93	10.1	341.2	2838	725
750	14.8	39	5.5	329.9	2534	12.7	68	8.4	335.9	2548	12.3	95	11.6	344.4	2540	12.2	99	11.9	345.2	2554	750
775	13.2	60	7.4	330.5	2257	14.1	90	11.8	344.2	2272	13.6	96	12.3	344.8	2264	13.5	99	12.6	345.5	2277	775
800	15.3	76	10.4	338.2	1989	15.7	98	13.8	348.5	2002	14.9	97	13.0	345.2	1994	14.7	93	12.4	343.1	2008	800
825	16.8	80	11.8	341.1	1726	17.2	97	14.6	349.5	1738	16.1	97	13.7	345.7	1732	15.8	92	12.6	342.2	1746	825
850	18.1	83	12.9	342.8	1470	18.7	96	15.4	350.5	1482	17.3	98	14.5	346.2	1476	16.8	95	13.5	342.8	1491	850
875	19.1	84	13.4	342.6	1220	20.1	95	16.2	351.6	1231	18.4	98	15.0	346.1	1227	17.8	97	14.4	343.5	1243	875
900	20.1	84	14.0	342.4	977	21.5	94	17.0	352.7	986	19.4	97	15.5	345.8	984	19.2	98	15.4	345.2	1000	900
925	21.7	79	14.1	342.1	739	22.8	93	17.8	353.8	746	20.4	97	16.0	345.5	747	20.7	97	16.4	347.1	763	925
950	23.4	73	14.1	341.5	506	24.1	92	18.7	355.0	512	21.4	96	16.4	345.2	515	22.2	97	17.5	349.2	530	950
975	25.1	75	15.6	345.0	278	25.4	91	19.5	356.1	283	22.3	96	16.9	344.9	288	23.7	97	18.6	351.3	302	975
1000	26.8	77	17.2	349.1	54	26.7	90	20.3	357.3	58	23.2	95	17.3	344.7	66	25.1	96	19.7	353.4	79	1000
SFC.	27.2	77	17.7	350.2	0	27.0	90	20.5	357.6	0	23.5	95	17.5	344.6	0	25.6	96	20.0	354.2	0	SFC.
				SURFACE PRESSURE	1006.1				SURFACE PRESSURE	1006.6				SURFACE PRESSURE	1007.6				SURFACE PRESSURE	1009.0	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

2/27 0 1 GMT					2/27 12 0 GMT					2/28 0 0 GMT					2/28 714 GMT					P		
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-63.0	0	0.0	469.9	19536	-65.7	0	0.0	463.9	19583	0.0	0	0.0	0.0	0	-67.3	0	0.0	460.3	19529	60	
70	-70.9	21	.0	432.9	18605	-70.8	0	0.0	433.0	18656	0.0	0	0.0	0.0	0	-68.3	0	0.0	438.3	18602	70	
80	-78.8	23	.0	400.3	17824	-76.0	0	0.0	406.0	17875	-73.8	14	.0	410.6	17800	-75.1	0	0.0	407.9	17818	80	
90	-80.2	21	.0	384.2	17158	-78.2	20	.0	388.2	17200	-75.3	15	.0	394.0	17119	-81.1	0	0.0	382.4	17151	90	
100	-80.2	20	.0	372.8	16563	-79.6	20	.0	374.0	16600	-79.3	14	.0	374.5	16517	-76.6	41	.0	379.8	16554	100	
110	-79.3	23	.0	364.4	16023	-78.4	21	.0	366.1	16059	-77.4	13	.0	368.1	15974	-74.3	41	.0	373.9	16002	110	
120	-78.5	25	.0	357.0	15528	-75.3	21	.0	362.9	15559	-74.7	14	.0	363.9	15472	-72.7	41	.0	367.7	15493	120	
130	-74.9	23	.0	355.4	15067	-71.2	20	.0	361.9	15091	-72.3	14	.0	360.1	15004	-72.1	41	.0	360.5	15023	130	
140	-71.6	22	.0	353.7	14634	-69.6	21	.0	357.2	14651	-69.9	14	.0	356.6	14566	-69.7	41	.0	357.1	14584	140	
150	-68.5	21	.0	352.2	14223	-67.2	21	.0	354.3	14237	-67.2	13	.0	354.4	14152	-67.5	41	.0	353.9	14170	150	
160	-65.3	20	.0	351.1	13833	-63.7	20	.0	353.8	13845	-63.8	12	.0	353.6	13760	-64.7	41	.0	352.2	13779	160	
170	-62.1	19	.0	350.4	13462	-60.4	20	.0	353.3	13470	-61.1	13	.0	352.0	13386	-62.0	41	.0	350.6	13406	170	
180	-59.0	18	.0	349.7	13106	-57.4	21	.0	352.4	13111	-59.0	15	.0	349.8	13029	-59.5	41	.0	349.0	13051	180	
190	-56.2	18	.0	349.0	12764	-54.7	22	.0	351.4	12768	-56.3	15	.0	348.7	12688	-57.1	42	.0	347.6	12711	190	
200	-53.4	17	.0	348.3	12436	-52.2	24	.0	350.3	12438	-53.8	16	.0	347.7	12360	-54.8	43	.0	346.3	12384	200	
225	-47.2	16	.0	346.4	11668	-46.4	29	.1	347.8	11665	-48.3	22	.0	344.8	11596	-49.3	50	.1	343.3	11622	225	
250	-41.4	14	.1	344.8	10962	-41.6	46	.2	345.0	10958	-41.6	35	.1	344.7	10892	-43.5	61	.2	342.2	10923	250	
275	-36.0	12	.1	343.5	10307	-36.3	48	.3	343.8	10305	-36.5	32	.2	343.2	10238	-37.7	64	.3	341.9	10274	275	
300	-31.0	10	.1	342.1	9696	-31.6	57	.5	342.9	9695	-31.8	29	.3	341.6	9629	-32.3	70	.6	342.1	9667	300	
325	-25.1	10	.2	342.7	9122	-26.8	54	.7	342.4	9123	-27.4	30	.4	340.3	9058	-27.4	76	.9	342.5	9096	325	
350	-19.6	10	.2	343.3	8578	-22.5	51	.9	341.9	8584	-23.4	30	.5	339.2	8520	-24.0	79	1.2	340.9	8559	350	
375	-17.0	13	.4	340.5	8062	-18.9	54	1.2	341.1	8073	-20.0	34	.7	337.8	8012	-20.6	78	1.5	339.8	8052	375	
400	-14.8	17	.5	337.7	7576	-15.6	57	1.6	340.5	7589	-17.0	39	1.0	336.5	7530	-17.0	73	1.8	339.4	7571	400	
425	-13.7	44	1.4	336.3	7116	-13.2	75	2.4	340.5	7129	-14.8	48	1.4	334.9	7074	-13.2	67	2.2	339.6	7112	425	
450	-9.3	38	1.6	337.2	6678	-10.8	87	3.2	340.6	6692	-12.3	18	.6	330.0	6639	-10.3	78	3.0	340.8	6674	450	
475	-7.2	45	2.1	336.4	6258	-8.1	69	3.0	338.1	6273	-9.1	11	.4	328.4	6223	-8.7	23	.9	330.7	6256	475	
500	-4.7	40	2.2	334.9	5856	-5.6	41	2.1	333.4	5873	-6.1	13	.6	327.8	5825	-6.0	39	1.9	332.2	5856	500	
525	-1.9	27	1.7	332.2	5470	-2.9	49	2.9	334.7	5488	-3.3	14	.8	327.3	5441	-3.0	47	2.7	334.1	5472	525	
550	.5	27	1.9	331.3	5099	-1.1	81	5.2	339.6	5118	-1.2	28	1.8	328.9	5071	-1.5	89	5.5	340.1	5102	550	
575	2.2	50	3.9	335.4	4741	.3	92	6.3	340.3	4761	.4	43	2.9	330.2	4716	.6	89	6.2	340.3	4745	575	
600	3.5	49	4.0	333.1	4396	2.0	99	7.3	341.3	4418	1.5	56	4.0	330.7	4373	2.6	67	5.1	335.6	4402	600	
625	6.5	27	2.6	328.7	4063	4.3	99	8.3	343.1	4086	4.0	43	3.5	328.4	4043	4.2	53	4.4	331.3	4070	625	
650	8.0	13	1.3	322.6	3741	6.5	90	8.5	342.5	3765	5.7	45	4.0	328.3	3723	5.4	68	5.9	333.5	3750	650	
675	9.6	12	1.4	321.0	3429	8.6	81	8.5	341.4	3453	7.7	33	3.2	324.5	3413	7.6	40	3.9	326.7	3440	675	
700	10.5	27	3.1	324.1	3127	10.7	72	8.3	340.0	3150	9.6	20	2.2	320.3	3112	9.5	34	3.6	324.4	3139	700	
725	10.7	57	6.4	330.9	2834	12.7	64	8.1	338.3	2856	10.1	39	4.2	323.7	2821	11.0	33	3.8	323.5	2847	725	
750	12.2	67	8.0	333.9	2551	14.6	55	7.7	336.2	2570	11.2	35	3.8	320.9	2538	12.5	33	4.0	322.7	2564	750	
775	14.4	64	8.5	334.9	2274	16.4	48	7.2	333.8	2292	12.5	35	4.1	320.2	2264	13.5	48	6.0	326.7	2288	775	
800	16.5	60	9.0	335.7	2004	17.9	54	8.8	336.9	2021	14.2	44	5.7	323.6	1997	14.5	78	10.1	336.5	2020	800	
825	17.5	62	9.5	335.5	1741	19.1	65	11.0	341.8	1756	15.5	51	6.9	325.6	1736	15.9	76	10.5	336.5	1759	825	
850	17.5	68	10.1	334.1	1486	20.9	49	9.0	335.1	1498	16.5	57	8.0	327.1	1482	17.3	78	11.4	337.7	1504	850	
875	18.4	71	10.8	334.4	1237	20.0	73	12.4	341.0	1248	17.6	63	9.1	328.8	1235	18.6	81	12.6	339.5	1255	875	
900	19.9	71	11.7	335.8	994	21.1	81	14.4	344.9	1003	18.6	69	10.3	330.5	993	19.8	84	13.8	341.5	1012	900	
925	21.3	72	12.6	337.3	757	22.6	85	16.1	348.6	765	20.3	78	12.8	336.8	757	21.1	87	15.0	343.6	774	925	
950	22.7	73	13.5	338.9	525	24.7	78	16.4	349.4	531	22.1	73	13.0	336.8	525	22.3	90	16.3	345.9	542	950	
975	25.4	72	15.2	344.3	297	26.8	72	16.5	349.8	301	23.8	68	13.1	336.6	298	23.8	88	17.1	347.4	314	975	
1000	28.1	70	17.1	350.6	72	28.8	65	16.5	349.7	76	25.4	64	13.1	336.2	76	26.0	78	16.8	346.8	91	1000	
SFC.	29.0	70	17.8	352.7	0	29.5	63	16.4	349.6	0	26.0	62	13.1	336.0	0	26.9	74	16.6	346.4	0	SFC.	
				SURFACE PRESSURE	1008.1				SURFACE PRESSURE	1008.5				SURFACE PRESSURE	1008.6				SURFACE PRESSURE	1010.3		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

2/28 1147 GMT					2/28 1815 GMT					3/ 1 148 GMT					3/ 1 550 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-65.6	0	0.0	464.2	19534	-66.8	0	0.0	461.4	19557	-62.6	0	0.0	470.8	19537	-64.3	0	0.0	467.1	19514	60	
70	-66.3	0	0.0	442.6	18595	-66.2	0	0.0	442.7	18631	-71.2	0	0.0	432.2	18616	-72.4	0	0.0	429.6	18595	70	
80	-72.0	0	0.0	414.2	17797	-70.5	14	.0	417.3	17828	-69.9	0	0.0	418.6	17822	-73.4	0	0.0	411.3	17809	80	
90	-80.3	26	.0	384.1	17115	-75.6	15	.0	393.4	17138	-72.6	0	0.0	399.4	17126	-77.2	19	.0	390.1	17131	90	
100	-80.5	26	.0	372.2	16520	-77.5	16	.0	378.0	16535	-74.0	15	.0	384.8	16510	-78.0	20	.0	377.1	16528	100	
110	-78.3	26	.0	366.3	15979	-75.1	15	.0	372.3	15985	-76.8	15	.0	369.1	15960	-76.7	20	.0	369.3	15982	110	
120	-76.4	26	.0	360.9	15480	-73.0	15	.0	367.1	15478	-75.4	16	.0	362.6	15458	-75.3	20	.0	362.9	15480	120	
130	-74.6	26	.0	355.9	15017	-71.3	14	.0	361.8	15007	-73.9	16	.0	357.1	14993	-72.9	19	.0	359.0	15013	130	
140	-71.3	26	.0	354.3	14582	-70.7	14	.0	355.2	14569	-70.6	16	.0	355.5	14557	-70.6	19	.0	355.4	14576	140	
150	-68.0	26	.0	353.0	14171	-67.5	14	.0	353.9	14157	-67.4	15	.0	354.0	14145	-68.0	19	.0	352.9	14164	150	
160	-65.0	27	.0	351.7	13781	-64.4	14	.0	352.6	13765	-64.5	15	.0	352.4	13753	-65.4	19	.0	351.0	13774	160	
170	-62.1	27	.0	350.4	13409	-61.5	13	.0	351.4	13392	-61.7	14	.0	351.0	13380	-62.9	19	.0	349.1	13403	170	
180	-59.4	27	.0	349.1	13053	-58.8	13	.0	350.1	13035	-59.1	14	.0	349.5	13024	-60.4	19	.0	347.6	13049	180	
190	-56.9	27	.0	347.9	12713	-56.2	13	.0	348.9	12694	-56.4	14	.0	348.6	12683	-57.3	18	.0	347.2	12710	190	
200	-54.3	30	.0	347.0	12386	-53.4	13	.0	348.3	12366	-53.6	13	.0	348.0	12355	-54.3	17	.0	346.8	12383	200	
225	-48.3	42	.1	344.9	11620	-46.6	12	.0	347.3	11596	-47.1	15	.0	346.5	11587	-47.8	17	.0	345.4	11617	225	
250	-43.7	57	.2	341.9	10919	-42.0	13	.1	343.9	10890	-41.4	18	.1	344.8	10881	-42.0	16	.1	343.9	10913	250	
275	-38.6	64	.3	340.6	10272	-37.3	16	.1	341.5	10239	-36.5	22	.1	342.9	10227	-36.8	16	.1	342.4	10260	275	
300	-33.8	70	.5	339.8	9668	-32.4	19	.2	340.4	9631	-32.2	27	.2	340.9	9618	-32.6	17	.1	340.1	9652	300	
325	-28.9	81	.9	340.2	9101	-28.7	25	.3	338.3	9063	-28.0	25	.3	339.2	9048	-29.7	18	.2	336.5	9085	325	
350	-24.2	90	1.4	341.2	8565	-24.6	31	.5	337.5	8528	-24.1	23	.4	337.7	8512	-24.9	17	.3	336.2	8551	350	
375	-20.2	90	1.9	341.5	8058	-20.7	39	.8	337.2	8022	-20.4	35	.7	337.2	8005	-20.4	17	.3	336.0	8045	375	
400	-16.4	90	2.4	342.1	7576	-17.0	47	1.2	337.2	7541	-17.0	46	1.2	337.1	7524	-17.0	64	1.6	338.7	7564	400	
425	-14.3	94	2.8	340.2	7117	-14.6	59	1.7	336.2	7083	-13.7	48	1.5	336.9	7066	-13.9	85	2.6	340.2	7106	425	
450	-12.4	68	2.2	335.3	6682	-12.1	55	1.8	334.5	6648	-10.5	51	1.9	336.8	6628	-11.1	85	3.1	339.7	6669	450	
475	-8.6	11	.5	329.1	6266	-9.6	43	1.7	331.9	6232	-7.9	59	2.6	337.2	6210	-9.2	94	3.8	339.1	6251	475	
500	-5.2	19	1.0	330.3	5866	-7.1	31	1.4	329.1	5834	-5.8	74	3.7	338.3	5809	-6.6	72	3.4	336.2	5852	500	
525	-2.6	32	1.9	332.0	5481	-4.5	38	2.0	329.9	5452	-3.9	79	4.3	337.9	5425	-3.7	47	2.6	332.6	5469	525	
550	-.1	45	3.1	334.3	5110	-1.7	54	3.3	333.0	5084	-2.7	81	4.6	335.9	5056	-2.1	79	4.7	336.8	5100	550	
575	1.9	38	2.9	331.9	4752	-.1	53	3.5	331.3	4728	-1.9	93	5.4	334.8	4702	-.8	95	6.0	338.0	4745	575	
600	3.4	15	1.2	324.3	4408	1.9	41	3.0	328.1	4386	.4	93	6.1	335.9	4361	1.5	86	6.1	337.2	4403	600	
625	4.9	15	1.3	322.5	4076	3.7	14	1.1	320.6	4056	2.7	89	6.6	336.1	4032	3.7	77	6.2	336.1	4072	625	
650	6.1	37	3.3	326.7	3756	4.6	49	4.0	326.9	3737	4.7	86	7.1	336.2	3712	5.8	73	6.5	335.8	3752	650	
675	8.1	59	5.9	333.2	3445	6.8	42	3.9	325.6	3428	5.3	86	7.1	333.3	3403	7.6	77	7.5	337.2	3441	675	
700	9.0	58	6.0	331.0	3144	8.3	50	4.9	327.2	3128	6.2	96	8.2	334.0	3106	9.6	64	6.8	334.2	3140	700	
725	9.9	70	7.4	332.9	2852	9.9	43	4.5	324.4	2837	8.9	99	9.8	338.5	2815	11.2	65	7.5	334.6	2847	725	
750	12.2	49	5.8	327.8	2569	11.1	70	7.8	332.1	2554	10.5	96	10.3	338.4	2533	12.5	56	6.8	331.2	2563	750	
775	14.5	76	10.2	340.0	2293	12.6	76	9.0	334.3	2279	11.9	92	10.4	337.3	2258	13.9	70	9.1	336.0	2286	775	
800	14.6	93	12.2	342.6	2023	13.7	83	10.2	335.9	2012	13.5	77	9.4	333.5	1991	15.2	70	9.5	335.7	2017	800	
825	15.9	92	12.7	342.4	1761	15.0	83	10.8	336.1	1751	14.8	88	11.3	337.3	1730	16.7	76	11.0	338.9	1755	825	
850	17.6	89	13.4	343.4	1506	16.3	82	11.4	336.2	1497	16.2	90	12.4	338.9	1476	18.4	65	10.3	335.8	1499	850	
875	19.3	90	14.7	346.3	1256	17.6	82	11.9	336.5	1249	17.6	94	13.7	341.3	1228	19.6	66	10.9	336.1	1250	875	
900	21.0	91	16.1	349.4	1012	18.6	84	12.6	336.8	1007	19.2	92	14.5	342.9	985	20.0	76	12.6	338.6	1006	900	
925	22.4	93	17.4	352.1	773	19.5	85	13.3	337.2	770	20.8	91	15.4	344.3	748	21.4	78	13.7	340.4	769	925	
950	22.9	95	17.8	351.0	540	20.5	87	14.0	337.6	540	21.7	89	15.5	343.2	516	22.9	82	15.5	344.6	536	950	
975	24.7	91	18.5	352.3	311	21.4	89	14.8	338.1	314	23.1	84	15.5	342.2	289	24.9	81	16.7	347.8	308	975	
1000	26.3	87	19.0	353.4	87	24.8	83	16.6	344.8	92	24.6	78	15.3	340.9	67	26.9	79	17.8	350.8	84	1000	
SFC.	27.0	85	19.2	353.8	0	26.2	81	17.4	347.8	0	25.0	76	15.2	340.5	0	27.6	78	18.3	352.0	0	SFC.	
				SURFACE PRESSURE	1009.9				SURFACE PRESSURE	1010.5				SURFACE PRESSURE	1007.6				SURFACE PRESSURE	1009.5		

A-5

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA PALMYRA ISLAND

P	T	3/ 1 1248 GMT					3/ 1 1750 GMT					3/ 1 2315 GMT					3/ 2 520 GMT					P
		RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H		
60	-72.5	0	0.0	448.6	19444	-65.1	0	0.0	465.2	19449	-63.3	0	0.0	469.2	19456	-66.7	0	0.0	461.6	19365	60	
70	-73.9	0	0.0	426.3	18544	-71.6	0	0.0	431.2	18520	-72.6	0	0.0	429.1	18524	-72.2	0	0.0	429.9	18442	70	
80	-74.0	0	0.0	410.2	17765	-75.4	0	0.0	407.3	17735	-75.0	0	0.0	408.1	17744	-79.0	0	0.0	399.7	17670	80	
90	-76.4	0	0.0	391.7	17082	-77.2	13	.0	390.1	17059	-79.1	0	0.0	386.5	17069	-79.3	15	.0	385.9	17003	90	
100	-77.2	10	.0	378.6	16476	-76.9	14	.0	379.2	16454	-75.6	17	.0	381.7	16465	-76.8	15	.0	379.4	16402	100	
110	-76.4	10	.0	370.0	15928	-72.7	15	.0	376.9	15900	-72.6	18	.0	377.1	15909	-73.6	15	.0	375.2	15849	110	
120	-75.0	10	.0	363.4	15425	-72.9	15	.0	367.3	15390	-72.4	17	.0	368.2	15398	-72.7	15	.0	367.6	15339	120	
130	-73.1	11	.0	358.6	14958	-72.1	15	.0	360.4	14920	-71.9	16	.0	360.6	14927	-72.7	15	.0	359.3	14869	130	
140	-70.8	11	.0	355.1	14522	-69.8	16	.0	356.8	14481	-69.5	16	.0	357.3	14488	-70.0	16	.0	356.5	14431	140	
150	-68.0	11	.0	353.0	14110	-67.8	17	.0	353.4	14068	-67.1	16	.0	354.5	14074	-68.0	16	.0	353.1	14018	150	
160	-65.4	10	.0	351.0	13720	-65.8	18	.0	350.2	13678	-64.7	16	.0	352.1	13682	-66.1	16	.0	349.8	13629	160	
170	-62.9	10	.0	349.1	13349	-64.0	18	.0	347.2	13309	-62.5	16	.0	349.8	13310	-64.3	16	.0	346.8	13260	170	
180	-60.2	0	0.0	347.8	12995	-62.3	19	.0	344.4	12957	-60.3	16	.0	347.6	12956	-62.6	16	.0	343.9	12908	180	
190	-57.3	0	0.0	347.0	12656	-59.3	18	.0	344.0	12621	-58.1	16	.0	345.9	12617	-60.4	16	.0	342.1	12574	190	
200	-54.6	0	0.0	346.3	12329	-56.4	18	.0	343.6	12297	-55.9	16	.0	344.4	12292	-58.1	16	.0	340.8	12252	200	
225	-48.3	0	0.0	344.4	11565	-49.7	16	.0	342.4	11538	-50.5	16	.0	341.3	11534	-51.2	17	.0	340.2	11499	225	
250	-42.7	0	0.0	342.5	10862	-44.5	15	.0	340.2	10840	-43.9	16	.0	341.0	10837	-44.7	17	.0	339.8	10804	250	
275	-37.7	M	M	M	10212	-39.7	14	.1	338.0	10196	-38.7	16	.1	339.4	10189	-38.8	18	.1	339.3	10158	275	
300	-33.5	M	M	M	9607	-34.6	21	.1	337.2	9544	-34.6	16	.1	337.0	9587	-33.9	14	.1	338.1	9555	300	
325	-29.7	M	M	M	9041	-29.4	32	.3	337.5	9029	-31.1	19	.2	334.5	9023	-31.7	65	.5	335.0	8992	325	
350	-26.1	11	.1	334.2	8508	-25.8	14	.2	334.7	8497	-26.6	17	.2	333.8	8493	-27.7	16	.2	332.1	8463	350	
375	-21.8	11	.2	333.5	8005	-22.1	13	.2	333.2	7993	-22.4	16	.3	333.0	7990	-23.4	17	.3	331.6	7963	375	
400	-17.1	11	.3	333.9	7526	-18.7	12	.3	331.7	7515	-18.5	15	.3	332.2	7513	-19.5	21	.4	331.3	7488	400	
425	-13.7	21	.7	333.9	7068	-15.4	16	.4	330.8	7061	-16.2	17	.4	329.8	7058	-16.5	17	.4	329.4	7035	425	
450	-10.6	37	1.4	334.9	6631	-12.3	19	.6	330.1	6626	-12.3	16	.5	329.7	6624	-13.8	14	.4	327.5	6603	450	
475	-8.3	56	2.4	335.8	6212	-9.4	23	.9	329.6	6211	-9.2	19	.8	329.3	6209	-11.6	23	.8	326.3	6190	475	
500	-7.3	63	2.8	333.5	5813	-6.7	26	1.2	329.2	5812	-6.6	23	1.1	328.8	5810	-8.9	37	1.4	327.2	5795	500	
525	-3.9	59	3.2	334.5	5430	-4.0	29	1.6	329.1	5429	-4.2	27	1.4	328.4	5427	-6.3	56	2.5	329.3	5415	525	
550	-1.5	56	3.5	334.0	5061	-1.9	37	2.2	329.4	5060	-2.8	41	2.3	328.7	5059	-4.4	59	3.0	328.6	5050	550	
575	-1.0	68	4.2	332.2	4707	-2.3	92	5.2	333.8	4707	-1.8	60	3.5	329.2	4706	-.5	70	4.5	333.9	4696	575	
600	.8	99	6.7	338.2	4365	.5	79	5.2	333.2	4367	2.4	53	4.0	331.9	4364	1.2	78	5.4	334.8	4354	600	
625	2.2	82	5.9	333.5	4035	2.3	76	5.5	332.3	4037	5.1	49	4.4	332.4	4032	2.0	92	6.5	335.0	4024	625	
650	3.9	60	4.7	328.0	3717	3.2	84	6.2	331.8	3720	5.3	53	4.5	329.3	3711	4.0	97	7.7	337.1	3706	650	
675	6.3	72	6.4	332.3	3409	5.5	78	6.6	331.9	3412	5.3	56	4.6	326.2	3403	6.0	84	7.3	334.8	3397	675	
700	7.8	75	7.2	333.1	3109	7.0	79	7.1	332.0	3113	7.6	47	4.4	324.7	3104	8.5	76	7.6	335.1	3097	700	
725	9.7	79	8.3	335.2	2818	8.2	79	7.5	330.9	2823	9.8	38	4.0	322.8	2814	8.3	78	7.4	331.0	2807	725	
750	11.4	80	9.1	336.2	2535	10.3	58	6.1	326.3	2542	12.6	22	2.6	318.8	2531	9.9	82	8.4	332.4	2526	750	
775	12.5	86	10.2	337.4	2260	12.4	37	4.3	320.5	2268	14.4	17	2.3	316.8	2255	11.5	85	9.4	333.9	2251	775	
800	15.2	33	4.5	331.2	1992	13.5	38	4.6	319.8	2001	15.7	21	2.9	317.0	1987	13.0	88	10.4	335.6	1984	800	
825	15.8	33	4.5	319.1	1731	14.7	39	5.0	319.2	1741	16.1	36	5.0	321.1	1726	14.3	90	11.2	336.3	1724	825	
850	14.4	64	7.8	324.0	1477	15.3	58	7.5	324.2	1488	15.9	63	8.5	327.8	1472	15.2	92	11.8	336.1	1471	850	
875	16.8	97	13.5	339.8	1230	15.7	86	11.1	331.9	1242	17.1	67	9.4	329.0	1225	16.2	93	12.4	336.1	1224	875	
900	18.3	95	14.0	340.3	988	16.9	90	12.2	333.8	1002	18.2	70	10.2	329.9	984	17.1	95	13.0	336.0	983	900	
925	19.7	93	14.6	340.8	752	18.8	90	13.4	336.4	766	19.4	72	11.0	330.8	748	18.9	92	13.8	337.8	747	925	
950	21.0	91	15.2	341.3	521	21.0	83	13.7	337.4	536	21.1	68	11.3	330.8	517	21.0	89	14.7	340.1	517	950	
975	23.3	85	15.9	343.5	294	23.2	74	13.8	337.7	309	22.9	64	11.5	331.2	291	23.0	85	15.6	342.4	290	975	
1000	25.5	76	15.8	343.6	71	25.4	66	13.6	337.3	87	26.3	60	13.0	336.9	69	24.9	82	16.5	344.6	68	1000	
SFC.	25.5	74	15.3	341.2	0	26.2	63	13.5	337.1	0	27.3	59	13.5	338.7	0	25.5	81	16.8	345.3	0	SFC.	
				SURFACE PRESSURE 1008.1					SURFACE PRESSURE 1009.9					SURFACE PRESSURE 1007.8					SURFACE PRESSURE 1007.7			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

3/ 2 1115 GMT						3/ 2 1750 GMT						3/ 2 2315 GMT						3/ 3 530 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-65.2	0	0.0	465.0	19480	-63.6	0	0.0	468.6	19500	-63.1	0	0.0	469.7	19577	-65.6	0	0.0	464.1	19391	60		
70	-70.8	0	0.0	433.0	18551	-72.3	0	0.0	429.7	18577	-69.3	0	0.0	436.2	18639	-69.0	11	.0	436.9	18463	70		
80	-76.9	0	0.0	404.2	17772	-75.5	15	.0	407.0	17792	-72.5	22	.0	413.3	17849	-75.0	12	.0	408.2	17672	80		
90	-78.3	0	0.0	388.0	17097	-79.1	15	.0	386.5	17120	-78.3	23	.0	388.0	17168	-80.2	13	.0	384.1	17002	90		
100	-79.6	17	.0	374.0	16498	-75.5	14	.0	381.9	16516	-73.7	22	.0	385.4	16560	-76.6	12	.0	379.8	16401	100		
110	-76.1	17	.0	370.4	15953	-73.7	14	.0	375.1	15959	-74.3	23	.0	374.0	16002	-79.5	12	.0	364.0	15856	110		
120	-73.0	17	.0	367.0	15447	-73.8	15	.0	365.6	15453	-73.5	23	.0	366.2	15496	-76.9	12	.0	360.0	15360	120		
130	-70.2	17	.0	363.7	14975	-71.6	15	.0	361.4	14983	-70.8	23	.0	362.7	15025	-73.9	12	.0	357.2	14897	130		
140	-67.7	17	.0	360.6	14531	-69.5	14	.0	357.4	14544	-68.0	23	.0	360.1	14583	-71.1	13	.0	354.6	14461	140		
150	-65.3	17	.0	357.7	14114	-67.5	14	.0	353.8	14130	-65.4	23	.0	357.6	14166	-68.5	13	.0	352.1	14050	150		
160	-63.0	17	.0	354.9	13719	-65.7	14	.0	350.4	13740	-62.9	24	.0	355.2	13771	-65.5	13	.0	350.7	13661	160		
170	-64.0	17	.0	347.2	13346	-64.0	14	.0	347.2	13370	-60.6	24	.0	352.9	13396	-62.4	12	.0	349.9	13290	170		
180	-61.5	17	.0	345.7	12994	-60.9	14	.0	346.7	13017	-58.4	24	.0	350.8	13038	-59.5	11	.0	349.0	12934	180		
190	-59.0	17	.0	344.3	12657	-58.0	14	.0	346.1	12679	-56.0	24	.0	349.3	12696	-56.7	10	.0	348.2	12594	190		
200	-56.4	16	.0	343.6	12333	-55.2	14	.0	345.5	12353	-53.6	24	.0	348.0	12368	-54.2	10	.0	347.1	12267	200		
225	-50.3	15	.0	341.6	11575	-48.7	14	.0	344.0	11590	-48.2	23	.1	344.8	11602	-49.1	10	.0	343.3	11502	225		
250	-44.9	16	.0	339.6	10879	-43.0	14	.0	342.4	10889	-43.4	23	.1	341.9	10900	-44.6	10	.0	339.9	10804	250		
275	-39.6	16	.1	338.2	10234	-37.7	13	.1	340.9	10239	-38.1	19	.1	340.4	10252	-40.2	10	.0	337.1	10161	275		
300	-34.4	35	.2	337.9	9632	-32.7	12	.1	339.7	9633	-33.1	14	.1	339.2	9646	-35.5	10	.1	335.6	9561	300		
325	-29.4	52	.5	338.2	9067	-28.0	15	.2	338.9	9064	-28.6	13	.1	337.9	9078	-30.8	10	.1	334.6	8999	325		
350	-25.3	53	.7	337.4	8533	-23.6	18	.3	338.1	8527	-24.6	28	.4	337.2	8543	-27.2	10	.1	332.5	8468	350		
375	-21.9	57	1.0	336.3	8028	-19.6	25	.5	337.8	8018	-20.9	47	.9	337.3	8037	-25.1	11	.1	328.9	7970	375		
400	-18.9	79	1.7	336.4	7550	-16.5	50	1.3	338.3	7536	-18.6	47	1.0	334.6	7558	-21.8	13	.2	327.5	7498	400		
425	-14.9	74	2.1	337.1	7095	-14.2	59	1.8	337.0	7078	-15.4	50	1.3	334.0	7104	-17.4	33	.7	329.4	7047	425		
450	-12.5	71	2.3	335.4	6660	-12.3	19	.6	330.0	6643	-11.6	44	1.5	334.0	6669	-13.4	32	1.0	329.8	6616	450		
475	-9.7	10	.4	327.4	6245	-9.6	18	.7	328.7	6228	-8.1	38	1.7	333.8	6251	-9.8	19	.7	328.5	6201	475		
500	-6.0	11	.5	327.7	5846	-6.9	17	.8	327.3	5829	-5.2	35	1.8	333.1	5851	-7.3	12	.5	326.1	5804	500		
525	-4.9	57	2.9	332.2	5464	-4.7	30	1.5	328.0	5447	-2.5	33	2.0	332.4	5465	-4.7	20	1.0	326.4	5422	525		
550	-1.9	61	3.7	333.9	5095	-2.2	38	2.2	329.0	5079	-.7	42	2.8	332.6	5095	-2.7	28	1.6	326.4	5054	550		
575	.3	71	4.8	336.0	4740	-1.4	61	3.7	330.3	4726	1.2	46	3.4	332.6	4738	-.5	73	4.7	334.5	4700	575		
600	2.5	79	6.0	338.1	4397	1.2	92	6.4	337.7	4384	3.1	58	4.6	334.6	4394	1.1	71	4.9	333.1	4358	600		
625	4.6	79	6.8	339.0	4064	3.2	96	7.4	339.0	4054	5.0	63	5.5	335.8	4062	2.7	84	6.2	335.1	4028	625		
650	6.6	89	8.4	342.3	3743	5.0	95	8.1	339.4	3734	7.0	64	6.2	336.5	3740	4.6	89	7.3	336.7	3709	650		
675	8.1	91	9.2	342.8	3431	7.5	60	5.8	332.1	3424	8.8	63	6.7	336.4	3428	6.3	73	6.5	332.7	3400	675		
700	9.8	89	9.7	342.9	3129	10.0	18	1.9	320.0	3123	10.2	55	6.1	332.9	3126	7.4	99	9.2	338.2	3101	700		
725	11.2	90	10.4	342.9	2836	10.6	66	7.3	333.5	2831	11.7	57	6.8	333.4	2833	9.7	99	10.4	341.2	2809	725		
750	12.5	90	11.0	342.9	2551	11.5	70	8.0	333.1	2547	12.8	68	8.5	336.2	2548	10.8	98	10.7	340.1	2526	750		
775	13.6	91	11.6	342.7	2274	12.6	92	10.9	339.6	2272	13.2	69	8.5	333.5	2272	11.8	97	11.0	338.7	2251	775		
800	14.6	92	12.1	342.4	2005	13.8	93	11.6	340.1	2004	14.4	72	9.4	334.3	2004	13.0	93	11.0	337.1	1984	800		
825	15.5	94	12.7	342.0	1744	15.1	87	11.5	338.0	1743	16.2	81	11.4	339.2	1742	13.9	93	11.3	336.2	1724	825		
850	16.4	95	13.3	341.7	1489	16.3	89	12.3	338.9	1488	17.7	86	13.1	342.8	1487	14.7	97	12.1	336.4	1471	850		
875	17.5	96	13.9	341.9	1241	17.5	90	13.1	339.8	1240	18.9	87	13.8	343.5	1237	15.9	98	12.7	336.6	1224	875		
900	18.9	95	14.7	343.0	998	18.7	92	14.0	340.8	998	20.1	88	14.6	344.2	994	17.0	98	13.4	336.9	983	900		
925	20.3	94	15.5	344.1	761	19.8	94	14.9	341.9	761	21.2	89	15.4	344.9	756	18.7	93	13.8	337.3	748	925		
950	21.6	94	16.3	345.2	529	21.0	94	15.7	342.8	530	22.3	89	16.2	345.7	523	20.5	87	14.0	337.6	517	950		
975	22.9	93	17.1	346.3	302	22.6	89	16.0	343.0	303	23.5	89	16.9	346.7	296	22.0	84	14.4	337.9	291	975		
1000	24.7	85	17.0	345.7	80	24.1	85	16.3	343.0	81	26.3	79	17.3	348.7	72	24.0	80	15.3	340.3	70	1000		
SFC.	25.4	82	16.8	345.2	0	24.7	83	16.3	343.0	0	27.2	76	17.4	349.2	0	24.9	78	15.5	341.2	0	SFC.		
				SURFACE PRESSURE	1009.1				SURFACE PRESSURE	1009.3				SURFACE PRESSURE	1008.2				SURFACE PRESSURE	1008.0			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

3/ 3 1130 GMT					3/ 3 15 0 GMT					3/ 3 18 0 GMT					3/ 3 2043 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-65.4	0	0.0	464.6	19476	0.0	0	0.0	0.0	0	-65.6	0	0.0	464.2	19498	-64.9	0	0.0	465.6	19514	60	
70	-68.5	0	0.0	437.9	18543	0.0	0	0.0	0.0	0	-66.4	0	0.0	442.3	18565	-66.9	0	0.0	441.3	18578	70	
80	-73.9	0	0.0	410.4	17752	0.0	0	0.0	0.0	0	-74.3	13	.0	409.4	17771	-74.8	15	.0	408.5	17783	80	
90	-81.1	0	0.0	382.4	17078	-82.9	12	.0	378.9	17022	-78.6	13	.0	387.3	17100	-77.7	14	.0	389.1	17110	90	
100	-79.1	0	0.0	374.9	16483	-80.7	12	.0	371.9	16427	-79.9	13	.0	373.4	16498	-80.2	15	.0	372.8	16511	100	
110	-79.7	0	0.0	363.7	15942	-80.6	12	.0	362.0	15892	-79.1	13	.0	364.8	15958	-78.8	15	.0	365.3	15970	110	
120	-76.8	0	0.0	360.0	15446	-77.1	12	.0	359.6	15397	-76.2	13	.0	361.2	15460	-75.8	15	.0	361.9	15471	120	
130	-74.2	0	0.0	356.6	14983	-73.7	12	.0	357.5	14933	-72.9	13	.0	358.9	14995	-72.9	15	.0	359.0	15005	130	
140	-71.8	0	0.0	353.3	14548	-70.5	12	.0	355.5	14497	-69.9	13	.0	356.6	14557	-70.1	15	.0	356.3	14568	140	
150	-68.8	0	0.0	351.7	14139	-67.6	12	.0	353.6	14085	-67.1	13	.0	354.5	14143	-67.6	15	.0	353.7	14155	150	
160	-65.6	0	0.0	350.6	13749	-64.9	12	.0	351.8	13694	-64.5	13	.0	352.4	13752	-65.2	15	.0	351.3	13764	160	
170	-62.6	0	0.0	349.5	13378	-62.3	12	.0	350.0	13322	-61.6	13	.0	351.2	13379	-61.8	15	.0	350.9	13392	170	
180	-59.8	0	0.0	348.4	13023	-59.5	12	.0	349.0	12966	-58.8	12	.0	350.1	13022	-58.1	14	.0	351.3	13035	180	
190	-57.2	0	0.0	347.3	12683	-56.8	12	.0	348.0	12626	-56.1	12	.0	349.1	12681	-56.0	14	.0	349.2	12693	190	
200	-54.6	0	0.0	346.3	12357	-54.3	12	.0	346.9	12299	-53.6	12	.0	348.0	12353	-53.8	14	.0	347.7	12365	200	
225	-48.9	0	0.0	343.6	11593	-48.2	12	.0	344.7	11534	-47.7	11	.0	345.5	11585	-47.8	13	.0	345.4	11598	225	
250	-42.9	0	0.0	342.3	10892	-42.7	12	.0	342.8	10831	-41.6	11	.0	344.4	10881	-41.9	12	.0	344.0	10894	250	
275	-37.6	M	M	M	10242	-37.7	11	.1	340.9	10181	-35.8	11	.1	343.6	10226	-36.3	12	.1	343.0	10241	275	
300	-33.3	M	M	M	9637	-33.1	11	.1	339.1	9575	-32.1	10	.1	340.6	9617	-32.2	12	.1	340.4	9631	300	
325	-28.7	M	M	M	9069	-28.9	11	.1	337.3	9007	-28.6	10	.1	337.7	9047	-27.9	12	.1	338.8	9062	325	
350	-24.4	M	M	M	8534	-25.3	11	.2	335.3	8473	-24.9	10	.1	335.7	8513	-23.5	12	.2	337.9	8525	350	
375	-20.5	M	M	M	8027	-21.3	11	.2	334.2	7969	-20.8	10	.2	334.9	8007	-20.7	12	.2	335.1	8017	375	
400	-16.8	M	M	M	7546	-17.5	10	.2	333.2	7489	-16.6	10	.3	334.5	7526	-17.0	12	.3	334.1	7537	400	
425	-16.2	M	M	M	7090	-14.7	10	.3	331.3	7032	-13.1	10	.3	333.4	7068	-13.2	11	.4	333.4	7078	425	
450	-12.7	M	M	M	6657	-13.7	10	.3	327.1	6600	-12.0	10	.3	329.4	6631	-10.8	11	.4	331.3	6641	450	
475	-9.4	M	M	M	6242	-11.2	12	.4	325.7	6188	-10.8	11	.4	326.0	6217	-10.3	11	.4	326.7	6224	475	
500	-6.8	M	M	M	5844	-7.6	10	.4	325.4	5791	-8.3	13	.5	324.9	5821	-7.9	13	.5	325.4	5827	500	
525	-4.5	M	M	M	5462	-6.4	68	3.1	330.8	5411	-5.8	15	.7	324.0	5440	-5.2	13	.6	324.5	5446	525	
550	-1.8	M	M	M	5094	-4.0	67	3.5	330.6	5045	-3.5	17	.9	323.2	5074	-2.4	15	.9	324.3	5079	550	
575	1.4	M	M	M	4739	-2.0	83	4.8	332.8	4693	-1.3	51	3.1	328.6	4721	.4	24	1.6	326.0	4725	575	
600	3.4	M	M	M	4395	-.5	96	6.0	334.2	4353	.7	80	5.4	333.9	4380	3.1	33	2.6	328.3	4382	600	
625	5.3	M	M	M	4062	1.8	98	6.8	335.6	4024	2.9	76	5.7	333.9	4051	4.9	42	3.6	329.8	4049	625	
650	7.2	M	M	M	3740	3.9	99	7.8	337.2	3706	5.1	72	6.1	333.8	3731	5.8	52	4.6	330.1	3729	650	
675	8.4	91	9.4	343.8	3428	6.8	65	6.0	331.9	3397	7.0	56	5.2	329.7	3421	7.3	38	3.6	325.5	3419	675	
700	9.0	96	9.9	342.5	3126	8.0	75	7.3	333.6	3096	8.6	41	4.1	325.0	3122	8.9	51	5.2	328.5	3119	700	
725	10.3	95	10.3	341.8	2833	10.2	71	7.7	334.0	2805	10.9	69	7.8	335.3	2829	10.6	59	6.5	331.2	2827	725	
750	11.5	94	10.8	341.1	2550	11.4	82	9.3	336.7	2522	12.0	67	8.0	333.8	2545	12.5	57	7.0	331.6	2543	750	
775	14.1	83	10.9	341.5	2273	12.5	91	10.8	339.3	2246	12.8	68	10.6	338.9	2270	13.2	70	8.6	333.8	2267	775	
800	15.7	86	12.2	344.1	2003	14.0	92	11.7	340.3	1978	14.1	90	11.5	339.9	2002	14.2	71	9.1	333.3	1999	800	
825	16.6	90	13.1	344.5	1741	15.4	93	12.6	341.4	1717	15.4	92	12.4	341.0	1740	15.2	69	9.1	331.6	1738	825	
850	17.5	93	14.0	345.0	1485	16.8	94	13.5	342.6	1462	16.7	94	13.3	342.2	1485	16.4	70	9.7	331.7	1484	850	
875	18.4	96	14.8	345.5	1236	17.0	97	13.6	340.4	1213	17.9	96	14.3	343.5	1237	17.7	72	10.5	332.9	1236	875	
900	19.6	95	15.4	345.9	992	18.0	97	14.2	340.4	972	19.0	98	15.3	344.8	994	18.6	69	10.4	330.7	994	900	
925	20.8	95	16.1	346.3	755	19.2	98	15.0	341.2	736	20.5	94	15.7	345.0	757	19.7	66	10.3	329.3	758	925	
950	21.9	95	16.7	346.8	523	20.3	98	15.8	342.1	505	22.1	88	15.7	344.3	525	21.5	69	11.8	332.7	527	950	
975	23.0	94	17.4	347.2	295	21.5	99	16.6	343.0	279	23.7	82	15.6	343.4	297	23.3	66	12.3	333.9	301	975	
1000	24.5	94	18.5	349.4	73	23.2	89	16.1	341.5	58	25.2	75	15.3	341.7	75	25.3	56	11.4	331.2	79	1000	
SFC.	24.6	94	18.5	348.7	0	23.7	86	16.0	341.0	0	25.5	71	14.6	339.4	0	26.0	52	11.0	330.0	0	SFC.	
				SURFACE PRESSURE	1008.3				SURFACE PRESSURE	1006.6				SURFACE PRESSURE	1008.5				SURFACE PRESSURE	1009.0		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

3/ 3 2332 GMT						3/ 4 3 0 GMT				3/ 4 515 GMT				3/ 4 9 0 GMT				P				
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	0.0	0	0.0	0.0	0	-67.0	0	0.0	460.9	19483	-69.8	0	0.0	454.7	19483	-66.8	0	0.0	461.4	19558	60	
70	0.0	0	0.0	0.0	0	-68.2	16	.0	438.6	18555	-70.3	0	0.0	434.1	18563	-66.9	0	0.0	441.3	18627	70	
80	0.0	0	0.0	0.0	0	-74.3	16	.0	409.6	17763	-73.2	0	0.0	411.7	17773	-73.5	0	0.0	411.1	17839	80	
90	0.0	0	0.0	0.0	0	-77.9	16	.0	388.8	17090	-81.3	54	.0	382.1	17102	-81.3	0	0.0	382.1	17162	90	
100	-80.2	15	.0	372.8	16520	-80.6	16	.0	372.1	16492	-82.3	53	.0	368.7	16513	-82.1	15	.0	369.1	16574	100	
110	-78.6	15	.0	365.8	15979	-79.5	16	.0	364.0	15955	-77.8	52	.0	367.2	15974	-79.6	16	.0	363.8	16037	110	
120	-76.2	15	.0	361.3	15481	-76.7	16	.0	360.3	15458	-75.4	51	.0	362.7	15473	-76.6	16	.0	360.4	15541	120	
130	-72.5	15	.0	359.6	15015	-73.4	15	.0	358.1	14994	-74.3	53	.0	356.5	15008	-73.1	16	.0	358.5	15076	130	
140	-69.2	15	.0	357.9	14576	-70.3	15	.0	356.0	14557	-70.7	53	.0	355.3	14572	-69.8	16	.0	356.8	14638	140	
150	-66.1	15	.0	356.3	14161	-67.1	15	.0	354.5	14144	-67.0	53	.0	354.8	14160	-66.6	16	.0	355.3	14224	150	
160	-63.2	15	.0	354.7	13767	-64.0	15	.0	353.4	13751	-63.5	52	.0	354.2	13767	-63.6	15	.0	353.9	13831	160	
170	-60.4	15	.0	353.2	13392	-61.0	15	.0	352.2	13377	-60.5	52	.0	353.2	13392	-60.8	15	.0	352.5	13457	170	
180	-57.8	15	.0	351.8	13033	-58.2	15	.0	351.1	13020	-57.9	52	.0	351.7	13034	-58.0	15	.0	351.4	13099	180	
190	-55.3	15	.0	350.4	12690	-55.6	15	.0	349.9	12677	-55.6	52	.1	350.2	12691	-55.3	14	.0	350.4	12756	190	
200	-53.0	14	.0	349.0	12361	-53.1	15	.0	348.8	12349	-53.3	52	.1	348.7	12362	-52.7	14	.0	349.4	12427	200	
225	-47.6	14	.0	345.7	11593	-47.4	14	.0	346.0	11580	-47.3	52	.1	346.6	11594	-46.1	14	.0	348.0	11656	225	
250	-41.8	13	.1	344.1	10888	-41.7	14	.1	344.3	10875	-41.9	53	.2	344.7	10888	-41.7	16	.1	344.3	10946	250	
275	-36.2	13	.1	343.1	10235	-36.3	13	.1	343.0	10221	-37.0	53	.3	342.9	10236	-36.6	12	.1	342.6	10295	275	
300	-31.1	12	.1	342.1	9624	-31.4	13	.1	341.7	9611	-32.5	53	.4	341.3	9628	-31.0	11	.1	342.1	9685	300	
325	-26.8	12	.2	340.4	9053	-26.8	12	.2	340.4	9039	-27.2	54	.7	341.7	9058	-26.1	10	.1	341.3	9111	325	
350	-21.5	12	.2	340.7	8512	-22.6	12	.2	339.2	8500	-22.4	54	1.0	342.3	8518	-21.6	10	.2	340.4	8570	350	
375	-19.1	12	.3	337.4	8001	-20.7	12	.2	335.2	7991	-19.1	54	1.2	340.7	8008	-17.9	10	.2	338.9	8058	375	
400	-16.5	12	.3	334.8	7518	-17.1	12	.3	334.0	7510	-16.2	54	1.5	339.2	7525	-14.8	10	.3	337.0	7573	400	
425	-12.7	12	.4	334.3	7059	-13.3	12	.4	333.4	7052	-13.2	56	1.8	338.4	7066	-12.3	10	.3	334.6	7112	425	
450	-10.5	12	.5	331.8	6621	-11.6	15	.5	330.6	6615	-12.3	57	1.9	334.4	6629	-12.0	24	.8	331.1	6675	450	
475	-9.7	12	.5	327.7	6204	-10.1	13	.5	327.3	6200	-9.7	61	2.3	333.9	6214	-9.1	43	1.7	332.7	6259	475	
500	-7.2	13	.6	326.4	5806	-7.1	12	.6	326.4	5802	-7.6	60	2.6	332.5	5815	-6.2	28	1.4	330.3	5860	500	
525	-4.5	14	.7	325.6	5424	-4.3	12	.6	325.6	5420	-4.9	62	3.2	333.0	5433	-3.1	32	1.9	331.1	5476	525	
550	-2.2	18	1.1	325.2	5056	-2.2	13	.8	324.3	5052	-3.0	71	4.0	333.4	5066	-1.1	49	3.1	333.1	5105	550	
575	-1.0	32	2.0	325.5	4703	-.5	26	1.7	325.1	4698	-.8	71	4.5	333.4	4712	-.4	50	3.2	330.1	4751	575	
600	1.0	27	1.8	323.5	4362	1.3	51	3.5	329.1	4356	1.3	72	5.0	333.5	4370	2.6	37	2.8	328.4	4408	600	
625	3.3	40	3.1	326.5	4032	3.1	44	3.4	327.0	4027	3.3	72	5.6	333.7	4040	5.0	34	2.9	328.0	4076	625	
650	5.4	49	4.3	328.6	3713	5.2	48	4.1	327.9	3707	5.0	72	6.1	333.7	3720	7.2	36	3.6	328.7	3755	650	
675	7.0	53	4.9	329.0	3403	7.1	49	4.5	327.9	3398	6.3	72	6.4	332.4	3411	9.3	39	4.2	329.7	3443	675	
700	8.6	56	5.6	329.5	3103	8.7	49	5.0	327.7	3098	7.7	72	6.8	332.0	3111	10.9	56	6.6	335.3	3140	700	
725	10.2	59	6.3	330.1	2811	10.6	73	8.1	335.8	2806	9.5	72	7.4	332.4	2820	12.2	79	9.8	342.6	2846	725	
750	11.7	65	7.5	332.1	2528	10.3	50	5.2	323.7	2522	13.4	73	9.4	339.7	2535	13.9	78	10.4	343.1	2560	750	
775	13.3	73	9.0	335.2	2252	13.1	86	10.6	339.4	2248	14.6	72	9.8	339.0	2258	15.5	92	13.2	350.0	2282	775	
800	14.6	70	9.2	334.2	1984	14.4	88	11.4	340.1	1979	15.7	72	10.1	338.1	1988	16.6	85	12.8	346.8	2011	800	
825	14.6	69	8.8	329.8	1723	15.6	91	12.3	340.9	1717	16.7	71	10.4	337.2	1726	17.6	87	13.5	346.7	1748	825	
850	15.9	76	10.2	332.7	1470	16.7	93	13.2	341.8	1463	17.8	71	10.7	336.3	1470	18.5	89	14.2	346.9	1491	850	
875	17.3	83	11.8	335.8	1222	17.9	95	14.1	342.8	1214	19.0	70	11.2	336.3	1221	19.6	90	14.9	347.2	1241	875	
900	18.4	79	11.8	334.4	980	19.0	94	14.6	342.8	971	19.9	71	11.5	335.5	978	20.6	91	15.6	347.5	997	900	
925	20.0	75	12.0	334.1	744	20.1	92	14.9	342.3	734	20.4	72	11.8	334.3	741	21.5	92	16.3	347.9	758	925	
950	21.7	76	13.3	337.1	513	21.8	80	13.9	338.9	503	21.0	73	12.1	333.0	510	22.5	93	17.0	348.2	525	950	
975	23.5	77	14.6	340.2	286	23.7	71	13.6	337.9	276	22.8	80	14.4	338.9	284	23.9	88	17.1	347.7	298	975	
1000	25.1	79	16.0	343.6	63	26.2	69	15.1	342.4	53	24.5	86	17.0	345.4	61	25.2	84	17.2	347.0	75	1000	
SFC.	25.6	79	16.4	344.6	0	26.8	69	15.4	343.5	0	25.0	88	17.7	347.3	0	25.6	83	17.3	346.7	0	SFC.	
				SURFACE PRESSURE	1007.2				SURFACE PRESSURE	1006.0				SURFACE PRESSURE	1007.0				SURFACE PRESSURE	1008.5		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

3/ 4 1130 GMT						3/ 4 18 0 GMT					3/ 4 2335 GMT					3/ 5 535 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-68.4	0	0.0	457.9	19433	-63.7	0	0.0	468.4	19559	-67.4	0	0.0	460.0	19465	-66.5	0	0.0	462.0	19525	60	
70	-71.6	0	0.0	431.2	18514	-66.0	0	0.0	443.2	18619	-67.0	0	0.0	441.0	18535	-66.7	0	0.0	441.8	18592	70	
80	-77.1	0	0.0	403.7	17737	-74.6	0	0.0	408.9	17825	-75.4	15	.0	407.2	17740	-72.3	0	0.0	413.7	17795	80	
90	-82.0	10	.0	380.6	17069	-77.4	30	.0	389.8	17148	-82.2	15	.0	380.2	17075	-82.5	14	.0	379.6	17117	90	
100	-82.0	10	.0	369.3	16481	-80.5	30	.0	372.2	16548	-82.2	16	.0	368.9	16485	-82.7	15	.0	368.0	16529	100	
110	-79.0	10	.0	365.0	15944	-78.2	31	.0	366.5	16007	-79.5	16	.0	364.1	15949	-79.5	15	.0	364.1	15993	110	
120	-76.3	11	.0	361.0	15445	-76.1	31	.0	361.4	15507	-76.9	16	.0	359.9	15452	-76.2	15	.0	361.1	15496	120	
130	-73.6	11	.0	357.6	14981	-72.5	31	.0	359.6	15041	-73.3	16	.0	358.2	14988	-73.2	14	.0	358.3	15031	130	
140	-70.4	11	.0	355.7	14545	-69.3	31	.0	357.8	14602	-69.9	16	.0	356.6	14551	-70.3	14	.0	355.9	14594	140	
150	-67.5	11	.0	353.9	14132	-66.2	30	.0	356.1	14187	-66.8	16	.0	355.0	14137	-67.2	14	.0	354.4	14181	150	
160	-64.7	10	.0	352.2	13740	-63.3	30	.0	354.5	13793	-63.9	16	.0	353.5	13744	-64.2	13	.0	352.9	13789	160	
170	-62.0	10	.0	350.5	13368	-60.6	30	.0	352.9	13418	-61.1	16	.0	352.0	13370	-61.5	13	.0	351.4	13415	170	
180	-59.6	10	.0	348.8	13013	-57.9	30	.0	351.6	13061	-58.4	16	.0	350.8	13013	-58.6	13	.0	350.5	13059	180	
190	-56.6	10	.0	348.2	12672	-55.3	30	.0	350.5	12718	-55.7	15	.0	349.7	12671	-55.8	13	.0	349.6	12717	190	
200	-53.7	10	.0	347.9	12345	-52.8	30	.0	349.4	12389	-53.2	15	.0	348.7	12342	-53.2	12	.0	348.6	12388	200	
225	-47.5	10	.0	345.9	11576	-47.0	31	.1	346.9	11618	-47.4	15	.0	346.1	11573	-47.2	12	.0	346.4	11619	225	
250	-42.4	10	.0	343.1	10872	-41.7	31	.1	344.6	10912	-42.2	14	.1	343.6	10869	-41.5	11	.0	344.6	10913	250	
275	-37.8	10	.1	340.7	10222	-36.2	30	.2	343.5	10259	-36.9	14	.1	342.1	10217	-36.3	11	.1	343.0	10259	275	
300	-33.0	10	.1	339.2	9616	-31.4	31	.3	342.2	9649	-32.0	14	.1	340.8	9608	-31.6	11	.1	341.3	9650	300	
325	-28.6	10	.1	337.7	9048	-27.1	32	.4	341.0	9077	-27.1	13	.2	340.1	9037	-27.3	11	.1	339.7	9078	325	
350	-23.4	10	.2	337.8	8512	-23.3	34	.6	339.5	8539	-22.4	13	.2	339.6	8498	-21.7	10	.2	340.3	8539	350	
375	-18.3	10	.2	338.4	8002	-20.8	38	.7	336.7	8031	-18.4	13	.3	338.5	7987	-18.4	10	.2	338.2	8027	375	
400	-15.8	10	.3	335.6	7518	-17.2	51	1.3	337.2	7551	-16.3	13	.3	335.2	7503	-16.0	10	.3	335.3	7544	400	
425	-14.3	10	.3	331.9	7060	-12.6	67	2.3	340.8	7091	-13.8	37	1.1	335.3	7045	-14.1	49	1.5	336.2	7084	425	
450	-12.7	12	.4	328.7	6626	-10.1	70	2.8	340.1	6652	-11.7	54	1.9	335.1	6609	-10.8	55	2.1	336.9	6647	450	
475	-10.0	11	.4	327.1	6212	-7.5	74	3.4	340.1	6233	-9.5	47	1.8	332.5	6193	-7.8	38	1.7	334.3	6229	475	
500	-7.5	10	.4	325.6	5814	-4.7	76	4.1	340.9	5830	-6.6	19	.9	328.3	5794	-5.4	34	1.7	332.4	5828	500	
525	-5.5	30	1.5	326.9	5433	-3.8	75	4.1	337.4	5445	-5.4	49	2.4	329.9	5412	-3.7	23	1.3	328.4	5444	525	
550	-3.0	38	2.1	327.8	5066	-1.7	80	4.9	338.1	5076	-3.5	38	2.0	326.9	5045	-2.4	61	3.6	333.0	5076	550	
575	-.5	16	1.0	322.9	4713	.1	80	5.4	337.2	4720	-1.3	40	2.4	326.5	4692	.1	38	2.6	328.6	4721	575	
600	1.7	18	1.3	322.4	4371	1.7	80	5.8	336.4	4377	.7	51	3.4	328.1	4352	2.6	39	3.0	329.0	4378	600	
625	3.8	22	1.8	322.8	4041	3.3	80	6.2	335.7	4047	2.9	52	3.9	328.4	4022	4.5	57	4.8	333.0	4047	625	
650	5.9	32	2.8	325.0	3721	4.8	80	6.7	335.1	3727	5.1	50	4.2	328.0	3703	6.3	71	6.6	336.6	3726	650	
675	8.0	41	4.0	327.5	3411	6.3	80	7.1	334.5	3418	7.1	47	4.4	327.6	3394	8.6	61	6.4	335.2	3414	675	
700	9.0	72	7.4	335.3	3110	7.7	80	7.6	334.0	3118	9.0	46	4.7	327.4	3093	9.8	69	7.5	336.6	3112	700	
725	10.9	80	9.1	339.0	2818	9.1	80	8.0	333.6	2827	10.3	52	5.6	328.2	2802	11.4	71	8.2	337.1	2819	725	
750	11.8	92	10.8	341.4	2533	11.2	90	10.1	338.7	2545	11.4	58	6.6	329.1	2519	12.5	84	10.3	340.9	2534	750	
775	12.7	94	11.3	340.9	2257	12.8	94	11.3	341.0	2269	12.6	64	7.6	330.2	2244	13.3	88	10.9	340.6	2258	775	
800	13.8	96	12.0	340.9	1989	14.1	93	11.8	340.9	2001	13.7	70	8.6	331.3	1976	15.3	87	12.0	343.0	1989	800	
825	15.0	97	12.7	341.3	1728	15.3	92	12.4	340.8	1739	14.8	74	9.5	332.2	1716	16.8	83	12.1	342.0	1727	825	
850	16.1	98	13.4	341.7	1474	16.6	92	12.9	340.8	1485	15.8	75	10.0	332.0	1462	17.9	87	13.3	343.5	1471	850	
875	18.1	98	14.8	345.0	1225	17.7	91	13.4	340.8	1236	16.9	76	10.6	331.9	1215	18.5	92	14.3	344.2	1222	875	
900	19.2	98	15.4	345.2	983	19.3	91	14.4	342.4	994	17.9	77	11.1	331.8	973	19.3	97	15.4	345.3	979	900	
925	20.2	98	16.0	345.4	745	20.9	91	15.5	344.9	756	18.9	77	11.6	331.7	738	21.4	95	16.7	348.8	741	925	
950	21.4	97	16.7	345.9	514	22.4	91	16.6	346.9	524	20.1	77	12.1	331.9	508	23.0	93	17.6	350.7	508	950	
975	23.5	91	17.3	347.5	286	23.7	91	17.5	348.6	296	21.9	73	12.6	332.9	282	24.3	90	18.1	350.9	279	975	
1000	25.4	86	17.8	348.9	63	25.1	91	18.5	350.4	73	23.7	70	13.0	333.7	61	26.5	80	17.8	350.2	56	1000	
SFC.	26.0	84	17.9	349.2	0	25.5	91	18.9	351.0	0	24.2	69	13.1	333.9	0	27.0	78	17.7	349.9	0	SFC.	
				SURFACE PRESSURE	1007.2				SURFACE PRESSURE	1008.3				SURFACE PRESSURE	1007.0				SURFACE PRESSURE	1006.3		

A-10



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

3/ 5 1150 GMT							3/ 5 1835 GMT							3/ 6 012 GMT							3/ 6 6 5 GMT						
P	T	RH	W	EPT	H		T	RH	W	EPT	H		T	RH	W	EPT	H		T	RH	W	EPT	H	P			
60	-68.5	0	0.0	457.6	19473		-65.1	0	0.0	465.1	19456		-66.6	0	0.0	461.8	19536		-61.2	0	0.0	473.9	19514	60			
70	-70.3	24	.0	434.0	18550		-68.8	19	.0	437.2	18531		-68.6	0	0.0	437.6	18610		-69.6	0	0.0	435.4	18579	70			
80	-73.5	18	.0	411.2	17753		-76.0	20	.0	406.0	17738		-75.6	16	.0	406.9	17821		-75.2	0	0.0	407.6	17794	80			
90	-77.2	10	.0	390.2	17068		-73.2	24	.0	398.2	17054		-76.6	16	.0	391.3	17139		-80.2	0	0.0	384.2	17120	90			
100	-82.0	10	.0	369.3	16474		-80.5	22	.0	372.2	16456		-78.5	16	.0	376.1	16538		-81.8	16	.0	369.7	16530	100			
110	-80.6	10	.0	362.0	15938		-80.1	24	.0	363.1	15918		-78.7	16	.0	365.6	15996		-78.8	16	.0	365.3	15991	110			
120	-77.1	13	.0	359.6	15443		-78.3	24	.0	357.3	15425		-75.9	16	.0	361.8	15497		-76.1	15	.0	361.3	15493	120			
130	-73.8	16	.0	357.3	14980		-74.8	23	.0	355.5	14964		-73.2	16	.0	358.4	15032		-73.6	15	.0	357.6	15028	130			
140	-70.8	19	.0	355.1	14544		-71.5	22	.0	353.8	14530		-70.2	16	.0	356.2	14595		-71.3	15	.0	354.2	14592	140			
150	-68.0	22	.0	352.9	14132		-68.4	21	.0	352.3	14119		-67.0	16	.0	354.8	14181		-68.2	16	.0	352.7	14182	150			
160	-65.4	24	.0	350.9	13742		-65.3	21	.0	351.1	13729		-64.0	16	.0	353.3	13789		-64.9	17	.0	351.8	13791	160			
170	-62.9	26	.0	349.1	13371		-62.4	21	.0	349.9	13358		-61.2	15	.0	351.9	13415		-61.9	17	.0	350.8	13419	170			
180	-59.8	24	.0	348.5	13016		-59.7	22	.0	348.7	13003		-58.5	15	.0	350.6	13058		-59.0	18	.0	349.8	13063	180			
190	-56.8	23	.0	347.9	12676		-57.1	22	.0	347.5	12663		-56.0	15	.0	349.2	12716		-56.3	19	.0	348.8	12722	190			
200	-54.1	21	.0	347.3	12349		-54.7	22	.0	346.3	12336		-53.1	15	.0	348.7	12388		-53.7	20	.0	347.8	12394	200			
225	-47.7	18	.0	345.6	11582		-48.6	21	.0	344.3	11573		-46.6	16	.0	347.3	11617		-47.8	44	.1	345.7	11627	225			
250	-42.0	15	.1	343.9	10878		-42.5	20	.1	343.2	10870		-41.7	17	.1	344.4	10911		-42.3	55	.2	344.0	10923	250			
275	-36.8	12	.1	342.2	10225		-37.0	18	.1	342.1	10219		-35.8	16	.1	343.8	10256		-36.7	55	.3	343.4	10271	275			
300	-32.1	11	.1	340.6	9617		-32.5	17	.1	340.1	9611		-30.6	16	.2	342.9	9645		-32.0	28	.2	341.3	9663	300			
325	-27.8	11	.1	338.9	9047		-28.0	17	.2	338.9	9041		-26.2	15	.2	341.4	9071		-27.0	21	.3	340.6	9091	325			
350	-24.6	10	.1	336.2	8510		-23.8	17	.3	337.8	8505		-22.2	14	.3	339.9	8531		-22.3	14	.3	339.8	8552	350			
375	-19.9	M	M	M	8003		-20.4	17	.3	335.9	7998		-18.4	13	.3	338.4	8020		-18.4	10	.2	338.2	8041	375			
400	-16.7	M	M	M	7521		-16.2	16	.4	335.6	7516		-14.9	12	.4	337.0	7535		-15.8	10	.3	335.6	7557	400			
425	-14.6	20	.6	332.4	7064		-13.1	17	.6	334.2	7057		-12.3	24	.8	336.4	7074		-14.1	60	1.8	337.3	7098	425			
450	-11.5	35	1.2	333.2	6628		-12.3	21	.7	330.4	6621		-10.8	33	1.2	334.1	6636		-10.7	48	1.8	336.2	6662	450			
475	-8.7	33	1.4	332.2	6212		-9.7	21	.8	328.9	6206		-8.2	20	.9	330.9	6218		-7.1	17	.8	332.0	6243	475			
500	-6.5	16	.7	327.8	5812		-8.2	44	1.8	329.3	5809		-5.8	18	.9	329.2	5818		-4.6	17	.9	330.8	5841	500			
525	-4.3	13	.7	325.9	5429		-5.2	17	.8	325.2	5428		-4.2	29	1.5	328.6	5434		-2.9	71	4.1	338.6	5456	525			
550	-3.8	15	.8	322.4	5062		-4.0	19	1.0	322.7	5062		-4.0	18	.9	322.7	5068		-1.6	88	5.5	339.9	5085	550			
575	-1.3	26	1.6	323.8	4709		-2.0	34	2.0	324.3	4710		-1.2	34	2.0	325.5	4715		-.3	88	5.7	337.8	4730	575			
600	1.0	39	2.7	326.1	4369		.2	39	2.5	324.6	4370		1.5	49	3.5	329.2	4374		1.9	77	5.6	336.2	4387	600			
625	2.9	63	4.8	330.8	4039		2.1	53	3.8	326.9	4042		4.1	63	5.2	333.6	4043		3.9	69	5.6	334.7	4056	625			
650	4.9	72	6.0	333.2	3720		4.0	53	4.1	326.6	3724		6.2	77	7.1	338.0	3722		6.3	56	5.2	332.5	3736	650			
675	7.0	71	6.6	334.0	3410		5.8	52	4.5	326.2	3416		8.1	90	9.1	342.6	3411		8.6	44	4.6	329.9	3425	675			
700	9.0	71	7.3	334.9	3109		8.7	33	3.3	322.7	3116		9.1	94	9.8	342.2	3109		10.1	52	5.8	331.8	3123	700			
725	10.6	71	7.9	335.3	2817		10.4	43	4.7	325.7	2825		9.8	93	9.8	339.8	2817		12.1	49	6.0	331.6	2830	725			
750	12.0	76	8.9	336.5	2533		12.2	44	5.2	326.0	2542		10.0	84	8.7	333.3	2534		13.2	78	10.0	341.0	2544	750			
775	12.5	95	11.2	340.3	2258		12.9	51	6.1	326.3	2266		13.1	98	12.1	343.6	2258		14.2	80	10.6	340.7	2267	775			
800	12.9	96	11.3	337.9	1990		13.7	64	7.9	329.3	1999		14.4	98	12.7	343.7	1990		15.2	82	11.2	340.4	1998	800			
825	15.2	91	12.1	340.1	1729		14.7	74	9.5	332.1	1739		15.8	98	13.6	344.9	1728		15.9	89	12.3	341.5	1736	825			
850	16.7	91	13.0	341.2	1475		16.1	76	10.4	333.4	1485		17.2	99	14.5	346.1	1472		17.0	94	13.7	343.5	1481	850			
875	18.1	92	13.8	342.4	1226		17.5	78	11.3	334.8	1237		18.6	99	15.4	347.3	1223		18.2	99	15.1	345.9	1232	875			
900	19.5	92	14.7	343.6	983		18.8	80	12.3	336.3	995		19.9	99	16.3	348.6	980		19.5	98	15.8	346.7	989	900			
925	20.8	92	15.6	344.9	745		20.1	82	13.3	337.9	758		21.1	99	17.1	349.5	741		21.2	98	16.9	349.0	751	925			
950	21.7	90	15.7	343.7	513		21.4	84	14.3	339.6	527		21.9	99	17.5	348.7	509		22.5	97	17.9	350.5	518	950			
975	23.7	83	15.9	344.1	286		23.2	82	15.1	341.4	300		22.3	92	16.2	343.2	282		23.8	94	18.2	350.6	290	975			
1000	25.6	77	16.1	344.3	63		25.7	74	15.5	342.8	77		22.5	83	14.4	335.9	61		25.7	87	18.4	350.7	67	1000			
SFC.	26.1	75	16.1	344.2	0		26.5	71	15.5	343.1	0		22.6	80	13.8	333.9	0		26.2	85	18.4	350.6	0	SFC.			
				SURFACE PRESSURE	1007.2					SURFACE PRESSURE	1008.8					SURFACE PRESSURE	1007.0						SURFACE PRESSURE	1007.6			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

3/ 6 1115 GMT						3/ 6 15 0 GMT					3/ 6 1845 GMT					3/ 6 2150 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	0.0	0	0.0	0.0	0	-65.9	0	0.0	463.4	19460	-64.2	0	0.0	467.2	19544	-62.5	0	0.0	471.0	19656	60	
70	0.0	0	0.0	0.0	0	-68.3	19	.0	438.4	18535	-66.0	0	0.0	443.2	18603	-66.6	0	0.0	441.9	18715	70	
80	0.0	0	0.0	0.0	0	-73.8	19	.0	410.5	17745	-75.0	18	.0	408.1	17810	-71.7	0	0.0	414.8	17915	80	
90	0.0	0	0.0	0.0	0	-78.7	19	.0	387.1	17066	-80.5	18	.0	383.5	17133	-78.4	0	0.0	387.7	17232	90	
100	0.0	0	0.0	0.0	0	-83.1	19	.0	367.2	16472	-80.0	18	.0	373.2	16540	-79.5	19	.0	374.2	16634	100	
110	0.0	0	0.0	0.0	0	-80.1	19	.0	363.0	15938	-78.3	19	.0	366.3	15999	-76.6	19	.0	369.5	16090	110	
120	0.0	0	0.0	0.0	0	-77.3	18	.0	359.2	15442	-75.8	18	.0	361.9	15500	-75.0	19	.0	363.5	15587	120	
130	0.0	0	0.0	0.0	0	-74.5	18	.0	356.1	14980	-73.1	18	.0	358.5	15034	-72.2	19	.0	360.3	15120	130	
140	0.0	0	0.0	0.0	0	-71.3	18	.0	354.2	14545	-69.9	18	.0	356.7	14596	-69.0	19	.0	358.2	14680	140	
150	0.0	0	0.0	0.0	0	-68.3	19	.0	352.4	14135	-66.9	18	.0	355.0	14183	-66.1	19	.0	356.3	14265	150	
160	0.0	0	0.0	0.0	0	-65.5	19	.0	350.7	13745	-62.9	18	.0	355.2	13789	-63.2	19	.0	354.6	13871	160	
170	0.0	0	0.0	0.0	0	-62.4	19	.0	349.8	13374	-60.7	17	.0	352.7	13414	-60.5	19	.0	353.0	13495	170	
180	0.0	0	0.0	0.0	0	-59.4	19	.0	349.1	13018	-58.5	17	.0	350.7	13057	-58.0	19	.0	351.5	13137	180	
190	0.0	0	0.0	0.0	0	-56.5	19	.0	348.4	12678	-55.7	16	.0	349.8	12714	-55.6	19	.0	350.0	12795	190	
200	0.0	0	0.0	0.0	0	-53.8	19	.0	347.7	12350	-53.1	16	.0	348.9	12386	-52.9	19	.0	349.2	12466	200	
225	0.0	0	0.0	0.0	0	-47.6	18	.0	345.8	11583	-47.0	15	.0	346.6	11616	-46.5	20	.1	347.5	11695	225	
250	0.0	0	0.0	0.0	0	-42.0	18	.1	344.0	10878	-41.6	14	.1	344.5	10910	-40.1	23	.1	347.0	10986	250	
275	-37.1	54	.3	342.8	10249	-37.5	35	.2	341.7	10226	-36.1	14	.1	343.3	10256	-34.5	30	.2	346.1	10328	275	
300	-32.2	59	.5	342.0	9641	-33.2	79	.6	340.9	9620	-31.3	14	.1	341.8	9646	-29.6	37	.4	345.4	9713	300	
325	-27.7	51	.6	340.9	9071	-29.1	51	.5	338.6	9053	-28.1	20	.2	339.0	9075	-24.9	43	.7	345.0	9137	325	
350	-22.7	48	.8	341.3	8533	-24.2	18	.3	337.2	8519	-23.7	21	.3	338.1	8538	-20.9	51	1.1	344.6	8593	350	
375	-18.2	45	1.1	341.6	8022	-19.6	13	.3	336.8	8011	-19.2	18	.4	337.8	8030	-17.5	62	1.6	344.2	8080	375	
400	-15.6	46	1.3	339.5	7537	-16.4	35	.9	337.1	7529	-15.8	41	1.1	338.7	7546	-15.7	63	1.8	341.0	7595	400	
425	-13.5	58	1.8	338.2	7078	-14.4	22	.6	332.9	7071	-13.7	62	2.0	338.3	7087	-12.3	64	2.2	341.1	7134	425	
450	-10.7	60	2.3	337.7	6641	-11.4	24	.8	331.9	6636	-11.7	29	1.0	332.2	6651	-9.4	42	1.8	337.7	6694	450	
475	-7.2	54	2.5	337.7	6222	-8.3	13	.6	329.8	6219	-9.6	37	1.4	331.2	6235	-8.3	34	1.5	332.9	6275	475	
500	-6.1	63	3.0	335.8	5820	-6.7	49	2.3	332.6	5819	-6.5	35	1.6	330.8	5836	-5.0	40	2.1	334.4	5874	500	
525	-3.8	M	M	M	5436	-5.1	69	3.4	333.5	5437	-4.9	33	1.7	328.3	5453	-2.5	33	2.0	332.4	5488	525	
550	-1.9	M	M	M	5067	-2.7	78	4.5	335.4	5069	-2.3	55	3.2	332.0	5086	-.1	25	1.7	329.8	5118	550	
575	-.2	M	M	M	4713	-.7	74	4.7	334.4	4715	.3	53	3.6	332.3	4731	2.1	17	1.3	327.0	4760	575	
600	2.0	M	M	M	4371	1.2	71	4.9	333.3	4373	3.0	44	3.5	330.9	4388	3.2	44	3.5	331.5	4416	600	
625	4.8	M	M	M	4041	3.5	48	3.8	328.6	4043	4.3	47	3.9	330.0	4056	5.3	46	4.1	331.7	4084	625	
650	6.3	M	M	M	3721	5.5	52	4.6	329.7	3723	5.5	41	3.6	326.8	3736	7.8	31	3.2	328.2	3762	650	
675	7.6	M	M	M	3411	7.1	57	5.3	330.2	3413	6.7	56	5.1	329.3	3426	8.4	68	7.0	336.8	3450	675	
700	7.5	M	M	M	3112	9.4	43	4.6	327.4	3113	9.2	53	5.5	329.7	3126	10.2	59	6.6	334.3	3148	700	
725	7.3	M	M	M	2824	11.7	30	3.6	323.7	2820	11.0	64	7.3	333.8	2834	11.8	50	6.0	331.1	2855	725	
750	12.9	75	9.4	339.0	2541	13.4	30	3.8	323.3	2536	12.3	65	7.8	333.6	2550	13.2	83	10.6	342.9	2570	750	
775	14.3	76	10.1	339.6	2264	15.0	31	4.2	323.2	2259	12.8	53	6.4	326.9	2274	14.9	83	11.4	343.9	2292	775	
800	15.7	77	10.9	340.3	1994	15.6	61	8.5	333.5	1990	13.0	69	8.1	329.2	2007	16.0	86	12.4	344.8	2022	800	
825	17.1	78	11.6	341.1	1731	16.0	72	10.0	335.0	1728	15.2	84	11.1	337.1	1747	17.0	90	13.4	345.9	1759	825	
850	18.4	79	12.4	341.9	1475	16.8	87	12.4	339.8	1473	17.0	86	12.5	340.2	1492	18.7	91	14.7	348.7	1502	850	
875	18.0	92	13.8	342.1	1226	18.4	88	13.5	341.9	1225	18.7	88	13.8	343.1	1243	20.4	93	16.2	351.8	1252	875	
900	19.1	98	15.3	344.8	983	20.0	88	14.5	343.9	981	19.8	85	13.9	341.8	1000	20.0	92	15.2	345.7	1007	900	
925	21.2	99	17.2	350.0	745	21.6	88	15.6	346.0	743	20.6	76	12.6	336.5	763	21.6	84	15.0	344.4	769	925	
950	23.6	98	19.2	355.6	512	23.1	88	16.7	348.2	510	22.1	84	14.9	342.0	531	24.8	84	17.7	353.1	536	950	
975	25.3	93	19.6	356.3	283	24.6	88	17.8	350.5	282	23.9	83	16.2	345.3	304	26.0	83	18.3	353.6	306	975	
1000	27.0	87	19.9	356.8	59	26.0	88	19.0	352.9	58	26.3	72	15.7	344.2	80	27.1	82	18.9	354.1	81	1000	
SFC.	27.4	86	20.0	356.9	0	26.4	88	19.3	353.5	0	27.1	68	15.4	343.5	0	27.5	82	19.1	354.2	0	SFC.	
				SURFACE PRESSURE	1006.6				SURFACE PRESSURE	1006.6				SURFACE PRESSURE	1009.1				SURFACE PRESSURE	1009.2		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

3/ 6 2340 GMT					3/ 7 350 GMT					3/ 7 542 GMT					3/ 7 850 GMT				
P	T	RH	W	EPT H	T	RH	W	EPT H	T	RH	W	EPT H	T	RH	W	EPT H	P		
60	-63.9	0	0.0	467.9 19629	-67.6	0	0.0	459.6 19430	-68.1	0	0.0	458.6 19591	-65.0	0	0.0	465.4 19515	60		
70	-66.1	0	0.0	442.9 18689	-70.0	29	.0	434.8 18502	-68.5	0	0.0	437.9 18663	-67.6	0	0.0	439.8 18582	70		
80	-72.5	0	0.0	413.2 17889	-75.4	30	.0	407.3 17720	-74.6	36	.0	409.0 17880	-75.1	34	.0	407.9 17793	80		
90	-75.7	0	0.0	393.1 17200	-74.8	30	.0	395.0 17038	-75.7	37	.0	393.2 17197	-73.9	34	.0	396.8 17108	90		
100	-79.6	17	.0	374.0 16599	-82.4	30	.0	368.5 16439	-81.1	39	.0	371.1 16596	-83.0	34	.0	367.4 16501	100		
110	-77.0	16	.0	368.8 16058	-80.6	27	.0	362.1 15904	-78.7	38	.0	365.7 16057	-80.0	34	.0	363.2 15966	110		
120	-75.3	14	.0	362.8 15556	-78.4	26	.0	357.2 15411	-76.4	37	.0	360.8 15558	-77.3	34	.0	359.3 15471	120		
130	-71.4	14	.0	361.6 15089	-75.1	28	.0	355.1 14950	-73.6	37	.0	357.7 15094	-74.7	34	.0	355.7 15008	130		
140	-69.2	15	.0	357.9 14648	-72.0	29	.0	353.0 14517	-70.3	37	.0	356.1 14658	-72.4	34	.0	352.3 14575	140		
150	-66.3	15	.0	355.8 14234	-69.2	30	.0	351.0 14108	-67.1	37	.0	354.5 14245	-69.7	34	.0	350.1 14167	150		
160	-63.5	16	.0	354.2 13840	-66.2	30	.0	349.6 13720	-64.2	37	.0	353.0 13852	-66.6	34	.0	348.9 13780	160		
170	-60.7	16	.0	352.7 13465	-63.1	30	.0	348.7 13349	-61.2	37	.0	351.9 13479	-63.8	33	.0	347.6 13411	170		
180	-58.0	16	.0	351.4 13108	-60.3	30	.0	347.7 12995	-58.3	38	.0	351.1 13122	-61.1	33	.0	346.5 13058	180		
190	-55.4	17	.0	350.2 12765	-57.6	30	.0	346.8 12656	-55.4	39	.0	350.3 12779	-58.5	33	.0	345.3 12720	190		
200	-52.9	17	.0	349.1 12436	-55.0	30	.0	345.8 12330	-52.8	40	.1	349.5 12450	-55.7	33	.0	344.8 12395	200		
225	-46.4	16	.0	347.6 11665	-48.3	27	.1	344.8 11567	-46.6	42	.1	347.5 11679	-49.2	34	.1	343.4 11634	225		
250	-40.3	15	.1	346.5 10956	-42.1	24	.1	343.8 10863	-40.4	34	.2	346.7 10971	-42.9	33	.1	342.8 10934	250		
275	-34.8	15	.1	345.3 10298	-36.6	22	.1	342.8 10211	-34.7	26	.2	345.8 10313	-36.9	31	.2	342.6 10283	275		
300	-29.8	16	.2	344.1 9684	-31.7	20	.2	341.4 9602	-29.4	18	.2	344.7 9699	-31.4	29	.3	342.2 9673	300		
325	-25.9	32	.5	342.9 9109	-27.7	21	.2	339.5 9031	-25.4	18	.3	342.8 9123	-26.7	16	.2	340.8 9101	325		
350	-21.8	31	.6	341.7 8568	-24.0	21	.3	337.7 8494	-22.0	39	.7	341.9 8581	-22.7	17	.3	339.3 8562	350		
375	-17.8	20	.5	339.9 8056	-21.5	44	.8	336.2 7988	-19.6	78	1.7	341.7 8071	-19.3	26	.6	338.3 8052	375		
400	-14.9	37	1.1	339.7 7570	-17.9	65	1.5	337.1 7509	-15.8	63	1.8	340.7 7588	-16.8	40	1.0	337.0 7570	400		
425	-10.6	42	1.7	341.4 7108	-14.6	69	2.0	337.2 7053	-12.0	60	2.2	341.2 7127	-13.6	62	1.9	338.3 7112	425		
450	-8.7	49	2.2	340.0 6665	-12.4	71	2.3	335.6 6617	-9.9	83	3.3	342.0 6687	-10.1	59	2.3	338.7 6674	450		
475	-8.4	58	2.5	335.9 6246	-10.0	97	3.6	337.7 6202	-7.7	95	4.3	342.8 6268	-8.6	83	3.5	339.1 6255	475		
500	-5.6	31	1.5	331.6 5846	-7.6	49	2.1	331.1 5804	-4.5	50	2.7	336.7 5866	-6.4	60	2.8	334.7 5856	500		
525	-3.7	26	1.4	329.0 5462	-4.6	25	1.3	327.4 5423	-1.7	22	1.4	331.3 5480	-3.4	34	1.9	330.8 5472	525		
550	-1.1	20	1.3	327.2 5093	-1.7	22	1.3	326.7 5054	.9	16	1.2	329.5 5108	.0	17	1.2	328.4 5102	550		
575	1.4	30	2.2	329.1 4737	1.1	19	1.3	325.9 4699	3.4	18	1.5	329.4 4749	2.4	33	2.6	331.6 4744	575		
600	3.7	40	3.4	331.5 4393	3.0	17	1.3	324.2 4356	5.8	22	2.1	330.0 4402	5.3	21	1.9	328.9 4398	600		
625	4.8	35	3.0	327.8 4060	4.9	26	2.2	325.5 4024	7.6	21	2.2	328.5 4067	5.6	18	1.6	324.5 4064	625		
650	7.1	37	3.6	328.6 3739	6.7	43	4.0	329.6 3703	8.6	33	3.6	330.4 3743	7.2	27	2.6	325.8 3743	650		
675	8.9	43	4.6	330.2 3428	8.2	40	4.0	327.7 3392	9.5	45	5.0	332.2 3431	8.8	35	3.7	327.4 3431	675		
700	10.5	46	5.2	330.6 3126	9.5	38	4.0	325.9 3091	11.1	42	5.0	330.7 3128	10.3	43	4.8	329.3 3129	700		
725	12.1	35	4.3	326.3 2832	10.9	37	4.1	324.4 2799	12.9	33	4.2	327.2 2834	12.1	40	4.9	328.3 2836	725		
750	12.7	58	7.1	332.2 2548	12.2	41	4.9	325.1 2516	14.3	37	5.1	328.2 2549	13.9	35	4.6	326.2 2551	750		
775	13.9	63	8.2	333.6 2272	13.4	46	5.7	325.9 2240	15.7	43	6.2	330.0 2271	14.3	50	6.7	329.6 2274	775		
800	16.1	48	6.9	329.3 2003	14.7	50	6.6	326.8 1972	16.8	52	7.8	332.8 2001	14.3	72	9.2	333.8 2006	800		
825	16.6	60	8.7	332.0 1740	14.8	69	8.9	330.5 1711	16.8	75	11.0	339.0 1738	15.8	66	9.1	332.2 1745	825		
850	18.1	54	8.3	329.9 1485	15.5	79	10.4	332.7 1458	18.1	77	11.9	340.0 1482	17.3	69	10.1	334.0 1490	850		
875	19.1	67	10.7	335.1 1236	16.9	80	11.2	333.6 1211	19.6	75	12.4	340.3 1232	18.9	72	11.4	336.6 1241	875		
900	21.4	62	11.2	336.3 992	19.0	70	10.8	332.5 969	21.5	70	12.7	340.6 988	19.7	83	13.4	340.3 998	900		
925	22.3	69	12.7	338.9 754	20.5	81	13.4	338.6 732	22.0	92	16.8	350.0 750	20.8	93	15.7	345.3 761	925		
950	23.4	80	15.4	344.9 521	22.0	91	16.0	344.9 500	23.6	87	17.0	349.6 516	22.3	96	17.3	348.6 528	950		
975	25.6	79	17.0	349.5 292	23.7	79	15.2	342.1 273	25.1	82	17.0	349.0 288	24.3	86	17.2	348.4 300	975		
1000	27.8	78	18.7	354.3 68	25.7	70	14.7	340.7 50	26.6	76	17.0	348.2 64	26.3	77	16.9	347.5 77	1000		
SFC.	28.4	78	19.2	355.9 0	26.2	69	14.9	341.2 0	27.0	75	17.0	347.9 0	27.0	74	16.7	347.0 0	SFC.		
				SURFACE PRESSURE 1007.6				SURFACE PRESSURE 1005.7					SURFACE PRESSURE 1007.2				SURFACE PRESSURE 1008.7		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

3/ 7 1115 GMT						3/ 8 1135 GMT						3/ 8 1528 GMT						3/ 8 1728 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P			
60	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-68.3	0	0.0	458.0	19470	-68.1	0	0.0	458.5	19469	60			
70	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-70.3	0	0.0	434.0	18550	-69.8	0	0.0	435.1	18550	70			
80	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-78.4	30	.0	401.1	17766	-76.2	19	.0	405.6	17762	80			
90	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-81.0	30	.0	382.7	17104	-80.2	20	.0	384.2	17090	90			
100	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-76.7	30	.0	379.6	16504	-80.0	20	.0	373.2	16494	100			
110	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-79.4	30	.0	364.3	15961	-80.2	21	.0	362.8	15955	110			
120	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-76.3	30	.0	361.0	15463	-76.8	21	.0	360.1	15459	120			
130	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-73.5	30	.0	357.8	14998	-73.7	21	.0	357.5	14995	130			
140	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-70.4	30	.0	355.7	14562	-70.7	21	.0	355.2	14559	140			
150	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-67.4	30	.0	354.0	14149	-67.9	20	.0	353.1	14147	150			
160	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-64.6	30	.0	352.3	13758	-65.3	20	.0	351.1	13757	160			
170	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-62.0	30	.0	350.6	13385	-62.8	20	.0	349.2	13386	170			
180	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-59.5	30	.0	349.0	13030	-60.1	20	.0	348.0	13031	180			
190	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-57.2	30	.0	347.5	12690	-57.5	19	.0	346.9	12692	190			
200	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-54.5	30	.0	346.6	12363	-55.0	19	.0	345.7	12366	200			
225	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-48.2	29	.1	345.0	11598	-48.5	19	.0	344.3	11603	225			
250	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-42.5	29	.1	343.3	10895	-42.2	18	.1	343.7	10900	250			
275	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-37.4	28	.2	341.7	10244	-36.4	18	.1	343.0	10247	275			
300	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-32.7	28	.2	340.2	9638	-32.5	17	.1	340.2	9640	300			
325	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-28.7	38	.4	338.8	9069	-27.7	16	.2	339.3	9071	325			
350	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-23.8	28	.5	338.5	8533	-23.3	15	.2	338.4	8533	350			
375	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-19.2	20	.4	337.9	8025	-19.2	14	.3	337.5	8024	375			
400	-18.8	47	1.0	334.3	7517	-14.8	27	.8	338.8	7546	-14.9	12	.4	337.0	7541	-15.3	13	.4	336.6	7540	400			
425	-15.2	47	1.3	334.2	7062	-11.8	21	.8	336.7	7085	-11.9	12	.4	335.4	7079	-12.3	12	.4	334.9	7080	425			
450	-11.8	48	1.6	334.2	6627	-9.0	16	.7	334.4	6645	-9.0	12	.5	333.9	6639	-10.2	20	.8	333.3	6641	450			
475	-9.9	73	2.8	335.1	6211	-7.4	35	1.6	334.5	6226	-7.6	35	1.6	334.1	6220	-8.1	25	1.1	331.9	6223	475			
500	-7.8	49	2.1	330.5	5814	-4.8	35	1.8	333.6	5824	-5.0	29	1.5	332.3	5819	-5.6	22	1.1	330.2	5822	500			
525	-4.8	39	2.0	329.5	5432	-2.1	24	1.5	331.1	5438	-2.5	23	1.4	330.4	5434	-3.1	19	1.1	328.5	5438	525			
550	-1.8	31	1.9	328.3	5064	.2	16	1.1	328.4	5067	-.1	18	1.2	328.2	5063	-.8	15	1.0	326.7	5068	550			
575	1.0	24	1.7	327.1	4708	1.6	17	1.2	326.3	4710	1.7	14	1.1	325.8	4706	1.4	12	.9	324.9	4712	575			
600	3.8	17	1.4	325.4	4365	2.5	20	1.5	324.2	4366	2.4	16	1.2	323.3	4363	2.1	13	.9	321.8	4369	600			
625	3.6	27	2.1	323.6	4034	3.3	24	1.9	322.6	4036	4.0	22	1.8	323.0	4032	3.7	14	1.1	320.7	4039	625			
650	5.1	36	3.1	324.7	3714	5.4	25	2.2	322.4	3717	5.4	27	2.4	322.9	3713	5.8	16	1.4	320.3	3720	650			
675	6.5	46	4.1	325.9	3405	7.4	27	2.5	322.3	3408	7.2	30	2.8	322.9	3403	7.7	18	1.7	320.1	3410	675			
700	8.1	50	4.9	326.7	3106	9.4	28	2.9	322.3	3107	9.4	30	3.1	323.0	3103	9.6	19	2.1	320.0	3109	700			
725	10.4	44	4.8	325.8	2815	11.3	29	3.3	322.5	2815	11.4	29	3.4	323.0	2811	11.5	21	2.5	320.1	2817	725			
750	12.6	38	4.6	324.6	2531	13.1	30	3.7	322.7	2531	13.4	29	3.8	323.2	2527	13.2	23	2.9	320.2	2533	750			
775	14.1	44	5.7	326.5	2255	14.8	31	4.2	323.0	2255	15.4	29	4.1	323.3	2250	14.9	24	3.3	320.4	2257	775			
800	14.5	71	9.2	334.1	1987	16.0	38	5.4	325.0	1986	16.0	45	6.4	327.7	1980	15.9	34	4.8	323.0	1988	800			
825	14.1	90	11.0	335.6	1726	16.7	49	7.2	327.9	1724	15.3	88	11.8	339.3	1719	15.2	70	9.3	332.1	1727	825			
850	16.0	78	10.5	333.6	1473	17.0	66	9.5	332.0	1469	16.8	84	12.0	338.8	1464	15.4	95	12.4	337.9	1474	850			
875	17.8	67	9.8	331.0	1225	17.2	83	11.8	335.7	1221	18.2	88	13.3	341.2	1216	17.3	91	13.0	339.1	1226	875			
900	18.7	74	11.3	333.4	983	19.3	80	12.6	337.8	979	19.5	92	14.7	343.7	973	18.7	88	13.3	338.9	984	900			
925	19.5	85	13.3	336.9	747	20.9	82	13.9	340.6	742	20.9	95	16.1	346.3	735	20.7	84	14.2	340.9	747	925			
950	20.5	92	14.8	339.7	516	21.6	96	16.5	345.7	510	23.0	91	17.1	349.1	502	23.1	82	15.5	345.0	514	950			
975	22.2	87	15.3	340.6	290	23.8	89	17.2	347.7	282	25.0	87	18.1	351.7	274	25.5	79	16.9	349.2	286	975			
1000	23.9	83	15.7	341.3	68	25.9	83	17.7	349.3	59	27.1	83	19.0	354.3	50	27.8	77	18.3	353.4	61	1000			
SFC.	24.4	82	15.9	341.5	0	26.5	81	17.8	349.6	0	27.5	82	19.2	354.8	0	28.4	76	18.7	354.6	0	SFC.			
	SURFACE PRESSURE 1007.8						SURFACE PRESSURE 1006.7						SURFACE PRESSURE 1005.6						SURFACE PRESSURE 1006.9					

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

3/ 8 2040 GMT					3/ 8 2315 GMT					3/ 9 217 GMT					3/ 9 6 0 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-68.5	0	0.0	457.6	19543	0.0	0	0.0	0.0	0	-69.4	0	0.0	455.6	19470	0.0	0	0.0	0.0	0	60	
70	-70.1	0	0.0	434.3	18628	0.0	0	0.0	0.0	0	-73.1	0	0.0	428.1	18568	0.0	0	0.0	0.0	0	70	
80	-75.5	21	.0	407.1	17841	0.0	0	0.0	0.0	0	-71.8	25	.0	414.7	17782	0.0	0	0.0	0.0	0	80	
90	-78.8	21	.0	387.0	17164	0.0	0	0.0	0.0	0	-79.4	26	.0	385.7	17105	0.0	0	0.0	0.0	0	90	
100	-77.7	21	.0	377.6	16565	0.0	0	0.0	0.0	0	-79.7	26	.0	373.8	16510	0.0	0	0.0	0.0	0	100	
110	-77.2	21	.0	368.4	16021	0.0	0	0.0	0.0	0	-76.2	25	.0	370.3	15966	0.0	0	0.0	0.0	0	110	
120	-74.6	21	.0	364.2	15518	0.0	0	0.0	0.0	0	-75.6	25	.0	362.3	15463	0.0	0	0.0	0.0	0	120	
130	-72.1	21	.0	360.3	15050	0.0	0	0.0	0.0	0	-73.3	25	.0	358.2	14997	0.0	0	0.0	0.0	0	130	
140	-69.9	21	.0	356.7	14611	0.0	0	0.0	0.0	0	-71.2	24	.0	354.4	14561	0.0	0	0.0	0.0	0	140	
150	-67.8	21	.0	353.3	14199	0.0	0	0.0	0.0	0	-68.8	24	.0	351.7	14151	0.0	0	0.0	0.0	0	150	
160	-65.2	21	.0	351.2	13808	0.0	0	0.0	0.0	0	-65.5	24	.0	350.9	13762	0.0	0	0.0	0.0	0	160	
170	-62.2	21	.0	350.2	13436	0.0	0	0.0	0.0	0	-62.3	24	.0	350.0	13390	-62.2	29	.0	350.3	13423	170	
180	-59.4	20	.0	349.2	13081	0.0	0	0.0	0.0	0	-59.4	23	.0	349.1	13035	-59.3	29	.0	349.3	13067	180	
190	-56.7	20	.0	348.2	12740	0.0	0	0.0	0.0	0	-56.6	23	.0	348.3	12694	-56.6	29	.0	348.3	12727	190	
200	-54.1	20	.0	347.2	12413	0.0	0	0.0	0.0	0	-54.0	23	.0	347.4	12367	-53.9	27	.0	347.6	12399	200	
225	-47.9	20	.0	345.3	11647	0.0	0	0.0	0.0	0	-47.8	23	.1	345.5	11601	-47.6	24	.1	345.8	11632	225	
250	-41.9	20	.1	344.1	10943	0.0	0	0.0	0.0	0	-42.1	23	.1	343.9	10897	-42.0	21	.1	344.0	10928	250	
275	-36.1	19	.1	343.5	10290	0.0	0	0.0	0.0	0	-36.9	23	.1	342.4	10244	-36.8	20	.1	342.4	10275	275	
300	-32.0	20	.2	341.0	9680	0.0	0	0.0	0.0	0	-32.1	23	.2	340.9	9636	-31.9	20	.2	341.1	9667	300	
325	-27.9	20	.2	339.3	9110	0.0	0	0.0	0.0	0	-28.8	25	.3	338.1	9066	-28.0	22	.3	339.1	9096	325	
350	-23.1	18	.3	338.9	8573	0.0	0	0.0	0.0	0	-24.0	20	.3	337.6	8531	-23.9	22	.3	337.9	8560	350	
375	-18.6	17	.4	338.5	8063	0.0	0	0.0	0.0	0	-19.6	16	.4	337.0	8023	-19.4	19	.4	337.5	8052	375	
400	-14.4	15	.5	338.1	7578	-14.5	15	.5	338.0	7576	-16.0	16	.4	336.0	7540	-15.5	16	.5	336.6	7569	400	
425	-11.0	14	.6	337.0	7115	-11.0	14	.5	336.8	7114	-12.6	16	.5	334.9	7081	-12.5	17	.6	335.1	7108	425	
450	-8.7	16	.7	335.0	6674	-8.5	16	.7	335.3	6672	-9.9	23	.9	334.2	6642	-9.7	17	.7	333.8	6669	450	
475	-7.0	19	.9	332.6	6254	-6.5	22	1.1	333.8	6251	-7.5	33	1.5	334.0	6223	-6.9	22	1.0	333.2	6250	475	
500	-4.7	18	.9	330.8	5852	-4.2	21	1.2	332.1	5849	-5.0	29	1.5	332.4	5821	-4.2	34	1.9	334.6	5847	500	
525	-2.5	17	1.0	329.0	5466	-1.8	14	.9	329.4	5463	-2.5	24	1.4	330.4	5436	-2.2	27	1.7	331.6	5461	525	
550	-.4	16	1.1	327.4	5096	-.1	13	.9	327.3	5092	-.2	18	1.2	328.3	5066	-.3	20	1.4	328.5	5091	550	
575	1.5	15	1.1	325.7	4740	1.3	14	1.0	325.2	4735	.8	23	1.6	326.5	4709	1.1	19	1.4	326.0	4734	575	
600	2.4	16	1.2	323.3	4396	2.4	16	1.2	323.0	4392	1.6	31	2.2	325.4	4367	2.3	34	2.5	327.1	4391	600	
625	4.0	19	1.5	322.3	4066	5.2	15	1.3	323.0	4061	3.9	31	2.5	325.2	4037	4.8	34	2.9	327.6	4060	625	
650	6.0	21	1.9	322.3	3746	6.7	18	1.7	322.4	3740	6.1	31	2.8	325.1	3716	7.4	25	2.5	325.5	3739	650	
675	7.6	39	3.7	326.1	3436	8.6	20	2.1	322.2	3429	8.2	31	3.1	325.0	3406	9.2	26	2.8	325.2	3427	675	
700	10.1	33	3.7	325.5	3135	10.6	21	2.4	322.2	3128	10.2	31	3.5	325.0	3105	11.0	27	3.2	325.0	3125	700	
725	12.4	28	3.5	324.5	2842	12.5	22	2.8	322.3	2835	12.2	31	3.8	325.0	2812	12.6	28	3.6	324.8	2831	725	
750	14.2	29	3.9	324.3	2557	14.3	24	3.2	322.5	2550	13.9	31	4.2	325.0	2527	14.2	29	4.0	324.8	2546	750	
775	15.6	31	4.4	324.5	2280	16.1	25	3.6	322.8	2272	15.6	32	4.6	325.0	2250	15.5	34	4.9	325.8	2269	775	
800	17.0	33	5.0	324.9	2010	16.1	30	4.3	321.8	2003	16.3	35	5.1	324.4	1980	16.4	43	6.3	327.9	1999	800	
825	16.9	50	7.3	328.6	1747	17.3	43	6.5	326.5	1741	16.2	58	8.1	329.8	1718	17.4	51	7.7	330.1	1737	825	
850	17.5	59	8.7	330.3	1492	17.5	65	9.6	332.8	1485	16.8	69	9.8	332.5	1464	16.9	85	12.2	339.4	1481	850	
875	18.7	61	9.5	331.0	1244	19.6	62	10.2	334.1	1236	18.3	68	10.3	332.9	1216	18.9	82	13.0	341.0	1232	875	
900	18.6	68	10.2	330.3	1001	20.9	61	10.5	333.9	993	19.8	67	10.9	333.5	973	20.3	83	14.0	342.9	989	900	
925	20.5	76	12.5	336.2	765	22.1	62	11.3	334.8	755	20.9	73	12.3	336.1	736	20.6	95	15.9	345.5	751	925	
950	22.9	76	14.2	341.1	533	23.4	68	13.2	339.1	522	22.3	76	13.6	338.8	504	22.6	90	16.5	347.0	519	950	
975	24.8	73	14.9	342.7	305	25.3	66	13.9	340.7	294	25.1	69	14.4	341.7	276	24.5	84	17.1	348.4	291	975	
1000	26.6	69	15.2	343.4	81	28.4	70	17.3	351.3	70	28.7	64	16.1	348.4	52	26.4	79	17.5	349.4	67	1000	
SFC.	27.3	66	15.1	343.0	0	30.1	74	20.1	360.7	0	29.5	63	16.5	350.0	0	27.0	78	17.7	349.7	0	SFC.	
				SURFACE PRESSURE	1009.2				SURFACE PRESSURE	1007.8				SURFACE PRESSURE	1005.8				SURFACE PRESSURE	1007.6		

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA PALMYRA ISLAND

3/ 9 855 GMT					3/ 9 1125 GMT					3/ 9 1814 GMT					3/ 9 2350 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-66.8	0	0.0	461.4	19531	-65.8	0	0.0	463.7	19472	-66.8	0	0.0	461.4	19501	-61.9	0	0.0	472.4	19554	60	
70	-73.1	0	0.0	428.1	18621	-71.5	0	0.0	431.3	18556	-72.2	0	0.0	429.9	18587	-72.7	0	0.0	428.9	18616	70	
80	-75.7	31	.0	406.7	17842	-75.8	21	.0	406.5	17776	-74.4	17	.0	409.4	17802	-76.0	0	0.0	406.1	17836	80	
90	-81.8	32	.0	380.9	17172	-82.0	21	.0	380.7	17106	-81.0	22	.0	382.5	17128	-82.4	0	0.0	379.8	17173	90	
100	-80.0	32	.0	373.1	16581	-80.3	20	.0	372.6	16514	-81.0	21	.0	371.3	16538	-80.3	20	.0	372.6	16581	100	
110	-76.7	31	.0	369.4	16038	-78.2	20	.0	366.5	15973	-77.3	23	.0	368.2	15996	-78.0	20	.0	366.9	16040	110	
120	-75.0	31	.0	363.5	15534	-76.3	19	.0	361.0	15474	-75.1	24	.0	363.3	15494	-75.2	20	.0	363.0	15539	120	
130	-74.3	31	.0	356.5	15069	-74.6	19	.0	356.0	15010	-73.6	25	.0	357.6	15028	-72.6	20	.0	359.4	15072	130	
140	-71.8	31	.0	353.4	14635	-71.7	19	.0	353.5	14577	-70.5	24	.0	355.6	14592	-70.3	20	.0	356.1	14634	140	
150	-68.3	31	.0	352.5	14225	-68.3	19	.0	352.5	14166	-67.6	23	.0	353.6	14180	-67.1	20	.0	354.5	14221	150	
160	-65.0	31	.0	351.7	13834	-65.1	19	.0	351.5	13776	-64.9	22	.0	351.7	13789	-64.0	20	.0	353.3	13829	160	
170	-61.9	31	.0	350.8	13462	-62.1	19	.0	350.5	13404	-62.2	21	.0	350.3	13417	-61.0	19	.0	352.1	13455	170	
180	-59.0	31	.0	349.8	13106	-59.2	19	.0	349.4	13048	-59.2	20	.0	349.4	13061	-58.3	19	.0	351.0	13098	180	
190	-56.1	30	.0	349.1	12765	-56.5	19	.0	348.5	12707	-56.4	20	.0	348.6	12720	-55.6	19	.0	350.0	12755	190	
200	-53.4	29	.0	348.4	12436	-53.9	19	.0	347.5	12380	-53.5	21	.0	348.1	12392	-52.9	19	.0	349.1	12427	200	
225	-47.1	27	.1	346.6	11668	-47.9	20	.0	345.2	11613	-47.0	22	.1	346.8	11623	-46.9	18	.0	346.9	11657	225	
250	-41.5	26	.1	344.7	10962	-42.3	19	.1	343.4	10910	-41.1	23	.1	345.4	10917	-41.0	18	.1	345.5	10949	250	
275	-36.5	24	.1	343.0	10308	-37.2	17	.1	341.8	10258	-36.8	25	.2	342.6	10262	-35.6	18	.1	344.2	10294	275	
300	-31.8	23	.2	341.4	9699	-32.4	16	.1	340.3	9651	-31.7	26	.2	341.7	9653	-30.9	20	.2	342.7	9682	300	
325	-27.5	25	.3	340.0	9128	-28.1	15	.2	338.7	9082	-29.1	39	.4	338.1	9084	-26.8	25	.3	341.0	9110	325	
350	-23.2	25	.4	339.1	8591	-24.0	13	.2	337.2	8545	-24.6	28	.4	337.2	8550	-23.9	31	.5	338.5	8571	350	
375	-18.6	21	.5	339.0	8081	-19.2	11	.2	337.1	8037	-20.2	22	.5	336.7	8043	-19.5	31	.7	338.3	8063	375	
400	-14.2	18	.6	338.7	7595	-15.2	M	M	M	7554	-16.0	16	.4	335.9	7561	-15.1	30	.9	338.7	7580	400	
425	-10.8	16	.6	337.6	7132	-11.5	M	M	M	7092	-11.5	16	.6	336.5	7100	-10.8	28	1.1	339.2	7117	425	
450	-8.3	17	.8	335.6	6691	-8.9	M	M	M	6652	-8.9	16	.7	334.6	6660	-7.9	31	1.4	338.6	6675	450	
475	-6.0	18	.9	333.9	6270	-6.8	13	.6	331.8	6231	-7.6	20	.9	331.9	6240	-6.3	33	1.7	336.0	6253	475	
500	-4.0	32	1.8	334.5	5866	-5.4	19	1.0	330.0	5830	-5.6	22	1.1	330.0	5840	-4.5	33	1.8	334.0	5851	500	
525	-1.7	23	1.4	331.5	5480	-2.9	15	.9	328.1	5445	-2.4	18	1.1	329.6	5455	-1.8	32	2.0	333.3	5465	525	
550	.1	17	1.2	328.3	5108	-.6	11	.7	326.1	5076	-.3	15	1.0	327.5	5084	.5	31	2.2	332.2	5093	550	
575	1.1	21	1.5	326.5	4752	-.3	29	1.9	326.0	4720	.8	16	1.1	324.8	4728	2.1	30	2.3	330.2	4735	575	
600	2.7	39	3.0	329.3	4409	1.8	23	1.7	323.9	4378	1.2	19	1.3	322.0	4386	3.6	29	2.4	328.3	4391	600	
625	5.2	28	2.5	326.8	4077	4.5	13	1.1	321.3	4048	3.8	23	1.9	323.0	4056	4.8	30	2.6	326.4	4059	625	
650	7.6	22	2.2	325.1	3755	6.8	13	1.2	320.7	3727	5.9	23	2.1	322.5	3736	7.2	37	3.6	328.8	3738	650	
675	9.7	24	2.6	325.3	3443	9.0	12	1.3	320.2	3417	8.1	20	2.0	321.4	3427	9.2	34	3.7	327.8	3426	675	
700	11.8	25	3.1	325.5	3140	11.1	12	1.4	319.6	3115	10.8	20	2.3	322.1	3125	11.7	33	4.1	328.5	3124	700	
725	13.8	26	3.5	325.9	2846	12.6	14	1.7	319.1	2822	12.9	21	2.6	322.2	2832	13.7	35	4.8	329.7	2829	725	
750	15.7	27	4.0	326.5	2559	14.0	16	2.1	318.8	2537	14.2	26	3.5	323.2	2547	14.2	39	5.3	328.6	2543	750	
775	16.8	35	5.4	328.8	2281	15.3	18	2.5	318.5	2260	14.0	37	4.8	323.6	2270	14.8	42	5.7	327.5	2266	775	
800	17.2	53	8.2	334.5	2010	11.7	51	5.5	320.3	1993	14.7	40	5.2	322.7	2002	15.3	47	6.4	326.9	1997	800	
825	16.9	80	11.8	341.2	1747	13.6	63	7.5	325.1	1734	14.5	62	7.8	326.9	1742	15.8	64	8.8	331.4	1736	825	
850	18.2	78	12.1	340.7	1491	15.9	98	13.3	341.1	1481	15.5	74	9.6	330.4	1489	17.2	67	9.8	333.1	1481	850	
875	19.1	87	13.9	343.7	1241	17.7	95	13.9	342.1	1233	17.2	74	10.6	332.4	1241	18.6	70	10.9	334.8	1232	875	
900	19.9	95	15.6	346.8	997	19.4	91	14.5	343.1	991	19.0	75	11.6	334.5	1000	19.9	73	12.0	336.8	989	900	
925	20.6	95	15.9	345.4	760	21.0	88	15.1	344.0	753	20.6	76	12.7	336.8	763	21.2	76	13.2	338.8	752	925	
950	22.7	89	16.6	347.4	527	22.6	85	15.7	344.8	521	22.3	77	13.8	339.2	531	23.0	76	14.2	341.3	520	950	
975	24.8	84	17.2	349.2	299	24.2	82	16.2	345.5	293	23.9	73	14.2	339.6	304	25.7	69	15.0	344.1	291	975	
1000	26.8	79	17.8	350.6	75	25.7	79	16.7	346.2	70	25.5	67	14.0	338.5	81	28.4	63	15.5	346.5	67	1000	
SFC.	27.5	77	17.9	351.1	0	26.2	78	16.8	346.3	0	26.1	65	13.8	338.0	0	29.2	61	15.6	347.1	0	SFC.	
				SURFACE PRESSURE	1008.5				SURFACE PRESSURE	1007.9				SURFACE PRESSURE	1009.2				SURFACE PRESSURE	1007.5		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

3/10 6 0 GMT						3/10 1135 GMT						3/10 15 0 GMT						3/10 1750 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-69.4	0	0.0	455.6	19327	-66.1	0	0.0	462.9	19481	-70.2	0	0.0	453.8	19405	-66.5	0	0.0	462.1	19427	60		
70	-73.2	0	0.0	427.7	18415	-73.5	0	0.0	427.1	18556	-67.5	0	0.0	440.1	18483	-71.1	0	0.0	432.2	18502	70		
80	-78.0	0	0.0	401.9	17643	-75.9	21	.0	406.2	17785	-76.1	0	0.0	405.9	17701	-75.0	0	0.0	408.2	17723	80		
90	-85.8	0	0.0	373.0	16986	-82.1	21	.0	380.4	17110	-79.3	23	.0	386.0	17023	-80.0	22	.0	384.6	17041	90		
100	-83.5	0	0.0	366.4	16404	-81.4	21	.0	370.5	16522	-81.9	23	.0	369.5	16432	-80.8	22	.0	371.6	16446	100		
110	-79.8	21	.0	363.5	15869	-78.2	20	.0	366.6	15982	-80.6	23	.0	362.1	15897	-79.6	22	.0	363.9	15908	110		
120	-77.7	20	.0	358.4	15374	-78.3	20	.0	357.4	15484	-78.3	23	.0	357.3	15403	-78.0	22	.0	357.8	15413	120		
130	-75.8	20	.0	353.8	14914	-74.7	20	.0	355.7	15023	-75.1	23	.0	355.0	14943	-74.9	22	.0	355.4	14952	130		
140	-72.4	20	.0	352.2	14482	-71.4	20	.0	354.1	14589	-71.6	23	.0	353.7	14510	-71.9	22	.0	353.2	14518	140		
150	-69.1	21	.0	351.0	14073	-68.3	20	.0	352.5	14178	-68.3	23	.0	352.4	14099	-68.6	22	.0	352.0	14108	150		
160	-66.1	21	.0	349.8	13685	-65.1	20	.0	351.5	13788	-65.3	23	.0	351.1	13709	-65.5	22	.0	350.8	13719	160		
170	-63.1	21	.0	348.7	13314	-62.0	19	.0	350.5	13415	-62.4	23	.0	349.8	13338	-62.6	22	.0	349.5	13347	170		
180	-60.2	21	.0	347.8	12960	-59.2	19	.0	349.5	13060	-59.7	23	.0	348.6	12983	-59.9	22	.0	348.3	12993	180		
190	-57.5	20	.0	346.8	12621	-56.5	19	.0	348.5	12719	-57.1	23	.0	347.4	12643	-57.2	22	.0	347.4	12653	190		
200	-54.9	20	.0	345.9	12295	-53.9	18	.0	347.5	12391	-54.4	22	.0	346.7	12316	-54.4	22	.0	346.8	12326	200		
225	-48.9	20	.0	343.8	11532	-47.8	18	.0	345.5	11625	-48.2	21	.0	344.9	11551	-48.0	21	.0	345.2	11561	225		
250	-43.4	21	.1	341.9	10832	-41.9	19	.1	344.1	10920	-42.6	20	.1	343.0	10848	-43.0	21	.1	342.4	10858	250		
275	-38.4	22	.1	340.1	10183	-36.6	19	.1	342.8	10267	-37.6	19	.1	341.2	10198	-38.1	20	.1	340.5	10209	275		
300	-33.8	22	.2	338.4	9579	-31.7	19	.2	341.4	9658	-33.0	18	.1	339.5	9592	-33.6	19	.1	338.6	9604	300		
325	-29.6	23	.2	336.8	9013	-27.2	20	.2	340.1	9087	-28.7	17	.2	337.9	9023	-29.4	18	.2	336.9	9038	325		
350	-25.7	25	.3	335.4	8480	-23.1	20	.3	339.0	8549	-24.8	16	.2	336.3	8489	-25.5	18	.2	335.4	8505	350		
375	-21.8	38	.7	335.3	7976	-19.6	23	.5	337.5	8039	-21.2	15	.3	334.7	7983	-21.8	17	.3	333.9	8000	375		
400	-17.9	20	.5	333.5	7497	-16.7	32	.8	336.4	7558	-18.2	25	.6	333.5	7504	-18.4	17	.4	332.5	7522	400		
425	-14.5	19	.6	332.5	7041	-12.8	27	.9	335.9	7099	-14.3	25	.7	333.4	7048	-14.4	21	.6	332.8	7066	425		
450	-11.5	20	.7	331.4	6605	-9.1	23	1.0	335.3	6660	-10.8	27	1.0	333.3	6611	-11.0	29	1.1	333.3	6630	450		
475	-9.5	31	1.2	330.5	6189	-7.1	41	1.9	335.9	6240	-9.2	45	1.8	332.8	6194	-10.1	44	1.6	331.1	6214	475		
500	-7.5	39	1.7	329.9	5791	-6.4	34	1.6	330.7	5839	-8.0	40	1.7	329.2	5796	-7.8	34	1.4	328.5	5817	500		
525	-4.4	30	1.6	328.6	5409	-3.2	28	1.6	330.1	5455	-5.1	29	1.5	327.4	5415	-4.6	29	1.5	328.1	5435	525		
550	-1.5	22	1.4	327.0	5040	-.3	23	1.5	329.1	5085	-2.3	24	1.4	326.4	5048	-1.5	25	1.5	327.6	5067	550		
575	-.1	19	1.3	324.3	4685	1.2	19	1.4	326.2	4729	.4	20	1.3	325.2	4693	1.5	20	1.5	326.9	4711	575		
600	.8	19	1.3	321.4	4344	3.1	20	1.6	325.2	4386	2.2	23	1.7	324.5	4350	2.5	19	1.4	324.0	4367	600		
625	4.6	16	1.4	322.4	4014	6.0	30	2.8	328.5	4053	4.2	20	1.7	322.9	4020	3.8	20	1.6	322.3	4037	625		
650	6.0	22	2.0	322.4	3694	7.9	22	2.3	325.4	3731	6.1	19	1.7	321.7	3700	5.3	22	1.8	321.1	3718	650		
675	7.4	28	2.7	322.7	3384	9.4	19	2.1	323.2	3419	8.0	19	1.9	320.8	3390	6.6	23	2.1	319.9	3409	675		
700	9.2	28	2.9	321.9	3084	10.9	24	2.8	323.9	3117	9.7	19	2.0	320.0	3089	8.9	23	2.3	319.8	3109	700		
725	11.4	21	2.5	320.0	2792	13.2	22	2.9	323.4	2824	11.4	19	2.2	319.2	2797	11.1	22	2.5	319.8	2818	725		
750	12.8	22	2.7	319.2	2509	14.7	24	3.3	323.1	2538	11.7	29	3.3	319.8	2514	12.2	47	5.5	327.0	2534	750		
775	12.8	34	4.0	320.2	2233	15.5	28	4.0	323.1	2260	10.1	80	8.0	328.3	2240	10.2	94	9.5	332.6	2261	775		
800	12.6	48	5.5	321.2	1967	14.7	65	8.5	332.3	1991	10.8	98	10.0	331.7	1975	12.6	91	10.5	335.2	1995	800		
825	12.5	81	8.9	327.8	1708	14.5	96	12.1	339.0	1731	12.5	97	10.7	332.8	1717	14.1	87	10.8	334.9	1735	825		
850	14.3	79	9.6	328.8	1457	16.1	95	12.9	340.2	1477	14.1	96	11.5	333.8	1465	15.8	87	11.6	336.3	1481	850		
875	15.9	78	10.2	329.7	1210	17.6	94	13.7	341.4	1228	15.7	95	12.2	335.0	1219	17.5	86	12.5	337.8	1234	875		
900	17.1	82	11.3	331.4	970	19.1	93	14.5	342.6	986	17.5	94	13.3	337.3	978	19.0	86	13.3	339.4	991	900		
925	18.3	86	12.4	333.1	735	20.6	92	15.3	343.8	749	19.4	95	14.8	341.1	742	20.6	86	14.3	341.1	754	925		
950	19.5	90	13.5	335.0	505	22.1	90	16.1	345.2	517	21.4	96	16.4	345.2	511	22.1	85	15.2	342.8	522	950		
975	21.9	85	14.5	338.0	280	24.3	83	16.5	346.6	289	23.2	95	17.7	348.4	283	23.7	82	15.8	343.8	295	975		
1000	24.4	79	15.4	341.0	58	26.4	77	16.9	347.6	65	25.0	88	17.8	348.4	61	25.4	78	16.0	343.9	72	1000		
SFC.	25.0	78	15.6	341.8	0	27.0	75	17.0	347.8	0	25.5	86	17.8	348.3	0	25.9	76	16.1	343.9	0	SFC.		
				SURFACE PRESSURE	1006.6				SURFACE PRESSURE	1007.4				SURFACE PRESSURE	1006.9				SURFACE PRESSURE	1008.2			

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA PALMYRA ISLAND

3/10 2023 GMT					3/10 2335 GMT					3/11 325 GMT					3/11 555 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-66.2	0	0.0	462.8	19431	-66.1	0	0.0	463.0	19476	-64.5	0	0.0	466.5	19480	-67.4	0	0.0	460.1	19481	60	
70	-71.9	0	0.0	430.6	18505	-70.3	0	0.0	434.0	18553	-66.8	0	0.0	441.5	18546	-73.5	0	0.0	427.2	18559	70	
80	-76.0	0	0.0	406.0	17731	-76.2	24	.0	405.7	17775	-77.2	0	0.0	403.5	17760	-76.6	0	0.0	404.8	17787	80	
90	-78.7	0	0.0	387.2	17052	-79.5	24	.0	385.5	17098	-79.3	27	.0	385.9	17084	-82.3	0	0.0	380.1	17119	90	
100	-81.1	0	0.0	371.1	16456	-82.5	25	.0	368.4	16505	-81.4	29	.0	370.5	16490	-82.0	0	0.0	369.3	16529	100	
110	-79.5	0	0.0	364.1	15918	-80.2	25	.0	362.7	15970	-81.2	29	.0	360.8	15955	-80.4	0	0.0	362.3	15994	110	
120	-78.0	0	0.0	357.8	15422	-78.2	26	.0	357.5	15476	-79.0	28	.0	356.1	15463	-76.9	0	0.0	359.8	15498	120	
130	-74.7	0	0.0	355.6	14961	-74.8	26	.0	355.5	15015	-75.2	29	.0	354.7	15004	-73.5	0	0.0	357.8	15034	130	
140	-71.5	0	0.0	353.9	14527	-71.4	26	.0	354.1	14581	-71.7	29	.0	353.5	14571	-70.3	0	0.0	355.9	14598	140	
150	-68.5	0	0.0	352.2	14117	-68.2	25	.0	352.7	14170	-68.2	28	.0	352.6	14160	-67.4	0	0.0	354.1	14185	150	
160	-65.6	0	0.0	350.5	13727	-65.2	25	.0	351.3	13780	-65.0	28	.0	351.7	13770	-64.4	0	0.0	352.6	13793	160	
170	-62.8	0	0.0	349.2	13356	-62.3	25	.0	350.0	13408	-61.9	28	.0	350.7	13397	-61.1	0	0.0	352.0	13420	170	
180	-59.8	0	0.0	348.4	13002	-59.6	25	.0	348.8	13053	-59.0	27	.0	349.8	13041	-58.0	0	0.0	351.4	13062	180	
190	-57.1	0	0.0	347.5	12662	-56.7	25	.0	348.2	12712	-56.3	27	.0	348.8	12700	-55.1	0	0.0	350.7	12719	190	
200	-54.4	0	0.0	346.6	12335	-53.9	25	.0	347.5	12385	-53.7	27	.0	347.9	12373	-52.5	49	.1	350.0	12389	200	
225	-48.3	24	.1	344.8	11570	-47.6	25	.1	345.8	11618	-47.5	27	.1	346.0	11605	-46.7	51	.1	347.6	11618	225	
250	-42.6	22	.1	343.0	10868	-41.5	24	.1	344.8	10913	-41.6	29	.1	344.7	10900	-41.7	65	.3	345.2	10912	250	
275	-37.6	20	.1	341.3	10217	-36.2	23	.1	343.4	10259	-36.2	24	.2	343.4	10246	-36.6	41	.2	343.2	10258	275	
300	-32.9	19	.2	339.6	9611	-31.6	21	.2	341.6	9649	-31.2	19	.2	342.1	9636	-31.9	17	.1	341.0	9650	300	
325	-28.6	19	.2	338.1	9042	-27.4	20	.2	339.9	9078	-27.0	19	.2	340.5	9064	-27.5	17	.2	339.6	9079	325	
350	-24.6	18	.3	336.6	8507	-23.6	19	.3	338.2	8540	-23.1	19	.3	338.9	8525	-23.4	16	.3	338.3	8541	350	
375	-21.0	18	.3	335.2	8002	-19.8	18	.4	336.9	8032	-19.4	18	.4	337.5	8016	-19.8	16	.3	336.7	8033	375	
400	-17.8	19	.4	333.6	7522	-16.1	18	.5	336.0	7550	-16.0	18	.5	336.1	7533	-16.8	15	.4	334.7	7551	400	
425	-14.5	24	.7	332.9	7065	-12.7	20	.7	335.1	7090	-12.8	18	.6	334.8	7074	-14.0	16	.5	332.8	7093	425	
450	-11.4	28	1.0	332.5	6630	-9.6	23	.9	334.6	6651	-10.3	20	.8	333.2	6635	-11.4	17	.6	331.2	6657	450	
475	-10.1	39	1.5	330.6	6214	-8.3	31	1.3	332.5	6233	-8.5	25	1.1	331.3	6218	-8.9	17	.7	329.6	6241	475	
500	-8.0	34	1.4	328.3	5817	-6.3	35	1.6	331.1	5833	-6.7	30	1.4	329.6	5818	-6.6	22	1.0	328.8	5842	500	
525	-4.9	26	1.3	327.1	5436	-3.6	25	1.4	329.0	5450	-3.7	24	1.3	328.7	5435	-3.8	24	1.3	328.6	5459	525	
550	-1.7	23	1.4	327.0	5068	-.8	23	1.5	328.5	5080	-.7	19	1.2	327.6	5066	-.7	17	1.1	327.1	5089	550	
575	1.3	21	1.5	326.7	4712	1.2	22	1.6	327.0	4724	1.3	19	1.4	326.2	4710	1.2	15	1.1	325.2	4733	575	
600	2.4	23	1.7	324.7	4369	3.2	21	1.7	325.5	4380	3.2	18	1.5	324.9	4366	2.5	43	3.3	329.8	4390	600	
625	3.9	25	2.0	323.5	4039	5.0	20	1.7	324.0	4049	5.0	18	1.6	323.6	4034	4.4	40	3.3	328.3	4059	625	
650	5.8	25	2.3	323.0	3719	6.8	18	1.7	322.6	3728	6.6	24	2.2	323.9	3713	6.2	37	3.4	326.9	3738	650	
675	7.7	26	2.6	322.6	3409	8.0	31	3.1	324.7	3417	7.6	41	3.9	326.8	3403	8.3	58	5.9	333.4	3428	675	
700	9.5	27	2.9	322.3	3108	10.1	43	4.8	328.8	3116	7.8	72	6.9	332.1	3103	10.3	86	9.7	343.3	3125	700	
725	11.2	28	3.2	322.0	2817	12.0	54	6.6	333.1	2823	9.5	73	7.5	332.6	2812	10.9	74	8.4	337.1	2832	725	
750	11.5	45	5.1	324.7	2533	13.0	59	7.3	333.1	2538	11.1	74	8.2	333.3	2529	12.3	81	9.7	339.0	2548	750	
775	11.5	63	7.0	327.2	2259	13.9	63	8.1	333.3	2261	12.6	75	8.9	334.0	2254	12.6	96	11.4	341.0	2272	775	
800	12.0	76	8.4	328.8	1993	14.9	66	8.9	333.5	1993	13.6	85	10.5	336.4	1987	13.5	96	11.8	340.0	2004	800	
825	13.7	74	8.9	329.0	1734	15.8	70	9.6	333.7	1731	14.9	81	10.6	335.4	1726	14.6	96	12.2	339.5	1743	825	
850	15.1	78	10.0	330.9	1481	16.6	74	10.4	334.0	1477	15.9	93	12.6	339.3	1472	16.4	95	13.3	341.6	1489	850	
875	16.0	77	10.1	329.5	1235	17.6	77	11.2	334.6	1229	17.4	94	13.6	340.8	1224	18.2	94	14.3	343.8	1240	875	
900	16.6	72	9.5	326.0	994	19.2	79	12.4	337.1	986	18.8	95	14.5	342.4	982	19.9	94	15.4	346.0	997	900	
925	19.4	83	12.8	335.5	759	20.8	81	13.7	339.7	749	20.4	94	15.5	344.3	745	21.5	93	16.4	348.0	759	925	
950	21.1	79	13.2	336.2	528	22.3	83	15.0	342.4	517	22.9	88	16.4	347.1	512	22.9	91	17.0	348.7	526	950	
975	22.7	75	13.5	336.4	302	24.5	74	14.8	342.1	290	25.3	82	17.2	349.6	284	24.2	89	17.6	349.4	298	975	
1000	25.0	74	14.9	340.3	80	26.7	64	14.2	340.6	66	27.6	76	17.8	351.8	60	25.6	87	18.2	350.0	75	1000	
SFC.	26.4	76	16.5	345.8	0	27.3	61	14.0	340.0	0	28.2	74	18.0	352.3	0	26.0	86	18.4	350.2	0	SFC.	
				SURFACE PRESSURE	1009.1				SURFACE PRESSURE	1007.5				SURFACE PRESSURE	1006.7				SURFACE PRESSURE	1008.5		



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

		3/11 835 GMT					3/11 1115 GMT					3/11 1810 GMT					3/11 2355 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-62.7	0	0.0	470.6	19552	0.0	0	0.0	0.0	0	-66.4	0	0.0	462.3	19493	-63.9	18	.0	468.1	19616	60	
70	-67.0	0	0.0	441.1	18612	0.0	0	0.0	0.0	0	-66.8	0	0.0	441.5	18561	-67.7	18	.0	439.7	18681	70	
80	-75.2	0	0.0	407.7	17824	0.0	0	0.0	0.0	0	-70.7	0	0.0	416.9	17757	-75.7	18	.0	406.6	17895	80	
90	-80.3	37	.0	384.0	17150	0.0	0	0.0	0.0	0	-75.3	0	0.0	394.0	17071	-78.6	18	.0	387.4	17215	90	
100	-80.4	37	.0	372.4	16557	0.0	0	0.0	0.0	0	-80.3	0	0.0	372.7	16468	-77.4	18	.0	378.2	16613	100	
110	-78.8	37	.0	365.5	16016	0.0	0	0.0	0.0	0	-80.5	15	.0	362.1	15931	-76.5	18	.0	369.8	16066	110	
120	-77.3	37	.0	359.2	15519	0.0	0	0.0	0.0	0	-77.6	15	.0	358.6	15438	-75.3	18	.0	362.9	15563	120	
130	-74.4	37	.0	356.3	15057	0.0	0	0.0	0.0	0	-74.1	15	.0	356.9	14975	-71.1	18	.0	362.2	15094	130	
140	-71.7	36	.0	353.5	14622	0.0	0	0.0	0.0	0	-72.5	15	.0	352.1	14541	-67.8	18	.0	360.5	14652	140	
150	-68.7	36	.0	351.8	14213	0.0	0	0.0	0.0	0	-70.6	15	.0	348.5	14134	-65.5	18	.0	357.3	14235	150	
160	-65.1	36	.0	351.5	13823	0.0	0	0.0	0.0	0	-67.4	15	.0	347.6	13748	-63.4	18	.0	354.3	13840	160	
170	-61.7	36	.0	351.1	13450	0.0	0	0.0	0.0	0	-64.2	15	.0	347.0	13380	-60.9	18	.0	352.4	13466	170	
180	-58.5	36	.0	350.7	13094	0.0	0	0.0	0.0	0	-61.2	15	.0	346.2	13027	-57.8	18	.0	351.8	13108	180	
190	-55.5	36	.0	350.2	12751	0.0	0	0.0	0.0	0	-58.1	15	.0	345.8	12689	-54.8	19	.0	351.2	12765	190	
200	-52.6	36	.1	349.7	12422	0.0	0	0.0	0.0	0	-55.1	15	.0	345.5	12364	-52.0	19	.0	350.6	12434	200	
225	-46.3	37	.1	347.9	11651	0.0	0	0.0	0.0	0	-48.3	14	.0	344.7	11600	-45.5	20	.1	349.0	11660	225	
250	-41.0	41	.2	345.8	10942	0.0	0	0.0	0.0	0	-43.0	14	.0	342.4	10899	-40.1	17	.1	346.8	10949	250	
275	-36.5	61	.4	343.8	10288	0.0	0	0.0	0.0	0	-37.5	13	.1	341.2	10249	-35.6	13	.1	344.1	10293	275	
300	-31.7	37	.3	342.0	9679	0.0	0	0.0	0.0	0	-32.9	13	.1	339.5	9642	-31.7	14	.1	341.3	9682	300	
325	-27.2	14	.2	340.0	9108	0.0	0	0.0	0.0	0	-28.5	13	.1	337.9	9075	-27.3	14	.2	339.9	9111	325	
350	-23.3	14	.2	338.4	8570	0.0	0	0.0	0.0	0	-24.1	12	.2	337.1	8539	-23.0	15	.3	338.7	8573	350	
375	-19.6	14	.3	336.8	8061	0.0	0	0.0	0.0	0	-19.9	12	.3	336.3	8031	-19.1	15	.3	337.7	8063	375	
400	-16.2	14	.4	335.4	7578	-17.3	18	.4	334.2	7543	-16.9	11	.3	334.1	7549	-15.3	41	1.2	339.5	7580	400	
425	-13.3	15	.5	333.7	7120	-15.3	28	.8	332.2	7087	-13.0	11	.4	333.8	7091	-12.0	14	.5	335.6	7119	425	
450	-10.6	15	.6	332.0	6682	-12.1	22	.7	330.7	6652	-10.1	11	.4	332.2	6653	-8.8	14	.6	334.4	6679	450	
475	-8.6	22	.9	330.7	6265	-9.5	21	.8	329.1	6237	-7.7	12	.5	330.4	6234	-7.3	44	2.0	336.0	6258	475	
500	-6.5	42	2.0	331.9	5866	-7.2	33	1.5	329.5	5839	-5.5	13	.7	328.8	5834	-5.5	42	2.2	333.8	5857	500	
525	-3.3	17	1.0	328.0	5482	-4.6	33	1.7	328.8	5456	-3.2	15	.8	327.6	5449	-3.4	25	1.4	329.2	5473	525	
550	-1.5	14	.9	326.8	5112	-2.1	21	1.3	326.0	5088	-2.0	18	1.1	325.5	5081	-1.4	30	1.9	328.9	5104	550	
575	1.5	19	1.4	326.7	4755	.1	18	1.2	324.2	4734	-1.0	20	1.3	323.1	4727	.6	19	1.3	325.2	4748	575	
600	2.3	44	3.3	329.6	4412	1.8	55	4.0	331.0	4392	.1	60	3.9	328.6	4386	2.0	47	3.5	329.7	4406	600	
625	5.1	53	4.7	333.3	4081	4.3	58	4.8	332.9	4061	3.2	51	4.0	328.8	4057	4.9	48	4.1	331.4	4074	625	
650	7.9	70	7.2	340.6	3758	6.9	57	5.4	334.1	3739	6.2	43	3.9	328.7	3737	7.5	48	4.8	332.9	3752	650	
675	9.4	68	7.5	339.4	3445	8.6	64	6.6	336.0	3428	7.3	70	6.7	334.6	3427	8.4	47	4.8	330.2	3441	675	
700	10.8	66	7.7	338.2	3142	9.2	82	8.6	338.8	3126	9.1	71	7.4	335.2	3126	11.0	43	5.1	330.8	3139	700	
725	12.1	68	8.4	338.5	2849	11.1	78	8.9	338.7	2833	10.3	88	9.6	339.5	2834	13.5	40	5.4	331.2	2845	725	
750	13.5	78	10.2	342.0	2563	12.9	87	10.9	343.3	2548	11.4	87	9.8	338.3	2550	15.8	41	6.1	333.0	2558	750	
775	14.8	87	12.1	345.7	2285	13.6	96	12.2	344.6	2271	12.5	85	10.1	337.2	2275	16.9	50	7.9	336.2	2279	775	
800	16.1	93	13.5	348.0	2015	14.7	97	12.9	344.6	2002	13.6	84	10.4	336.1	2007	17.3	62	9.6	338.5	2007	800	
825	17.2	93	14.0	347.9	1751	15.9	97	13.5	344.6	1740	15.8	86	11.9	340.1	1746	16.6	75	10.9	338.3	1745	825	
850	18.3	93	14.6	347.8	1495	16.9	98	14.1	344.7	1485	17.1	88	12.8	341.2	1491	18.1	75	11.7	339.4	1489	850	
875	19.3	93	15.2	347.7	1245	18.0	98	14.7	344.8	1236	18.4	89	13.7	342.4	1242	19.6	76	12.5	340.7	1239	875	
900	20.4	93	15.7	347.7	1001	19.0	99	15.4	344.9	993	19.7	90	14.6	343.7	999	21.0	76	13.4	342.0	995	900	
925	21.4	93	16.3	347.6	763	20.1	99	16.0	345.3	756	20.9	92	15.6	345.0	761	22.5	85	16.0	348.1	757	925	
950	22.3	93	16.9	347.6	530	22.1	98	17.6	349.3	524	22.0	93	16.6	346.5	529	23.0	92	17.3	349.7	523	950	
975	24.3	88	17.5	349.3	302	24.2	94	18.6	352.2	296	23.1	95	17.6	348.0	301	25.5	78	16.6	348.5	295	975	
1000	26.3	83	18.1	350.9	79	26.3	88	19.3	354.2	73	24.2	96	18.7	349.6	79	27.8	74	17.7	351.7	70	1000	
SFC.	27.0	81	18.3	351.4	0	27.0	86	19.5	354.7	0	24.6	97	19.1	350.2	0	28.5	73	18.0	352.7	0	SFC.	
				SURFACE PRESSURE	1008.9				SURFACE PRESSURE	1008.2				SURFACE PRESSURE	1009.0				SURFACE PRESSURE	1007.9		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA PALMYRA ISLAND

3/12 312 GMT						3/12 535 GMT					3/12 1155 GMT					3/12 1810 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-67.0	0	0.0	460.9	19516	0.0	0	0.0	0.0	0	-65.0	0	0.0	465.4	19503	-61.2	0	0.0	473.9	19645	60	
70	-72.4	26	.0	429.6	18592	0.0	0	0.0	0.0	0	-70.6	0	0.0	433.4	18575	-65.7	14	.0	443.9	18699	70	
80	-76.8	26	.0	404.5	17820	-77.8	0	0.0	402.4	17797	-78.8	0	0.0	400.2	17803	-76.1	11	.0	405.9	17905	80	
90	-78.9	27	.0	386.8	17145	-79.7	28	.0	385.1	17126	-80.9	0	0.0	382.8	17136	-80.3	14	.0	384.0	17232	90	
100	-77.9	26	.0	377.3	16547	-81.2	29	.0	370.9	16532	-80.4	15	.0	372.4	16544	-79.5	16	.0	374.2	16636	100	
110	-77.1	26	.0	368.6	16001	-78.6	29	.0	365.9	15993	-79.0	15	.0	365.1	16004	-76.7	16	.0	369.4	16093	110	
120	-76.4	26	.0	360.8	15501	-76.2	30	.0	361.3	15494	-74.8	14	.0	363.7	15504	-72.9	15	.0	367.3	15587	120	
130	-73.4	26	.0	358.0	15036	-73.9	30	.0	357.1	15029	-71.0	14	.0	362.3	15035	-69.4	15	.0	365.2	15114	130	
140	-70.7	26	.0	355.4	14600	-71.9	30	.0	353.2	14595	-71.9	15	.0	353.2	14599	-68.6	15	.0	359.0	14671	140	
150	-68.1	26	.0	352.8	14188	-69.0	30	.0	351.3	14185	-69.4	14	.0	350.6	14190	-65.7	15	.0	357.0	14254	150	
160	-65.1	27	.0	351.4	13798	-66.0	30	.0	349.9	13797	-66.3	13	.0	349.4	13802	-63.2	15	.0	354.7	13858	160	
170	-62.2	28	.0	350.3	13426	-63.2	30	.0	348.5	13426	-63.4	12	.0	348.2	13432	-59.7	15	.0	354.4	13483	170	
180	-59.3	29	.0	349.3	13070	-60.3	30	.0	347.6	13073	-60.1	12	.0	347.9	13078	-56.3	14	.0	354.1	13122	180	
190	-56.4	30	.0	348.7	12729	-57.3	30	.0	347.2	12733	-57.0	11	.0	347.6	12738	-53.2	14	.0	353.8	12777	190	
200	-53.6	29	.0	348.1	12402	-54.5	30	.0	346.7	12407	-54.1	11	.0	347.2	12412	-50.6	14	.0	352.8	12444	200	
225	-46.4	23	.1	347.7	11632	-47.1	26	.1	346.6	11640	-47.3	10	.0	346.2	11644	-46.8	13	.0	347.0	11670	225	
250	-40.9	17	.1	345.6	10922	-42.2	16	.1	343.7	10935	-41.9	0	0.0	343.8	10939	-41.0	13	.1	345.3	10963	250	
275	-36.4	14	.1	342.8	10269	-36.5	13	.1	342.7	10283	-36.9	M	M	M	10286	-37.1	13	.1	341.8	10309	275	
300	-31.5	13	.1	341.5	9659	-31.4	12	.1	341.6	9673	-31.3	M	M	M	9677	-31.8	13	.1	341.1	9701	300	
325	-27.0	12	.2	340.1	9088	-27.6	12	.1	339.3	9102	-28.5	M	M	M	9106	-27.3	12	.2	339.8	9129	325	
350	-22.8	12	.2	338.8	8549	-23.3	12	.2	338.1	8564	-24.0	M	M	M	8571	-23.5	12	.2	337.8	8592	350	
375	-18.9	11	.3	337.6	8039	-19.4	11	.2	337.0	8055	-19.7	M	M	M	8063	-19.0	12	.3	337.5	8083	375	
400	-15.3	11	.3	336.4	7555	-15.7	10	.3	335.7	7572	-15.6	M	M	M	7580	-16.0	12	.3	335.5	7600	400	
425	-12.4	12	.4	334.7	7094	-12.8	14	.5	334.4	7112	-11.6	M	M	M	7119	-12.2	11	.4	334.9	7140	425	
450	-9.6	14	.6	333.2	6656	-10.1	19	.7	333.3	6674	-8.9	M	M	M	6679	-8.6	10	.5	334.2	6700	450	
475	-7.0	15	.7	331.9	6236	-7.5	23	1.0	332.5	6255	-8.5	M	M	M	6260	-7.1	11	.5	331.0	6279	475	
500	-4.8	20	1.1	331.0	5834	-5.0	27	1.4	331.9	5854	-5.2	M	M	M	5860	-5.1	19	1.0	330.5	5879	500	
525	-2.8	42	2.5	333.5	5449	-2.7	30	1.8	331.5	5469	-1.8	M	M	M	5474	-1.6	17	1.1	330.3	5493	525	
550	-2.1	63	3.8	334.0	5080	-2.7	59	3.9	336.2	5098	.7	18	1.3	329.5	5103	.6	22	1.6	330.4	5121	550	
575	-.6	73	4.7	334.3	4725	1.5	54	4.0	334.9	4741	2.9	17	1.4	328.3	4744	2.4	30	2.4	330.8	4763	575	
600	1.4	70	4.9	333.4	4383	2.4	56	4.3	332.8	4398	4.0	11	.9	324.0	4399	4.2	34	3.0	330.8	4418	600	
625	3.9	51	4.1	330.1	4053	4.9	43	3.7	330.0	4066	5.2	52	4.6	333.3	4067	6.0	35	3.3	330.2	4084	625	
650	6.2	47	4.3	330.0	3732	7.2	49	4.8	332.4	3745	7.2	39	3.9	329.7	3745	7.5	39	3.9	330.1	3762	650	
675	8.5	46	4.7	330.2	3421	9.2	55	6.0	334.7	3433	6.7	72	6.6	333.4	3435	8.3	53	5.4	332.0	3451	675	
700	10.7	44	5.1	330.4	3119	11.0	54	6.4	334.6	3130	9.6	99	10.7	345.3	3134	10.7	46	5.3	330.9	3149	700	
725	12.7	44	5.6	331.1	2826	12.5	61	7.7	337.1	2836	11.1	93	10.7	343.7	2841	12.4	40	5.0	328.7	2855	725	
750	14.2	51	6.9	333.4	2540	13.5	72	9.4	339.7	2550	13.2	84	10.8	343.3	2556	14.2	44	5.9	330.5	2570	750	
775	14.8	64	8.7	336.0	2262	14.6	73	10.0	339.5	2273	15.2	76	10.8	342.5	2278	15.9	47	6.8	332.0	2292	775	
800	15.8	67	9.4	336.1	1993	15.7	83	11.7	342.6	2003	16.7	85	12.8	346.9	2008	17.1	59	9.1	336.8	2022	800	
825	16.8	72	10.5	337.6	1730	16.7	92	13.5	345.8	1740	17.1	95	14.2	348.1	1744	17.7	51	7.9	331.1	1758	825	
850	17.9	81	12.3	340.8	1475	17.8	99	15.1	348.5	1484	17.8	96	14.7	347.3	1488	18.3	64	10.1	335.1	1502	850	
875	18.9	89	14.1	344.2	1225	18.7	95	14.9	346.2	1234	19.2	92	14.9	346.7	1238	18.9	77	12.2	339.0	1253	875	
900	20.4	79	13.3	341.1	982	18.9	91	13.9	340.7	992	20.4	90	15.3	346.6	994	20.5	80	13.6	341.8	1010	900	
925	21.8	73	13.1	339.3	744	20.1	97	15.7	344.3	755	21.2	98	17.0	349.3	756	22.0	82	14.9	344.7	771	925	
950	22.9	78	14.5	342.1	511	23.0	98	18.5	353.1	522	23.2	94	18.0	351.9	523	23.6	84	16.3	347.8	538	950	
975	24.8	75	15.3	343.8	283	25.1	91	19.1	354.8	294	25.1	91	19.0	354.5	294	25.3	82	17.4	350.1	309	975	
1000	26.9	69	15.5	344.6	59	27.3	84	19.5	356.0	69	26.9	88	20.0	357.0	70	27.5	71	16.7	348.7	85	1000	
SFC.	27.5	67	15.6	344.8	0	27.9	82	19.6	356.3	0	27.5	87	20.4	357.8	0	28.4	67	16.4	347.9	0	SFC.	
				SURFACE PRESSURE	1006.7				SURFACE PRESSURE	1007.8				SURFACE PRESSURE	1007.9				SURFACE PRESSURE	1009.6		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

3/12 2351 GMT						3/13 555 GMT						3/16 255 GMT						3/16 535 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-64.1	0	0.0	467.4	19547	-63.5	0	0.0	468.8	19516	-66.5	0	0.0	462.1	19536	-68.2	0	0.0	458.3	19534	60		
70	-71.7	0	0.0	431.0	18621	-74.8	21	.0	424.4	18595	-68.6	0	0.0	437.7	18613	-67.9	16	.0	439.2	18610	70		
80	-77.9	17	.0	402.2	17839	-76.7	22	.0	404.6	17817	-72.5	11	.0	413.2	17812	-69.2	17	.0	420.0	17809	80		
90	-79.7	17	.0	385.1	17170	-80.2	23	.0	384.2	17151	-81.3	11	.0	382.0	17142	-80.6	17	.0	383.4	17119	90		
100	-80.5	17	.0	372.2	16575	-80.7	24	.0	371.8	16554	-81.1	11	.0	371.0	16550	-82.3	18	.0	368.7	16528	100		
110	-78.4	17	.0	366.2	16035	-78.6	24	.0	365.7	16014	-78.8	11	.0	365.4	16011	-79.3	18	.0	364.5	15991	110		
120	-74.0	17	.0	365.2	15533	-76.7	24	.0	360.2	15516	-76.5	11	.0	360.7	15513	-76.5	17	.0	360.6	15493	120		
130	-70.0	17	.0	364.2	15061	-73.9	24	.0	357.2	15053	-74.3	11	.0	356.4	15049	-74.0	17	.0	357.0	15029	130		
140	-69.8	17	.0	356.8	14620	-70.8	23	.0	355.1	14617	-70.7	11	.0	355.2	14614	-71.6	17	.0	353.6	14594	140		
150	-66.9	17	.0	354.9	14207	-67.9	23	.0	353.2	14205	-67.4	10	.0	353.9	14202	-68.4	17	.0	352.3	14184	150		
160	-63.9	17	.0	353.4	13814	-65.0	23	.0	351.6	13815	-64.4	10	.0	352.7	13810	-65.1	16	.0	351.4	13794	160		
170	-61.2	17	.0	351.9	13440	-61.9	22	.0	350.8	13442	-61.4	10	.0	351.6	13437	-62.1	16	.0	350.4	13422	170		
180	-58.4	17	.0	350.7	13083	-58.9	22	.0	349.9	13086	-58.5	10	.0	350.6	13080	-59.2	16	.0	349.5	13066	180		
190	-55.8	16	.0	349.6	12741	-56.1	22	.0	349.1	12745	-55.7	10	.0	349.7	12738	-56.4	16	.0	348.6	12726	190		
200	-53.4	16	.0	348.4	12413	-53.5	21	.0	348.3	12417	-53.1	10	.0	348.8	12409	-53.8	15	.0	347.6	12398	200		
225	-47.3	16	.0	346.2	11644	-47.2	21	.0	346.4	11648	-47.1	10	.0	346.5	11639	-47.6	15	.0	345.7	11631	225		
250	-41.7	16	.1	344.4	10939	-41.4	20	.1	344.8	10942	-41.4	10	.0	344.7	10933	-41.7	14	.1	344.3	10926	250		
275	-35.7	15	.1	344.0	10285	-36.2	19	.1	343.3	10288	-35.9	10	.1	343.4	10279	-36.4	13	.1	342.9	10272	275		
300	-31.7	15	.1	341.3	9673	-31.5	19	.2	341.7	9678	-31.7	10	.1	341.1	9669	-32.4	14	.1	340.2	9663	300		
325	-27.4	15	.2	339.7	9102	-27.1	18	.2	340.3	9107	-27.9	10	.1	338.8	9099	-28.8	14	.2	337.6	9096	325		
350	-23.1	15	.3	338.7	8564	-23.1	18	.3	338.8	8568	-23.3	10	.2	338.1	8561	-24.0	12	.2	337.1	8560	350		
375	-19.2	15	.3	337.5	8055	-19.6	18	.4	337.2	8060	-19.2	10	.2	337.1	8052	-20.7	18	.4	335.6	8053	375		
400	-15.7	15	.4	336.2	7572	-16.2	18	.5	335.8	7577	-15.7	10	.3	335.7	7569	-16.3	30	.8	336.8	7571	400		
425	-12.1	15	.5	335.4	7111	-12.6	17	.6	335.0	7117	-12.4	10	.3	334.4	7109	-12.6	22	.8	335.6	7112	425		
450	-8.8	15	.7	334.7	6671	-9.2	17	.7	334.3	6678	-9.4	15	.6	333.7	6669	-9.9	18	.7	333.5	6673	450		
475	-6.8	16	.8	332.4	6251	-6.0	16	.8	333.6	6258	-7.4	13	.6	331.0	6250	-7.6	14	.7	331.0	6254	475		
500	-4.7	20	1.1	331.3	5849	-5.4	42	2.1	333.7	5856	-5.5	11	.5	328.4	5849	-5.5	23	1.2	330.6	5853	500		
525	-2.6	25	1.5	330.7	5463	-3.1	36	2.1	331.8	5471	-3.2	10	.6	326.8	5465	-3.3	22	1.2	328.9	5469	525		
550	-.5	30	2.0	330.3	5093	-.9	27	1.8	329.1	5101	-.7	10	.7	325.7	5095	-1.2	23	1.5	327.9	5100	550		
575	1.3	35	2.6	330.1	4736	.6	52	3.6	332.5	4746	.9	18	1.3	325.5	4740	.8	33	2.3	328.7	4744	575		
600	2.5	40	3.2	325.1	4393	3.2	44	3.5	331.4	4402	4.0	26	2.2	328.3	4396	2.5	47	3.6	330.8	4401	600		
625	4.6	45	4.0	323.0	4062	4.6	42	3.5	329.3	4070	4.8	42	3.7	329.9	4063	4.0	53	4.4	331.0	4070	625		
650	6.7	48	4.5	326.9	3742	7.0	41	4.0	329.8	3749	6.7	29	2.7	325.5	3743	5.9	41	3.7	327.4	3749	650		
675	9.0	50	5.0	324.8	3431	9.4	40	4.4	330.3	3437	8.5	16	1.6	320.7	3432	7.6	37	3.6	325.7	3439	675		
700	11.1	52	5.5	323.3	3128	11.2	44	5.2	331.4	3134	10.2	23	2.6	322.3	3131	9.2	49	5.1	328.7	3139	700		
725	13.0	27	3.5	325.2	2835	12.6	50	6.4	333.1	2840	11.9	30	3.6	324.2	2838	10.8	50	5.6	328.8	2847	725		
750	14.9	33	4.6	327.4	2549	13.9	57	7.6	335.0	2555	13.5	37	4.8	326.3	2553	12.4	50	6.0	328.7	2563	750		
775	16.3	37	5.5	328.4	2271	15.2	63	8.8	337.0	2277	14.6	53	7.1	331.1	2276	14.0	50	6.5	328.7	2287	775		
800	17.5	40	6.3	329.1	2000	16.4	57	8.3	333.8	2007	16.1	21	3.0	318.1	2007	15.5	50	6.9	328.7	2018	800		
825	18.7	43	7.1	329.9	1737	16.7	76	11.1	339.1	1744	17.3	35	5.2	323.0	1745	16.7	57	8.3	331.2	1756	825		
850	17.5	65	9.7	333.0	1480	17.7	85	12.9	342.4	1489	18.5	49	7.8	328.9	1490	17.7	71	10.7	336.1	1501	850		
875	17.8	74	10.9	333.8	1232	19.0	89	14.3	344.8	1239	19.6	64	10.5	335.1	1241	18.6	85	13.2	341.2	1252	875		
900	19.4	73	11.6	334.9	990	20.2	93	15.7	347.4	996	21.2	67	11.9	338.1	997	19.8	92	15.1	345.0	1009	900		
925	20.9	73	12.3	336.1	753	21.5	97	17.1	350.0	757	22.8	69	13.2	340.9	758	21.3	93	16.2	347.3	771	925		
950	22.7	71	13.1	337.9	521	23.4	92	17.8	351.7	524	24.3	72	14.6	344.0	524	23.0	92	17.3	349.5	538	950		
975	25.0	69	14.3	341.3	293	25.2	88	18.5	353.2	295	26.3	70	15.6	346.8	295	25.2	84	17.8	351.1	310	975		
1000	27.3	67	15.4	344.8	69	27.0	83	19.1	354.5	71	28.6	67	16.7	349.9	70	27.4	78	18.1	352.3	85	1000		
SFC.	28.0	66	15.8	345.9	0	27.6	82	19.3	354.9	0	28.9	70	17.7	352.3	0	28.2	75	18.2	352.6	0	SFC.		
				SURFACE PRESSURE	1007.8				SURFACE PRESSURE	1008.0				SURFACE PRESSURE	1007.9				SURFACE PRESSURE	1009.6			

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA PALMYRA ISLAND

3/16 1130 GMT						3/16 1445 GMT						3/17 9 0 GMT						3/17 1213 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-68.7	0	0.0	457.2	19504	-68.2	0	0.0	458.3	19498	-65.8	0	0.0	463.6	19507	-66.0	0	0.0	463.2	19504	60		
70	-69.9	0	0.0	434.8	18585	-69.8	0	0.0	435.1	18576	-70.0	0	0.0	434.7	18573	-65.9	0	0.0	443.5	18561	70		
80	-70.2	17	.0	418.1	17787	-70.5	16	.0	417.3	17781	-72.3	0	0.0	413.6	17788	-72.2	0	0.0	413.8	17768	80		
90	-82.8	18	.0	379.0	17106	-81.5	17	.0	381.6	17106	-79.7	0	0.0	385.2	17108	-82.9	23	.0	378.9	17091	90		
100	-82.8	19	.0	367.8	16519	-81.5	17	.0	370.3	16515	-79.4	19	.0	374.3	16512	-83.6	24	.0	366.2	16505	100		
110	-79.6	19	.0	364.0	15983	-78.7	17	.0	365.7	15976	-78.7	19	.0	365.6	15970	-81.4	24	.0	360.5	15972	110		
120	-76.6	19	.0	360.4	15486	-76.1	17	.0	361.5	15477	-77.2	19	.0	359.3	15473	-78.8	24	.0	356.4	15481	120		
130	-73.9	18	.0	357.1	15022	-73.7	16	.0	357.6	15012	-74.1	19	.0	356.8	15010	-75.1	23	.0	355.0	15021	130		
140	-71.4	18	.0	354.1	14587	-71.5	16	.0	353.9	14577	-71.2	19	.0	354.4	14575	-71.6	22	.0	353.7	14588	140		
150	-68.5	18	.0	352.1	14177	-69.0	16	.0	351.2	14157	-68.4	19	.0	352.4	14164	-68.4	21	.0	352.3	14177	150		
160	-65.4	18	.0	351.0	13787	-65.3	16	.0	351.0	13778	-65.3	18	.0	351.1	13774	-65.4	20	.0	350.9	13787	160		
170	-62.4	17	.0	349.9	13415	-61.9	16	.0	350.7	13406	-62.4	18	.0	349.9	13403	-62.2	19	.0	350.3	13416	170		
180	-59.6	17	.0	348.8	13060	-58.6	16	.0	350.4	13049	-59.6	17	.0	348.7	13048	-59.1	19	.0	349.6	13060	180		
190	-56.9	17	.0	347.8	12720	-55.5	15	.0	350.0	12707	-57.1	17	.0	347.5	12708	-56.3	18	.0	348.8	12719	190		
200	-54.2	17	.0	347.0	12393	-52.6	15	.0	349.6	12378	-54.6	16	.0	346.4	12381	-53.5	18	.0	348.1	12391	200		
225	-48.0	17	.0	345.2	11627	-46.1	15	.0	348.0	11606	-48.9	15	.0	343.7	11618	-48.7	19	.0	344.0	11624	225		
250	-42.4	16	.1	343.4	10924	-41.6	14	.1	344.5	10898	-42.4	14	.1	343.3	10916	-42.8	20	.1	342.7	10923	250		
275	-37.3	16	.1	341.6	10273	-37.2	14	.1	341.7	10246	-37.1	15	.1	341.9	10264	-37.2	21	.1	341.9	10272	275		
300	-32.0	15	.1	340.8	9665	-32.6	14	.1	339.9	9639	-33.2	25	.2	339.4	9657	-32.8	28	.2	340.1	9664	300		
325	-27.8	15	.2	339.1	9094	-28.4	14	.2	338.2	9070	-29.1	23	.2	337.5	9090	-29.5	37	.4	337.5	9098	325		
350	-24.2	16	.2	337.2	8558	-24.6	15	.2	336.5	8535	-25.0	18	.3	336.1	8556	-24.8	21	.3	336.6	8564	350		
375	-20.6	16	.3	335.6	8051	-21.0	15	.3	335.0	8029	-21.2	18	.3	334.8	8051	-21.1	20	.4	335.2	8058	375		
400	-17.2	16	.4	334.2	7571	-17.6	15	.4	333.5	7549	-17.7	17	.4	333.5	7571	-17.6	20	.5	334.0	7578	400		
425	-13.6	16	.5	333.4	7113	-14.9	24	.7	332.4	7093	-14.2	14	.4	332.3	7114	-13.9	19	.6	333.4	7121	425		
450	-10.9	14	.5	331.6	6676	-11.9	18	.6	330.5	6658	-11.1	12	.4	331.0	6678	-10.6	18	.7	332.5	6684	450		
475	-8.3	13	.5	329.7	6258	-9.2	12	.5	328.5	6242	-9.2	12	.5	328.4	6261	-8.5	17	.7	330.0	6266	475		
500	-6.0	13	.6	328.0	5858	-6.6	11	.5	326.8	5843	-6.8	12	.6	326.8	5863	-6.6	15	.7	327.7	5867	500		
525	-3.9	13	.7	326.4	5475	-4.3	12	.6	325.6	5461	-4.5	14	.7	325.7	5481	-4.1	16	.9	326.6	5485	525		
550	-2.0	20	1.2	325.9	5107	-2.0	13	.8	324.5	5093	-2.3	15	.9	324.5	5113	-1.4	17	1.1	326.3	5116	550		
575	.4	25	1.7	326.4	4752	.0	34	2.3	327.7	4738	-.3	17	1.1	323.4	4759	.5	29	2.0	327.3	4760	575		
600	2.6	31	2.4	327.1	4409	2.0	21	1.5	323.6	4396	1.5	26	1.9	324.1	4417	1.7	48	3.5	329.5	4418	600		
625	3.4	68	5.3	333.0	4078	3.2	67	5.2	332.4	4066	3.0	54	4.1	329.1	4088	3.3	60	4.7	331.1	4088	625		
650	5.9	45	4.1	328.7	3758	5.1	57	4.8	329.9	3746	5.6	23	2.0	322.1	3768	5.6	32	2.8	324.6	3768	650		
675	8.4	27	2.7	324.0	3448	7.4	35	3.4	324.8	3437	7.3	35	3.3	324.6	3459	7.4	34	3.2	324.4	3458	675		
700	10.0	31	3.4	324.6	3146	9.3	34	3.5	324.1	3136	8.7	60	6.1	330.9	3159	8.6	54	5.5	329.0	3158	700		
725	10.9	50	5.7	329.1	2854	8.5	77	7.5	331.4	2845	10.2	65	7.0	332.1	2867	10.2	65	7.1	332.3	2867	725		
750	12.2	57	6.8	330.6	2570	10.3	98	10.4	338.5	2563	11.7	70	8.0	333.5	2584	12.1	68	8.1	334.2	2583	750		
775	13.8	54	6.9	329.6	2294	12.2	87	10.1	336.9	2288	13.4	71	8.9	334.8	2308	13.9	71	9.2	336.3	2307	775		
800	14.9	84	11.2	340.0	2026	14.2	81	10.4	336.9	2020	14.6	83	10.9	339.0	2039	15.0	79	10.6	338.5	2038	800		
825	16.2	86	12.2	341.6	1764	15.7	87	11.9	339.8	1759	15.9	92	12.8	342.6	1778	16.1	86	12.0	340.8	1776	825		
850	17.6	89	13.3	343.3	1508	17.4	86	12.8	341.5	1504	17.2	93	13.6	343.5	1522	17.6	88	13.3	343.2	1521	850		
875	19.0	90	14.4	345.2	1259	19.1	85	13.7	343.3	1255	18.4	94	14.5	344.5	1273	19.4	88	14.4	345.7	1271	875		
900	20.4	91	15.5	347.2	1015	20.8	84	14.6	345.1	1011	19.6	95	15.3	345.5	1030	21.1	88	15.6	348.3	1027	900		
925	21.8	92	16.7	349.3	776	22.4	83	15.6	346.9	772	20.8	96	16.2	346.6	792	22.8	88	16.8	351.0	787	925		
950	23.1	94	17.9	351.5	543	23.9	83	16.5	348.8	538	22.4	94	17.2	348.7	560	24.4	88	18.1	353.9	553	950		
975	24.4	95	19.1	353.8	315	25.5	82	17.5	350.8	309	24.6	90	18.3	351.8	332	26.0	88	19.4	356.8	324	975		
1000	26.0	87	18.7	351.9	91	26.9	81	18.5	352.8	85	26.6	87	19.4	354.8	108	27.5	88	20.8	359.9	99	1000		
SFC.	26.6	83	18.3	350.7	0	27.5	81	18.9	353.5	0	27.6	85	19.9	356.2	0	28.2	88	21.4	361.3	0	SFC.		
				SURFACE PRESSURE	1010.3				SURFACE PRESSURE	1009.6				SURFACE PRESSURE	1012.2				SURFACE PRESSURE	1011.1			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

3/17 18 7 GMT						3/17 2317 GMT					3/18 553 GMT					3/18 1229 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-66.9	0	0.0	461.2	19464	-66.3	0	0.0	462.5	19630	-66.4	0	0.0	462.3	19598	-64.8	0	0.0	465.8	19503	60	
70	-68.4	15	.0	438.1	18535	-67.1	0	0.0	440.9	18701	-71.0	13	.0	432.5	18675	-69.8	0	0.0	435.1	18576	70	
80	-73.0	15	.0	412.2	17743	-67.1	15	.0	424.4	17894	-72.5	14	.0	413.2	17888	-72.5	17	.0	413.3	17785	80	
90	-76.9	16	.0	390.9	17053	-74.1	16	.0	396.4	17189	-74.9	15	.0	394.9	17198	-74.9	17	.0	394.7	17098	90	
100	-81.5	16	.0	370.3	16459	-79.5	17	.0	374.2	16589	-79.2	15	.0	374.7	16593	-79.5	17	.0	374.2	16491	100	
110	-80.8	16	.0	361.7	15924	-78.3	16	.0	366.4	16047	-78.5	15	.0	366.0	16051	-81.6	16	.0	360.1	15953	110	
120	-78.5	17	.0	356.9	15431	-76.6	16	.0	360.4	15549	-76.0	14	.0	361.6	15552	-78.1	16	.0	357.7	15461	120	
130	-75.3	17	.0	354.5	14971	-73.0	16	.0	358.8	15084	-72.9	14	.0	359.0	15086	-74.9	15	.0	355.3	15000	130	
140	-72.1	16	.0	352.7	14538	-69.6	15	.0	357.3	14645	-70.0	13	.0	356.5	14648	-72.0	15	.0	353.1	14566	140	
150	-69.2	15	.0	351.0	14129	-66.5	15	.0	355.6	14231	-67.3	12	.0	354.2	14235	-69.2	15	.0	350.9	14157	150	
160	-66.2	15	.0	349.5	13741	-64.5	16	.0	352.5	13838	-64.5	12	.0	352.5	13844	-65.8	15	.0	350.2	13768	160	
170	-63.0	15	.0	348.9	13370	-61.3	16	.0	351.7	13465	-61.3	12	.0	351.7	13470	-62.7	15	.0	349.4	13398	170	
180	-60.0	15	.0	348.2	13016	-58.0	15	.0	351.3	13108	-58.3	12	.0	350.9	13113	-59.7	15	.0	348.6	13043	180	
190	-57.1	15	.0	347.5	12676	-54.9	15	.0	351.0	12765	-55.5	11	.0	350.1	12771	-56.9	15	.0	347.8	12703	190	
200	-54.3	14	.0	346.8	12350	-52.0	15	.0	350.5	12435	-52.8	11	.0	349.3	12442	-54.3	15	.0	347.0	12376	200	
225	-48.1	14	.0	345.0	11584	-45.7	15	.0	348.6	11661	-46.5	11	.0	347.3	11671	-48.0	15	.0	345.1	11610	225	
250	-42.4	14	.1	343.3	10881	-40.1	14	.1	346.7	10951	-40.9	10	.0	345.5	10963	-41.9	14	.1	344.0	10906	250	
275	-37.1	13	.1	341.9	10229	-35.0	14	.1	344.9	10293	-35.7	10	.1	343.8	10308	-36.5	14	.1	342.8	10253	275	
300	-32.2	13	.1	340.5	9621	-30.4	14	.1	343.1	9681	-31.8	16	.1	341.1	9697	-33.3	24	.2	339.2	9645	300	
325	-30.1	17	.2	335.9	9055	-27.1	15	.2	340.1	9109	-27.9	35	.4	339.9	9127	-30.2	41	.4	336.6	9080	325	
350	-25.7	18	.2	335.1	8522	-23.5	16	.3	338.1	8572	-24.5	37	.6	337.9	8592	-26.9	60	.7	335.2	8550	350	
375	-21.8	18	.3	334.0	8018	-19.7	17	.4	337.0	8063	-20.3	23	.5	336.5	8085	-22.1	40	.7	334.9	8047	375	
400	-19.2	19	.4	331.6	7541	-16.5	19	.5	335.5	7581	-16.7	18	.5	335.1	7604	-18.7	24	.5	332.7	7569	400	
425	-15.5	17	.4	330.7	7086	-13.1	18	.6	334.3	7123	-13.0	15	.5	334.1	7145	-14.8	17	.5	331.8	7114	425	
450	-12.1	15	.5	329.9	6652	-10.0	16	.6	333.1	6684	-9.8	12	.5	332.8	6707	-11.2	11	.4	330.6	6678	450	
475	-10.4	16	.6	327.2	6237	-8.1	18	.8	330.9	6266	-7.2	11	.5	331.1	6287	-8.7	23	1.0	330.8	6261	475	
500	-8.3	22	.9	326.1	5840	-5.5	18	.9	329.6	5866	-4.7	15	.8	330.2	5886	-6.3	37	1.8	331.4	5862	500	
525	-5.2	20	1.0	325.6	5459	-3.1	18	1.0	328.4	5481	-1.8	13	.8	329.3	5500	-2.9	16	.9	328.3	5478	525	
550	-2.4	18	1.1	325.1	5092	-.8	18	1.2	327.3	5112	.3	13	.9	327.7	5129	-.4	25	1.7	329.5	5108	550	
575	-1.1	42	2.6	327.2	4738	.8	35	2.4	329.1	4756	1.8	26	2.0	328.8	4772	1.6	30	2.2	329.4	4751	575	
600	-.2	56	3.5	327.2	4398	2.2	52	3.9	331.3	4413	3.9	10	.8	323.7	4428	2.4	47	3.6	330.6	4407	600	
625	2.3	26	1.9	321.4	4070	4.7	40	3.4	328.9	4081	6.2	10	1.0	322.9	4095	4.2	71	5.9	335.8	4076	625	
650	4.5	22	1.8	320.0	3752	4.3	31	2.5	321.9	3761	7.4	11	1.1	321.2	3773	6.3	52	4.8	331.3	3755	650	
675	6.5	28	2.5	321.0	3443	6.0	63	5.5	329.4	3453	9.0	12	1.3	320.2	3462	8.1	42	4.2	328.1	3444	675	
700	8.5	33	3.2	322.3	3144	8.6	78	7.8	335.9	3153	11.1	13	1.5	320.0	3160	10.2	36	4.0	326.6	3143	700	
725	10.3	38	4.1	323.8	2853	11.3	73	8.5	337.7	2860	12.8	28	3.5	324.9	2867	11.8	43	5.1	328.3	2850	725	
750	12.2	43	5.1	325.5	2569	13.7	56	7.4	334.1	2575	14.2	48	6.5	332.1	2581	13.3	49	6.2	330.3	2566	750	
775	13.8	48	6.2	327.5	2294	14.2	69	9.1	336.5	2298	13.7	89	11.4	342.4	2304	14.4	62	8.3	334.4	2289	775	
800	14.6	58	7.6	329.5	2025	15.1	73	9.9	336.8	2029	15.5	97	13.6	347.7	2035	14.9	80	10.7	338.7	2020	800	
825	15.4	67	9.0	331.4	1764	16.6	58	8.3	331.1	1767	17.2	99	15.0	350.5	1771	16.3	79	11.2	338.8	1758	825	
850	16.3	75	10.3	333.2	1510	17.9	59	8.9	331.4	1512	18.7	98	15.9	351.9	1515	17.5	93	13.9	344.8	1502	850	
875	17.9	73	10.7	333.6	1262	19.3	59	9.5	331.9	1263	19.6	98	16.4	351.5	1264	18.9	90	14.4	344.9	1253	875	
900	19.4	70	11.2	334.0	1020	20.5	60	10.1	332.3	1020	20.5	99	16.9	351.0	1020	20.3	88	14.8	344.9	1009	900	
925	20.8	73	12.3	335.9	783	21.8	63	11.3	334.2	782	22.1	99	18.2	353.9	781	21.6	85	15.2	344.8	771	925	
950	22.0	77	13.6	338.4	551	22.9	75	14.0	340.5	550	23.7	99	19.6	356.9	547	23.4	84	16.2	347.3	538	950	
975	24.2	75	14.7	341.6	324	25.2	74	15.5	344.8	322	25.8	93	20.4	359.3	318	25.3	83	17.5	350.4	309	975	
1000	26.4	72	15.8	344.8	101	27.4	74	17.2	349.8	97	28.1	86	21.0	361.2	93	27.1	81	18.7	353.6	85	1000	
SFC.	27.4	71	16.4	346.3	0	28.0	85	20.4	358.3	0	29.0	83	21.2	361.8	0	27.8	81	19.2	354.9	0	SFC.	
				SURFACE PRESSURE	1011.4				SURFACE PRESSURE	1011.0				SURFACE PRESSURE	1010.4				SURFACE PRESSURE	1009.6		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

3/18 1450 GMT						3/18 1820 GMT						3/18 2023 GMT						3/18 2315 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	0.0	0	0.0	0.0	0	-64.4	0	0.0	466.8	19569	0.0	0	0.0	0.0	0	-66.4	0	0.0	462.2	19496	60		
70	0.0	0	0.0	0.0	0	-66.7	0	0.0	441.7	18634	0.0	0	0.0	0.0	0	-70.7	0	0.0	433.1	18572	70		
80	0.0	0	0.0	0.0	0	-73.6	0	0.0	411.0	17834	0.0	0	0.0	0.0	0	-73.3	0	0.0	411.5	17787	80		
90	0.0	0	0.0	0.0	0	-76.8	19	.0	391.0	17157	0.0	0	0.0	0.0	0	-77.6	18	.0	389.4	17101	90		
100	0.0	0	0.0	0.0	0	-76.6	19	.0	379.8	16551	0.0	0	0.0	0.0	0	-78.8	18	.0	375.5	16499	100		
110	0.0	0	0.0	0.0	0	-78.4	19	.0	366.1	16004	0.0	0	0.0	0.0	0	-76.0	18	.0	370.7	15953	110		
120	0.0	0	0.0	0.0	0	-77.1	20	.0	359.6	15508	0.0	0	0.0	0.0	0	-76.2	18	.0	361.2	15451	120		
130	0.0	0	0.0	0.0	0	-74.4	20	.0	356.3	15045	0.0	0	0.0	0.0	0	-73.7	18	.0	357.5	14987	130		
140	0.0	0	0.0	0.0	0	-71.8	19	.0	353.3	14611	0.0	0	0.0	0.0	0	-71.4	18	.0	354.1	14551	140		
150	0.0	0	0.0	0.0	0	-68.7	19	.0	351.8	14201	0.0	0	0.0	0.0	0	-69.2	18	.0	350.9	14141	150		
160	0.0	0	0.0	0.0	0	-65.0	19	.0	351.6	13811	0.0	0	0.0	0.0	0	-66.2	18	.0	349.5	13753	160		
170	0.0	0	0.0	0.0	0	-61.5	19	.0	351.3	13439	0.0	0	0.0	0.0	0	-63.2	18	.0	348.6	13383	170		
180	0.0	0	0.0	0.0	0	-58.3	18	.0	351.0	13082	0.0	0	0.0	0.0	0	-60.3	18	.0	347.6	13029	180		
190	0.0	0	0.0	0.0	0	-55.2	18	.0	350.6	12739	0.0	0	0.0	0.0	0	-57.6	17	.0	346.7	12690	190		
200	0.0	0	0.0	0.0	0	-52.3	18	.0	350.1	12409	0.0	0	0.0	0.0	0	-55.0	17	.0	345.7	12364	200		
225	0.0	0	0.0	0.0	0	-47.3	17	.0	346.3	11640	0.0	0	0.0	0.0	0	-48.9	17	.0	343.7	11602	225		
250	0.0	0	0.0	0.0	0	-41.6	16	.1	344.5	10934	0.0	0	0.0	0.0	0	-42.9	17	.1	342.6	10901	250		
275	0.0	0	0.0	0.0	0	-36.8	16	.1	342.3	10281	0.0	0	0.0	0.0	0	-38.1	16	.1	340.4	10251	275		
300	0.0	0	0.0	0.0	0	-32.4	15	.1	340.3	9673	0.0	0	0.0	0.0	0	-33.4	16	.1	338.8	9646	300		
325	0.0	0	0.0	0.0	0	-28.4	15	.2	338.3	9104	-28.4	14	.2	338.2	9095	-28.8	17	.2	337.8	9079	325		
350	-27.3	66	.8	334.8	8529	-26.2	31	.4	334.9	8571	-24.0	14	.2	337.3	8559	-24.5	18	.3	336.8	8544	350		
375	-23.2	49	.8	333.8	8029	-21.8	27	.5	334.6	8067	-21.8	18	.3	334.0	8054	-20.8	18	.3	335.4	8038	375		
400	-19.0	40	.9	333.4	7552	-17.6	24	.6	334.3	7588	-18.1	19	.4	333.1	7575	-18.3	20	.5	332.9	7558	400		
425	-15.3	43	1.2	333.6	7097	-13.9	22	.7	333.7	7131	-14.6	19	.6	332.4	7119	-14.9	19	.5	331.9	7102	425		
450	-11.7	24	.8	331.7	6662	-10.4	20	.8	333.1	6694	-11.3	20	.7	331.7	6683	-11.7	18	.6	330.9	6667	450		
475	-8.4	21	.9	330.8	6246	-7.6	22	1.0	332.2	6275	-8.4	20	.9	330.7	6266	-8.6	17	.7	330.0	6250	475		
500	-6.5	39	1.8	331.5	5846	-5.9	29	1.4	330.8	5874	-5.9	21	1.0	329.7	5866	-5.9	18	.9	329.1	5851	500		
525	-3.9	33	1.8	330.0	5463	-3.7	30	1.7	329.7	5491	-3.4	22	1.2	328.7	5482	-3.3	20	1.1	328.5	5467	525		
550	-1.4	38	2.4	330.4	5094	-.7	31	2.1	330.3	5121	-1.1	23	1.5	327.8	5113	-.9	22	1.4	328.0	5097	550		
575	.7	45	3.2	331.3	4738	1.6	25	1.8	328.2	4764	1.0	24	1.7	326.9	4757	1.4	24	1.8	327.7	4741	575		
600	2.5	27	2.1	326.0	4395	3.0	19	1.5	324.6	4421	2.9	24	1.9	326.0	4414	2.4	34	2.5	327.3	4397	600		
625	4.5	33	2.8	326.7	4064	5.5	21	1.9	325.2	4089	4.7	27	2.3	325.5	4082	4.2	32	2.6	325.9	4067	625		
650	6.3	35	3.2	326.5	3743	7.4	36	3.5	328.8	3767	6.2	35	3.2	326.5	3762	6.7	22	2.1	323.5	3746	650		
675	8.3	30	3.1	324.9	3432	9.2	31	3.4	327.0	3456	8.9	26	2.7	324.6	3451	8.8	24	2.5	323.7	3435	675		
700	10.1	32	3.5	324.9	3131	11.0	26	3.0	324.5	3153	10.5	28	3.1	324.2	3149	10.5	34	3.8	326.3	3134	700		
725	11.8	34	4.0	325.1	2838	12.4	27	3.3	323.8	2860	12.0	30	3.6	324.0	2856	12.1	43	5.3	329.2	2840	725		
750	13.1	47	6.0	329.3	2554	13.4	39	5.0	326.9	2575	13.4	32	4.0	323.9	2572	13.5	49	6.3	330.8	2556	750		
775	14.3	61	8.1	333.8	2277	14.8	44	6.1	328.4	2299	14.7	35	4.7	324.3	2295	14.5	54	7.3	331.7	2279	775		
800	14.8	78	10.4	337.6	2008	16.5	38	5.6	326.0	2029	15.6	44	6.1	326.3	2026	14.7	54	7.2	328.5	2010	800		
825	15.3	93	12.4	340.9	1747	17.2	40	6.0	325.2	1767	16.4	52	7.5	328.4	1765	16.1	35	4.8	320.4	1749	825		
850	16.9	92	13.2	342.1	1492	17.9	60	9.2	332.1	1511	18.5	41	6.4	324.9	1510	16.4	58	8.0	326.9	1495	850		
875	18.4	91	14.0	343.3	1243	19.3	62	10.0	333.5	1262	19.0	48	7.5	326.1	1261	18.2	54	8.1	326.6	1247	875		
900	19.9	90	14.8	344.6	1000	21.1	55	9.6	331.6	1019	20.5	51	8.7	328.4	1018	19.8	53	8.6	327.2	1005	900		
925	21.3	89	15.6	345.8	762	22.4	64	11.9	336.9	781	22.0	55	9.9	330.9	780	21.0	67	11.4	333.7	768	925		
950	22.8	89	16.5	347.1	529	23.6	74	14.4	342.5	548	22.8	66	12.3	335.7	548	22.7	71	13.1	337.7	536	950		
975	24.3	86	17.2	348.3	301	24.9	75	15.4	344.4	319	24.4	67	13.3	338.0	320	24.9	67	13.7	339.5	308	975		
1000	26.2	80	17.5	349.0	78	26.9	76	17.2	349.2	96	26.6	66	14.6	341.5	97	27.9	71	17.0	349.8	85	1000		
SFC.	26.9	78	17.5	349.1	0	28.0	80	19.2	354.9	0	27.8	74	17.5	350.0	0	29.7	79	21.0	362.4	0	SFC.		
	SURFACE PRESSURE 1008.8					SURFACE PRESSURE 1010.8					SURFACE PRESSURE 1011.0					SURFACE PRESSURE 1009.5							

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

3/19 310 GMT					3/19 6 0 GMT					3/19 9 4 GMT					3/19 1145 GMT				
P	T	RH	W	EPT H	T	RH	W	EPT H	T	RH	W	EPT H	T	RH	W	EPT H	P		
60	-66.5	0	0.0	462.1 19559	-68.5	0	0.0	457.6 19474	0.0	0	0.0	0.0	0	-62.9	0	0.0	470.1 19464	60	
70	-71.5	0	0.0	431.4 18637	-73.5	24	.0	427.2 18562	0.0	0	0.0	0.0	0	-71.4	25	.0	431.8 18538	70	
80	-72.0	0	0.0	414.2 17849	-76.6	24	.0	404.8 17789	0.0	0	0.0	0.0	0	-74.3	25	.0	409.5 17754	80	
90	-72.5	18	.0	399.6 17156	-76.6	24	.0	391.4 17111	0.0	0	0.0	0.0	0	-76.9	26	.0	390.8 17073	90	
100	-79.4	20	.0	374.4 16548	-79.4	23	.0	374.3 16508	0.0	0	0.0	0.0	0	-79.2	26	.0	374.7 16471	100	
110	-79.2	20	.0	364.6 16010	-77.6	23	.0	367.7 15964	0.0	0	0.0	0.0	0	-79.0	26	.0	365.0 15929	110	
120	-76.5	21	.0	360.6 15512	-75.9	23	.0	361.8 15464	0.0	0	0.0	0.0	0	-76.6	26	.0	360.5 15432	120	
130	-74.0	21	.0	357.0 15048	-74.3	23	.0	356.3 15000	0.0	0	0.0	0.0	0	-74.1	27	.0	356.7 14968	130	
140	-71.5	21	.0	353.8 14613	-71.4	23	.0	354.0 14565	0.0	0	0.0	0.0	0	-71.9	27	.0	353.2 14534	140	
150	-67.9	21	.0	353.2 14202	-68.5	22	.0	352.1 14155	0.0	0	0.0	0.0	0	-69.0	27	.0	351.2 14124	150	
160	-64.5	20	.0	352.4 13811	-65.8	21	.0	350.3 13765	0.0	0	0.0	0.0	0	-65.9	27	.0	350.1 13736	160	
170	-61.3	20	.0	351.7 13438	-63.2	21	.0	348.5 13395	0.0	0	0.0	0.0	0	-63.0	27	.0	348.9 13365	170	
180	-58.2	20	.0	351.0 13081	-59.9	22	.0	348.3 13041	0.0	0	0.0	0.0	0	-60.2	27	.0	347.8 13011	180	
190	-55.3	19	.0	350.3 12738	-56.7	23	.0	348.2 12701	0.0	0	0.0	0.0	0	-57.6	26	.0	346.7 12672	190	
200	-52.6	19	.0	349.6 12409	-53.6	23	.0	348.1 12373	0.0	0	0.0	0.0	0	-55.1	26	.0	345.6 12346	200	
225	-46.3	18	.0	347.8 11637	-49.1	20	.0	343.5 11607	0.0	0	0.0	0.0	0	-49.5	26	.0	343.0 11584	225	
250	-40.7	18	.1	346.0 10929	-43.0	18	.1	342.5 10906	0.0	0	0.0	0.0	0	-43.6	22	.1	341.5 10885	250	
275	-35.5	17	.1	344.2 10272	-37.5	16	.1	341.4 10256	-37.4	M	M	M 10259	-38.2	18	.1	340.3 10237	275		
300	-30.9	17	.2	342.5 9661	-32.6	17	.1	340.1 9649	-32.3	M	M	M 9652	-33.4	21	.2	338.9 9632	300		
325	-26.6	16	.2	340.9 9088	-28.1	14	.2	338.6 9080	-27.6	M	M	M 9082	-29.1	27	.3	337.8 9065	325		
350	-22.6	16	.3	339.5 8549	-23.1	14	.2	338.6 8543	-23.4	M	M	M 8544	-25.2	59	.8	337.9 8531	350		
375	-18.8	16	.4	338.2 8038	-20.2	17	.4	336.3 8035	-19.9	M	M	M 8036	-21.4	57	1.1	337.2 8026	375		
400	-15.8	18	.5	336.4 7554	-16.7	16	.4	334.9 7554	-17.0	M	M	M 7554	-17.7	45	1.1	335.9 7547	400		
425	-14.2	26	.8	333.6 7097	-14.9	30	.8	332.9 7096	-14.3	M	M	M 7097	-13.5	55	1.7	337.8 7089	425		
450	-10.9	27	1.0	333.1 6660	-12.3	36	1.2	332.1 6662	-12.9	M	M	M 6663	-11.6	63	2.2	336.3 6653	450		
475	-7.8	28	1.2	332.7 6242	-9.8	38	1.4	331.0 6246	-10.0	M	M	M 6249	-9.4	50	2.0	333.2 6236	475		
500	-5.3	20	1.0	330.2 5841	-7.2	49	2.2	331.7 5848	-7.3	M	M	M 5852	-7.8	70	3.0	333.4 5839	500		
525	-2.9	29	1.7	330.8 5456	-4.2	38	2.0	330.2 5466	-4.8	M	M	M 5470	-5.3	75	3.7	334.1 5457	525		
550	-.8	34	2.2	330.7 5086	-2.0	53	3.2	332.1 5097	-2.9	M	M	M 5103	-2.9	80	4.5	335.1 5089	550		
575	.8	48	3.4	332.1 4730	.6	36	2.5	329.0 4742	-1.0	M	M	M 4750	-1.0	85	5.2	335.5 4735	575		
600	2.8	41	3.2	329.9 4387	2.6	30	2.3	327.0 4399	-1.9	M	M	M 4411	1.5	79	5.6	335.7 4393	600		
625	4.7	44	3.7	330.0 4055	4.5	28	2.4	325.5 4068	3.8	M	M	M 4081	3.7	77	6.2	336.1 4062	625		
650	6.5	38	3.6	327.8 3734	6.2	26	2.4	324.0 3748	6.3	M	M	M 3761	5.3	83	7.1	337.0 3742	650		
675	8.3	33	3.3	325.6 3424	7.9	24	2.4	322.5 3438	8.8	M	M	M 3450	6.7	89	8.1	338.1 3432	675		
700	9.9	27	3.0	323.2 3122	9.5	23	2.4	320.9 3137	8.7	M	M	M 3149	8.1	94	9.2	339.3 3132	700		
725	11.4	32	3.7	323.9 2830	11.1	21	2.4	319.4 2845	11.5	M	M	M 2858	9.8	93	9.8	339.7 2840	725		
750	12.2	62	7.4	332.3 2546	11.1	56	6.1	327.3 2562	13.2	M	M	M 2575	11.9	80	9.4	337.7 2557	750		
775	13.0	74	9.0	334.8 2270	11.8	78	8.8	332.7 2288	14.6	M	M	M 2299	13.9	68	8.8	335.2 2281	775		
800	14.3	64	8.2	330.8 2002	13.5	81	9.8	334.5 2020	15.8	M	M	M 2030	14.7	69	9.0	333.8 2012	800		
825	15.8	66	9.1	332.2 1741	15.1	83	10.9	336.5 1760	17.1	M	M	M 1768	16.4	67	9.5	334.3 1750	825		
850	17.3	69	10.1	333.9 1487	16.6	86	12.1	338.7 1505	18.3	M	M	M 1512	18.1	65	10.0	334.8 1495	850		
875	18.7	69	10.8	334.7 1238	18.1	88	13.3	341.0 1257	19.5	M	M	M 1263	19.8	63	10.5	335.3 1245	875		
900	20.1	69	11.4	335.4 995	19.6	91	14.6	343.5 1014	20.7	M	M	M 1019	21.4	61	11.0	335.8 1001	900		
925	20.8	81	13.7	339.9 757	21.0	93	15.9	346.2 776	21.8	M	M	M 781	23.0	59	11.4	336.2 763	925		
950	23.0	82	15.4	344.5 525	23.0	88	16.6	347.6 543	22.9	M	M	M 548	24.2	61	12.2	337.3 529	950		
975	25.5	79	16.9	349.2 297	24.9	83	17.1	348.8 315	23.9	M	M	M 320	23.0	84	15.5	342.1 302	975		
1000	27.9	77	18.5	354.1 72	26.7	78	17.5	349.8 91	25.4	96	19.8	354.3 97	25.2	84	17.3	347.1 79	1000		
SFC.	28.7	76	19.0	355.7 0	27.5	76	17.7	350.1 0	26.2	96	20.8	356.7 0	26.0	84	17.9	348.9 0	SFC.		
				SURFACE PRESSURE 1008.1				SURFACE PRESSURE 1010.3				SURFACE PRESSURE 1011.0					SURFACE PRESSURE 1009.0		

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA PALMYRA ISLAND

3/19 18 5 GMT						3/19 2320 GMT					3/20 625 GMT					3/20 1115 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	0.0	0	0.0	0.0	0	-64.1	0	0.0	467.4	19535	-66.2	0	0.0	462.7	19475	0.0	0	0.0	0.0	0	60	
70	0.0	0	0.0	0.0	0	-71.7	0	0.0	430.9	18618	-69.0	0	0.0	436.8	18542	0.0	0	0.0	0.0	0	70	
80	0.0	0	0.0	0.0	0	-68.6	24	.0	421.3	17824	-70.9	46	.0	416.6	17751	0.0	0	0.0	0.0	0	80	
90	0.0	0	0.0	0.0	0	-76.0	25	.0	392.5	17132	-76.5	46	.0	391.6	17064	-77.9	40	.0	388.7	17015	90	
100	0.0	0	0.0	0.0	0	-77.7	25	.0	377.6	16527	-81.1	46	.0	371.1	16466	-80.4	41	.0	372.4	16419	100	
110	0.0	0	0.0	0.0	0	-76.5	25	.0	369.7	15980	-78.0	46	.0	367.0	15926	-77.7	41	.0	367.4	15877	110	
120	0.0	0	0.0	0.0	0	-75.4	25	.0	362.7	15478	-76.0	46	.0	361.5	15425	-78.2	41	.0	357.4	15380	120	
130	0.0	0	0.0	0.0	0	-72.9	25	.0	358.9	15011	-74.2	46	.0	356.6	14962	-74.9	41	.0	355.4	14920	130	
140	0.0	0	0.0	0.0	0	-70.4	25	.0	355.7	14574	-71.2	47	.0	354.4	14527	-71.8	41	.0	353.4	14486	140	
150	-68.8	18	.0	351.5	14126	-67.7	25	.0	353.5	14162	-68.4	47	.0	352.3	14116	-68.9	41	.0	351.5	14076	150	
160	-64.6	18	.0	352.3	13736	-65.1	25	.0	351.4	13771	-65.8	48	.0	350.3	13726	-66.2	41	.0	349.6	13688	160	
170	-61.9	18	.0	350.7	13363	-62.7	25	.0	349.4	13400	-64.7	49	.0	346.1	13357	-64.9	43	.0	345.7	13319	170	
180	-60.4	18	.0	347.4	13008	-60.0	25	.0	348.1	13045	-62.6	50	.0	344.0	13006	-63.2	45	.0	343.0	12969	180	
190	-57.5	18	.0	346.8	12670	-57.0	25	.0	347.6	12706	-60.3	50	.0	342.5	12671	-60.1	46	.0	342.7	12635	190	
200	-53.7	17	.0	347.8	12343	-54.2	25	.0	347.2	12379	-57.3	51	.0	342.3	12349	-57.2	48	.0	342.3	12312	200	
225	-48.0	17	.0	345.1	11574	-47.6	24	.1	345.8	11612	-50.2	53	.1	341.9	11592	-50.6	51	.1	341.3	11556	225	
250	-42.9	17	.1	342.5	10872	-41.7	24	.1	344.5	10907	-43.9	54	.2	341.6	10894	-44.7	49	.1	340.3	10860	250	
275	-37.4	17	.1	341.4	10222	-36.4	29	.2	343.2	10254	-38.1	55	.3	341.2	10246	-39.3	46	.2	339.2	10215	275	
300	-32.5	17	.1	340.2	9615	-31.6	33	.3	342.1	9644	-33.3	65	.5	340.4	9641	-34.3	42	.3	338.2	9613	300	
325	-28.8	30	.3	338.4	9046	-26.8	38	.5	341.6	9072	-29.0	77	.8	339.8	9074	-29.6	37	.4	337.3	9047	325	
350	-25.5	45	.6	336.7	8512	-22.5	44	.8	341.4	8533	-25.1	88	1.3	339.6	8539	-25.3	32	.4	336.4	8514	350	
375	-21.9	46	.8	335.6	8008	-19.2	52	1.2	340.5	8023	-23.1	50	.8	333.9	8035	-22.6	74	1.2	336.1	8011	375	
400	-18.4	43	1.0	334.6	7530	-16.0	59	1.6	340.0	7539	-18.8	23	.5	332.4	7559	-18.2	76	1.7	337.5	7533	400	
425	-14.9	27	.8	332.7	7074	-13.5	66	2.1	339.1	7080	-16.0	30	.8	331.3	7104	-16.8	62	1.5	332.6	7078	425	
450	-12.6	44	1.4	332.5	6640	-11.1	73	2.7	338.4	6643	-12.3	21	.7	330.2	6671	-13.6	50	1.5	331.3	6646	450	
475	-9.8	47	1.8	332.0	6225	-8.9	75	3.1	337.4	6225	-9.2	24	1.0	330.1	6255	-10.7	44	1.6	330.1	6233	475	
500	-6.6	36	1.7	330.8	5826	-6.8	67	3.1	335.1	5826	-6.5	37	1.7	331.2	5856	-8.2	42	1.7	329.0	5836	500	
525	-4.2	39	2.1	330.6	5443	-5.3	73	3.6	334.0	5444	-4.3	57	3.0	333.3	5473	-5.9	54	2.5	329.8	5456	525	
550	-2.0	45	2.7	330.9	5075	-3.8	78	4.1	333.0	5077	-2.9	79	4.4	335.0	5105	-4.2	68	3.5	330.4	5089	550	
575	-.1	53	3.5	331.3	4720	-.7	81	5.1	335.7	4723	-.6	76	4.9	335.0	4751	-.3	88	5.7	337.9	4735	575	
600	1.8	59	4.3	332.0	4378	.6	82	5.4	334.0	4382	1.7	64	4.6	333.0	4409	.9	87	5.9	335.8	4393	600	
625	2.7	67	5.0	331.3	4048	2.7	95	7.1	337.7	4053	3.8	51	4.1	329.9	4078	3.1	86	6.6	336.6	4063	625	
650	4.8	60	5.0	330.1	3729	4.7	99	8.2	339.4	3733	6.0	39	3.5	327.2	3758	4.9	87	7.3	336.9	3744	650	
675	6.6	60	5.4	330.0	3419	6.4	99	8.9	339.8	3423	8.2	31	3.1	325.0	3448	6.6	88	8.0	337.4	3434	675	
700	7.6	56	5.2	327.2	3120	7.2	81	7.4	333.0	3124	9.3	54	5.7	330.7	3146	7.9	90	8.6	337.3	3134	700	
725	8.2	40	3.8	320.2	2830	9.2	98	9.9	339.1	2833	10.4	59	6.4	330.7	2855	9.0	93	9.3	337.3	2843	725	
750	8.2	47	4.3	318.7	2550	10.8	88	9.6	336.8	2551	12.1	62	7.3	331.9	2571	10.2	95	10.0	337.2	2560	750	
775	9.7	73	7.1	325.4	2278	12.4	73	8.5	332.5	2276	13.1	88	10.9	340.2	2295	11.3	98	10.7	337.3	2286	775	
800	13.0	94	11.1	337.5	2011	14.3	79	10.1	336.4	2008	13.8	97	12.1	341.4	2027	12.6	99	11.4	337.7	2019	800	
825	14.8	88	11.3	337.1	1751	15.7	81	11.1	337.7	1746	14.6	94	12.0	338.8	1766	13.4	83	9.7	331.1	1760	825	
850	16.3	84	11.6	337.0	1497	16.8	84	12.1	338.9	1492	16.3	93	12.9	340.6	1512	15.2	86	11.0	333.9	1507	850	
875	17.5	87	12.6	338.3	1249	17.9	88	13.1	340.2	1243	18.0	93	13.9	342.5	1263	17.0	89	12.5	337.4	1260	875	
900	18.6	90	13.6	339.7	1007	19.0	91	14.1	341.6	1000	19.6	92	14.9	344.5	1020	18.7	93	14.2	341.3	1017	900	
925	19.8	93	14.7	341.3	770	20.9	88	14.9	343.2	763	21.2	92	15.9	346.5	782	20.4	96	16.0	345.5	780	925	
950	21.7	92	16.0	344.5	539	22.7	85	15.7	344.8	531	22.8	91	17.0	348.6	550	22.1	97	17.4	348.9	548	950	
975	23.6	91	17.3	347.8	311	24.4	82	16.4	346.3	303	24.3	91	18.1	350.8	321	23.7	91	17.4	348.2	321	975	
1000	25.5	89	18.7	351.3	88	26.1	79	17.1	347.7	79	25.8	90	19.2	353.0	98	25.3	84	17.3	347.3	98	1000	
SFC.	26.2	89	19.2	352.7	0	26.7	78	17.3	348.2	0	26.4	90	19.7	354.0	0	26.0	81	17.2	346.8	0	SFC.	
				SURFACE PRESSURE	1010.0				SURFACE PRESSURE	1009.0				SURFACE PRESSURE	1011.1				SURFACE PRESSURE	1011.1		



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

3/20 1447 GMT					3/20 1755 GMT					3/20 21 0 GMT					3/20 2325 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-64.2	0	0.0	467.2	19500	-63.3	0	0.0	469.2	19560	-64.5	0	0.0	466.5	19568	-65.9	0	0.0	463.5	19500	60
70	-70.7	40	.0	433.3	18570	-68.2	0	0.0	438.5	18616	-70.2	0	0.0	434.3	18639	-68.7	0	0.0	437.4	18564	70
80	-74.1	40	.0	409.9	17785	-72.6	27	.0	413.0	17826	-73.6	21	.0	411.0	17853	-77.1	19	.0	403.7	17784	80
90	-78.3	41	.0	388.0	17104	-79.2	27	.0	386.1	17148	-78.9	22	.0	386.7	17170	-78.2	20	.0	388.3	17109	90
100	-77.7	41	.0	377.6	16505	-77.5	27	.0	381.1	16544	-76.5	20	.0	380.0	16569	-79.1	20	.0	374.9	16509	100
110	-76.5	41	.0	369.7	15958	-77.6	28	.0	367.7	15998	-77.7	21	.0	367.6	16023	-79.1	20	.0	364.8	15969	110
120	-75.5	40	.0	362.5	15455	-74.9	28	.0	363.6	15497	-74.3	20	.0	364.6	15520	-75.5	20	.0	362.5	15470	120
130	-73.1	40	.0	358.6	14990	-70.7	26	.0	362.9	15027	-70.9	20	.0	362.4	15050	-72.1	20	.0	360.3	15003	130
140	-69.5	40	.0	357.4	14552	-67.4	27	.0	361.2	14584	-67.6	21	.0	360.8	14608	-69.0	19	.0	358.2	14563	140
150	-66.1	40	.0	356.3	14137	-64.5	28	.0	359.1	14165	-64.4	22	.0	359.2	14189	-66.1	19	.0	356.2	14148	150
160	-63.1	40	.0	355.0	13743	-61.8	28	.0	357.1	13768	-61.5	22	.0	357.6	13792	-63.4	19	.0	354.3	13754	160
170	-60.5	43	.0	353.2	13368	-59.3	29	.0	355.2	13391	-58.7	23	.0	356.0	13414	-59.9	19	.0	354.0	13379	170
180	-58.0	44	.0	351.5	13010	-56.9	30	.0	353.3	13031	-57.5	22	.0	352.3	13054	-57.5	20	.0	352.3	13020	180
190	-55.7	46	.0	349.9	12667	-54.6	31	.0	351.6	12686	-56.7	21	.0	348.2	12712	-56.7	22	.0	348.2	12677	190
200	-53.5	48	.1	348.4	12339	-52.5	31	.0	349.9	12357	-54.9	22	.0	345.9	12386	-55.9	24	.0	344.4	12352	200
225	-48.4	52	.1	344.8	11572	-47.6	33	.1	346.0	11587	-48.6	24	.0	344.3	11622	-49.8	23	.0	342.4	11592	225
250	-43.4	52	.2	342.3	10871	-43.2	35	.1	342.4	10884	-42.9	27	.1	342.7	10920	-44.3	23	.1	340.5	10894	250
275	-38.2	47	.2	340.8	10223	-38.6	41	.2	340.1	10236	-37.7	29	.2	341.2	10270	-38.6	24	.1	339.8	10248	275
300	-33.6	59	.4	339.7	9618	-33.5	42	.3	339.4	9632	-33.0	30	.2	339.8	9664	-33.5	25	.2	339.0	9643	300
325	-29.2	56	.6	338.7	9052	-28.8	43	.5	338.8	9065	-28.7	31	.3	338.5	9096	-29.0	32	.3	338.0	9076	325
350	-25.1	51	.7	337.7	8518	-25.4	50	.7	337.1	8531	-24.7	32	.5	337.3	8561	-25.0	39	.6	337.3	8542	350
375	-21.4	56	1.0	337.1	8012	-22.0	60	1.1	336.3	8027	-21.2	38	.7	336.3	8055	-21.2	45	.9	336.8	8036	375
400	-18.4	99	2.2	338.8	7533	-18.4	57	1.3	335.7	7548	-18.2	50	1.1	335.5	7576	-17.6	51	1.2	336.5	7556	400
425	-15.5	90	2.4	337.4	7078	-14.3	49	1.5	335.9	7092	-13.0	45	1.5	337.6	7119	-14.9	43	1.2	334.2	7100	425
450	-12.8	81	2.6	335.9	6644	-11.8	56	1.9	335.1	6656	-11.4	51	1.8	335.3	6681	-12.3	35	1.2	332.0	6665	450
475	-10.7	44	1.6	330.2	6230	-10.0	37	1.4	330.6	6240	-8.9	36	1.5	332.0	6264	-8.7	28	1.2	331.3	6249	475
500	-7.4	42	1.8	330.2	5833	-6.6	32	1.5	330.2	5842	-6.2	26	1.3	330.0	5865	-5.4	21	1.1	330.3	5849	500
525	-5.0	60	3.0	332.6	5451	-3.6	31	1.7	330.0	5459	-3.3	22	1.3	328.9	5481	-3.2	18	1.0	328.2	5465	525
550	-2.5	15	.9	324.2	5084	-1.9	40	2.4	330.0	5090	-1.4	34	2.1	329.7	5112	-1.7	19	1.1	326.1	5096	550
575	-.4	12	.8	322.4	4730	.2	19	1.3	324.8	4735	1.4	19	1.4	326.3	4756	-.4	22	1.4	324.3	4741	575
600	1.0	60	4.1	330.5	4388	2.2	31	2.3	326.4	4393	3.0	23	1.8	325.8	4412	1.6	22	1.6	323.4	4400	600
625	3.0	60	4.6	330.3	4058	4.1	43	3.5	328.4	4062	4.7	27	2.3	325.6	4081	4.5	33	2.7	326.7	4069	625
650	5.2	57	4.9	330.3	3739	5.5	64	5.6	332.7	3742	6.5	36	3.3	327.0	3760	7.6	43	4.3	331.5	3748	650
675	7.4	63	6.0	332.7	3429	7.0	70	6.6	333.8	3432	8.2	43	4.4	328.8	3449	8.9	47	5.0	331.5	3436	675
700	9.3	66	6.9	334.2	3128	8.4	77	7.6	335.0	3131	9.8	46	5.0	329.1	3148	10.2	51	5.7	331.6	3134	700
725	11.1	47	5.4	328.5	2836	9.0	80	8.0	333.4	2840	11.3	41	4.8	326.9	2855	11.5	54	6.4	331.8	2841	725
750	12.4	36	4.4	323.9	2552	11.9	42	4.8	324.5	2558	12.8	36	4.5	324.6	2571	12.7	58	7.1	332.1	2556	750
775	13.5	49	6.2	327.2	2277	14.0	29	3.7	320.6	2282	14.2	32	4.2	322.2	2295	14.7	25	3.4	320.6	2280	775
800	15.2	50	6.8	327.9	2008	15.2	44	5.9	325.5	2014	15.5	34	4.7	322.2	2027	15.6	33	4.6	322.0	2011	800
825	15.8	72	9.9	334.5	1747	15.2	75	9.9	333.8	1753	16.7	41	5.9	324.3	1765	16.4	42	5.9	324.0	1750	825
850	16.5	86	12.0	338.4	1492	16.5	76	10.6	334.4	1498	17.9	48	7.2	326.5	1510	17.3	50	7.3	326.1	1495	850
875	17.8	84	12.3	337.8	1244	17.9	79	11.8	336.5	1250	19.0	54	8.6	328.9	1262	18.0	59	8.7	328.2	1247	875
900	19.2	82	12.8	338.1	1002	19.3	82	12.9	338.6	1008	20.1	60	10.0	331.4	1019	18.8	67	10.2	330.4	1005	900
925	21.1	80	13.8	340.3	764	20.7	84	14.2	341.0	771	21.2	66	11.5	334.1	781	20.6	67	11.2	332.5	769	925
950	22.9	79	14.8	342.6	532	22.0	87	15.5	343.4	538	22.6	70	12.8	337.0	549	22.7	65	12.0	334.7	537	950
975	24.7	78	15.8	345.0	304	24.0	80	15.6	343.5	311	25.1	66	13.6	339.7	322	24.8	63	12.8	336.9	309	975
1000	26.4	76	16.8	347.3	80	25.9	73	15.5	343.0	88	27.7	69	16.3	347.9	98	28.5	65	16.0	347.8	85	1000
SFC.	27.0	76	17.2	348.2	0	26.6	70	15.4	342.7	0	29.0	75	19.0	355.9	0	30.2	66	18.0	354.6	0	SFC.
				SURFACE PRESSURE	1009.1				SURFACE PRESSURE	1010.0				SURFACE PRESSURE	1011.0				SURFACE PRESSURE	1009.6	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

3/21 235 GMT						3/21 6 0 GMT						3/21 855 GMT						3/21 1210 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-64.6	0	0.0	466.3	19491	-67.3	0	0.0	460.3	19467	-67.6	0	0.0	459.6	19471	-66.5	0	0.0	462.1	19502	60		
70	-66.9	0	0.0	441.3	18549	-69.9	32	.0	434.9	18539	-68.8	0	0.0	437.2	18546	-68.3	0	0.0	438.3	18568	70		
80	-76.3	27	.0	405.4	17765	-78.3	33	.0	401.3	17756	-75.7	31	.0	406.6	17760	-76.7	27	.0	404.6	17782	80		
90	-76.4	27	.0	391.8	17086	-78.5	32	.0	387.7	17084	-78.6	31	.0	387.4	17089	-77.5	26	.0	389.6	17105	90		
100	-76.5	27	.0	380.0	16479	-78.6	32	.0	375.9	16484	-76.8	31	.0	379.4	16485	-78.2	26	.0	376.7	16503	100		
110	-79.0	28	.0	365.0	15937	-78.9	34	.0	365.2	15942	-77.0	31	.0	368.8	15939	-78.5	26	.0	366.0	15959	110		
120	-75.8	28	.0	362.0	15438	-76.1	33	.0	361.3	15444	-74.7	31	.0	363.9	15436	-75.4	26	.0	362.7	15459	120		
130	-72.8	27	.0	359.1	14972	-73.6	33	.0	357.7	14979	-72.7	30	.0	359.3	14969	-72.5	26	.0	359.7	14992	130		
140	-70.1	27	.0	356.4	14534	-71.2	32	.0	354.4	14543	-70.8	30	.0	355.1	14531	-69.8	26	.0	356.9	14554	140		
150	-67.5	27	.0	353.9	14121	-68.3	32	.0	352.5	14133	-67.8	30	.0	353.4	14120	-67.3	26	.0	354.2	14140	150		
160	-64.2	28	.0	352.9	13730	-64.8	31	.0	351.9	13742	-64.9	30	.0	351.8	13729	-65.0	26	.0	351.6	13749	160		
170	-61.2	29	.0	352.0	13356	-62.0	32	.0	350.7	13370	-62.1	30	.0	350.4	13357	-61.6	26	.0	351.3	13376	170		
180	-58.3	30	.0	351.0	12999	-59.6	35	.0	348.9	13014	-59.5	30	.0	348.9	13001	-58.4	25	.0	350.9	13020	180		
190	-57.7	31	.0	346.6	12658	-57.3	37	.0	347.2	12674	-57.1	30	.0	347.5	12661	-55.8	25	.0	349.7	12677	190		
200	-57.3	32	.0	342.2	12334	-55.2	40	.0	345.5	12349	-54.8	30	.0	346.2	12335	-54.0	24	.0	347.3	12349	200		
225	-50.3	35	.1	341.7	11577	-50.7	59	.1	341.2	11590	-49.3	30	.1	343.2	11572	-49.0	24	.0	343.6	11586	225		
250	-44.0	38	.1	341.2	10880	-44.8	58	.2	340.1	10894	-44.3	29	.1	340.6	10874	-43.9	23	.1	341.1	10886	250		
275	-38.3	40	.2	340.6	10232	-39.2	52	.2	339.4	10249	-39.8	29	.1	338.1	10229	-39.0	23	.1	339.2	10240	275		
300	-33.1	42	.3	340.0	9627	-34.1	52	.4	338.8	9647	-35.5	51	.3	336.7	9628	-33.8	25	.2	338.5	9636	300		
325	-28.5	40	.4	339.1	9059	-29.2	63	.7	339.0	9081	-31.1	93	.8	336.9	9066	-30.7	54	.5	336.2	9071	325		
350	-24.7	53	.8	338.5	8524	-25.9	74	1.0	337.4	8547	-26.5	84	1.0	336.8	8536	-26.0	45	.6	335.9	8539	350		
375	-20.9	51	1.0	337.6	8017	-21.8	66	1.2	337.0	8043	-22.8	75	1.2	335.8	8033	-22.0	47	.8	335.5	8035	375		
400	-17.8	55	1.3	336.5	7537	-18.2	78	1.8	337.6	7564	-19.3	96	2.0	336.9	7556	-19.3	82	1.7	335.9	7558	400		
425	-14.6	31	.9	333.6	7081	-15.2	93	2.6	338.3	7108	-16.3	85	2.1	335.4	7102	-16.0	90	2.3	336.4	7104	425		
450	-11.5	25	.9	332.0	6645	-12.3	20	.7	330.2	6674	-13.2	60	1.8	333.0	6670	-13.3	38	1.2	330.6	6671	450		
475	-9.4	18	.7	328.9	6229	-9.4	20	.8	329.2	6259	-10.2	44	1.6	330.9	6255	-10.3	36	1.3	329.8	6257	475		
500	-6.5	15	.7	327.7	5831	-6.7	20	.9	328.2	5860	-7.3	33	1.4	329.1	5858	-7.2	20	.9	327.5	5859	500		
525	-3.9	15	.8	326.8	5448	-4.1	20	1.1	327.4	5477	-4.8	22	1.1	326.7	5476	-4.3	19	1.0	326.8	5477	525		
550	-1.4	16	1.0	325.9	5079	-1.6	21	1.3	326.6	5109	-2.3	19	1.1	325.4	5108	-1.6	24	1.5	327.4	5109	550		
575	1.0	16	1.1	325.2	4724	.8	21	1.4	325.9	4753	.1	20	1.3	324.8	4754	1.0	30	2.1	328.3	4753	575		
600	3.3	16	1.3	324.5	4380	3.1	21	1.6	325.3	4410	2.5	21	1.6	324.4	4411	2.1	23	1.7	324.3	4410	600		
625	5.5	17	1.5	323.9	4048	5.2	21	1.8	324.7	4078	4.7	21	1.8	324.0	4080	4.5	20	1.7	323.5	4079	625		
650	7.5	21	2.1	324.5	3726	7.3	21	2.1	324.2	3757	6.8	22	2.1	323.7	3759	6.7	25	2.4	324.6	3759	650		
675	9.2	35	3.8	328.2	3415	8.6	56	5.8	333.5	3445	8.0	55	5.4	331.7	3449	7.9	47	4.7	329.4	3448	675		
700	10.8	43	5.0	330.5	3112	10.7	50	5.8	332.4	3143	9.0	58	6.0	331.1	3148	9.3	37	3.9	325.3	3147	700		
725	11.5	48	5.6	329.5	2819	11.0	70	8.0	336.0	2850	10.4	72	7.9	334.9	2856	11.3	72	8.3	337.3	2855	725		
750	11.9	67	7.8	333.2	2535	12.4	77	9.3	338.1	2566	11.7	86	9.9	338.9	2572	12.5	87	10.7	342.3	2570	750		
775	12.7	70	8.4	332.5	2260	14.0	80	10.4	340.0	2289	13.0	90	11.0	340.3	2296	13.9	89	11.6	343.0	2293	775		
800	15.2	43	5.9	325.3	1992	15.6	83	11.6	342.1	2020	15.0	65	8.7	333.2	2028	15.3	83	11.3	341.0	2024	800		
825	16.0	51	7.1	326.8	1731	17.0	75	11.1	339.3	1757	17.4	38	5.7	324.4	1766	16.6	76	11.1	338.8	1761	825		
850	16.9	58	8.2	328.3	1476	18.3	66	10.3	335.8	1501	18.1	52	8.0	328.9	1510	18.0	70	10.7	336.5	1506	850		
875	17.8	64	9.5	330.0	1228	18.2	75	11.3	335.6	1252	18.6	69	10.7	334.5	1262	19.2	66	10.6	334.8	1257	875		
900	18.8	70	10.7	331.9	986	19.6	80	12.9	338.8	1010	20.1	62	10.2	332.1	1019	19.9	91	14.9	344.7	1013	900		
925	20.1	74	11.8	333.8	750	21.0	85	14.5	342.2	772	20.6	79	13.2	338.0	782	21.5	91	16.2	347.6	775	925		
950	22.3	68	12.3	335.2	518	22.3	89	16.2	345.9	540	21.4	92	15.8	343.5	550	23.5	97	18.8	354.6	542	950		
975	24.6	63	12.6	336.2	291	24.4	85	17.0	348.1	312	24.1	85	16.8	346.9	323	25.4	88	18.8	354.1	313	975		
1000	26.7	58	12.8	336.9	68	26.6	79	17.6	349.8	88	26.7	79	17.6	350.0	99	27.2	80	18.5	353.1	89	1000		
SFC.	27.4	56	12.9	337.1	0	27.4	77	17.8	350.4	0	27.8	76	18.0	351.3	0	27.9	77	18.3	352.6	0	SFC.		
				SURFACE PRESSURE	1007.7				SURFACE PRESSURE	1010.0				SURFACE PRESSURE	1011.2				SURFACE PRESSURE	1010.0			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

3/21 18 5 GMT						3/22 350 GMT						3/22 7 0 GMT						3/22 12 0 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-65.2	0	0.0	465.0	19535	-65.2	0	0.0	465.0	19459	-66.5	0	0.0	462.1	19520	-67.7	0	0.0	459.4	19487	60		
70	-70.6	0	0.0	433.4	18604	-68.5	0	0.0	437.8	18527	-68.0	0	0.0	438.9	18586	-72.8	0	0.0	428.6	18563	70		
80	-75.6	0	0.0	406.7	17819	-73.7	0	0.0	410.8	17742	-72.6	18	.0	413.1	17797	-75.5	15	.0	407.1	17788	80		
90	-76.3	17	.0	392.0	17141	-78.8	18	.0	387.0	17060	-76.7	19	.0	391.2	17114	-77.1	15	.0	390.4	17112	90		
100	-75.4	17	.0	382.1	16529	-75.3	18	.0	382.3	16455	-74.9	20	.0	383.0	16505	-78.6	15	.0	375.9	16505	100		
110	-76.8	17	.0	369.1	15982	-77.5	19	.0	367.8	15906	-77.2	19	.0	368.5	15955	-78.8	15	.0	365.4	15964	110		
120	-74.7	16	.0	364.0	15479	-77.4	19	.0	359.0	15409	-75.7	18	.0	362.1	15456	-75.3	15	.0	362.8	15464	120		
130	-71.2	16	.0	361.9	15010	-74.0	18	.0	357.0	14946	-72.1	18	.0	360.3	14989	-72.0	15	.0	360.6	14997	130		
140	-68.1	16	.0	359.9	14568	-70.7	18	.0	355.4	14510	-68.8	19	.0	358.6	14549	-68.9	15	.0	358.4	14557	140		
150	-65.1	16	.0	358.0	14151	-67.0	18	.0	354.7	14097	-65.7	19	.0	356.9	14133	-66.2	15	.0	356.0	14141	150		
160	-63.4	16	.0	354.3	13756	-63.6	18	.0	354.0	13705	-64.8	19	.0	352.0	13739	-64.8	15	.0	352.0	13749	160		
170	-61.2	16	.0	351.8	13382	-62.5	18	.0	349.8	13331	-62.5	19	.0	349.7	13367	-61.6	15	.0	351.3	13377	170		
180	-59.2	16	.0	349.5	13025	-59.2	18	.0	349.5	12976	-59.8	18	.0	348.5	13012	-58.5	14	.0	350.6	13020	180		
190	-57.3	16	.0	347.2	12685	-56.6	18	.0	348.2	12635	-57.2	18	.0	347.3	12672	-55.6	14	.0	349.9	12678	190		
200	-54.9	16	.0	345.9	12359	-55.4	18	.0	345.2	12309	-54.7	18	.0	346.2	12346	-52.9	14	.0	349.1	12349	200		
225	-47.6	15	.0	345.7	11594	-49.5	16	.0	342.8	11547	-48.8	17	.0	343.8	11583	-48.0	13	.0	345.1	11580	225		
250	-42.7	14	.0	342.9	10890	-43.4	15	.1	341.8	10848	-42.5	16	.1	343.2	10881	-42.8	13	.0	342.7	10878	250		
275	-37.3	14	.1	341.5	10239	-38.3	15	.1	340.1	10199	-38.3	15	.1	340.1	10230	-37.2	12	.1	341.6	10227	275		
300	-35.7	20	.1	335.6	9636	-34.7	15	.1	337.0	9596	-35.0	16	.1	336.5	9628	-34.9	13	.1	336.6	9623	300		
325	-30.4	18	.2	335.5	9073	-32.7	17	.1	332.2	9035	-31.1	17	.1	334.4	9065	-31.1	12	.1	334.3	9061	325		
350	-25.4	17	.2	335.4	8540	-27.9	18	.2	332.0	8508	-27.5	17	.2	332.5	8536	-26.4	10	.1	333.7	8530	350		
375	-21.9	24	.4	334.3	8036	-23.4	20	.3	331.8	8008	-23.6	18	.3	331.4	8036	-22.5	11	.2	332.5	8028	375		
400	-19.5	40	.8	332.6	7558	-19.2	21	.4	331.7	7532	-19.1	18	.4	331.6	7560	-19.1	13	.3	331.2	7551	400		
425	-16.1	50	1.3	332.9	7105	-16.5	38	.9	331.2	7078	-16.7	42	1.0	331.3	7107	-16.3	34	.9	331.3	7097	425		
450	-12.8	41	1.3	331.7	6672	-13.4	42	1.3	330.8	6646	-13.5	53	1.6	331.9	6674	-13.2	45	1.4	331.5	6664	450		
475	-10.1	32	1.2	329.7	6257	-9.7	26	1.0	329.5	6232	-9.6	35	1.3	330.8	6260	-8.9	25	1.0	330.7	6249	475		
500	-7.2	29	1.3	328.8	5859	-6.7	19	.9	328.1	5833	-6.8	27	1.3	329.2	5861	-5.9	23	1.1	329.8	5849	500		
525	-4.4	26	1.3	327.8	5477	-4.2	19	1.0	327.0	5451	-4.5	27	1.4	327.9	5479	-4.1	34	1.8	329.7	5466	525		
550	-1.8	23	1.4	326.8	5109	-1.8	18	1.1	325.9	5082	-2.3	26	1.5	326.6	5111	-2.4	39	2.3	328.9	5098	550		
575	.7	20	1.4	325.7	4754	.5	18	1.3	325.0	4727	.1	25	1.7	325.8	4757	-.2	38	2.5	328.0	4743	575		
600	3.2	17	1.4	324.5	4411	2.6	20	1.5	324.3	4385	2.4	24	1.8	325.1	4414	2.1	35	2.6	327.1	4401	600		
625	5.4	16	1.4	323.6	4079	4.6	21	1.7	323.7	4053	4.4	26	2.2	324.9	4083	4.3	32	2.7	326.2	4070	625		
650	6.9	25	2.4	324.7	3758	6.6	22	2.0	323.2	3733	7.9	33	3.3	328.8	3762	6.4	30	2.7	325.2	3750	650		
675	8.4	34	3.4	326.1	3447	8.5	23	2.3	322.8	3422	9.4	34	3.7	328.0	3450	8.4	27	2.8	324.2	3439	675		
700	9.9	42	4.6	328.0	3145	10.2	36	4.0	326.7	3121	10.6	36	4.1	327.3	3148	9.4	58	6.2	332.1	3138	700		
725	11.6	50	5.9	330.4	2853	11.8	40	4.8	327.4	2828	12.2	54	6.7	333.5	2854	11.5	69	8.1	337.0	2846	725		
750	13.1	57	7.3	333.1	2568	13.4	66	8.5	337.1	2543	13.7	72	9.5	340.2	2569	12.4	81	9.9	339.7	2561	750		
775	14.7	65	8.8	336.2	2291	13.4	72	9.0	335.4	2267	14.9	81	11.3	343.5	2291	13.3	94	11.7	342.6	2284	775		
800	15.9	72	10.2	338.6	2021	15.0	74	10.0	336.8	1998	16.0	84	12.0	343.8	2021	15.7	98	13.9	348.6	2015	800		
825	16.5	71	10.2	336.2	1759	16.5	76	11.0	338.5	1736	17.0	86	12.8	344.1	1758	16.0	98	13.7	345.4	1753	825		
850	18.3	65	10.1	335.3	1503	18.0	78	12.0	340.2	1481	18.0	88	13.6	344.5	1502	17.4	98	14.6	346.6	1497	850		
875	18.8	70	10.9	335.1	1254	18.8	82	13.0	340.9	1231	18.9	90	14.4	345.0	1252	18.9	97	15.5	348.0	1247	875		
900	19.4	73	11.5	334.9	1012	18.9	89	13.7	340.3	988	19.9	92	15.2	345.4	1008	20.3	97	16.4	349.4	1004	900		
925	21.0	66	11.2	333.2	774	20.8	91	15.4	344.6	751	21.0	93	15.9	346.2	771	21.7	97	17.3	350.9	765	925		
950	22.1	74	13.2	337.3	543	22.7	89	16.4	346.8	519	23.0	88	16.6	347.6	538	23.1	96	18.3	352.5	532	950		
975	23.9	74	14.3	340.1	316	25.0	79	16.3	347.0	291	24.9	83	17.1	348.9	310	24.6	93	18.8	353.2	303	975		
1000	26.3	67	14.6	341.2	93	27.3	69	16.0	346.3	66	26.8	78	17.5	349.9	86	26.4	85	18.7	352.4	80	1000		
SFC.	27.3	64	14.6	341.5	0	28.0	66	15.8	345.9	0	27.5	76	17.7	350.2	0	27.0	82	18.6	352.0	0	SFC.		
	SURFACE PRESSURE 1010.5						SURFACE PRESSURE 1007.5						SURFACE PRESSURE 1009.7						SURFACE PRESSURE 1009.0				

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA PALMYRA ISLAND

3/22 1529 GMT					3/22 1750 GMT					3/22 2040 GMT					3/23 150 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-63.0	0	0.0	469.9	19589	-61.6	0	0.0	473.0	19562	-62.4	0	0.0	471.2	19514	0.0	0	0.0	0.0	0	60	
70	-66.6	0	0.0	442.0	18650	-64.6	0	0.0	446.2	18614	-64.8	0	0.0	445.8	18573	-64.2	0	0.0	447.1	18596	70	
80	-74.2	0	0.0	409.7	17865	-74.7	0	0.0	408.8	17823	-74.1	18	.0	409.9	17779	-74.4	16	.0	409.3	17796	80	
90	-77.1	18	.0	390.3	17185	-76.2	18	.0	392.1	17143	-77.0	19	.0	390.6	17097	-76.0	16	.0	392.6	17117	90	
100	-76.1	18	.0	380.7	16577	-72.7	18	.0	387.3	16530	-73.7	19	.0	385.3	16487	-78.3	16	.0	376.5	16509	100	
110	-78.2	18	.0	366.5	16034	-77.6	20	.0	367.7	15977	-77.3	19	.0	368.3	15934	-78.9	16	.0	365.2	15966	110	
120	-75.1	17	.0	363.2	15533	-75.0	19	.0	363.4	15477	-76.8	18	.0	360.2	15435	-76.4	16	.0	360.9	15468	120	
130	-72.2	17	.0	360.3	15066	-71.7	18	.0	361.2	15008	-75.4	18	.0	354.5	14973	-73.3	15	.0	358.2	15003	130	
140	-69.4	17	.0	357.5	14626	-69.9	17	.0	356.6	14569	-73.3	19	.0	350.8	14542	-70.4	15	.0	355.7	14566	140	
150	-66.9	17	.0	354.9	14212	-69.2	16	.0	350.9	14157	-71.3	20	.0	347.3	14136	-67.8	15	.0	353.3	14154	150	
160	-64.5	17	.0	352.4	13820	-65.8	17	.0	350.3	13769	-67.7	19	.0	347.1	13751	-64.7	15	.0	352.0	13763	160	
170	-61.6	17	.0	351.3	13447	-62.5	18	.0	349.7	13398	-64.3	19	.0	346.8	13383	-61.9	15	.0	350.8	13391	170	
180	-58.3	16	.0	350.9	13091	-59.5	18	.0	349.0	13042	-61.0	18	.0	346.5	13031	-59.2	15	.0	349.5	13035	180	
190	-55.3	16	.0	350.4	12748	-56.7	17	.0	348.2	12702	-58.0	18	.0	346.1	12692	-56.6	15	.0	348.3	12694	190	
200	-52.4	16	.0	349.9	12419	-54.0	17	.0	347.4	12375	-55.1	18	.0	345.6	12367	-53.4	15	.0	348.3	12366	200	
225	-47.3	14	.0	346.2	11647	-47.8	16	.0	345.5	11608	-48.5	16	.0	344.4	11603	-47.3	15	.0	346.2	11598	225	
250	-42.1	14	.1	343.7	10943	-42.2	16	.1	343.6	10904	-42.2	16	.1	343.6	10901	-41.8	15	.1	344.2	10892	250	
275	-36.9	13	.1	342.2	10290	-36.9	16	.1	342.2	10252	-36.2	16	.1	343.2	10248	-35.9	14	.1	343.6	10238	275	
300	-32.0	13	.1	340.7	9682	-33.5	16	.1	338.7	9645	-31.5	16	.1	341.5	9638	-32.9	14	.1	339.5	9630	300	
325	-29.5	14	.1	336.7	9114	-29.9	16	.2	336.1	9079	-27.6	17	.2	339.5	9067	-29.5	15	.2	336.7	9063	325	
350	-25.2	14	.2	335.7	8581	-26.0	16	.2	334.6	8547	-23.4	18	.3	338.4	8529	-25.0	16	.2	336.0	8529	350	
375	-21.1	15	.3	334.7	8075	-22.3	16	.3	333.1	8044	-21.2	17	.3	334.9	8022	-20.9	17	.3	335.3	8024	375	
400	-17.4	15	.4	333.8	7595	-18.9	16	.3	331.8	7567	-18.1	17	.4	333.0	7543	-17.0	18	.5	334.6	7543	400	
425	-14.3	19	.6	332.7	7139	-15.5	21	.5	331.1	7112	-15.0	18	.5	331.6	7087	-13.7	18	.5	333.5	7085	425	
450	-11.5	29	1.0	332.5	6703	-12.3	25	.8	330.7	6678	-12.1	18	.6	330.3	6653	-10.6	17	.7	332.4	6648	450	
475	-8.2	38	1.6	333.5	6286	-9.3	29	1.1	330.5	6262	-9.7	30	1.2	330.1	6237	-8.3	18	.8	330.5	6230	475	
500	-4.5	22	1.2	331.8	5885	-5.7	23	1.2	330.2	5863	-7.0	20	.9	327.9	5839	-5.5	17	.9	329.5	5830	500	
525	-1.9	30	1.9	332.7	5499	-3.2	23	1.3	329.2	5479	-4.7	43	2.2	330.2	5457	-2.8	27	1.6	330.7	5445	525	
550	.1	24	1.7	330.0	5127	-1.5	35	2.2	329.7	5110	-3.1	33	1.8	326.5	5089	-1.1	36	2.3	330.6	5075	550	
575	1.6	25	1.9	328.3	4770	.6	29	2.0	327.4	4754	-1.3	39	2.4	326.3	4736	.5	40	2.7	329.8	4720	575	
600	3.6	32	2.7	329.1	4426	2.5	30	2.3	326.6	4412	.6	57	3.8	328.9	4396	2.7	43	3.3	330.1	4377	600	
625	5.5	40	3.6	330.6	4093	4.3	36	3.0	327.2	4080	2.5	55	4.0	328.1	4067	4.3	58	4.8	332.7	4045	625	
650	6.7	75	7.1	338.8	3771	5.7	49	4.3	329.1	3760	4.3	53	4.2	327.2	3748	5.5	66	5.7	333.1	3725	650	
675	9.8	49	5.5	334.1	3459	7.7	52	5.1	330.2	3450	6.1	51	4.5	326.6	3440	7.8	55	5.4	331.3	3414	675	
700	11.8	57	7.1	337.7	3155	9.8	53	5.7	331.1	3149	7.7	54	5.1	326.9	3141	9.0	56	5.7	330.3	3113	700	
725	13.6	67	9.1	342.3	2860	11.4	60	7.0	333.4	2856	9.3	56	5.7	327.3	2850	10.6	61	6.8	331.9	2821	725	
750	15.0	82	11.8	348.4	2573	12.9	66	8.3	335.9	2571	10.9	59	6.4	327.8	2568	12.1	67	7.9	333.8	2538	750	
775	16.1	97	14.6	354.5	2294	14.4	73	9.7	338.5	2294	12.8	67	8.1	331.9	2293	14.4	62	8.2	334.1	2261	775	
800	17.4	96	15.2	354.7	2022	15.9	76	10.8	340.2	2025	14.9	83	11.1	339.9	2024	16.2	40	5.8	326.2	1992	800	
825	18.7	95	15.8	354.9	1757	17.2	79	11.9	342.0	1762	15.6	89	12.1	340.3	1763	16.3	51	7.2	327.5	1730	825	
850	20.0	94	16.4	355.1	1498	18.6	82	13.1	343.9	1505	17.1	90	13.0	341.8	1508	17.0	67	9.7	332.6	1476	850	
875	21.2	93	17.0	355.3	1247	19.9	85	14.3	346.0	1255	18.5	91	14.0	343.4	1259	17.9	71	10.5	333.0	1227	875	
900	22.4	92	17.6	355.6	1001	21.2	88	15.6	348.3	1010	19.8	92	15.1	345.1	1015	19.4	74	11.7	335.4	985	900	
925	23.5	91	18.2	355.8	761	22.4	90	16.9	350.6	771	21.2	93	16.1	346.8	778	21.4	72	12.6	337.6	748	925	
950	24.6	90	18.8	356.0	526	23.6	93	18.3	353.1	538	22.6	89	16.3	346.6	545	23.3	71	13.5	339.8	515	950	
975	25.7	89	19.4	356.2	296	24.8	87	17.8	350.7	309	24.0	85	16.6	346.3	317	25.9	62	13.6	340.5	287	975	
1000	26.8	88	19.9	356.4	72	25.9	81	17.3	348.1	85	25.4	81	16.7	345.9	94	28.9	50	12.7	339.2	62	1000	
SFC.	27.1	88	20.1	356.5	0	26.3	79	17.1	347.1	0	26.0	79	16.8	345.7	0	29.7	47	12.3	338.5	0	SFC.	
				SURFACE PRESSURE	1008.1				SURFACE PRESSURE	1009.7				SURFACE PRESSURE	1010.7				SURFACE PRESSURE	1007.0		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

3/23 830 GMT						3/23 1115 GMT						3/23 1445 GMT						3/23 1830 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-66.1	0	0.0	463.0	19473	-67.8	0	0.0	459.2	19479	-67.5	0	0.0	459.8	19461	-66.2	0	0.0	462.7	19506	60		
70	-65.8	0	0.0	443.6	18537	-67.6	0	0.0	439.8	18552	-70.7	28	.0	433.3	18539	-67.3	0	0.0	440.4	18574	70		
80	-70.8	19	.0	416.8	17732	-72.1	17	.0	414.0	17753	-74.5	29	.0	409.1	17754	-74.6	0	0.0	408.8	17784	80		
90	-77.7	20	.0	389.2	17047	-77.6	18	.0	389.4	17071	-76.2	29	.0	392.2	17074	-77.4	18	.0	389.9	17104	90		
100	-77.7	20	.0	377.6	16444	-76.7	18	.0	379.6	16466	-75.2	29	.0	382.5	16465	-75.4	18	.0	382.1	16497	100		
110	-75.4	20	.0	371.8	15895	-79.1	18	.0	364.8	15918	-78.8	29	.0	365.4	15917	-75.3	19	.0	371.9	15945	110		
120	-78.9	20	.0	356.3	15396	-78.6	17	.0	356.8	15425	-77.2	30	.0	359.4	15420	-74.7	20	.0	364.0	15441	120		
130	-75.6	20	.0	354.0	14937	-75.5	17	.0	354.3	14965	-74.2	30	.0	356.6	14957	-72.8	19	.0	359.1	14973	130		
140	-72.3	20	.0	352.5	14505	-72.6	17	.0	351.9	14533	-71.1	29	.0	354.6	14522	-71.3	18	.0	354.2	14537	140		
150	-71.9	20	.0	346.2	14099	-69.4	17	.0	350.6	14125	-68.2	29	.0	352.6	14111	-68.4	18	.0	352.3	14126	150		
160	-68.2	20	.0	346.1	13715	-66.2	17	.0	349.6	13737	-65.5	29	.0	350.8	13721	-65.4	18	.0	351.0	13737	160		
170	-64.8	19	.0	345.9	13348	-63.1	16	.0	348.7	13367	-63.0	28	.0	349.0	13350	-62.5	18	.0	349.7	13365	170		
180	-61.5	19	.0	345.6	12997	-60.3	16	.0	347.7	13013	-60.3	28	.0	347.8	12996	-59.9	18	.0	348.4	13010	180		
190	-58.5	18	.0	345.3	12659	-57.6	16	.0	346.7	12674	-57.3	27	.0	347.3	12657	-57.3	18	.0	347.2	12671	190		
200	-55.5	18	.0	344.9	12334	-54.8	16	.0	346.0	12348	-54.4	27	.0	346.8	12330	-54.9	18	.0	345.9	12345	200		
225	-48.8	17	.0	343.8	11572	-48.1	15	.0	345.0	11583	-48.1	28	.1	345.1	11565	-48.4	18	.0	344.6	11580	225		
250	-42.8	17	.1	342.6	10871	-42.0	15	.1	343.9	10879	-42.5	31	.1	343.3	10862	-42.5	19	.1	343.1	10878	250		
275	-37.4	16	.1	341.4	10220	-36.5	14	.1	342.7	10226	-37.1	43	.2	342.4	10211	-36.4	33	.2	343.3	10226	275		
300	-32.4	23	.2	340.6	9613	-33.6	60	.4	339.8	9619	-34.2	65	.5	339.0	9605	-33.4	35	.3	339.4	9619	300		
325	-29.7	35	.3	337.2	9047	-29.3	38	.4	337.9	9053	-30.4	68	.6	337.3	9040	-29.2	40	.4	338.1	9052	325		
350	-25.9	55	.7	336.7	8514	-25.7	37	.5	336.1	8520	-26.4	72	.9	336.5	8509	-25.3	45	.6	337.0	8519	350		
375	-23.5	29	.4	332.2	8011	-22.3	35	.6	334.3	8016	-22.5	74	1.2	336.3	8006	-21.6	45	.8	336.0	8014	375		
400	-20.5	40	.7	331.1	7537	-19.2	34	.7	332.7	7539	-19.0	69	1.5	335.5	7529	-18.0	36	.8	334.7	7535	400		
425	-16.7	47	1.2	331.7	7085	-15.8	31	.8	331.6	7085	-15.5	47	1.3	333.6	7074	-14.7	38	1.1	334.0	7079	425		
450	-13.9	39	1.1	329.7	6653	-12.6	27	.9	330.6	6651	-12.7	52	1.7	333.1	6640	-11.7	39	1.4	333.4	6643	450		
475	-11.7	37	1.2	327.8	6240	-9.6	24	.9	329.5	6236	-9.9	46	1.8	331.7	6225	-8.8	41	1.7	333.0	6227	475		
500	-8.8	59	2.3	330.2	5845	-6.9	31	1.4	329.7	5838	-7.1	48	2.1	331.7	5827	-6.5	46	2.1	332.4	5827	500		
525	-6.0	82	3.9	333.9	5465	-5.1	73	3.7	334.4	5455	-4.9	57	2.9	332.1	5445	-5.4	58	2.8	331.3	5445	525		
550	-3.6	59	3.1	330.2	5098	-3.2	80	4.4	334.6	5088	-3.2	72	3.9	333.1	5077	-3.3	61	3.3	331.0	5078	550		
575	-.9	51	3.2	329.4	4744	-1.4	73	4.4	332.5	4734	-.3	65	4.2	333.4	4723	-1.0	61	3.8	331.0	4725	575		
600	.3	67	4.3	330.3	4403	-.1	83	5.2	332.5	4394	1.9	59	4.3	332.2	4381	1.2	57	4.0	330.4	4383	600		
625	2.3	78	5.6	332.7	4075	2.8	76	5.7	333.6	4065	3.7	60	4.8	331.8	4050	2.7	58	4.3	329.2	4054	625		
650	4.7	81	6.7	335.2	3756	3.7	95	7.3	335.6	3746	5.4	68	5.9	333.4	3730	3.7	75	5.8	331.2	3735	650		
675	6.5	72	6.5	333.0	3446	6.3	86	7.7	336.1	3437	6.9	74	6.9	334.8	3420	5.4	64	5.3	328.2	3427	675		
700	8.3	73	7.2	333.7	3146	8.8	78	7.9	336.4	3137	8.9	64	6.5	332.4	3120	7.7	63	5.9	329.3	3128	700		
725	10.5	81	8.9	337.9	2854	11.2	70	8.1	336.4	2845	11.3	65	7.6	335.0	2828	9.9	58	6.1	329.1	2838	725		
750	12.1	75	8.9	336.6	2570	12.4	69	8.4	335.6	2560	12.5	64	7.8	334.0	2543	12.0	40	4.7	324.3	2555	750		
775	13.2	76	9.3	335.9	2295	13.6	69	8.7	334.6	2284	13.0	76	9.3	335.5	2267	13.2	47	5.8	326.0	2279	775		
800	15.1	63	8.6	332.9	2026	12.8	98	11.5	338.3	2016	14.2	86	11.0	338.8	1999	14.2	62	7.9	329.9	2011	800		
825	17.0	57	8.5	332.1	1764	15.0	94	12.2	340.0	1755	15.7	88	12.0	340.3	1737	15.4	70	9.4	332.6	1751	825		
850	18.4	66	10.4	336.2	1508	17.1	89	13.0	341.7	1500	17.2	89	13.0	341.9	1482	17.0	67	9.7	332.6	1496	850		
875	20.1	76	13.0	342.7	1258	18.7	89	14.0	343.7	1251	18.6	90	14.1	343.6	1233	18.6	65	10.0	332.6	1248	875		
900	21.6	79	14.5	345.9	1014	20.2	91	15.2	346.1	1008	19.9	92	15.1	345.5	990	20.2	62	10.3	332.5	1005	900		
925	21.7	77	13.7	341.0	775	21.6	93	16.5	348.5	770	21.3	92	16.2	347.3	752	21.6	61	10.7	332.7	767	925		
950	22.4	87	15.8	344.8	542	22.9	95	17.8	351.1	536	22.9	90	16.9	348.6	519	22.5	77	14.2	340.6	535	950		
975	23.9	87	16.8	346.9	315	24.8	89	18.2	351.9	308	24.5	87	17.6	349.8	291	24.3	81	16.1	345.4	307	975		
1000	26.0	78	16.8	346.8	92	26.8	81	18.2	351.8	84	26.0	85	18.3	351.0	67	26.5	77	16.9	347.9	84	1000		
SFC.	26.8	75	16.7	346.6	0	27.5	78	18.2	351.6	0	26.5	84	18.5	351.3	0	27.3	75	17.2	348.8	0	SFC.		
				SURFACE PRESSURE	1010.4				SURFACE PRESSURE	1009.5				SURFACE PRESSURE	1007.6				SURFACE PRESSURE	1009.5			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

3/23 2358 GMT						3/24 3 7 GMT					3/24 645 GMT					3/24 915 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-65.1	0	0.0	465.2	19502	-67.2	0	0.0	460.5	19494	-69.2	49	.0	456.2	19439	-68.2	0	0.0	458.3	19505	60	
70	-65.4	0	0.0	444.4	18563	-66.9	0	0.0	441.2	18563	-71.0	49	.0	432.7	18522	-69.6	25	.0	435.6	18585	70	
80	-71.2	0	0.0	415.8	17761	-72.4	0	0.0	413.4	17766	-74.0	49	.0	410.3	17735	-70.4	25	.0	417.6	17789	80	
90	-78.2	19	.0	388.3	17078	-76.6	30	.0	391.4	17083	-73.5	50	.0	397.6	17049	-71.4	25	.0	401.8	17093	90	
100	-77.5	19	.0	378.0	16475	-75.7	31	.0	381.5	16475	-78.7	50	.0	375.6	16442	-78.2	25	.0	376.7	16478	100	
110	-74.0	19	.0	374.4	15924	-77.7	31	.0	367.6	15925	-79.4	50	.0	364.2	15900	-80.1	26	.0	362.9	15936	110	
120	-74.5	19	.0	364.4	15417	-78.5	31	.0	356.9	15430	-78.9	50	.0	356.3	15407	-78.1	26	.0	357.7	15443	120	
130	-74.2	19	.0	356.5	14952	-75.6	31	.0	354.1	14971	-76.7	50	.0	352.1	14949	-75.3	26	.0	354.7	14982	130	
140	-71.9	19	.0	353.3	14517	-72.9	32	.0	351.5	14539	-73.7	50	.0	350.0	14520	-72.7	26	.0	351.8	14550	140	
150	-69.6	19	.0	350.2	14108	-70.3	32	.0	349.0	14132	-70.5	50	.0	348.7	14113	-70.3	26	.0	349.1	14143	150	
160	-66.8	19	.0	348.6	13721	-67.5	32	.0	347.5	13746	-67.5	50	.0	347.4	13728	-67.1	26	.0	348.1	13756	160	
170	-63.9	19	.0	347.4	13352	-64.3	33	.0	346.7	13378	-64.9	51	.0	345.9	13360	-63.8	26	.0	347.6	13388	170	
180	-61.2	19	.0	346.2	13000	-61.4	34	.0	346.0	13026	-62.3	52	.0	344.5	13009	-60.8	26	.0	346.9	13035	180	
190	-58.6	19	.0	345.1	12662	-58.5	34	.0	345.3	12688	-59.6	52	.0	343.5	12673	-57.9	26	.0	346.3	12696	190	
200	-56.2	19	.0	343.9	12338	-55.4	34	.0	345.2	12363	-57.0	52	.0	342.7	12351	-55.2	25	.0	345.5	12371	200	
225	-49.1	19	.0	343.4	11578	-48.4	34	.1	344.6	11600	-50.9	52	.1	340.9	11595	-49.5	21	.0	342.8	11609	225	
250	-42.7	20	.1	342.9	10876	-42.2	35	.1	343.9	10897	-44.0	50	.2	341.4	10898	-43.7	18	.1	341.3	10910	250	
275	-37.7	30	.2	341.3	10225	-36.7	41	.2	343.0	10245	-38.2	63	.3	341.1	10251	-38.2	16	.1	340.3	10262	275	
300	-32.9	32	.3	340.1	9619	-31.4	44	.4	342.7	9636	-33.0	62	.5	340.8	9645	-33.2	16	.1	339.2	9657	300	
325	-28.4	34	.4	339.0	9051	-26.4	47	.6	342.8	9063	-27.8	71	.9	341.6	9076	-28.6	16	.2	338.0	9089	325	
350	-24.3	35	.5	338.1	8515	-22.9	54	.9	341.4	8523	-24.4	74	1.1	340.0	8540	-24.4	15	.2	336.9	8554	350	
375	-20.4	37	.7	337.3	8008	-19.6	75	1.6	341.4	8014	-21.2	77	1.4	338.7	8033	-20.4	15	.3	335.8	8047	375	
400	-17.4	39	1.0	335.9	7527	-16.3	76	2.0	341.1	7532	-18.2	79	1.8	337.7	7554	-17.4	94	2.3	340.4	7566	400	
425	-14.5	34	1.0	334.0	7070	-12.9	86	2.9	342.4	7072	-14.6	85	2.5	338.9	7097	-14.3	96	2.9	340.5	7109	425	
450	-12.0	25	.9	331.3	6636	-10.7	81	3.1	340.3	6634	-11.1	91	3.3	340.5	6661	-11.3	98	3.5	340.8	6672	450	
475	-8.7	28	1.1	331.3	6219	-8.7	76	3.2	337.9	6216	-8.9	93	3.8	339.7	6243	-8.9	96	3.9	340.1	6254	475	
500	-5.9	38	1.9	332.3	5819	-6.1	66	3.2	336.4	5816	-7.0	94	4.3	338.5	5844	-7.5	85	3.7	336.1	5856	500	
525	-5.5	51	2.4	330.0	5437	-3.9	78	4.2	337.6	5432	-5.2	95	4.7	337.5	5462	-3.9	98	5.4	341.1	5472	525	
550	-3.3	51	2.8	329.3	5071	-2.3	86	5.0	337.6	5063	-3.2	89	4.9	335.9	5094	-2.4	98	5.8	339.8	5103	550	
575	-1.2	50	3.1	328.7	4717	-7.7	93	5.9	337.8	4708	-1.0	69	4.3	332.7	4740	-.9	99	6.2	338.5	4748	575	
600	.8	50	3.4	328.1	4377	.8	99	6.7	338.0	4366	-.4	98	6.1	334.6	4400	.6	98	6.6	337.4	4407	600	
625	2.7	52	3.9	328.0	4047	2.3	99	7.2	337.3	4037	1.3	91	6.2	333.1	4071	3.2	80	6.2	335.4	4076	625	
650	4.4	62	5.0	329.7	3728	3.8	99	7.7	336.8	3718	3.3	83	6.2	332.0	3754	5.7	62	5.5	332.7	3756	650	
675	6.6	45	4.1	326.1	3420	5.4	97	8.2	336.5	3409	5.8	73	6.3	331.7	3446	7.6	64	6.2	333.6	3446	675	
700	8.6	43	4.3	325.6	3120	7.2	94	8.6	336.4	3110	8.3	64	6.3	331.0	3146	9.8	62	6.7	334.2	3145	700	
725	10.6	40	4.4	325.0	2828	9.0	90	9.0	336.3	2820	10.6	55	6.1	329.8	2855	11.3	58	6.8	332.6	2852	725	
750	11.3	51	5.7	326.2	2546	10.6	87	9.4	336.1	2537	12.8	50	6.2	329.5	2571	12.7	61	7.5	333.1	2568	750	
775	11.9	69	7.8	330.0	2271	12.3	84	9.7	335.9	2262	14.7	50	6.9	330.6	2294	13.2	65	8.0	332.2	2292	775	
800	13.4	73	8.9	331.7	2004	13.9	80	10.1	335.6	1995	16.6	51	7.5	331.8	2025	13.1	70	8.4	329.9	2024	800	
825	15.2	69	9.2	331.7	1744	15.2	83	11.1	337.1	1734	18.4	51	8.3	333.1	1762	13.3	77	9.0	328.9	1765	825	
850	16.9	75	10.8	335.3	1489	16.5	87	12.3	339.1	1479	19.1	56	9.2	333.6	1505	15.8	93	12.4	338.6	1512	850	
875	18.3	69	10.5	333.5	1241	17.8	91	13.5	341.2	1231	19.8	61	10.1	334.2	1255	17.8	98	14.5	343.8	1263	875	
900	19.8	65	10.5	332.6	998	19.1	95	14.8	343.4	988	20.5	65	11.0	334.8	1012	19.4	96	15.3	345.2	1021	900	
925	21.5	68	12.0	335.9	761	20.4	96	15.9	345.2	751	21.9	68	12.2	337.0	774	20.9	95	16.1	346.7	783	925	
950	23.1	71	13.5	339.6	528	21.7	97	16.9	347.0	519	23.6	70	13.6	340.3	541	22.5	93	17.0	348.1	550	950	
975	25.5	71	15.1	344.1	300	23.0	98	18.0	348.9	292	23.8	79	15.1	342.1	313	23.9	91	17.8	349.5	323	975	
1000	28.5	66	16.5	349.3	76	24.2	99	19.1	350.8	69	23.9	87	16.6	343.6	91	25.4	90	18.6	350.9	99	1000	
SFC.	29.5	65	17.0	351.1	0	24.6	99	19.5	351.5	0	24.0	91	17.2	344.2	0	26.0	89	19.0	351.6	0	SFC.	
				SURFACE PRESSURE	1008.5				SURFACE PRESSURE	1007.9				SURFACE PRESSURE	1010.4				SURFACE PRESSURE	1011.3		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

3/24 1155 GMT					3/24 1847 GMT					3/25 045 GMT					3/25 6 0 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	T	RH	W	EPT	H	P
60	-68.1	0	0.0	458.5	19412	-58.0	0	0.0	481.1	19632	0.0	0	0.0	0.0	0	-64.9	0	0.0	465.6	19469	60	
70	-71.5	0	0.0	431.4	18494	-68.1	15	.0	438.8	18684	0.0	0	0.0	0.0	0	-70.0	36	.0	434.8	18536	70	
80	-74.5	0	0.0	409.2	17711	-69.0	16	.0	420.4	17884	0.0	0	0.0	0.0	0	-75.0	37	.0	408.0	17753	80	
90	-74.2	33	.0	396.2	17025	-69.9	17	.0	404.8	17181	0.0	0	0.0	0.0	0	-75.6	38	.0	393.3	17072	90	
100	-78.9	34	.0	375.3	16418	-76.4	17	.0	380.1	16561	-76.4	17	.0	380.1	16526	-75.3	37	.0	382.3	16462	100	
110	-80.0	34	.0	363.2	15878	-78.5	17	.0	366.0	16017	-76.6	18	.0	369.5	15975	-75.0	37	.0	372.6	15909	110	
120	-79.2	33	.0	355.7	15385	-76.4	17	.0	360.9	15519	-74.8	18	.0	363.8	15473	-74.7	37	.0	363.9	15404	120	
130	-76.5	32	.0	352.4	14928	-72.8	17	.0	359.2	15054	-72.5	17	.0	359.7	15005	-74.4	38	.0	356.2	14939	130	
140	-72.8	32	.0	351.5	14498	-69.4	17	.0	357.6	14615	-70.1	17	.0	356.4	14567	-71.7	38	.0	353.5	14505	140	
150	-69.4	32	.0	350.6	14089	-66.6	17	.0	355.4	14201	-67.1	17	.0	354.5	14154	-69.0	38	.0	351.4	14095	150	
160	-67.3	33	.0	347.7	13702	-64.5	17	.0	352.5	13808	-64.3	17	.0	352.7	13762	-66.4	39	.0	349.3	13706	160	
170	-64.9	33	.0	345.7	13335	-62.5	17	.0	349.7	13436	-61.7	17	.0	351.0	13389	-63.9	39	.0	347.4	13337	170	
180	-61.8	34	.0	345.2	12984	-59.9	17	.0	348.4	13081	-59.3	17	.0	349.3	13033	-61.6	39	.0	345.5	12985	180	
190	-58.9	34	.0	344.6	12647	-57.2	16	.0	347.3	12741	-57.0	17	.0	347.6	12692	-58.9	39	.0	344.6	12648	190	
200	-56.2	35	.0	344.0	12323	-54.6	16	.0	346.4	12415	-54.8	17	.0	346.0	12366	-56.2	39	.0	343.9	12324	200	
225	-49.9	32	.1	342.3	11564	-48.2	16	.0	344.8	11650	-47.7	16	.0	345.6	11601	-50.0	40	.1	342.1	11565	225	
250	-44.4	26	.1	340.3	10866	-42.5	16	.1	343.2	10947	-41.1	16	.1	345.2	10895	-44.1	36	.1	341.0	10868	250	
275	-39.5	21	.1	338.4	10221	-37.0	16	.1	342.0	10296	-37.0	22	.1	342.2	10242	-38.3	35	.2	340.5	10220	275	
300	-35.0	16	.1	336.5	9620	-31.5	17	.2	341.6	9687	-31.9	21	.2	341.3	9634	-33.5	51	.4	339.7	9615	300	
325	-29.9	23	.2	336.3	9056	-27.6	20	.2	339.6	9116	-26.9	18	.2	340.6	9062	-29.2	67	.7	339.2	9049	325	
350	-25.3	29	.4	336.3	8523	-23.8	31	.5	338.6	8579	-24.2	30	.5	337.9	8525	-26.2	91	1.2	337.7	8516	350	
375	-20.9	36	.7	336.5	8017	-20.3	40	.8	337.8	8072	-20.5	33	.7	337.0	8018	-23.2	85	1.3	335.7	8014	375	
400	-18.0	91	2.1	339.0	7537	-16.4	28	.7	336.5	7590	-17.0	32	.8	335.9	7537	-18.8	27	.6	332.8	7538	400	
425	-14.8	88	2.5	338.7	7081	-12.5	29	1.0	336.6	7130	-14.4	24	.7	333.1	7080	-15.2	12	.3	330.7	7083	425	
450	-12.2	91	3.0	338.1	6646	-8.9	30	1.3	336.9	6691	-11.4	15	.5	330.9	6644	-11.8	14	.5	330.2	6648	450	
475	-9.9	99	3.8	338.1	6230	-6.0	34	1.7	336.7	6269	-8.9	25	1.0	330.6	6228	-8.6	16	.7	329.8	6232	475	
500	-7.8	99	4.2	337.4	5832	-5.2	47	2.4	334.9	5867	-6.6	35	1.6	330.7	5829	-6.8	55	2.5	333.3	5832	500	
525	-5.7	99	4.7	336.9	5450	-4.1	55	3.0	333.5	5483	-4.5	44	2.3	330.8	5446	-5.1	74	3.7	334.5	5450	525	
550	-3.7	99	5.3	336.5	5083	-1.8	53	3.2	332.7	5114	-3.4	52	2.8	329.4	5078	-3.0	69	3.8	333.0	5082	550	
575	-1.8	99	5.8	336.2	4730	-1.0	64	3.9	331.5	4759	-1.0	53	3.3	329.5	4725	-.7	51	3.3	329.9	4729	575	
600	.2	93	6.0	335.3	4390	.8	67	4.5	331.5	4418	1.5	52	3.7	329.9	4383	.3	58	3.8	328.6	4388	600	
625	2.6	74	5.4	332.5	4060	3.2	66	5.1	332.1	4089	2.6	47	3.5	326.6	4054	2.7	44	3.2	325.9	4059	625	
650	4.6	71	5.8	332.2	3741	5.4	65	5.6	332.7	3769	5.0	47	4.0	327.3	3735	5.0	42	3.5	325.9	3740	650	
675	5.7	85	7.3	334.4	3432	7.0	63	5.8	331.7	3459	7.4	47	4.5	328.2	3425	7.2	47	4.4	327.7	3430	675	
700	8.4	79	7.8	335.5	3133	9.4	60	6.3	332.5	3158	9.7	47	5.1	329.1	3124	8.7	40	4.0	324.9	3130	700	
725	10.2	73	7.9	334.6	2841	12.2	57	7.0	334.4	2865	11.9	47	5.7	330.1	2832	10.0	45	4.8	325.3	2839	725	
750	11.7	72	8.3	334.2	2558	14.1	58	7.8	335.8	2580	13.0	51	6.4	330.5	2547	11.1	59	6.6	328.7	2556	750	
775	13.7	71	9.1	335.8	2282	14.3	67	8.9	336.0	2302	13.3	59	7.3	330.2	2271	12.3	73	8.4	332.2	2282	775	
800	14.3	74	9.5	334.7	2013	14.8	73	9.8	336.0	2033	14.8	66	8.8	333.3	2003	13.3	86	10.4	335.9	2014	800	
825	14.9	77	10.0	333.6	1752	16.0	74	10.3	336.0	1772	14.2	76	9.4	331.2	1742	15.0	84	11.0	336.6	1754	825	
850	15.9	78	10.5	333.4	1499	17.2	75	10.9	336.2	1517	15.9	75	10.1	332.3	1489	16.9	77	11.1	336.2	1499	850	
875	17.8	76	11.3	335.0	1251	18.3	76	11.5	336.3	1268	17.8	73	10.8	333.7	1241	18.7	71	11.0	335.4	1251	875	
900	19.7	74	12.0	336.5	1008	19.4	77	12.1	336.5	1026	19.5	67	10.6	332.5	999	20.1	72	12.0	337.0	1008	900	
925	21.5	72	12.7	338.1	771	21.4	83	14.6	343.0	788	21.1	61	10.5	331.3	762	21.2	81	14.0	341.1	770	925	
950	23.0	73	13.8	340.1	538	23.0	82	15.5	344.6	555	22.1	61	10.9	331.1	530	22.3	89	16.0	345.4	538	950	
975	23.9	81	15.6	343.6	310	24.5	78	15.7	344.5	328	23.1	62	11.3	330.9	303	24.0	88	17.3	348.3	310	975	
1000	24.7	88	17.5	347.1	88	27.3	76	17.6	350.6	104	26.4	68	14.8	342.0	81	26.2	82	17.7	349.6	87	1000	
SFC.	25.0	91	18.3	348.5	0	28.5	75	18.5	353.5	0	28.5	72	17.8	351.8	0	27.0	79	17.8	350.0	0	SFC.	
				SURFACE PRESSURE	1010.0				SURFACE PRESSURE	1011.7				SURFACE PRESSURE	1009.2				SURFACE PRESSURE	1009.8		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

3/25 1125 GMT					3/25 1818 GMT					3/25 2337 GMT					3/26 620 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-65.4	0	0.0	464.6	19518	-59.9	0	0.0	476.8	19512	-62.4	0	0.0	471.2	19573	-64.5	0	0.0	466.5	19507	60	
70	-67.7	0	0.0	439.6	18586	-69.6	14	.0	435.5	18578	-68.1	0	0.0	438.6	18635	-71.8	26	.0	430.9	18575	70	
80	-75.4	25	.0	407.3	17796	-71.2	15	.0	415.9	17785	-71.3	15	.0	415.7	17839	-74.2	27	.0	409.8	17789	80	
90	-76.0	25	.0	392.6	17115	-73.4	15	.0	397.8	17091	-74.5	16	.0	395.6	17148	-76.5	28	.0	391.6	17107	90	
100	-76.5	25	.0	380.0	16507	-76.3	15	.0	380.3	16479	-75.0	16	.0	382.9	16538	-77.3	25	.0	378.4	16499	100	
110	-73.8	25	.0	374.8	15955	-74.1	16	.0	374.2	15926	-72.5	16	.0	377.3	15982	-75.1	25	.0	372.3	15949	110	
120	-75.5	25	.0	362.4	15448	-73.9	16	.0	365.4	15419	-73.3	15	.0	366.6	15471	-74.7	25	.0	364.0	15443	120	
130	-75.1	24	.0	355.0	14985	-75.4	16	.0	354.5	14954	-74.0	15	.0	357.0	15004	-74.7	24	.0	355.7	14978	130	
140	-72.0	25	.0	353.0	14552	-72.4	17	.0	352.3	14522	-70.4	15	.0	355.8	14568	-72.2	24	.0	352.6	14545	140	
150	-68.3	24	.0	352.5	14142	-68.8	17	.0	351.5	14112	-67.1	15	.0	354.5	14155	-69.3	25	.0	350.7	14136	150	
160	-65.1	23	.0	351.4	13751	-65.5	16	.0	350.7	13723	-64.0	15	.0	353.3	13762	-66.6	25	.0	348.9	13749	160	
170	-63.3	23	.0	348.5	13380	-62.4	16	.0	349.9	13352	-62.0	15	.0	350.6	13389	-62.8	25	.0	349.2	13378	170	
180	-61.5	23	.0	345.7	13027	-60.5	16	.0	347.3	12997	-60.7	15	.0	347.0	13034	-59.6	25	.0	348.8	13024	180	
190	-58.5	23	.0	345.3	12690	-59.3	17	.0	343.9	12659	-57.9	15	.0	346.1	12696	-57.6	25	.0	346.7	12684	190	
200	-55.6	24	.0	344.9	12365	-56.4	16	.0	343.6	12336	-55.3	16	.0	345.3	12370	-55.8	24	.0	344.6	12359	200	
225	-48.9	25	.0	343.8	11603	-49.6	15	.0	342.6	11577	-48.9	16	.0	343.7	11608	-49.4	23	.0	343.0	11599	225	
250	-43.0	26	.1	342.6	10902	-43.6	14	.0	341.4	10878	-42.9	16	.1	342.5	10907	-43.0	22	.1	342.5	10899	250	
275	-37.6	27	.1	341.4	10252	-39.0	16	.1	339.1	10231	-37.5	15	.1	341.3	10257	-36.9	20	.1	342.2	10248	275	
300	-32.5	26	.2	340.5	9645	-33.9	19	.1	338.2	9628	-32.5	15	.1	340.1	9650	-31.5	19	.2	341.8	9639	300	
325	-27.5	25	.3	340.0	9075	-29.2	21	.2	337.3	9061	-28.3	19	.2	338.6	9081	-27.3	20	.3	340.1	9067	325	
350	-23.0	23	.4	339.4	8537	-25.0	24	.3	336.4	8527	-24.4	24	.4	337.3	8545	-23.8	22	.4	338.1	8530	350	
375	-21.1	54	1.0	337.4	8030	-21.4	28	.5	335.3	8022	-20.7	27	.5	336.2	8038	-20.5	24	.5	336.3	8022	375	
400	-18.2	76	1.7	337.5	7550	-18.0	32	.7	334.4	7543	-17.3	31	.8	335.3	7558	-18.2	33	.8	334.1	7542	400	
425	-14.9	56	1.6	335.5	7094	-14.2	17	.5	332.6	7086	-13.2	23	.8	334.8	7100	-14.7	39	1.1	334.2	7086	425	
450	-12.3	70	2.3	335.7	6659	-12.7	17	.5	329.3	6652	-10.5	19	.7	332.8	6662	-11.4	41	1.5	334.1	6651	450	
475	-10.3	74	2.7	334.4	6244	-9.5	15	.6	328.5	6237	-8.0	16	.7	330.7	6244	-8.5	33	1.4	332.5	6234	475	
500	-8.0	59	2.5	331.6	5847	-7.0	24	1.1	328.3	5839	-5.5	14	.7	329.0	5844	-5.7	26	1.3	330.6	5834	500	
525	-6.2	99	4.5	335.7	5466	-5.5	44	2.1	329.0	5457	-3.0	20	1.2	329.0	5459	-5.1	42	2.1	329.4	5451	525	
550	-2.9	60	3.4	331.7	5099	-3.0	37	2.1	327.5	5090	-.7	26	1.7	329.2	5089	-3.1	46	2.5	328.9	5084	550	
575	-.9	46	2.9	328.4	4745	-.3	25	1.6	325.2	4736	1.3	29	2.1	328.6	4733	-1.2	50	3.0	328.6	4730	575	
600	.1	74	4.7	331.3	4405	1.4	35	2.4	325.8	4395	1.5	46	3.2	328.5	4390	.1	83	5.4	333.2	4389	600	
625	2.8	65	4.9	331.1	4075	2.9	48	3.6	327.4	4065	3.5	54	4.2	330.1	4060	1.9	87	6.1	333.5	4061	625	
650	5.4	57	4.9	330.5	3756	4.7	51	4.2	327.5	3746	5.3	41	3.5	326.3	3741	3.9	72	5.6	330.9	3742	650	
675	7.4	51	4.9	329.4	3446	6.9	41	3.8	325.7	3437	7.7	46	4.5	328.5	3431	7.0	33	3.1	323.5	3433	675	
700	8.9	48	4.9	327.8	3146	8.9	42	4.2	325.7	3137	9.4	48	5.1	328.8	3130	8.7	45	4.6	326.5	3134	700	
725	10.3	54	5.9	328.9	2854	10.7	44	4.9	326.3	2845	10.9	45	5.0	327.2	2838	10.7	66	7.3	333.7	2842	725	
750	11.8	72	8.3	334.5	2571	12.0	50	5.9	327.7	2562	12.0	58	6.8	330.4	2554	11.1	63	7.0	329.8	2559	750	
775	13.5	75	9.5	336.7	2295	12.7	62	7.4	329.9	2287	13.0	71	8.7	333.8	2279	12.8	73	8.7	333.7	2284	775	
800	15.2	78	10.6	338.8	2026	14.2	66	8.4	331.2	2019	14.0	67	8.4	331.1	2011	14.4	74	9.5	334.8	2015	800	
825	16.4	81	11.6	340.1	1764	15.6	69	9.3	332.7	1758	15.3	68	9.0	331.4	1750	15.9	68	9.4	333.2	1754	825	
850	17.5	85	12.7	341.4	1508	16.9	71	10.2	333.9	1503	16.9	72	10.3	334.0	1496	16.6	83	11.6	337.3	1499	850	
875	18.6	88	13.7	342.8	1259	17.8	72	10.6	333.2	1255	18.3	74	11.3	335.6	1247	17.2	81	11.5	334.8	1252	875	
900	19.7	92	14.8	344.3	1016	18.6	73	11.1	332.7	1013	19.7	75	12.1	336.8	1005	19.1	79	12.3	336.5	1010	900	
925	21.0	93	15.9	346.1	778	19.7	75	11.9	333.5	777	21.0	69	11.7	334.7	768	21.4	77	13.5	340.0	772	925	
950	23.0	89	16.9	348.6	546	21.4	79	13.5	337.3	546	22.9	64	12.0	334.9	536	23.6	76	14.8	343.6	540	950	
975	25.0	86	17.8	351.0	317	23.7	78	14.9	341.4	319	25.2	63	13.2	338.5	308	25.8	74	16.1	347.3	311	975	
1000	26.9	82	18.7	353.3	93	26.3	74	16.2	345.6	96	27.2	61	14.0	340.7	84	27.9	73	17.4	351.1	86	1000	
SFC.	27.7	81	19.1	354.3	0	27.5	72	16.7	347.4	0	28.0	60	14.3	341.6	0	28.7	72	18.0	352.6	0	SFC.	
				SURFACE PRESSURE	1010.5				SURFACE PRESSURE	1010.9				SURFACE PRESSURE	1009.5				SURFACE PRESSURE	1009.7		



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

P	3/26 1115 GMT				3/26 2350 GMT				3/27 552 GMT				3/27 1150 GMT				P				
	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H						
60	-67.2	0	0.0	460.5	19534	-65.6	0	0.0	464.0	19575	-67.9	0	0.0	458.9	19551	-66.1	0	0.0	463.1	19537	60
70	-71.5	0	0.0	431.5	18611	-70.4	0	0.0	433.7	18648	-69.2	0	0.0	436.4	18624	-71.7	0	0.0	431.0	18612	70
80	-69.0	0	0.0	420.3	17818	-69.8	0	0.0	418.8	17854	-73.0	18	.0	412.2	17833	-74.5	0	0.0	409.2	17830	80
90	-76.6	0	0.0	391.4	17125	-75.7	16	.0	393.1	17166	-76.6	18	.0	391.3	17149	-78.9	16	.0	386.8	17150	90
100	-77.8	20	.0	377.4	16521	-77.0	17	.0	379.0	16558	-78.0	20	.0	377.1	16545	-79.6	16	.0	374.0	16555	100
110	-74.7	19	.0	373.0	15971	-73.1	17	.0	376.2	16005	-74.4	19	.0	373.7	15995	-75.3	16	.0	372.0	16009	110
120	-72.5	19	.0	368.0	15462	-69.5	17	.0	373.5	15491	-71.2	18	.0	370.4	15485	-71.3	15	.0	370.1	15500	120
130	-72.4	19	.0	359.8	14992	-70.0	17	.0	364.1	15013	-70.0	18	.0	364.2	15009	-72.3	15	.0	360.0	15027	130
140	-72.3	19	.0	352.4	14556	-70.0	17	.0	356.5	14572	-70.5	18	.0	355.6	14569	-71.6	15	.0	353.6	14590	140
150	-69.7	19	.0	350.1	14148	-69.3	17	.0	350.7	14162	-68.6	18	.0	351.9	14158	-68.7	15	.0	351.8	14180	150
160	-66.6	18	.0	348.9	13761	-66.2	17	.0	349.6	13774	-66.7	18	.0	348.8	13769	-65.3	15	.0	351.0	13791	160
170	-63.7	18	.0	347.7	13391	-63.2	17	.0	348.6	13403	-63.6	18	.0	347.9	13400	-62.2	15	.0	350.2	13419	170
180	-61.0	18	.0	346.5	13039	-60.4	16	.0	347.5	13050	-60.7	18	.0	347.1	13047	-59.8	15	.0	348.5	13064	180
190	-58.4	17	.0	345.3	12701	-57.7	16	.0	346.4	12711	-57.9	17	.0	346.2	12708	-58.1	16	.0	345.9	12725	190
200	-56.0	17	.0	344.2	12376	-55.2	16	.0	345.4	12385	-55.3	17	.0	345.4	12383	-55.4	15	.0	345.1	12399	200
225	-49.2	17	.0	343.3	11616	-48.8	15	.0	343.9	11623	-48.7	16	.0	344.0	11620	-49.0	13	.0	343.6	11638	225
250	-43.1	17	.1	342.2	10915	-42.9	14	.0	342.5	10921	-43.3	15	.0	341.9	10919	-42.9	12	.0	342.4	10937	250
275	-37.6	18	.1	341.1	10265	-36.8	14	.1	342.3	10270	-38.4	14	.1	339.9	10271	-37.5	11	.1	341.2	10286	275
300	-32.6	18	.1	340.0	9659	-31.1	14	.1	342.2	9660	-33.3	14	.1	338.9	9666	-32.5	10	.1	340.0	9680	300
325	-28.0	18	.2	338.9	9090	-26.6	14	.2	340.8	9088	-28.5	14	.2	338.1	9098	-27.7	10	.1	339.0	9110	325
350	-23.8	18	.3	337.9	8553	-22.4	15	.3	339.6	8548	-24.0	13	.2	337.3	8562	-23.2	10	.2	338.2	8572	350
375	-20.3	23	.5	336.5	8045	-18.6	15	.4	338.4	8037	-19.8	13	.3	336.5	8055	-19.5	10	.2	336.6	8063	375
400	-17.1	27	.7	335.3	7564	-16.3	16	.4	335.5	7554	-15.9	13	.4	335.7	7572	-16.9	14	.4	334.4	7581	400
425	-14.7	46	1.3	334.9	7108	-13.2	17	.6	334.1	7095	-13.0	13	.4	333.9	7113	-15.3	24	.7	331.9	7124	425
450	-11.4	49	1.7	335.0	6672	-10.6	21	.8	332.8	6657	-10.2	12	.5	332.2	6675	-11.9	27	.9	331.5	6690	450
475	-8.2	27	1.2	331.9	6255	-9.4	28	1.1	330.3	6241	-8.9	49	2.0	333.9	6257	-8.6	28	1.2	331.6	6273	475
500	-5.8	17	.8	329.0	5855	-6.1	23	1.1	329.6	5842	-5.8	25	1.3	330.4	5857	-5.5	30	1.5	331.7	5873	500
525	-3.6	23	1.3	328.6	5471	-2.5	17	1.0	329.1	5458	-3.3	26	1.5	329.7	5473	-2.5	32	1.9	332.1	5488	525
550	-1.6	33	2.0	329.0	5102	-1.5	20	1.2	326.6	5088	-.9	27	1.8	329.1	5104	.4	33	2.4	332.6	5117	550
575	.3	42	2.8	329.8	4746	.6	19	1.3	325.4	4733	1.3	28	2.1	328.6	4747	1.5	51	3.7	334.0	4759	575
600	2.1	51	3.8	330.8	4404	2.2	27	2.0	325.5	4390	3.5	29	2.4	328.2	4403	2.6	40	3.0	329.1	4416	600
625	3.1	68	5.2	332.6	4073	4.8	29	2.5	326.2	4059	5.5	30	2.7	327.9	4071	5.4	39	3.5	330.0	4084	625
650	6.4	26	2.4	324.2	3753	7.2	31	3.1	327.2	3738	6.8	73	6.9	338.2	3749	7.3	50	4.9	332.9	3762	650
675	7.6	33	3.1	324.3	3443	9.1	33	3.5	327.1	3426	9.9	28	3.1	326.9	3437	9.1	25	2.6	324.5	3450	675
700	8.9	46	4.7	327.1	3143	9.8	43	4.7	328.3	3125	11.8	15	1.9	321.9	3134	9.8	52	5.7	331.0	3149	700
725	10.2	59	6.3	330.1	2851	10.8	44	5.0	326.9	2833	10.6	85	9.5	339.6	2842	10.8	86	9.7	340.6	2856	725
750	11.4	71	8.1	333.4	2568	12.2	57	6.7	330.4	2549	12.2	84	10.1	340.1	2558	13.1	82	10.4	342.2	2571	750
775	12.7	83	9.9	336.9	2293	13.8	57	7.4	331.0	2273	13.8	84	10.7	340.6	2281	15.3	78	11.1	343.7	2294	775
800	14.2	85	10.9	338.3	2025	15.2	60	8.1	331.7	2004	15.2	83	11.4	341.1	2012	14.6	89	11.8	341.4	2023	800
825	15.7	87	11.9	339.9	1763	15.7	67	9.2	332.2	1743	16.4	85	12.2	341.6	1750	16.5	90	13.0	344.0	1761	825
850	17.1	89	12.9	341.5	1508	16.4	73	10.0	332.7	1489	17.5	87	12.9	342.2	1494	18.3	91	14.3	346.8	1505	850
875	18.5	91	14.0	343.3	1259	17.8	71	10.5	332.9	1241	18.6	88	13.7	342.8	1245	20.0	92	15.6	349.8	1254	875
900	19.8	92	15.1	345.2	1016	19.3	69	10.9	333.1	999	19.7	90	14.5	343.5	1002	21.7	92	17.0	353.0	1009	900
925	21.1	94	16.3	347.3	778	20.7	68	11.4	333.3	762	21.2	90	15.7	345.7	764	23.3	93	18.5	356.4	770	925
950	23.2	89	17.1	349.4	545	22.6	66	12.1	335.0	530	24.1	87	17.5	351.8	531	24.9	94	20.0	359.9	535	950
975	25.2	85	17.8	351.3	316	24.5	64	12.8	336.8	302	25.1	86	18.1	352.0	302	26.1	89	19.8	358.1	305	975
1000	27.2	80	18.4	353.0	92	27.5	67	15.7	345.9	79	26.1	86	18.7	352.3	78	27.3	84	19.5	356.0	80	1000
SFC.	28.0	78	18.7	353.6	0	29.0	70	17.8	352.6	0	26.5	86	18.9	352.4	0	27.7	82	19.4	355.2	0	SFC.
				SURFACE PRESSURE	1010.4				SURFACE PRESSURE	1008.9				SURFACE PRESSURE	1008.8				SURFACE PRESSURE	1009.0	

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA PALMYRA ISLAND

3/28 135 GMT						3/28 6 8 GMT					3/28 19 8 GMT					3/28 2347 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	0.0	0	0.0	0.0	0	-70.3	20	.0	453.6	19460	-68.3	0	0.0	458.0	19546	0.0	0	0.0	0.0	0	0	60	
70	0.0	0	0.0	0.0	0	-70.5	20	.0	433.6	18545	-71.9	0	0.0	430.6	18630	0.0	0	0.0	0.0	0	0	70	
80	0.0	0	0.0	0.0	0	-75.5	21	.0	407.1	17761	-75.0	0	0.0	408.0	17849	0.0	0	0.0	0.0	0	0	80	
90	0.0	0	0.0	0.0	0	-76.1	20	.0	392.4	17080	-77.1	17	.0	390.5	17169	0.0	0	0.0	0.0	0	0	90	
100	-77.9	18	.0	377.2	16565	-80.0	20	.0	373.2	16483	-78.6	17	.0	376.0	16566	0.0	0	0.0	0.0	0	0	100	
110	-74.8	19	.0	372.9	16015	-77.2	20	.0	368.5	15939	-76.4	17	.0	370.0	16021	0.0	0	0.0	0.0	0	0	110	
120	-73.8	19	.0	365.6	15509	-75.4	20	.0	362.7	15437	-74.0	16	.0	365.2	15516	0.0	0	0.0	0.0	0	0	120	
130	-72.9	19	.0	358.9	15040	-73.8	20	.0	357.4	14972	-72.5	16	.0	359.7	15048	0.0	0	0.0	0.0	0	0	130	
140	-71.1	19	.0	354.5	14604	-72.3	20	.0	352.5	14538	-70.9	16	.0	355.0	14611	0.0	0	0.0	0.0	0	0	140	
150	-68.1	18	.0	352.7	14193	-69.6	20	.0	350.2	14130	-67.8	17	.0	353.3	14199	0.0	0	0.0	0.0	0	0	150	
160	-65.3	18	.0	351.0	13803	-66.4	20	.0	349.3	13742	-64.9	17	.0	351.8	13808	0.0	0	0.0	0.0	0	0	160	
170	-62.5	18	.0	349.7	13432	-63.3	20	.0	348.4	13372	-61.9	17	.0	350.8	13436	0.0	0	0.0	0.0	0	0	170	
180	-59.7	18	.0	348.7	13077	-60.4	20	.0	347.5	13018	-59.0	18	.0	349.7	13080	-58.4	0	0.0	350.7	13092	0	180	
190	-57.0	18	.0	347.7	12736	-57.5	20	.0	346.8	12679	-56.3	18	.0	348.7	12738	-55.9	0	0.0	349.4	12750	0	190	
200	-54.4	18	.0	346.7	12410	-54.8	20	.0	346.2	12353	-53.8	18	.0	347.7	12411	-53.5	0	0.0	348.1	12422	0	200	
225	-48.5	18	.0	344.3	11645	-48.5	21	.0	344.4	11589	-47.6	16	.0	345.8	11643	-46.8	0	0.0	346.8	11653	0	225	
250	-42.7	17	.1	342.8	10943	-43.1	20	.1	342.4	10887	-42.0	14	.1	343.9	10939	-40.1	0	0.0	346.5	10944	0	250	
275	-37.2	16	.1	341.8	10292	-38.2	19	.1	340.4	10238	-36.2	14	.1	343.1	10286	-33.9	M	M	M	10285	0	275	
300	-31.7	15	.1	341.2	9684	-33.7	18	.1	338.5	9634	-31.0	14	.1	342.3	9675	-29.1	M	M	M	9669	0	300	
325	-27.6	15	.2	339.4	9113	-29.6	17	.2	336.7	9068	-26.2	13	.2	341.3	9102	-25.3	M	M	M	9092	0	325	
350	-23.0	14	.2	338.8	8574	-25.7	21	.3	335.2	8535	-22.2	13	.2	339.8	8561	-21.6	M	M	M	8550	0	350	
375	-19.8	15	.3	336.6	8066	-22.3	42	.7	334.7	8031	-19.1	14	.3	337.5	8051	-18.0	M	M	M	8038	0	375	
400	-16.8	22	.6	335.3	7584	-18.7	24	.5	332.7	7554	-17.3	15	.4	333.9	7569	-14.0	M	M	M	7552	0	400	
425	-13.2	21	.7	334.6	7125	-15.6	24	.7	331.4	7099	-14.1	20	.6	333.2	7111	-10.5	M	M	M	7089	0	425	
450	-9.8	20	.8	333.9	6687	-12.6	25	.8	330.3	6665	-11.1	25	.9	332.7	6675	-8.7	M	M	M	6648	0	450	
475	-6.6	19	.9	333.2	6267	-9.7	26	1.0	329.6	6250	-8.3	27	1.2	331.9	6257	-5.6	M	M	M	6226	0	475	
500	-3.8	20	1.1	332.4	5864	-6.6	27	1.3	329.4	5852	-6.0	21	1.0	329.3	5858	-4.9	M	M	M	5824	0	500	
525	-1.7	24	1.5	331.7	5478	-3.7	29	1.6	329.4	5469	-3.9	18	1.0	327.2	5474	-1.7	M	M	M	5439	0	525	
550	-.2	28	1.9	330.5	5107	-1.0	30	1.9	329.6	5099	-2.0	28	1.7	327.5	5106	1.1	M	M	M	5067	0	550	
575	2.3	24	1.9	329.2	4749	1.6	32	2.4	329.9	4743	-.1	37	2.4	328.0	4751	2.7	M	M	M	4709	0	575	
600	4.1	27	2.3	328.7	4404	4.2	33	2.8	330.4	4398	2.6	43	3.3	329.9	4409	4.1	M	M	M	4364	0	600	
625	6.5	28	2.7	328.9	4071	6.2	37	3.5	331.0	4065	5.1	49	4.3	332.2	4077	5.5	M	M	M	4032	0	625	
650	9.2	23	2.6	328.1	3748	7.3	40	3.9	329.9	3743	7.1	70	6.8	338.3	3755	6.9	M	M	M	3711	0	650	
675	10.2	18	2.1	324.1	3435	9.5	26	2.9	325.7	3431	8.4	65	6.6	335.7	3443	8.0	M	M	M	3401	0	675	
700	11.3	41	5.0	330.8	3132	10.7	39	4.5	328.7	3128	10.1	69	7.6	337.1	3141	9.0	M	M	M	3101	0	700	
725	13.0	44	5.7	331.5	2838	11.0	80	9.1	339.1	2835	11.5	71	8.4	337.5	2848	10.0	M	M	M	2810	0	725	
750	14.5	47	6.5	332.5	2552	12.6	73	8.9	337.3	2551	12.4	71	8.6	336.2	2563	11.0	M	M	M	2529	0	750	
775	15.7	50	7.2	332.9	2274	13.6	59	7.5	331.2	2274	13.8	72	9.3	336.5	2287	12.8	M	M	M	2255	0	775	
800	16.8	53	8.0	333.4	2003	14.9	65	8.7	333.0	2006	15.9	77	10.9	340.5	2018	14.9	M	M	M	1988	0	800	
825	17.8	57	8.8	333.9	1740	16.0	71	9.9	334.8	1744	17.1	80	12.1	342.3	1755	16.4	M	M	M	1728	0	825	
850	18.8	60	9.6	334.5	1484	17.2	76	11.2	336.8	1489	18.1	84	12.9	342.9	1499	17.5	M	M	M	1474	0	850	
875	19.8	63	10.5	335.2	1234	18.3	82	12.5	338.9	1241	19.0	87	13.8	343.5	1249	18.6	M	M	M	1227	0	875	
900	20.7	66	11.3	335.9	990	19.4	87	13.8	341.2	998	19.8	90	14.7	344.2	1006	19.7	M	M	M	986	0	900	
925	22.3	68	12.6	338.7	752	20.4	92	15.2	343.6	760	20.7	93	15.6	345.0	768	20.7	M	M	M	750	0	925	
950	24.0	68	13.7	341.2	519	22.4	91	16.6	347.2	528	22.0	88	15.6	343.9	536	21.7	M	M	M	521	0	950	
975	26.0	64	14.0	341.9	290	24.6	89	18.0	351.1	300	23.3	83	15.5	342.6	309	22.7	93	16.8	345.4	294	0	975	
1000	28.5	59	14.7	344.4	66	26.7	87	19.5	355.1	76	25.2	85	17.3	347.2	86	25.4	96	20.1	355.2	72	0	1000	
SFC.	29.5	58	15.1	346.0	0	27.4	86	20.0	356.5	0	26.3	90	19.6	353.8	0	26.7	98	21.9	360.9	0	0	SFC.	
				SURFACE PRESSURE	1007.4				SURFACE PRESSURE	1008.6				SURFACE PRESSURE	1009.8				SURFACE PRESSURE	1008.1			

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA PALMYRA ISLAND

P	3/29 6 0 GMT					3/29 1121 GMT					3/29 1438 GMT					3/29 18 8 GMT					P	
	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H		
60	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	60	
70	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	70	
80	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	80	
90	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	90	
100	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	100	
110	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	110	
120	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	120	
130	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	130	
140	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	140	
150	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	150	
160	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-65.4	15	.0	350.9	13769	0.0	0	0.0	0.0	0	160	
170	-62.1	24	.0	350.4	13407	0.0	0	0.0	0.0	0	-62.9	15	.0	349.0	13398	0.0	0	0.0	0.0	0	170	
180	-59.1	23	.0	349.7	13051	-60.2	17	.0	347.8	13073	-60.4	15	.0	347.5	13044	0.0	0	0.0	0.0	0	180	
190	-56.3	22	.0	348.9	12710	-57.7	17	.0	346.5	12734	-57.4	14	.0	347.0	12705	0.0	0	0.0	0.0	0	190	
200	-53.6	22	.0	348.1	12382	-55.3	17	.0	345.3	12408	-54.6	14	.0	346.5	12378	0.0	0	0.0	0.0	0	200	
225	-47.8	20	.0	345.5	11614	-48.1	16	.0	345.0	11644	-48.0	12	.0	345.0	11613	0.0	0	0.0	0.0	0	225	
250	-42.5	24	.1	343.3	10911	-41.7	15	.1	344.4	10940	-42.2	11	.0	343.5	10910	0.0	0	0.0	0.0	0	250	
275	-36.9	31	.2	342.5	10260	-35.9	14	.1	343.5	10286	-36.5	13	.1	342.6	10257	0.0	0	0.0	0.0	0	275	
300	-31.8	37	.3	341.9	9651	-31.0	13	.1	342.3	9675	-31.2	14	.1	342.0	9647	0.0	0	0.0	0.0	0	300	
325	-27.1	43	.5	341.5	9079	-26.5	12	.2	340.8	9102	-26.7	30	.4	341.4	9075	0.0	0	0.0	0.0	0	325	
350	-23.2	53	.9	340.9	8541	-22.4	11	.2	339.4	8562	-22.7	13	.2	339.1	8536	0.0	0	0.0	0.0	0	350	
375	-20.1	66	1.4	339.9	8032	-18.6	11	.2	338.0	8051	-18.9	19	.4	338.3	8026	0.0	0	0.0	0.0	0	375	
400	-16.6	21	.5	335.5	7550	-15.0	10	.3	336.7	7567	-15.4	25	.7	337.7	7542	0.0	0	0.0	0.0	0	400	
425	-13.3	32	1.0	335.7	7092	-11.6	14	.5	336.0	7105	-13.0	69	2.3	340.3	7082	0.0	0	0.0	0.0	0	425	
450	-12.5	78	2.5	336.1	6655	-9.7	47	1.9	337.8	6666	-9.9	56	2.3	338.6	6643	0.0	0	0.0	0.0	0	450	
475	-9.2	89	3.6	338.6	6240	-8.5	61	2.6	336.4	6247	-8.2	55	2.4	336.1	6224	0.0	0	0.0	0.0	0	475	
500	-5.7	79	3.9	339.1	5839	-6.4	51	2.4	333.5	5847	-5.6	41	2.1	333.3	5824	0.0	0	0.0	0.0	0	500	
525	-3.9	41	2.2	331.4	5455	-4.8	53	2.7	331.8	5465	-3.4	62	3.5	336.1	5439	0.0	0	0.0	0.0	0	525	
550	-2.9	86	4.8	336.2	5087	-2.0	43	2.6	330.3	5097	-1.6	60	3.7	334.6	5070	0.0	0	0.0	0.0	0	550	
575	.8	70	4.9	336.7	4732	.0	60	4.0	333.1	4742	-.3	63	4.1	333.0	4714	0.0	0	0.0	0.0	0	575	
600	2.1	77	5.8	336.8	4388	2.0	76	5.6	336.4	4399	1.2	76	5.3	334.2	4373	0.0	0	0.0	0.0	0	600	
625	5.0	60	5.2	334.9	4056	4.1	79	6.5	337.7	4067	4.0	81	6.6	337.7	4042	0.0	0	0.0	0.0	0	625	
650	7.0	54	5.2	333.6	3734	6.3	69	6.4	336.1	3746	5.0	77	6.5	334.8	3721	0.0	0	0.0	0.0	0	650	
675	7.9	64	6.3	334.3	3423	7.9	70	6.9	335.9	3435	6.3	82	7.3	335.3	3412	0.0	0	0.0	0.0	0	675	
700	10.0	59	6.5	333.7	3121	9.2	79	8.2	337.8	3134	9.1	94	9.8	342.2	3112	7.3	81	7.4	333.1	3124	700	
725	10.9	70	7.9	335.4	2829	11.1	83	9.5	340.5	2841	11.1	99	11.4	345.9	2818	10.8	77	8.7	337.6	2832	725	
750	12.8	66	8.2	335.6	2544	13.1	87	11.1	344.0	2556	12.4	98	12.0	345.8	2534	13.5	77	10.1	341.7	2547	750	
775	14.8	62	8.5	335.6	2267	15.0	88	12.3	346.6	2278	13.7	98	12.6	345.8	2257	15.2	83	11.7	345.2	2269	775	
800	15.7	71	10.0	337.8	1998	16.7	82	12.4	346.0	2008	15.0	98	13.2	345.9	1987	15.4	76	10.5	338.7	2000	800	
825	16.1	86	12.1	341.0	1735	17.9	84	13.3	346.8	1744	16.2	97	13.8	345.9	1725	17.7	75	11.6	341.5	1737	825	
850	17.2	93	13.6	343.7	1480	19.1	86	14.2	347.6	1487	17.4	97	14.4	346.0	1469	19.9	73	12.7	344.5	1480	850	
875	19.0	93	14.8	346.3	1231	20.2	87	15.1	348.5	1236	20.6	97	17.2	354.9	1219	21.1	75	13.6	345.6	1229	875	
900	20.8	92	16.0	349.0	987	21.3	89	16.0	349.5	991	21.6	96	17.6	354.5	974	22.0	77	14.4	346.1	983	900	
925	22.5	92	17.3	351.8	748	22.4	90	16.9	350.6	752	22.5	96	18.1	354.0	734	22.9	79	15.2	346.7	744	925	
950	21.4	92	15.7	343.3	516	23.4	92	17.8	351.7	518	23.4	95	18.5	353.6	500	23.7	83	16.4	348.1	510	950	
975	23.1	91	17.0	346.2	289	24.4	93	18.7	352.8	290	24.3	95	18.9	353.2	272	24.5	88	17.8	350.2	282	975	
1000	24.8	91	18.3	349.3	66	25.4	95	19.7	354.0	66	25.2	94	19.4	352.8	48	25.7	92	19.5	353.7	58	1000	
SFC.	25.3	91	18.7	350.2	0	25.7	95	20.0	354.4	0	25.4	94	19.4	352.7	0	26.0	93	19.9	354.7	0	SFC.	
				SURFACE PRESSURE	1007.5				SURFACE PRESSURE	1007.5				SURFACE PRESSURE	1005.5				SURFACE PRESSURE	1006.6		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

3/29 2046 GMT					3/30 320 GMT					3/30 6 3 GMT					3/30 910 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-65.3	0	0.0	464.8	19582	-65.0	0	0.0	465.4	19631	-64.9	30	.0	465.8	19461	-65.4	0	0.0	464.5	19533	60	
70	-71.2	0	0.0	432.2	18657	-69.2	0	0.0	436.5	18699	-76.4	30	.0	421.0	18553	-68.3	0	0.0	438.2	18601	70	
80	-72.3	17	.0	413.8	17866	-71.0	0	0.0	416.3	17908	-75.5	30	.0	407.1	17785	-74.6	35	.0	408.9	17820	80	
90	-76.9	18	.0	390.8	17183	-73.6	0	0.0	397.3	17215	-77.7	31	.0	389.3	17106	-79.8	36	.0	385.1	17145	90	
100	-76.4	17	.0	380.1	16577	-76.0	15	.0	380.9	16603	-77.0	31	.0	379.0	16502	-76.5	36	.0	380.0	16543	100	
110	-78.3	18	.0	366.3	16030	-79.0	16	.0	365.1	16058	-78.7	31	.0	365.5	15957	-77.4	36	.0	368.1	15998	110	
120	-76.3	18	.0	361.1	15533	-76.0	15	.0	361.5	15560	-76.1	31	.0	361.3	15458	-74.0	35	.0	365.3	15495	120	
130	-72.7	18	.0	359.2	15067	-73.3	15	.0	358.2	15094	-73.3	30	.0	358.2	14993	-72.3	35	.0	360.1	15025	130	
140	-69.5	17	.0	357.4	14628	-70.6	14	.0	355.4	14658	-70.2	30	.0	356.1	14556	-70.8	34	.0	355.1	14589	140	
150	-66.4	17	.0	355.7	14214	-67.3	15	.0	354.2	14245	-67.2	30	.0	354.4	14143	-67.6	35	.0	353.6	14176	150	
160	-63.6	17	.0	354.0	13820	-64.1	17	.0	353.1	13853	-64.3	30	.0	352.7	13751	-64.7	35	.0	352.2	13785	160	
170	-60.9	17	.0	352.3	13446	-61.0	16	.0	352.3	13479	-61.7	29	.0	351.1	13378	-61.9	35	.0	350.8	13413	170	
180	-58.4	16	.0	350.7	13089	-58.0	16	.0	351.5	13121	-59.1	29	.0	349.6	13022	-59.3	36	.0	349.4	13057	180	
190	-56.1	16	.0	349.2	12747	-55.1	15	.0	350.6	12779	-56.8	29	.0	348.1	12681	-56.8	36	.0	348.1	12716	190	
200	-53.8	16	.0	347.7	12419	-52.5	14	.0	349.8	12449	-54.5	29	.0	346.6	12355	-54.1	36	.0	347.2	12389	200	
225	-46.8	15	.0	347.0	11650	-45.9	13	.0	348.3	11677	-48.6	28	.1	344.3	11591	-47.9	38	.1	345.4	11623	225	
250	-40.5	15	.1	346.1	10942	-39.9	13	.1	347.1	10966	-42.3	27	.1	343.6	10888	-41.4	25	.1	345.0	10918	250	
275	-34.9	14	.1	345.2	10285	-34.4	12	.1	345.7	10308	-36.6	26	.2	342.9	10236	-36.3	22	.1	343.3	10264	275	
300	-29.7	14	.2	344.2	9671	-30.1	20	.2	343.8	9693	-31.5	31	.3	342.1	9627	-31.7	34	.3	342.0	9655	300	
325	-25.7	14	.2	342.1	9096	-25.2	13	.2	342.7	9118	-27.5	76	.9	342.3	9056	-27.5	60	.7	341.6	9084	325	
350	-22.1	15	.3	340.1	8555	-21.6	38	.7	342.4	8575	-25.4	38	.5	336.5	8519	-23.0	51	.9	341.1	8545	350	
375	-18.7	15	.3	338.2	8044	-18.9	24	.5	338.7	8065	-21.3	39	.7	336.1	8014	-19.8	70	1.5	340.8	8036	375	
400	-15.5	15	.4	336.5	7560	-15.0	16	.5	337.3	7580	-18.2	39	.9	334.6	7534	-16.5	68	1.8	339.9	7553	400	
425	-12.1	16	.6	335.6	7100	-12.5	34	1.2	337.2	7120	-15.7	39	1.0	332.5	7078	-13.4	75	2.4	340.0	7094	425	
450	-10.5	29	1.1	334.1	6661	-9.8	50	2.0	338.0	6681	-13.4	46	1.4	331.3	6645	-12.0	94	3.2	339.1	6658	450	
475	-7.7	44	2.0	335.4	6242	-7.0	62	2.9	339.4	6261	-10.4	64	2.3	333.1	6232	-9.1	85	3.4	338.2	6241	475	
500	-5.2	54	2.8	336.2	5841	-4.3	72	4.0	341.2	5858	-7.2	81	3.6	336.3	5834	-7.5	83	3.6	335.7	5843	500	
525	-3.9	45	2.5	332.1	5456	-1.7	52	3.4	337.8	5472	-6.4	89	4.0	333.7	5452	-4.7	75	3.9	335.6	5460	525	
550	-2.4	36	2.1	328.4	5088	.1	52	3.7	336.4	5100	-3.0	94	5.3	337.4	5085	-2.1	74	4.4	335.8	5092	550	
575	-.6	38	2.4	327.4	4734	1.7	74	5.6	339.9	4742	-.2	85	5.6	337.6	4730	.3	72	4.9	336.0	4736	575	
600	1.6	43	3.1	328.1	4392	3.7	81	6.7	341.8	4397	2.0	81	6.0	337.5	4388	2.2	92	6.9	340.4	4393	600	
625	4.2	42	3.5	328.7	4062	5.9	78	7.3	342.1	4063	4.1	83	6.8	338.5	4056	4.2	84	6.9	339.0	4061	625	
650	6.8	41	3.9	329.4	3741	8.0	75	7.8	342.4	3740	6.1	85	7.7	339.7	3735	6.1	76	6.9	337.4	3740	650	
675	9.3	40	4.4	330.1	3429	9.9	76	8.6	343.6	3427	8.0	86	8.6	341.0	3424	7.7	71	7.0	335.8	3430	675	
700	11.2	40	4.8	330.2	3127	11.8	77	9.5	344.9	3123	9.6	84	9.1	340.8	3122	10.1	50	5.6	331.1	3128	700	
725	12.6	41	5.2	329.6	2833	13.5	69	9.3	342.8	2827	11.1	77	8.8	338.3	2829	11.2	48	5.5	329.0	2836	725	
750	13.9	42	5.6	329.1	2547	14.9	75	10.8	345.5	2540	12.4	70	8.5	335.7	2545	12.3	46	5.5	327.0	2552	750	
775	15.2	43	6.0	328.6	2270	16.0	82	12.2	347.7	2261	15.1	73	10.1	340.5	2268	14.0	76	9.9	338.6	2276	775	
800	16.2	48	7.0	329.7	2001	17.0	85	13.1	348.3	1990	16.1	71	10.2	338.8	1997	15.4	89	12.3	343.8	2006	800	
825	16.9	58	8.6	332.2	1738	18.0	89	14.1	349.0	1726	17.2	70	10.6	338.3	1735	16.7	91	13.3	345.1	1744	825	
850	17.6	68	10.2	334.6	1483	18.9	92	15.0	349.8	1468	18.8	71	11.5	339.7	1479	18.0	85	13.1	343.3	1488	850	
875	18.4	77	11.8	337.0	1234	20.4	90	15.7	350.7	1217	20.3	72	12.4	341.2	1228	19.3	80	13.0	341.5	1238	875	
900	19.8	76	12.4	337.8	991	21.9	88	16.4	351.5	972	21.7	73	13.4	342.8	984	20.8	80	13.9	343.1	994	900	
925	21.3	75	13.1	338.6	754	23.4	85	17.0	352.3	733	23.1	74	14.3	344.6	744	22.3	82	15.2	345.8	756	925	
950	22.7	74	13.7	339.5	521	24.9	82	17.4	352.4	498	24.5	74	15.4	346.4	510	23.8	83	16.5	348.6	522	950	
975	24.0	74	14.4	340.3	294	26.3	77	17.2	351.0	268	25.9	75	16.4	348.2	281	25.3	84	17.9	351.6	293	975	
1000	25.2	74	15.0	341.0	71	27.7	71	16.9	349.4	44	27.2	76	17.5	350.2	57	26.8	86	19.3	354.7	69	1000	
SFC.	25.5	74	15.3	341.2	0	28.0	70	16.8	349.0	0	27.5	76	17.7	350.7	0	27.2	86	19.8	355.7	0	SFC.	
				SURFACE PRESSURE	1008.1				SURFACE PRESSURE	1004.9				SURFACE PRESSURE	1006.4				SURFACE PRESSURE	1007.8		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

3/30 12 0 GMT					3/30 1831 GMT					3/31 0 8 GMT					3/31 2331 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-64.6	0	0.0	466.3	19433	0.0	0	0.0	0.0	0	-63.7	0	0.0	468.3	19555	-63.2	0	0.0	469.4	19572	60	
70	-71.1	0	0.0	432.3	18513	0.0	0	0.0	0.0	0	-67.9	0	0.0	439.2	18615	-68.7	0	0.0	437.4	18637	70	
80	-76.2	43	.0	405.5	17743	0.0	0	0.0	0.0	0	-74.1	20	.0	409.9	17827	-74.3	20	.0	409.5	17847	80	
90	-79.8	43	.0	385.0	17069	0.0	0	0.0	0.0	0	-77.3	22	.0	390.1	17143	-76.1	20	.0	392.4	17165	90	
100	-77.7	43	.0	377.6	16469	0.0	0	0.0	0.0	0	-76.8	22	.0	379.4	16540	-77.8	20	.0	377.4	16562	100	
110	-78.6	43	.0	365.7	15929	0.0	0	0.0	0.0	0	-79.0	23	.0	365.1	15996	-77.3	20	.0	368.3	16016	110	
120	-75.5	43	.0	362.6	15429	0.0	0	0.0	0.0	0	-75.9	24	.0	361.8	15497	-75.2	20	.0	363.0	15515	120	
130	-73.0	43	.0	358.8	14962	0.0	0	0.0	0.0	0	-73.1	24	.0	358.7	15032	-71.9	20	.0	360.8	15047	130	
140	-72.1	43	.0	352.8	14528	0.0	0	0.0	0.0	0	-70.4	25	.0	355.7	14595	-68.8	20	.0	358.7	14607	140	
150	-68.8	44	.0	351.6	14119	0.0	0	0.0	0.0	0	-68.0	25	.0	353.0	14183	-65.9	20	.0	356.6	14191	150	
160	-65.7	44	.0	350.4	13730	0.0	0	0.0	0.0	0	-64.8	24	.0	352.0	13792	-63.9	23	.0	353.5	13797	160	
170	-62.8	45	.0	349.3	13359	0.0	0	0.0	0.0	0	-61.8	23	.0	350.9	13419	-61.9	24	.0	350.7	13424	170	
180	-60.0	45	.0	348.2	13004	0.0	0	0.0	0.0	0	-58.9	22	.0	349.9	13063	-59.4	23	.0	349.2	13068	180	
190	-57.4	45	.0	347.0	12665	0.0	0	0.0	0.0	0	-56.2	22	.0	348.9	12722	-57.0	22	.0	347.7	12728	190	
200	-55.0	46	.1	345.9	12339	0.0	0	0.0	0.0	0	-53.7	21	.0	347.9	12394	-54.7	20	.0	346.3	12402	200	
225	-49.3	46	.1	343.3	11577	0.0	0	0.0	0.0	0	-46.7	23	.1	347.2	11625	-48.0	19	.0	345.1	11637	225	
250	-43.9	48	.1	341.5	10878	0.0	0	0.0	0.0	0	-40.5	24	.1	346.3	10917	-41.9	17	.1	344.1	10933	250	
275	-38.0	50	.3	341.3	10230	0.0	0	0.0	0.0	0	-34.9	28	.2	345.5	10260	-36.1	17	.1	343.3	10279	275	
300	-32.6	52	.4	341.1	9624	0.0	0	0.0	0.0	0	-29.8	31	.3	344.7	9646	-30.7	16	.2	342.7	9668	300	
325	-28.6	72	.8	340.3	9055	0.0	0	0.0	0.0	0	-25.7	35	.5	343.3	9070	-25.8	15	.2	342.0	9094	325	
350	-24.3	61	.9	339.5	8519	0.0	0	0.0	0.0	0	-21.8	38	.7	342.1	8529	-22.0	14	.3	340.1	8553	350	
375	-20.2	47	1.0	338.5	8012	0.0	0	0.0	0.0	0	-18.4	43	1.0	341.0	8017	-19.1	20	.5	338.1	8043	375	
400	-18.0	83	1.9	338.4	7531	0.0	0	0.0	0.0	0	-15.4	50	1.4	340.2	7533	-16.7	32	.8	336.4	7560	400	
425	-14.0	71	2.1	338.5	7074	0.0	0	0.0	0.0	0	-13.2	59	1.9	338.9	7073	-13.0	28	.9	335.7	7101	425	
450	-10.6	62	2.4	338.1	6637	0.0	0	0.0	0.0	0	-11.0	67	2.5	337.8	6635	-10.2	40	1.6	335.9	6663	450	
475	-8.4	60	2.6	336.3	6219	0.0	0	0.0	0.0	0	-8.3	57	2.5	336.1	6218	-8.2	33	1.4	332.8	6245	475	
500	-6.6	68	3.2	335.5	5819	0.0	0	0.0	0.0	0	-5.3	38	1.9	333.3	5817	-6.3	17	.8	328.2	5845	500	
525	-6.6	98	4.4	334.6	5437	0.0	0	0.0	0.0	0	-4.0	55	3.0	333.5	5433	-3.2	15	.9	327.8	5461	525	
550	-3.9	96	5.0	335.5	5071	0.0	0	0.0	0.0	0	-2.6	65	3.7	333.2	5065	-.6	16	1.1	327.2	5092	550	
575	-1.4	94	5.7	336.4	4718	0.0	0	0.0	0.0	0	-.2	47	3.1	330.0	4710	1.8	17	1.3	326.7	4735	575	
600	1.1	93	6.4	337.5	4376	.4	82	5.4	333.6	4391	2.3	38	2.8	328.2	4368	4.0	21	1.7	326.8	4391	600	
625	2.8	94	7.1	337.6	4046	1.7	86	6.0	333.1	4062	4.4	45	3.8	329.8	4037	6.0	27	2.5	327.7	4058	625	
650	5.3	70	6.0	333.8	3726	3.8	93	7.2	335.4	3744	6.4	53	4.9	331.8	3716	7.9	33	3.4	329.0	3735	650	
675	7.7	46	4.5	328.7	3416	6.5	96	8.7	339.3	3435	8.2	60	6.0	333.8	3405	9.7	39	4.3	330.5	3423	675	
700	8.9	68	7.3	333.8	3115	8.9	96	9.9	342.3	3134	9.4	65	6.9	334.1	3103	10.1	51	5.7	331.5	3120	700	
725	10.9	69	7.8	335.2	2823	11.0	95	10.9	344.2	2841	10.6	69	7.7	334.5	2811	11.4	55	6.5	332.0	2828	725	
750	12.4	85	10.3	340.9	2539	13.0	93	11.8	346.1	2556	12.6	65	7.9	334.3	2527	13.3	54	6.9	332.3	2543	750	
775	14.1	86	11.3	342.6	2262	15.0	92	12.8	348.1	2278	14.7	59	8.0	333.9	2250	15.0	54	7.5	332.8	2266	775	
800	16.0	80	11.5	342.4	1992	16.5	91	13.6	348.8	2007	15.9	64	9.1	335.4	1981	15.6	62	8.6	333.6	1997	800	
825	16.6	74	10.8	337.9	1729	17.0	92	13.7	346.6	1744	16.9	71	10.4	337.4	1718	17.3	61	9.2	334.6	1734	825	
850	18.1	88	13.6	344.9	1474	18.2	92	14.3	346.8	1488	17.4	78	11.5	338.1	1463	19.1	60	9.9	335.6	1478	850	
875	19.3	92	15.0	347.1	1224	19.5	92	15.1	347.8	1238	18.7	81	12.7	340.1	1214	20.1	66	11.2	337.6	1228	875	
900	20.4	92	15.7	347.6	980	20.9	91	15.9	348.9	993	20.1	84	14.0	342.4	970	20.9	69	12.1	338.3	984	900	
925	21.6	93	16.5	348.5	741	22.1	91	16.8	350.0	754	21.3	87	15.3	344.8	733	21.9	71	12.8	338.6	746	925	
950	23.5	93	18.2	352.8	508	23.4	92	17.7	351.3	521	22.7	86	15.9	345.7	500	23.8	72	14.3	342.5	512	950	
975	25.3	94	19.9	357.3	279	24.5	93	18.7	352.9	293	24.3	78	15.6	344.0	272	25.9	67	14.7	343.7	284	975	
1000	27.2	94	21.8	362.0	54	25.7	94	19.8	354.6	69	26.4	80	17.5	349.4	49	28.8	74	18.7	355.8	59	1000	
SFC.	27.6	94	22.2	363.3	0	26.0	94	20.1	355.1	0	27.1	84	19.2	354.3	0	29.1	81	20.8	361.5	0	SFC.	
				SURFACE PRESSURE	1006.1				SURFACE PRESSURE	1007.8				SURFACE PRESSURE	1005.5				SURFACE PRESSURE	1006.6		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

4/ 1 655 GMT					4/ 1 15 0 GMT					4/ 1 18 0 GMT					4/ 1 2050 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-62.6	0	0.0	470.8	19474	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-62.7	0	0.0	470.6	19578	60	
70	-71.8	0	0.0	430.8	18544	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-66.5	0	0.0	442.2	18631	70	
80	-76.4	13	.0	405.1	17770	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-71.9	0	0.0	414.5	17837	80	
90	-75.8	13	.0	393.0	17090	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-74.8	15	.0	395.0	17148	90	
100	-80.0	14	.0	373.2	16490	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-75.2	16	.0	382.5	16536	100	
110	-79.4	14	.0	364.2	15952	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-76.9	16	.0	369.1	15989	110	
120	-76.2	14	.0	361.1	15454	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-76.1	16	.0	361.4	15488	120	
130	-73.3	13	.0	358.3	14989	-75.9	0	0.0	353.6	14994	0.0	0	0.0	0.0	0	-73.1	16	.0	358.5	15023	130	
140	-70.5	13	.0	355.5	14553	-72.9	0	0.0	351.5	14563	0.0	0	0.0	0.0	0	-70.4	16	.0	355.8	14586	140	
150	-67.9	13	.0	353.1	14141	-70.0	0	0.0	349.5	14156	-68.9	16	.0	351.4	14181	-67.9	16	.0	353.2	14174	150	
160	-65.2	13	.0	351.3	13750	-67.2	0	0.0	347.9	13769	-66.2	16	.0	349.6	13792	-65.5	16	.0	350.8	13783	160	
170	-62.6	14	.0	349.6	13379	-64.5	0	0.0	346.4	13401	-62.8	16	.0	349.3	13422	-63.2	16	.0	348.5	13413	170	
180	-59.9	14	.0	348.3	13024	-61.9	0	0.0	344.9	13049	-59.9	16	.0	348.4	13067	-60.2	16	.0	347.7	13059	180	
190	-56.9	13	.0	347.7	12684	-58.7	20	.0	344.8	12712	-57.5	16	.0	346.9	12728	-57.0	15	.0	347.6	12719	190	
200	-54.2	13	.0	347.1	12357	-55.6	20	.0	344.8	12388	-54.4	16	.0	346.8	12401	-54.0	15	.0	347.4	12392	200	
225	-47.8	12	.0	345.4	11591	-48.5	18	.0	344.4	11625	-47.2	15	.0	346.4	11634	-47.2	14	.0	346.4	11625	225	
250	-42.1	11	.0	343.7	10887	-42.1	17	.1	343.8	10922	-40.9	14	.1	345.6	10927	-41.1	14	.1	345.3	10918	250	
275	-36.8	10	.1	342.1	10234	-36.3	16	.1	343.0	10269	-35.5	14	.1	344.3	10271	-35.5	13	.1	344.1	10262	275	
300	-31.9	10	.1	340.8	9626	-31.2	16	.1	342.0	9659	-30.5	13	.1	343.0	9659	-30.5	13	.1	343.0	9651	300	
325	-27.3	10	.1	339.6	9055	-26.5	15	.2	341.0	9086	-26.0	13	.2	341.7	9085	-26.4	14	.2	341.1	9077	325	
350	-23.1	10	.2	338.3	8517	-22.1	15	.3	340.1	8546	-21.7	13	.2	340.5	8544	-22.6	15	.3	339.4	8537	350	
375	-19.5	15	.3	337.1	8008	-19.8	33	.7	338.0	8036	-17.8	13	.3	339.3	8032	-19.0	15	.3	337.8	8027	375	
400	-17.0	33	.8	336.0	7526	-16.7	32	.8	336.4	7555	-15.0	13	.4	337.0	7546	-15.7	16	.4	336.3	7544	400	
425	-14.7	13	.4	331.6	7069	-14.9	14	.4	331.4	7098	-13.4	24	.8	334.7	7087	-13.2	41	1.3	336.9	7084	425	
450	-12.6	21	.7	330.0	6634	-11.7	22	.8	331.3	6663	-11.4	34	1.2	333.2	6650	-10.0	41	1.6	336.5	6646	450	
475	-10.3	38	1.4	330.1	6220	-8.6	31	1.3	331.8	6246	-9.3	29	1.1	330.6	6234	-8.3	44	1.9	334.2	6227	475	
500	-8.2	22	.9	326.3	5823	-5.7	39	1.9	332.8	5846	-6.6	26	1.2	329.3	5835	-7.3	47	2.1	331.2	5828	500	
525	-5.6	60	2.9	331.4	5442	-3.7	54	3.0	334.1	5462	-3.9	36	2.0	330.4	5452	-6.6	43	1.9	327.0	5447	525	
550	-2.8	70	4.0	333.7	5075	-.8	33	2.2	330.6	5092	-1.5	33	2.0	329.3	5083	-5.9	39	1.8	323.1	5083	550	
575	-.4	70	4.5	334.1	4720	-.4	76	4.9	335.3	4737	-.8	71	4.5	333.5	4728	-.9	50	3.1	329.1	4731	575	
600	.9	69	4.7	332.0	4379	2.1	78	5.8	337.0	4394	.6	77	5.1	333.1	4387	.8	54	3.7	329.0	4390	600	
625	2.1	67	4.8	330.0	4050	4.9	73	6.3	338.0	4062	2.7	79	5.9	334.0	4057	2.4	67	4.9	330.8	4060	625	
650	3.3	66	4.9	328.1	3732	6.0	82	7.4	338.8	3741	4.7	81	6.7	335.2	3738	4.0	80	6.3	333.0	3742	650	
675	6.9	94	8.8	340.1	3422	8.7	75	7.9	339.8	3429	6.4	87	7.8	336.8	3429	6.3	77	6.8	333.8	3433	675	
700	9.4	93	9.9	343.0	3121	10.8	78	9.1	342.3	3126	8.4	87	8.7	338.1	3128	7.9	68	6.5	331.0	3133	700	
725	10.4	92	10.1	341.2	2828	12.1	85	10.5	344.5	2832	10.9	80	9.0	338.7	2836	9.7	69	7.2	332.1	2842	725	
750	11.3	91	10.3	339.6	2545	13.2	77	9.9	340.8	2547	12.8	76	9.4	338.8	2552	11.6	70	8.0	333.2	2559	750	
775	12.6	91	10.9	339.6	2269	14.6	86	11.7	344.4	2269	13.9	78	10.1	338.8	2275	13.1	65	7.9	331.8	2284	775	
800	14.1	92	11.7	340.6	2001	15.9	95	13.6	348.0	1999	15.0	80	10.7	338.9	2006	14.4	53	6.9	327.4	2016	800	
825	15.6	92	12.5	341.6	1739	17.4	87	13.3	346.1	1736	16.4	78	11.2	338.8	1744	15.8	58	7.9	328.9	1755	825	
850	17.0	93	13.4	342.7	1484	18.6	89	14.2	347.1	1479	18.1	73	11.3	338.4	1488	17.1	62	9.1	330.9	1500	850	
875	18.4	93	14.3	343.9	1235	19.9	91	15.4	349.0	1229	19.5	75	12.4	340.1	1239	18.4	58	8.9	329.2	1252	875	
900	19.8	92	15.1	345.2	992	21.2	90	16.1	349.8	984	20.3	87	14.7	344.8	995	19.7	53	8.5	326.9	1010	900	
925	21.3	92	16.0	346.6	754	22.5	89	16.8	350.6	745	21.4	94	16.6	348.4	757	20.9	62	10.5	331.2	773	925	
950	22.6	91	16.8	348.0	522	23.8	88	17.5	351.4	511	23.1	92	17.4	350.1	524	22.1	71	12.6	335.8	541	950	
975	24.0	91	17.7	349.4	294	25.1	87	18.2	352.2	282	24.7	89	18.2	351.7	296	23.7	78	14.9	341.3	314	975	
1000	25.3	90	18.6	350.9	70	26.3	86	18.9	353.0	58	26.3	87	19.0	353.3	72	26.0	81	17.4	348.6	91	1000	
SFC.	25.7	90	18.9	351.3	0	26.6	86	19.1	353.2	0	26.8	86	19.3	353.8	0	27.0	82	18.5	351.8	0	SFC.	
				SURFACE PRESSURE	1008.0				SURFACE PRESSURE	1006.6				SURFACE PRESSURE	1008.1				SURFACE PRESSURE	1010.3		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

4/ 1 2353 GMT				4/ 2 250 GMT				4/ 2 6 5 GMT				4/ 2 9 5 GMT				P		
P	T	RH	H	T	RH	W	EPT	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-65.9	0	0.0 463.4 19561	-65.2	0	0.0 465.0 19515	-65.0	43	.0 465.7 19516	-64.7	0	0.0 466.1 19550	60					
70	-66.8	0	0.0 441.5 18622	-69.7	0	0.0 435.4 18583	-70.9	44	.0 432.8 18590	-67.3	24	.0 440.4 18615	70					
80	-73.9	0	0.0 410.3 17831	-76.8	0	0.0 404.4 17801	-76.0	44	.0 406.1 17809	-74.7	25	.0 408.7 17824	80					
90	-73.3	15	.0 398.0 17145	-75.2	20	.0 394.1 17120	-77.7	44	.0 389.2 17132	-76.6	25	.0 391.3 17145	90					
100	-75.6	16	.0 381.7 16532	-76.2	21	.0 380.5 16510	-79.2	44	.0 374.7 16531	-76.3	25	.0 380.3 16538	100					
110	-76.5	16	.0 369.7 15984	-78.5	22	.0 366.0 15967	-78.4	44	.0 366.1 15989	-76.7	25	.0 369.4 15990	110					
120	-75.8	16	.0 361.9 15482	-77.6	21	.0 358.6 15470	-77.7	45	.0 358.5 15492	-77.0	26	.0 359.7 15489	120					
130	-74.4	16	.0 356.3 15018	-75.8	21	.0 353.7 15010	-75.8	45	.0 353.7 15032	-75.8	26	.0 353.8 15029	130					
140	-71.2	16	.0 354.4 14583	-72.1	21	.0 352.9 14578	-72.3	45	.0 352.6 14600	-72.4	25	.0 352.2 14597	140					
150	-68.3	15	.0 352.6 14172	-68.6	21	.0 352.0 14168	-69.0	44	.0 351.4 14191	-68.9	25	.0 351.4 14188	150					
160	-65.5	15	.0 350.8 13782	-65.7	21	.0 350.5 13778	-65.9	44	.0 350.2 13802	-65.5	25	.0 350.7 13799	160					
170	-62.6	15	.0 349.5 13411	-62.9	21	.0 349.0 13408	-63.0	44	.0 349.0 13431	-62.4	25	.0 350.0 13428	170					
180	-59.6	15	.0 348.7 13056	-60.2	21	.0 347.8 13053	-59.9	44	.0 348.4 13077	-59.4	24	.0 349.2 13072	180					
190	-56.8	15	.0 348.0 12716	-57.3	20	.0 347.2 12714	-56.9	43	.0 347.9 12737	-56.5	24	.0 348.4 12731	190					
200	-54.1	15	.0 347.2 12389	-54.5	20	.0 346.6 12388	-54.1	43	.1 347.4 12410	-53.8	24	.0 347.7 12404	200					
225	-47.5	15	.0 345.9 11622	-47.8	23	.1 345.5 11622	-47.6	42	.1 346.1 11643	-47.4	24	.1 346.2 11637	225					
250	-41.2	14	.1 345.0 10917	-41.8	25	.1 344.4 10917	-41.7	41	.2 344.7 10938	-41.2	32	.1 345.4 10930	250					
275	-35.6	14	.1 344.1 10261	-36.3	20	.1 343.2 10264	-36.6	44	.3 343.3 10285	-36.5	18	.1 342.7 10276	275					
300	-30.4	13	.1 343.1 9649	-31.2	15	.1 342.0 9654	-32.0	48	.4 342.0 9676	-31.4	16	.1 341.8 9667	300					
325	-26.1	14	.2 341.5 9075	-25.6	16	.2 342.4 9080	-27.7	51	.6 340.9 9106	-27.9	33	.4 339.8 9095	325					
350	-22.5	17	.3 339.7 8535	-21.8	17	.3 340.6 8538	-23.9	70	1.1 340.6 8569	-24.3	35	.5 338.0 8559	350					
375	-19.2	19	.4 337.9 8025	-18.7	18	.4 338.5 8027	-19.7	79	1.7 341.6 8061	-20.7	35	.7 336.9 8053	375					
400	-16.1	34	.9 337.5 7543	-16.3	59	1.6 339.5 7543	-16.1	57	1.6 339.6 7578	-17.1	32	.8 335.7 7572	400					
425	-12.9	40	1.3 337.2 7083	-13.2	66	2.2 339.6 7084	-12.4	68	2.4 341.3 7118	-14.1	62	1.9 337.4 7114	425					
450	-10.0	47	1.9 337.3 6645	-10.8	74	2.8 339.2 6646	-9.4	78	3.2 342.5 6678	-11.4	98	3.5 340.6 6678	450					
475	-7.6	55	2.5 337.2 6225	-8.1	76	3.3 339.2 6228	-8.3	96	4.1 341.5 6258	-9.0	91	3.7 339.2 6261	475					
500	-6.4	39	1.9 331.7 5825	-5.0	72	3.8 339.6 5827	-5.7	84	4.2 340.1 5857	-6.7	85	3.9 337.8 5861	500					
525	-3.3	34	1.9 331.1 5441	-3.5	63	3.5 336.0 5442	-2.8	68	4.0 338.4 5472	-3.5	46	2.6 332.9 5478	525					
550	-1.9	35	2.1 329.0 5072	-2.0	53	3.2 332.3 5072	-.1	53	3.7 336.1 5101	-1.4	42	2.6 331.3 5108	550					
575	-.5	44	2.9 328.9 4717	-.2	60	3.9 332.5 4718	.4	76	5.2 337.3 4744	-.3	82	5.3 336.8 4753	575					
600	.9	54	3.6 329.0 4376	1.7	71	5.1 334.4 4375	2.0	73	5.4 335.5 4401	2.3	67	5.1 335.0 4410	600					
625	3.2	51	3.9 328.6 4046	4.0	62	5.1 333.2 4044	4.3	62	5.2 333.8 4070	4.7	53	4.6 332.6 4079	625					
650	5.5	49	4.3 328.9 3727	6.3	53	4.9 331.6 3724	6.6	60	5.6 334.3 3749	6.8	52	4.9 332.4 3757	650					
675	7.8	48	4.7 329.3 3417	8.4	52	5.3 331.8 3413	8.9	57	6.1 334.7 3437	9.1	47	5.1 332.0 3446	675					
700	10.0	47	5.1 329.7 3115	10.4	51	5.8 332.1 3111	11.1	55	6.5 335.2 3135	11.3	44	5.3 331.9 3143	700					
725	12.1	46	5.6 330.2 2822	12.8	49	6.2 333.1 2817	13.2	53	6.9 335.6 2840	13.4	46	6.1 333.3 2848	725					
750	14.1	45	6.0 330.6 2537	15.2	46	6.7 334.0 2531	15.3	51	7.4 336.0 2554	15.4	47	6.9 334.9 2562	750					
775	16.0	44	6.5 331.1 2259	17.5	44	7.2 334.9 2252	17.2	48	7.7 336.3 2274	16.8	50	7.9 336.1 2283	775					
800	17.9	43	6.9 331.7 1989	19.7	42	7.6 335.7 1979	19.2	46	8.1 336.5 2002	17.2	57	8.9 336.3 2011	800					
825	17.7	48	7.4 329.8 1725	19.0	52	8.8 335.2 1714	19.8	49	8.6 335.9 1737	17.6	64	9.8 336.5 1748	825					
850	18.2	51	7.9 329.0 1470	18.3	62	9.7 334.0 1458	19.5	60	10.1 336.7 1480	17.1	95	13.8 344.1 1493	850					
875	19.7	51	8.5 329.5 1221	19.9	65	10.9 335.4 1248	21.2	69	12.6 342.9 1229	19.0	88	14.0 344.1 1243	875					
900	21.2	51	9.0 330.0 977	21.5	67	12.1 339.0 964	22.7	62	12.1 340.5 984	20.9	80	14.0 343.6 999	900					
925	22.5	53	9.9 331.4 739	22.6	73	13.8 342.3 725	22.7	78	14.8 345.3 744	22.6	77	14.6 344.7 761	925					
950	23.0	67	12.5 336.7 506	23.7	79	15.5 345.6 492	23.6	86	16.8 349.2 511	24.2	77	15.6 346.5 527	950					
975	24.7	70	14.3 340.8 279	25.5	76	16.1 347.0 263	25.3	87	18.4 353.0 282	25.8	76	16.5 348.4 298	975					
1000	27.3	65	15.0 343.7 55	27.2	73	16.7 348.2 39	27.1	87	20.0 356.9 58	27.3	75	17.5 350.4 74	1000					
SFC.	27.9	64	15.2 344.4 0	27.5	72	16.8 348.4 0	27.5	87	20.4 358.0 0	27.8	75	17.8 351.0 0	SFC.					
			SURFACE PRESSURE 1006.2			SURFACE PRESSURE 1004.4			SURFACE PRESSURE 1006.5			SURFACE PRESSURE 1008.3						

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

4/ 2 1123 GMT					4/ 2 1917 GMT					4/ 2 2358 GMT					4/ 3 610 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	T	RH	W	EPT	H	P
60	-65.5	0	0.0	464.2	19538	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-66.4	0	0.0	462.3	19515	60	
70	-68.8	0	0.0	437.2	18604	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-67.9	24	.0	439.2	18585	70	
80	-75.9	0	0.0	406.3	17819	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-75.1	24	.0	407.9	17797	80	
90	-77.1	20	.0	390.5	17143	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-78.7	24	.0	387.3	17120	90	
100	-76.1	19	.0	380.7	16536	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-78.9	25	.0	375.3	16523	100	
110	-78.0	20	.0	366.9	15989	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-76.6	25	.0	369.6	15978	110	
120	-75.5	19	.0	362.5	15489	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-74.4	25	.0	364.5	15474	120	
130	-75.2	19	.0	354.7	15026	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-73.7	25	.0	357.5	15007	130	
140	-71.8	19	.0	353.4	14593	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-72.0	25	.0	352.9	14573	140	
150	-68.6	19	.0	352.0	14182	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-69.1	25	.0	351.1	14164	150	
160	-65.6	18	.0	350.7	13793	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-65.8	24	.0	350.2	13775	160	
170	-62.7	18	.0	349.4	13422	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-62.8	23	.0	349.3	13404	170	
180	-60.1	18	.0	348.1	13067	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-59.9	23	.0	348.4	13049	180	
190	-57.0	18	.0	347.6	12728	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-57.2	22	.0	347.4	12710	190	
200	-54.1	17	.0	347.2	12401	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-54.6	22	.0	346.5	12383	200	
225	-47.1	16	.0	346.5	11633	0.0	0	0.0	0.0	0	-46.3	13	.0	347.7	11619	-48.0	20	.0	345.2	11619	225	
250	-41.2	16	.1	345.2	10926	0.0	0	0.0	0.0	0	-40.9	12	.1	345.6	10910	-41.4	19	.1	344.9	10914	250	
275	-37.1	18	.1	341.9	10273	0.0	0	0.0	0.0	0	-36.2	12	.1	343.1	10256	-35.5	18	.1	344.4	10258	275	
300	-33.4	21	.2	339.0	9667	0.0	0	0.0	0.0	0	-30.8	11	.1	342.4	9645	-31.8	19	.2	341.2	9647	300	
325	-29.5	83	.9	339.3	9100	0.0	0	0.0	0.0	0	-27.5	18	.2	339.7	9073	-28.0	20	.2	339.1	9077	325	
350	-24.6	59	.9	338.9	8566	0.0	0	0.0	0.0	0	-23.0	18	.3	338.9	8535	-23.6	20	.3	338.2	8540	350	
375	-20.5	42	.8	337.7	8060	0.0	0	0.0	0.0	0	-19.2	21	.5	338.0	8025	-19.8	33	.7	338.0	8032	375	
400	-17.0	78	2.0	339.9	7578	0.0	0	0.0	0.0	0	-16.1	28	.8	336.9	7542	-16.6	61	1.6	339.1	7550	400	
425	-13.8	83	2.6	340.3	7120	0.0	0	0.0	0.0	0	-12.9	21	.7	335.1	7083	-12.9	35	1.2	336.7	7091	425	
450	-10.7	89	3.3	341.1	6683	0.0	0	0.0	0.0	0	-10.1	32	1.3	335.0	6645	-10.0	24	.9	334.1	6653	450	
475	-7.8	93	4.2	342.3	6264	0.0	0	0.0	0.0	0	-7.8	38	1.7	334.4	6226	-7.5	20	.9	331.9	6234	475	
500	-5.6	91	4.6	341.4	5862	0.0	0	0.0	0.0	0	-5.6	40	2.0	333.2	5825	-6.3	58	2.8	334.7	5833	500	
525	-3.8	57	3.1	334.4	5478	0.0	0	0.0	0.0	0	-3.6	42	2.4	332.1	5441	-4.1	51	2.7	332.7	5450	525	
550	-1.0	62	4.0	336.1	5108	0.0	0	0.0	0.0	0	-1.7	44	2.7	331.2	5072	-2.3	60	3.5	333.0	5081	550	
575	.4	71	4.9	336.1	4752	0.0	0	0.0	0.0	0	.3	44	3.0	330.1	4717	-.7	69	4.3	333.2	4727	575	
600	2.6	65	5.0	335.2	4409	0.0	0	0.0	0.0	0	2.2	42	3.1	329.0	4374	1.1	72	5.0	333.3	4385	600	
625	5.0	55	4.8	333.5	4077	0.0	0	0.0	0.0	0	4.1	40	3.3	327.9	4043	2.9	83	6.2	335.3	4055	625	
650	7.4	47	4.6	332.2	3755	0.0	0	0.0	0.0	0	6.0	39	3.5	327.0	3723	4.7	75	6.2	333.6	3736	650	
675	9.7	46	5.2	333.0	3443	0.0	0	0.0	0.0	0	8.0	38	3.7	326.7	3412	7.1	83	7.8	337.4	3426	675	
700	12.0	45	5.7	333.8	3139	0.0	0	0.0	0.0	0	10.0	37	4.0	326.3	3111	9.1	80	8.3	337.8	3125	700	
725	13.8	47	6.4	334.6	2844	0.0	0	0.0	0.0	0	11.5	39	4.6	326.6	2819	11.0	77	8.7	338.1	2833	725	
750	15.0	50	7.2	335.3	2557	0.0	0	0.0	0.0	0	12.4	49	5.9	328.3	2535	12.9	74	9.2	338.3	2548	750	
775	16.2	54	8.1	336.2	2279	0.0	0	0.0	0.0	0	13.2	60	7.3	330.1	2259	14.7	71	9.6	338.6	2271	775	
800	17.4	58	9.0	337.1	2008	0.0	0	0.0	0.0	0	14.7	59	7.7	329.9	1991	15.5	72	10.1	337.8	2001	800	
825	18.5	61	10.0	338.2	1744	0.0	0	0.0	0.0	0	16.7	49	7.2	327.8	1730	15.3	79	10.5	335.6	1740	825	
850	18.7	77	12.3	341.8	1487	0.0	0	0.0	0.0	0	18.0	52	7.9	328.6	1474	17.0	76	11.0	336.0	1485	850	
875	19.1	96	15.4	348.2	1237	0.0	0	0.0	0.0	0	19.1	56	8.9	330.0	1226	18.7	73	11.4	336.4	1236	875	
900	20.8	93	16.2	349.6	993	18.5	79	11.8	334.4	996	20.2	60	10.0	331.6	983	20.4	70	11.7	336.6	993	900	
925	22.5	90	16.9	350.9	754	19.8	72	11.4	332.3	760	21.2	64	11.1	333.2	745	22.0	67	12.1	336.7	755	925	
950	24.1	87	17.6	352.1	520	21.1	66	11.0	330.1	529	23.2	63	11.9	335.0	513	23.5	64	12.5	337.2	523	950	
975	25.7	84	18.3	353.3	291	23.5	64	12.0	333.2	303	25.2	60	12.5	336.7	285	25.0	70	14.6	342.3	294	975	
1000	27.2	82	19.0	354.4	67	26.0	69	14.7	341.2	80	27.9	67	16.1	347.4	61	26.5	76	16.9	347.8	71	1000	
SFC.	27.7	81	19.1	354.8	0	27.1	77	17.5	349.3	0	29.0	75	19.1	356.6	0	27.0	78	17.6	349.7	0	SFC.	
				SURFACE PRESSURE	1007.5				SURFACE PRESSURE	1009.1				SURFACE PRESSURE	1006.9				SURFACE PRESSURE	1008.0		



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

4/ 3 1150 GMT				4/ 3 1450 GMT				4/ 3 1810 GMT				4/ 3 21 0 GMT									
P	T	RH	H	T	RH	W	EPT	T	RH	W	EPT	T	RH	W	EPT	H	P				
60	-65.1	0	0.0	465.3	19560	-63.9	0	0.0	467.9	19531	-64.4	0	0.0	466.8	19578	-62.3	0	0.0	471.5	19611	60
70	-67.7	0	0.0	439.5	18626	-67.6	0	0.0	439.7	18593	-67.6	18	.0	439.9	18636	-71.9	0	0.0	430.6	18676	70
80	-73.0	16	.0	412.1	17830	-71.5	0	0.0	415.4	17820	-69.4	19	.0	419.7	17836	-69.3	0	0.0	419.8	17884	80
90	-80.6	17	.0	383.4	17153	-78.2	18	.0	388.2	17123	-76.8	19	.0	391.0	17146	-78.5	18	.0	387.6	17202	90
100	-80.6	17	.0	372.0	16559	-80.2	20	.0	372.8	16524	-77.5	20	.0	378.0	16543	-75.8	18	.0	381.3	16597	100
110	-77.6	16	.0	367.6	16018	-77.8	19	.0	367.4	15982	-77.0	20	.0	368.8	15996	-74.6	18	.0	373.4	16045	110
120	-74.0	17	.0	365.2	15515	-75.5	18	.0	362.4	15482	-75.1	20	.0	363.2	15494	-73.4	18	.0	366.3	15537	120
130	-72.2	17	.0	360.2	15046	-73.1	18	.0	358.6	15016	-73.4	19	.0	358.1	15027	-72.3	18	.0	360.0	15068	130
140	-70.5	16	.0	355.6	14608	-70.2	18	.0	356.2	14578	-71.5	19	.0	353.9	14592	-70.3	18	.0	356.0	14630	140
150	-69.0	16	.0	351.3	14197	-67.5	18	.0	353.9	14166	-69.2	19	.0	350.9	14182	-68.4	18	.0	352.3	14218	150
160	-65.9	16	.0	350.1	13809	-65.0	18	.0	351.7	13774	-66.2	19	.0	349.6	13794	-65.6	18	.0	350.6	13829	160
170	-62.6	15	.0	349.6	13438	-62.6	18	.0	349.6	13463	-62.9	19	.0	349.0	13424	-62.2	18	.0	350.2	13457	170
180	-59.5	15	.0	349.0	13083	-59.5	18	.0	349.0	13048	-59.9	18	.0	348.3	13069	-59.0	18	.0	349.8	13102	180
190	-56.5	15	.0	348.4	12742	-56.5	18	.0	348.4	12707	-57.0	18	.0	347.7	12729	-56.0	18	.0	349.3	12760	190
200	-53.7	15	.0	347.8	12415	-53.7	18	.0	347.8	12380	-54.0	18	.0	347.4	12403	-53.1	18	.0	348.8	12432	200
225	-47.3	14	.0	346.2	11647	-47.3	18	.0	346.2	11612	-47.0	17	.0	346.7	11634	-46.2	17	.0	348.0	11661	225
250	-41.0	14	.1	345.4	10940	-41.6	18	.1	344.6	10906	-40.7	16	.1	345.9	10927	-40.2	19	.1	346.7	10951	250
275	-35.1	13	.1	344.8	10284	-36.4	18	.1	343.0	10252	-36.7	17	.1	342.5	10272	-35.3	25	.2	344.8	10294	275
300	-31.1	16	.1	342.1	9671	-32.2	19	.2	340.7	9643	-32.7	18	.1	339.9	9665	-30.8	30	.3	343.2	9682	300
325	-27.7	17	.2	339.3	9101	-27.9	21	.2	339.2	9074	-28.6	18	.2	338.1	9096	-26.6	34	.5	341.8	9109	325
350	-23.0	15	.3	338.7	8563	-23.7	29	.5	338.6	8537	-23.8	17	.3	337.8	8560	-22.8	39	.7	340.6	8569	350
375	-19.5	19	.4	337.4	8054	-21.2	55	1.0	337.4	8030	-19.3	17	.4	337.5	8052	-19.7	36	.8	338.4	8060	375
400	-16.6	57	1.5	338.8	7572	-16.8	63	1.6	338.9	7550	-16.5	30	.8	336.5	7570	-16.5	36	.9	337.0	7578	400
425	-12.5	28	1.0	336.4	7112	-13.1	62	2.0	339.4	7091	-12.8	32	1.1	336.5	7111	-13.5	49	1.6	337.2	7119	425
450	-10.8	43	1.6	335.3	6674	-10.8	56	2.1	337.0	6653	-9.2	34	1.4	336.7	6672	-10.5	26	1.0	333.6	6682	450
475	-8.9	90	3.7	339.4	6257	-7.9	39	1.7	334.3	6235	-7.0	27	1.3	333.8	6251	-7.7	24	1.1	332.4	6264	475
500	-6.2	70	3.4	336.8	5857	-5.7	57	2.9	335.9	5835	-5.1	21	1.1	330.8	5850	-5.0	24	1.3	331.5	5863	500
525	-3.7	58	3.2	334.6	5473	-3.4	46	2.6	333.2	5450	-2.6	32	1.9	331.9	5465	-2.4	25	1.5	330.8	5477	525
550	-1.6	87	5.4	339.6	5104	-1.4	76	4.8	337.9	5080	-.2	42	2.9	333.5	5094	.0	25	1.7	330.1	5106	550
575	1.0	84	6.0	340.5	4747	.2	92	6.2	339.9	4724	1.0	54	3.9	333.8	4737	2.0	31	2.3	330.3	4749	575
600	3.0	86	6.8	341.1	4403	1.5	98	7.0	339.6	4381	2.2	64	4.8	334.1	4394	2.9	52	4.1	332.7	4405	600
625	4.5	89	7.5	341.0	4070	4.0	93	7.6	340.6	4050	3.6	70	5.6	334.1	4063	4.8	52	4.5	332.4	4073	625
650	7.0	74	7.2	339.3	3748	6.3	74	6.9	337.6	3729	5.4	63	5.5	332.4	3743	6.7	52	4.9	332.1	3751	650
675	8.0	76	7.6	338.0	3437	8.2	62	6.3	334.6	3418	7.3	60	5.7	331.5	3433	8.4	52	5.3	332.0	3440	675
700	10.3	68	7.7	337.6	3135	10.0	65	7.1	335.7	3116	9.1	61	6.4	332.2	3132	10.2	52	5.8	331.8	3138	700
725	12.0	70	8.5	338.8	2841	10.3	97	10.5	342.4	2823	10.8	63	7.1	333.1	2840	11.8	52	6.2	331.8	2845	725
750	13.5	76	9.8	341.0	2556	11.8	89	10.3	340.2	2539	12.5	65	7.9	334.1	2556	13.4	52	6.7	331.8	2560	750
775	14.9	81	11.2	343.4	2278	12.6	93	11.1	340.3	2264	14.1	67	8.7	335.2	2280	14.9	52	7.2	331.9	2283	775
800	16.3	86	12.7	346.0	2008	13.8	96	12.0	341.0	1996	15.7	68	9.6	336.5	2010	15.9	58	8.2	332.8	2014	800
825	17.2	90	13.5	346.4	1744	15.8	89	12.3	341.1	1734	17.2	70	10.5	337.8	1748	16.8	63	9.2	333.8	1752	825
850	18.0	93	14.3	346.5	1488	17.5	89	13.3	343.1	1479	18.7	71	11.4	339.3	1491	17.7	68	10.2	334.8	1496	850
875	18.9	95	15.1	346.9	1238	19.1	90	14.5	345.4	1229	18.3	74	11.2	335.4	1242	19.1	69	11.0	335.8	1247	875
900	20.5	94	16.0	348.7	994	20.6	91	15.7	347.8	985	19.4	81	12.9	338.7	999	20.6	69	11.7	336.9	1004	900
925	22.1	92	17.0	350.5	756	22.1	92	16.9	350.3	747	21.1	82	14.1	341.3	762	22.1	68	12.5	337.9	766	925
950	23.6	91	18.0	352.4	522	23.5	93	18.2	352.9	513	22.8	83	15.3	344.1	529	23.5	68	13.2	339.1	533	950
975	25.1	90	18.9	354.2	293	25.0	94	19.5	355.6	284	24.4	83	16.6	347.0	301	24.9	68	13.9	340.3	305	975
1000	26.6	89	19.9	356.1	69	26.3	92	20.1	356.1	60	26.0	84	18.0	350.0	78	27.8	71	16.9	349.4	81	1000
SFC.	27.0	89	20.2	356.7	0	26.6	91	20.2	356.3	0	26.5	84	18.5	351.1	0	29.0	72	18.3	354.0	0	SFC.
				SURFACE PRESSURE	1007.8				SURFACE PRESSURE	1006.8				SURFACE PRESSURE	1008.8				SURFACE PRESSURE	1009.1	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

4/ 3 2353 GMT					4/ 4 312 GMT					4/ 4 617 GMT					4/ 4 9 5 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-62.4	0	0.0	471.2	19545	0.0	0	0.0	0.0	0	-60.9	24	.0	474.9	19540	-62.9	0	0.0	470.1	19564	60
70	-70.8	15	.0	433.0	18609	0.0	0	0.0	0.0	0	-66.5	25	.0	442.3	18595	-64.2	0	0.0	447.0	18615	70
80	-75.0	15	.0	408.1	17824	0.0	0	0.0	0.0	0	-74.8	25	.0	408.5	17804	-75.6	0	0.0	406.8	17825	80
90	-79.3	15	.0	385.9	17153	-79.1	18	.0	386.4	17238	-82.4	25	.0	379.8	17136	-82.1	19	.0	380.4	17165	90
100	-76.3	15	.0	380.3	16550	-75.9	17	.0	381.1	16665	-77.8	25	.0	377.4	16540	-75.6	20	.0	381.7	16565	100
110	-75.3	15	.0	372.0	15999	-73.5	17	.0	375.3	16051	-75.3	24	.0	372.1	15992	-75.3	21	.0	371.9	16014	110
120	-73.6	15	.0	366.0	15492	-72.2	17	.0	368.5	15540	-73.6	24	.0	366.0	15485	-77.4	20	.0	359.0	15511	120
130	-72.6	15	.0	359.5	15024	-72.2	17	.0	360.2	15069	-74.6	22	.0	355.9	15018	-74.1	20	.0	356.9	15048	130
140	-69.8	15	.0	356.8	14586	-69.3	17	.0	357.8	14629	-71.5	23	.0	353.8	14584	-71.0	20	.0	354.8	14612	140
150	-67.1	15	.0	354.6	14172	-66.5	17	.0	355.6	14215	-68.7	23	.0	351.8	14174	-68.1	20	.0	352.8	14201	150
160	-64.5	15	.0	352.4	13781	-63.9	17	.0	353.4	13822	-66.0	24	.0	349.9	13785	-65.4	20	.0	350.9	13811	160
170	-61.8	15	.0	350.8	13408	-61.0	17	.0	352.3	13448	-62.8	23	.0	349.3	13414	-62.2	19	.0	350.2	13439	170
180	-58.7	15	.0	350.2	13052	-58.1	16	.0	351.3	13090	-59.7	23	.0	348.6	13059	-59.1	19	.0	349.6	13084	180
190	-55.8	14	.0	349.6	12710	-55.4	16	.0	350.3	12747	-56.9	22	.0	347.9	12719	-56.1	18	.0	349.1	12742	190
200	-53.0	14	.0	348.9	12381	-52.8	15	.0	349.3	12418	-54.1	22	.0	347.2	12392	-53.3	18	.0	348.5	12414	200
225	-46.4	14	.0	347.6	11610	-46.3	15	.0	347.8	11647	-47.9	20	.0	345.4	11626	-46.7	17	.0	347.2	11645	225
250	-40.5	13	.1	346.2	10902	-39.9	14	.1	347.0	10938	-41.6	19	.1	344.5	10921	-40.6	17	.1	346.0	10937	250
275	-35.2	13	.1	344.6	10245	-34.3	13	.1	346.0	10279	-35.9	18	.1	343.8	10267	-35.1	17	.1	344.8	10280	275
300	-31.5	14	.1	341.5	9634	-30.4	17	.2	343.3	9665	-30.8	19	.2	342.7	9656	-30.4	18	.2	343.4	9667	300
325	-27.1	15	.2	340.1	9063	-26.8	20	.3	340.9	9091	-27.5	26	.3	340.1	9084	-27.8	29	.4	339.8	9095	325
350	-23.0	15	.3	338.8	8524	-22.7	18	.3	339.4	8552	-24.3	29	.4	337.7	8547	-23.9	23	.4	337.9	8559	350
375	-19.4	16	.3	337.3	8015	-18.9	16	.4	338.1	8042	-20.3	19	.4	336.3	8040	-19.7	17	.4	336.9	8051	375
400	-16.5	19	.5	335.5	7533	-15.6	32	.9	338.1	7558	-17.2	42	1.0	336.5	7559	-16.0	15	.4	335.8	7568	400
425	-13.3	34	1.1	335.9	7074	-12.2	39	1.4	338.2	7098	-13.7	45	1.4	336.5	7101	-13.2	28	.9	335.4	7109	425
450	-10.6	36	1.4	334.9	6636	-9.7	49	2.0	338.1	6658	-10.6	49	1.9	336.4	6664	-10.4	49	1.9	336.8	6671	450
475	-8.3	25	1.1	331.6	6218	-7.3	52	2.4	337.2	6239	-8.2	55	2.4	336.1	6245	-8.2	69	3.0	338.0	6253	475
500	-6.2	23	1.1	329.5	5819	-4.7	38	2.0	334.4	5837	-5.8	60	3.0	335.9	5845	-6.0	72	3.5	337.5	5852	500
525	-3.9	30	1.6	329.4	5435	-2.5	36	2.2	332.9	5451	-3.2	40	2.3	332.5	5460	-2.6	26	1.6	330.7	5468	525
550	-.6	21	1.4	328.4	5066	-.1	47	3.3	334.8	5080	-1.5	61	3.8	334.8	5091	-1.1	34	2.1	330.1	5098	550
575	1.4	32	2.3	329.5	4709	1.9	61	4.7	337.4	4723	.1	77	5.2	336.6	4735	.6	65	4.5	335.4	4742	575
600	2.5	49	3.7	331.2	4366	2.5	77	5.9	337.8	4378	1.8	72	5.3	335.0	4393	2.0	81	6.0	337.5	4398	600
625	3.8	57	4.6	331.5	4035	4.6	68	5.8	336.0	4046	3.8	81	6.5	337.3	4061	3.3	90	7.0	338.2	4067	625
650	5.2	58	5.0	330.6	3715	6.1	64	5.8	334.3	3725	5.8	81	7.2	338.0	3741	5.6	80	7.0	337.1	3747	650
675	6.6	59	5.3	329.8	3406	7.7	64	6.3	333.8	3415	7.8	76	7.5	337.5	3430	7.8	73	7.2	336.7	3437	675
700	8.6	58	5.8	329.9	3106	9.5	68	7.2	335.2	3113	9.6	72	7.7	336.9	3129	9.9	71	7.8	337.5	3135	700
725	10.6	56	6.2	330.3	2814	11.7	62	7.4	335.2	2821	11.4	67	7.9	336.2	2836	12.0	69	8.4	338.4	2841	725
750	12.5	55	6.7	330.7	2530	13.8	58	7.6	335.0	2535	13.2	63	8.0	335.4	2551	14.0	35	4.6	326.3	2556	750
775	14.4	54	7.2	331.1	2254	15.8	54	7.8	334.7	2258	14.5	68	9.2	337.0	2274	14.8	49	6.7	330.2	2279	775
800	15.9	54	7.8	331.6	1985	15.8	69	9.8	337.3	1988	15.7	74	10.4	339.0	2004	15.5	71	9.8	336.9	2010	800
825	16.9	59	8.7	332.5	1722	16.6	78	11.2	339.3	1725	17.1	76	11.3	340.1	1741	16.7	75	10.9	338.4	1748	825
850	17.9	63	9.6	333.4	1467	18.1	79	12.3	341.2	1470	17.8	86	13.0	342.7	1486	18.7	64	10.3	336.4	1492	850
875	18.2	68	10.2	332.5	1218	19.6	81	13.4	343.3	1220	19.0	87	13.8	343.5	1236	20.2	55	9.4	332.7	1242	875
900	19.3	68	10.7	332.6	976	21.1	83	14.6	345.5	975	20.6	85	14.6	344.8	992	20.7	64	10.9	334.8	998	900
925	21.0	67	11.4	333.6	739	22.5	84	15.8	347.8	737	22.3	82	15.3	346.0	754	21.1	90	15.5	344.9	760	925
950	22.5	66	12.0	334.6	507	23.9	85	17.1	350.3	503	23.9	80	16.0	347.3	520	22.9	89	16.7	347.8	528	950
975	24.1	65	12.6	335.6	280	25.7	84	18.1	352.9	274	25.5	78	16.6	348.4	292	24.7	82	16.7	347.6	300	975
1000	27.1	73	16.7	348.0	57	27.8	80	19.1	355.4	49	27.0	76	17.3	349.6	67	26.4	75	16.6	346.8	76	1000
SFC.	28.5	78	19.3	356.5	0	28.2	79	19.3	356.0	0	27.5	75	17.5	349.9	0	27.0	73	16.5	346.4	0	SFC.
	SURFACE PRESSURE 1006.4					SURFACE PRESSURE 1005.5					SURFACE PRESSURE 1007.6					SURFACE PRESSURE 1008.6					

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

4/ 4 1115 GMT					4/ 5 19 0 GMT					4/ 5 2332 GMT					4/ 6 553 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	0.0	0	0.0	0.0	0	-62.8	0	0.0	470.3	19568	-63.1	0	0.0	469.7	19556	-64.9	0	0.0	465.6	19641	60
70	-65.2	0	0.0	444.8	18611	-68.8	15	.0	437.2	18638	-67.5	0	0.0	440.0	18617	-69.5	0	0.0	435.7	18715	70
80	-70.5	25	.0	417.3	17805	-73.4	16	.0	411.5	17841	-72.8	15	.0	412.6	17822	-71.1	21	.0	416.2	17922	80
90	-81.0	25	.0	382.7	17126	-77.9	16	.0	388.9	17162	-78.8	16	.0	387.0	17141	-75.8	21	.0	393.0	17230	90
100	-79.0	24	.0	375.1	16530	-80.3	16	.0	372.6	16564	-81.4	16	.0	370.5	16548	-80.0	21	.0	373.2	16631	100
110	-78.5	25	.0	366.0	15987	-78.6	16	.0	365.7	16023	-79.7	16	.0	363.7	16011	-78.4	21	.0	366.2	16089	110
120	-78.0	26	.0	357.8	15490	-77.1	16	.0	359.5	15525	-76.7	15	.0	360.3	15511	-76.3	21	.0	361.0	15591	120
130	-75.1	25	.0	354.9	15031	-74.3	16	.0	356.4	15062	-74.4	15	.0	356.3	15048	-73.3	21	.0	358.3	15126	130
140	-71.5	23	.0	353.9	14597	-70.8	16	.0	355.0	14627	-71.8	15	.0	353.4	14614	-70.4	21	.0	355.8	14689	140
150	-68.0	22	.0	352.9	14186	-67.6	16	.0	353.6	14215	-68.2	15	.0	352.7	14204	-67.1	21	.0	354.5	14276	150
160	-64.8	21	.0	351.9	13795	-64.6	16	.0	352.3	13824	-64.8	15	.0	351.9	13813	-63.8	21	.0	353.6	13884	160
170	-61.7	20	.0	351.1	13423	-61.8	16	.0	351.0	13451	-61.6	15	.0	351.1	13440	-60.7	20	.0	352.7	13509	170
180	-58.7	20	.0	350.4	13066	-59.0	16	.0	349.7	13095	-58.7	14	.0	350.3	13084	-57.8	20	.0	351.8	13151	180
190	-55.8	20	.0	349.7	12724	-56.4	15	.0	348.6	12754	-55.8	14	.0	349.5	12742	-55.0	20	.0	350.9	12808	190
200	-53.0	21	.0	348.9	12396	-54.0	15	.0	347.4	12426	-53.2	14	.0	348.7	12414	-52.4	20	.0	350.0	12478	200
225	-46.8	21	.1	347.1	11625	-46.7	14	.0	347.1	11658	-46.9	14	.0	346.7	11644	-46.4	19	.1	347.6	11707	225
250	-41.0	20	.1	345.5	10918	-40.1	14	.1	346.7	10949	-40.4	14	.1	346.2	10936	-40.3	18	.1	346.5	10998	250
275	-35.0	21	.1	345.1	10262	-34.2	13	.1	346.2	10291	-34.5	14	.1	345.6	10278	-34.5	17	.1	345.8	10340	275
300	-32.0	32	.3	341.4	9649	-28.7	13	.2	345.6	9675	-29.2	13	.2	344.9	9663	-29.0	17	.2	345.3	9725	300
325	-27.9	34	.4	339.8	9079	-24.8	13	.2	343.3	9097	-24.2	13	.2	344.2	9086	-23.8	16	.3	345.0	9146	325
350	-24.5	32	.5	337.6	8544	-21.9	13	.3	340.3	8554	-19.8	13	.3	343.3	8540	-19.2	16	.4	344.4	8600	350
375	-20.2	25	.5	336.8	8037	-20.7	16	.3	335.5	8047	-19.6	14	.3	336.8	8029	-17.1	17	.4	340.8	8084	375
400	-16.2	19	.5	335.9	7555	-16.8	16	.4	334.7	7566	-16.1	15	.4	335.7	7546	-14.9	17	.5	337.6	7598	400
425	-14.1	50	1.5	336.2	7096	-12.4	15	.5	335.0	7117	-11.9	14	.5	335.6	7086	-10.6	17	.7	337.8	7136	425
450	-10.2	52	2.0	337.5	6659	-8.6	13	.6	334.5	6667	-8.4	18	.8	335.6	6645	-6.6	16	.8	338.1	6693	450
475	-8.7	78	3.3	338.2	6241	-6.8	15	.7	332.2	6246	-6.1	30	1.5	335.9	6224	-4.4	18	1.0	336.3	6268	475
500	-6.4	65	3.1	335.5	5842	-5.0	21	1.1	330.9	5845	-4.9	53	2.8	336.5	5822	-3.5	91	5.4	346.5	5863	500
525	-3.4	39	2.2	331.9	5457	-3.2	28	1.6	330.3	5460	-3.3	54	3.1	334.9	5437	-.4	87	6.1	348.0	5474	525
550	-1.3	41	2.5	331.1	5088	-1.7	40	2.4	330.3	5090	-1.6	52	3.2	332.8	5067	.7	66	4.8	340.7	5101	550
575	-.1	62	4.1	333.3	4733	.7	44	3.1	331.1	4735	.4	38	2.6	329.2	4712	1.9	53	4.1	335.5	4743	575
600	1.8	70	5.1	334.4	4390	2.8	49	3.9	331.9	4392	2.3	43	3.2	329.2	4369	3.6	69	5.7	338.4	4398	600
625	3.3	89	6.9	337.7	4059	4.3	59	4.9	333.1	4060	4.1	47	3.8	329.4	4038	6.0	66	6.2	339.0	4064	625
650	5.2	87	7.4	337.9	3739	6.3	60	5.6	333.6	3739	5.8	51	4.5	329.8	3718	8.5	52	5.6	336.6	3741	650
675	7.1	83	7.8	337.7	3429	8.5	56	5.8	333.2	3428	7.4	55	5.2	330.3	3408	10.5	41	4.8	332.9	3428	675
700	9.0	80	8.2	337.6	3128	10.1	59	6.6	334.2	3126	9.4	50	5.3	329.5	3107	11.8	32	4.0	328.4	3124	700
725	10.8	77	8.6	337.4	2836	11.2	65	7.4	334.6	2833	11.1	23	2.6	320.1	2815	12.9	49	6.3	333.2	2830	725
750	13.6	40	5.3	327.7	2552	12.6	37	4.4	324.2	2549	13.1	24	3.0	320.5	2531	12.0	72	8.5	335.2	2545	750
775	14.9	48	6.5	329.9	2275	14.7	23	3.1	319.6	2273	13.7	32	4.0	321.2	2255	14.6	94	12.8	347.6	2268	775
800	16.1	59	8.5	333.8	2005	15.3	43	5.8	325.4	2014	14.3	45	5.7	323.9	1987	16.1	96	14.0	349.5	1998	800
825	17.4	65	9.9	336.6	1742	15.9	62	8.6	330.9	1743	14.9	63	8.1	328.5	1727	17.4	96	14.6	349.8	1734	825
850	20.0	48	8.2	331.9	1486	17.2	71	10.3	334.4	1488	16.6	66	9.3	330.9	1473	18.6	95	15.3	350.2	1477	850
875	19.9	57	9.6	332.9	1235	18.9	71	11.3	336.4	1240	18.4	68	10.3	333.1	1225	19.8	95	16.0	350.6	1227	875
900	19.6	85	13.7	341.2	992	20.6	72	12.4	338.7	996	20.1	69	11.4	335.5	982	21.0	94	16.6	351.0	982	900
925	21.3	87	15.2	344.5	755	22.2	73	13.5	341.0	758	21.8	70	12.6	338.0	744	22.6	90	17.0	351.2	743	925
950	23.3	83	15.9	346.3	522	23.8	74	14.7	343.6	525	23.0	73	13.7	339.7	511	24.2	85	17.3	351.2	509	950
975	25.3	79	16.6	347.9	293	25.4	75	15.9	346.2	296	25.6	64	13.7	340.5	283	25.7	81	17.5	351.1	280	975
1000	27.2	74	17.1	349.4	69	27.2	74	17.2	349.7	72	28.7	66	16.5	349.7	59	27.1	77	17.7	350.8	56	1000
SFC.	27.8	73	17.3	349.8	0	28.0	80	19.2	355.3	0	29.8	72	19.2	358.0	0	27.5	76	17.7	350.7	0	SFC.
SURFACE PRESSURE 1007.8					SURFACE PRESSURE 1008.1					SURFACE PRESSURE 1006.6					SURFACE PRESSURE 1006.3						

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

4/ 6 1115 GMT					4/ 6 1511 GMT					4/ 6 1856 GMT					4/ 6 2050 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-64.8	0	0.0	465.9	19590	-67.0	0	0.0	460.9	19574	-64.4	0	0.0	466.8	19610	-64.7	0	0.0	466.1	19664	60	
70	-68.2	0	0.0	438.6	18662	-67.8	0	0.0	439.3	18645	-65.7	0	0.0	443.8	18675	-65.3	0	0.0	444.6	18725	70	
80	-73.2	21	.0	411.8	17866	-72.0	20	.0	414.2	17847	-71.4	30	.0	415.5	17871	-70.1	11	.0	418.2	17919	80	
90	-76.7	20	.0	391.1	17177	-77.2	20	.0	390.2	17162	-78.3	31	.0	388.0	17187	-76.0	12	.0	392.5	17229	90	
100	-81.4	20	.0	370.5	16582	-81.8	20	.0	369.7	16565	-80.0	31	.0	373.2	16589	-79.1	12	.0	374.9	16628	100	
110	-79.1	20	.0	364.9	16042	-79.4	20	.0	364.3	16028	-75.6	31	.0	371.4	16044	-76.1	12	.0	370.5	16082	110	
120	-76.4	20	.0	360.8	15544	-76.3	20	.0	361.0	15530	-75.3	31	.0	362.9	15538	-75.5	11	.0	362.5	15578	120	
130	-73.4	19	.0	358.0	15080	-72.9	20	.0	358.9	15065	-72.9	31	.0	358.9	15073	-72.7	11	.0	359.2	15113	130	
140	-70.7	19	.0	355.3	14643	-69.8	20	.0	356.9	14627	-69.4	31	.0	357.6	14635	-69.5	11	.0	357.4	14674	140	
150	-67.8	19	.0	353.3	14232	-66.9	19	.0	354.9	14213	-66.0	31	.0	356.4	14219	-66.5	11	.0	355.5	14260	150	
160	-64.7	19	.0	352.1	13840	-64.1	19	.0	353.1	13821	-62.9	31	.0	355.1	13825	-63.7	11	.0	353.8	13866	160	
170	-61.8	19	.0	351.0	13468	-61.6	19	.0	351.3	13447	-60.0	31	.0	353.9	13449	-60.7	10	.0	352.8	13492	170	
180	-59.0	19	.0	349.8	13112	-59.1	19	.0	349.6	13091	-57.3	31	.0	352.7	13090	-57.8	10	.0	351.7	13134	180	
190	-56.4	19	.0	348.6	12770	-56.1	19	.0	349.1	12750	-54.7	31	.0	351.5	12746	-54.9	10	.0	351.0	12790	190	
200	-53.7	19	.0	347.8	12443	-53.1	18	.0	348.7	12422	-52.2	31	.0	350.4	12416	-52.2	10	.0	350.3	12461	200	
225	-47.2	18	.0	346.5	11675	-46.3	17	.0	347.7	11651	-46.5	31	.1	347.6	11644	-45.8	10	.0	348.4	11687	225	
250	-41.1	17	.1	345.4	10968	-40.3	16	.1	346.5	10942	-41.2	31	.1	345.4	10937	-40.2	10	.0	346.5	10977	250	
275	-35.1	17	.1	344.9	10312	-34.8	15	.1	345.3	10284	-36.0	32	.2	343.9	10282	-34.9	10	.1	344.9	10320	275	
300	-29.6	16	.2	344.5	9698	-29.7	14	.2	344.1	9670	-31.3	33	.3	342.5	9672	-30.1	10	.1	343.4	9707	300	
325	-24.5	16	.3	343.9	9121	-25.1	13	.2	342.9	9094	-26.7	34	.4	341.6	9100	-25.8	10	.1	341.8	9132	325	
350	-19.9	16	.4	343.4	8577	-20.8	12	.3	341.7	8551	-22.0	35	.7	341.6	8560	-22.6	10	.2	339.1	8591	350	
375	-16.4	14	.4	341.6	8061	-20.1	15	.3	336.2	8040	-18.5	41	1.0	340.8	8048	-19.6	10	.2	336.5	8082	375	
400	-16.1	17	.5	335.9	7575	-16.9	14	.4	334.4	7558	-16.0	50	1.4	339.2	7564	-14.8	30	.9	339.2	7599	400	
425	-12.1	16	.6	335.6	7115	-12.6	13	.4	334.5	7099	-13.0	49	1.6	338.0	7105	-11.9	37	1.3	338.5	7138	425	
450	-11.9	14	.5	330.1	6678	-8.6	12	.5	334.5	6660	-10.1	50	2.0	337.4	6667	-9.6	44	1.8	337.5	6698	450	
475	-8.3	67	2.9	337.5	6261	-7.8	55	2.4	336.7	6239	-8.0	61	2.7	337.4	6248	-7.3	50	2.3	336.9	6279	475	
500	-5.5	99	5.1	343.0	5860	-6.4	83	4.0	338.4	5839	-5.9	72	3.6	337.7	5847	-4.3	70	3.9	340.9	5876	500	
525	-2.5	99	6.7	345.1	5474	-3.9	88	4.8	339.4	5455	-3.9	78	4.3	337.8	5463	-2.8	72	4.3	339.2	5490	525	
550	-.9	99	6.5	343.8	5103	-2.8	89	5.0	337.0	5086	-1.8	79	4.8	337.5	5094	-.9	69	4.5	337.7	5119	550	
575	1.2	73	5.3	338.5	4746	-.2	88	5.8	338.3	4731	.1	79	5.3	337.2	4738	.9	67	4.7	336.3	4763	575	
600	2.7	90	7.0	341.3	4402	2.3	88	6.6	339.7	4388	2.0	80	5.9	337.0	4395	2.8	58	4.5	333.9	4419	600	
625	5.1	73	6.4	338.6	4069	3.8	61	4.9	332.5	4057	3.8	80	6.4	337.0	4064	5.1	41	3.6	330.1	4087	625	
650	7.2	57	5.6	334.9	3747	6.2	55	5.0	332.0	3736	5.6	70	6.1	334.5	3743	7.3	28	2.7	326.3	3765	650	
675	9.0	61	6.5	336.1	3435	8.0	58	5.8	332.9	3425	7.4	58	5.6	331.4	3433	9.4	21	2.3	323.7	3454	675	
700	11.0	73	8.6	341.1	3132	9.7	63	6.8	334.4	3124	9.1	56	5.8	330.7	3133	11.1	44	5.3	331.4	3151	700	
725	12.9	22	2.8	322.8	2838	11.0	72	8.2	336.5	2831	10.7	58	6.4	331.0	2841	12.4	32	4.0	325.7	2858	725	
750	14.2	30	4.0	324.8	2553	12.6	46	5.6	327.5	2547	11.2	66	7.4	331.1	2557	13.8	47	6.2	330.9	2572	750	
775	15.3	42	6.0	328.7	2276	14.4	45	6.0	327.7	2271	12.7	80	9.6	336.0	2282	15.2	54	7.5	333.1	2295	775	
800	15.8	87	12.3	344.3	2006	13.7	97	12.1	341.1	2002	14.2	86	11.0	338.7	2014	16.5	60	8.8	335.4	2025	800	
825	16.8	97	14.3	348.0	1743	15.6	97	13.2	343.4	1741	15.7	88	12.0	340.4	1753	17.8	66	10.3	338.0	1762	825	
850	17.9	97	14.9	348.1	1487	17.3	97	14.4	345.9	1486	17.5	83	12.4	340.7	1497	19.1	71	11.7	340.8	1505	850	
875	19.0	97	15.5	348.1	1237	19.1	95	15.3	347.9	1236	19.3	79	12.7	340.8	1248	20.3	77	13.3	343.8	1254	875	
900	20.3	96	16.2	349.0	993	20.9	90	15.8	348.6	992	20.9	74	13.0	340.7	1004	21.8	79	14.6	346.2	1010	900	
925	22.2	93	17.2	351.3	755	22.7	85	16.2	349.1	753	21.8	81	14.6	343.4	766	23.4	79	15.6	348.4	770	925	
950	24.0	91	18.2	353.6	521	24.4	81	16.5	349.4	519	23.5	73	14.1	341.4	533	24.9	79	16.7	350.6	536	950	
975	25.8	88	19.2	355.9	292	26.0	76	16.8	349.6	290	24.7	69	14.0	340.1	305	26.3	75	16.8	349.9	306	975	
1000	27.5	86	20.2	358.2	67	26.5	84	18.6	352.6	65	25.5	75	15.7	343.1	82	27.4	78	18.1	352.3	82	1000	
SFC.	28.0	85	20.5	358.9	0	26.7	86	19.2	353.5	0	25.5	88	18.2	349.1	0	27.5	85	19.8	356.2	0	SFC.	
				SURFACE PRESSURE	1007.5				SURFACE PRESSURE	1007.4				SURFACE PRESSURE	1009.3				SURFACE PRESSURE	1009.2		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

4/ 6 2349 GMT					4/ 7 416 GMT					4/ 7 659 GMT					4/ 7 915 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	T	RH	W	EPT	H	P
60	-66.3	0	0.0	462.5	19633	-68.1	0	0.0	458.5	19539	-69.4	20	.0	455.7	19548	-68.1	0	0.0	458.5	19647	50	
70	-66.6	14	.0	442.0	18699	-68.1	0	0.0	438.7	18614	-70.4	20	.0	433.8	18631	-69.8	0	0.0	435.1	18726	70	
80	-70.0	14	.0	418.4	17896	-70.5	0	0.0	417.3	17816	-71.3	20	.0	415.7	17840	-72.2	14	.0	413.9	17939	80	
90	-77.1	14	.0	390.3	17207	-76.3	16	.0	391.9	17123	-76.3	20	.0	392.0	17148	-75.9	15	.0	392.7	17253	90	
100	-79.4	14	.0	374.3	16609	-81.1	18	.0	371.1	16525	-80.3	20	.0	372.6	16548	-79.3	16	.0	374.5	16649	100	
110	-75.5	14	.0	371.6	16063	-77.7	18	.0	367.4	15985	-78.5	20	.0	365.9	16007	-76.4	16	.0	369.9	16104	110	
120	-76.2	14	.0	361.2	15560	-74.7	18	.0	364.0	15483	-76.9	19	.0	359.9	15509	-75.0	16	.0	363.5	15600	120	
130	-72.7	14	.0	359.3	15094	-75.3	17	.0	354.6	15019	-74.7	19	.0	355.7	15047	-73.5	16	.0	357.8	15135	130	
140	-69.5	13	.0	357.4	14656	-72.2	16	.0	352.7	14586	-71.6	19	.0	353.6	14613	-70.5	16	.0	355.7	14698	140	
150	-66.5	13	.0	355.5	14242	-69.1	16	.0	351.1	14177	-68.6	19	.0	351.9	14203	-67.6	15	.0	353.7	14286	150	
160	-63.7	13	.0	353.8	13848	-65.8	16	.0	350.2	13788	-65.6	19	.0	350.5	13813	-64.9	15	.0	351.8	13895	160	
170	-61.1	12	.0	352.1	13474	-62.8	16	.0	349.3	13417	-62.8	19	.0	349.2	13442	-61.8	15	.0	350.9	13522	170	
180	-58.6	12	.0	350.4	13117	-59.9	16	.0	348.4	13063	-60.1	19	.0	347.9	13088	-58.9	15	.0	350.0	13166	180	
190	-55.6	12	.0	349.8	12775	-57.1	15	.0	347.5	12723	-57.6	19	.0	346.6	12749	-56.1	14	.0	349.1	12825	190	
200	-52.8	12	.0	349.2	12446	-54.5	15	.0	346.5	12396	-54.9	18	.0	346.0	12423	-53.5	14	.0	348.2	12497	200	
225	-46.4	12	.0	347.6	11675	-48.3	15	.0	344.7	11632	-48.1	17	.0	345.0	11658	-47.0	13	.0	346.6	11728	225	
250	-40.3	12	.1	346.3	10966	-41.8	14	.1	344.1	10928	-42.0	15	.1	343.9	10955	-40.6	12	.1	345.9	11021	250	
275	-34.7	11	.1	345.3	10308	-36.1	13	.1	343.3	10274	-36.3	15	.1	343.0	10302	-34.8	10	.1	345.1	10363	275	
300	-29.6	11	.1	344.2	9694	-31.0	14	.1	342.2	9664	-31.1	14	.1	342.1	9691	-29.7	10	.1	344.0	9750	300	
325	-24.9	10	.2	343.1	9118	-26.4	14	.2	341.1	9091	-26.5	14	.2	340.9	9119	-25.1	10	.2	342.8	9173	325	
350	-20.5	10	.2	342.0	8574	-22.1	15	.3	340.1	8550	-22.4	14	.3	339.6	8579	-20.7	10	.2	341.7	8630	350	
375	-16.7	17	.5	341.3	8060	-18.1	16	.4	339.1	8039	-18.6	14	.3	338.3	8068	-16.7	10	.3	340.6	8116	375	
400	-13.2	24	.8	341.0	7572	-15.1	41	1.2	339.8	7554	-15.0	14	.4	337.1	7584	-13.0	10	.4	339.5	7628	400	
425	-10.9	34	1.3	339.8	7108	-12.1	48	1.7	339.5	7092	-11.9	31	1.1	337.9	7122	-10.3	25	1.0	339.4	7163	425	
450	-8.7	43	1.9	339.0	6667	-9.3	46	1.9	338.3	6653	-8.7	32	1.4	337.4	6682	-7.6	27	1.3	338.4	6721	450	
475	-6.9	49	2.4	337.6	6246	-6.3	42	2.1	337.6	6232	-6.1	29	1.5	335.8	6261	-4.9	16	.9	335.1	6298	475	
500	-5.2	52	2.7	335.9	5844	-5.2	70	3.7	339.0	5829	-4.1	40	2.3	335.8	5858	-3.4	52	3.1	339.3	5894	500	
525	-3.3	54	3.1	334.8	5459	-3.5	72	4.0	337.5	5444	-3.3	66	3.8	336.9	5472	-2.2	76	4.7	341.4	5507	525	
550	.1	49	3.4	335.7	5089	-1.5	58	3.6	334.3	5074	-.9	53	3.4	334.5	5102	.0	56	3.9	336.9	5135	550	
575	1.7	50	3.8	334.5	4731	.6	54	3.8	333.0	4719	1.1	51	3.7	333.4	4746	1.8	53	4.1	335.5	4777	575	
600	3.3	52	4.2	333.5	4387	2.6	52	4.0	332.1	4375	3.0	49	3.9	332.4	4402	3.5	61	5.0	336.2	4433	600	
625	5.3	44	3.9	331.3	4054	4.8	51	4.4	332.3	4044	4.9	47	4.1	331.2	4070	5.7	44	4.0	332.2	4100	625	
650	7.6	32	3.2	328.2	3732	7.0	31	3.0	326.8	3722	6.7	25	2.4	324.4	3749	8.0	19	2.0	324.7	3778	650	
675	9.7	22	2.4	324.5	3420	9.2	18	2.0	322.5	3411	8.8	26	2.7	324.4	3438	10.1	18	2.0	323.8	3465	675	
700	11.5	16	1.9	321.7	3118	11.3	19	2.2	322.4	3109	11.0	33	3.9	327.3	3136	12.1	21	2.6	324.6	3162	700	
725	12.9	18	2.3	321.2	2824	13.0	23	2.9	323.2	2815	14.0	21	2.8	324.1	2842	14.0	24	3.3	325.5	2867	725	
750	14.2	20	2.7	320.8	2539	14.5	28	3.8	324.7	2530	15.2	26	3.7	325.0	2556	15.9	27	4.0	326.7	2581	750	
775	14.9	35	4.8	324.8	2262	16.0	33	4.9	326.3	2252	16.3	31	4.7	326.1	2277	17.7	29	4.8	328.0	2301	775	
800	15.4	52	7.1	329.1	1993	17.0	43	6.6	329.7	1982	17.2	41	6.4	329.2	2007	18.8	41	6.9	332.6	2029	800	
825	16.5	60	8.6	331.6	1731	17.8	57	8.9	333.9	1719	17.9	56	8.8	334.0	1744	19.1	64	10.8	341.2	1765	825	
850	18.2	60	9.3	332.9	1476	18.4	70	11.1	338.2	1462	18.4	79	12.5	342.2	1487	19.4	86	14.5	349.0	1507	850	
875	19.7	61	10.2	334.3	1227	19.4	80	13.0	341.8	1213	19.9	83	14.0	345.1	1237	20.8	89	15.9	351.6	1256	875	
900	21.3	62	11.0	335.8	983	20.9	82	14.3	344.3	969	21.4	84	15.2	347.4	993	22.4	88	16.8	353.3	1011	900	
925	22.8	63	11.9	337.4	744	22.4	84	15.6	347.1	730	22.9	85	16.4	349.8	753	23.9	97	17.8	355.1	770	925	
950	24.2	64	12.9	339.1	511	23.8	85	17.0	350.0	496	24.3	86	17.6	352.3	519	25.4	86	18.7	356.9	535	950	
975	25.6	65	13.8	340.8	282	25.6	85	18.2	352.9	267	25.6	86	18.6	354.0	290	26.9	84	19.7	358.6	305	975	
1000	28.2	75	18.5	354.6	58	27.4	82	19.3	355.8	43	25.9	76	16.2	345.2	66	28.3	83	20.6	360.4	79	1000	
SFC.	29.5	83	21.9	365.0	0	27.8	82	19.6	356.3	0	26.0	73	15.5	342.6	0	28.8	83	20.9	361.1	0	SFC.	
				SURFACE PRESSURE	1006.5				SURFACE PRESSURE	1004.8				SURFACE PRESSURE	1007.5				SURFACE PRESSURE	1008.9		

A-47

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

4/ 7 1138 GMT					4/ 7 1814 GMT					4/ 8 051 GMT					4/ 8 545 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-67.6	0	0.0	459.5	19581	-63.9	0	0.0	467.9	19579	-65.9	0	0.0	463.4	19637	-65.5	0	0.0	464.3	19512	60	
70	-69.4	16	.0	436.0	18659	-66.6	17	.0	442.0	18641	-69.0	0	0.0	436.8	18708	-69.5	0	0.0	435.7	18585	70	
80	-73.9	17	.0	410.4	17871	-72.1	16	.0	414.1	17845	-71.7	0	0.0	415.0	17915	-73.5	23	.0	411.1	17791	80	
90	-77.9	17	.0	388.9	17191	-80.1	17	.0	384.4	17161	-79.1	0	0.0	386.5	17227	-80.0	25	.0	384.6	17112	90	
100	-81.4	18	.0	370.5	16594	-80.9	16	.0	371.4	16570	-80.0	15	.0	373.2	16632	-83.0	24	.0	367.4	16523	100	
110	-77.5	17	.0	367.8	16054	-77.4	17	.0	368.1	16028	-77.4	15	.0	368.1	16089	-80.2	24	.0	362.7	15991	110	
120	-75.3	17	.0	362.8	15552	-75.7	16	.0	362.1	15526	-75.0	15	.0	363.5	15587	-77.8	24	.0	358.3	15496	120	
130	-73.9	17	.0	357.2	15087	-73.3	16	.0	358.3	15061	-72.7	15	.0	359.2	15120	-75.1	24	.0	355.0	15035	130	
140	-70.6	17	.0	355.4	14651	-70.4	16	.0	355.8	14624	-70.2	15	.0	356.2	14683	-71.9	24	.0	353.3	14602	140	
150	-67.6	17	.0	353.7	14239	-67.8	17	.0	353.4	14212	-66.7	15	.0	355.2	14269	-68.7	24	.0	351.8	14192	150	
160	-64.7	17	.0	352.1	13848	-64.8	17	.0	351.9	13821	-63.4	14	.0	354.3	13876	-65.4	23	.0	350.9	13803	160	
170	-62.1	17	.0	350.5	13475	-61.8	17	.0	350.8	13448	-60.3	14	.0	353.3	13501	-62.3	23	.0	350.0	13431	170	
180	-59.4	17	.0	349.1	13120	-59.0	16	.0	349.7	13092	-57.4	14	.0	352.4	13142	-59.5	23	.0	349.1	13076	180	
190	-56.9	16	.0	347.9	12779	-56.4	16	.0	348.7	12751	-54.7	13	.0	351.4	12798	-56.7	22	.0	348.1	12735	190	
200	-54.2	16	.0	347.0	12452	-53.7	16	.0	347.9	12424	-52.1	13	.0	350.4	12468	-54.1	22	.0	347.2	12408	200	
225	-47.8	15	.0	345.5	11686	-47.0	16	.0	346.7	11655	-45.8	13	.0	348.5	11695	-48.2	21	.0	344.9	11642	225	
250	-41.5	14	.1	344.6	10981	-41.0	16	.1	345.5	10948	-40.0	13	.1	346.8	10984	-42.0	20	.1	343.9	10940	250	
275	-35.7	14	.1	343.9	10326	-35.5	16	.1	344.2	10292	-34.4	12	.1	345.8	10326	-36.1	19	.1	343.4	10286	275	
300	-30.3	13	.1	343.2	9714	-30.6	16	.2	342.9	9680	-29.3	12	.1	344.7	9711	-31.0	19	.2	342.4	9675	300	
325	-25.4	12	.2	342.4	9139	-26.0	16	.2	341.7	9116	-24.6	12	.2	343.6	9134	-26.4	18	.2	341.4	9102	325	
350	-20.9	13	.3	341.7	8597	-21.8	15	.3	340.6	8565	-20.2	11	.2	342.5	8589	-22.0	17	.3	340.4	8562	350	
375	-17.1	13	.3	340.3	8083	-18.5	15	.4	338.6	8054	-16.7	11	.3	340.7	8074	-18.8	18	.4	338.3	8051	375	
400	-13.6	12	.4	338.9	7596	-15.5	16	.5	336.6	7570	-13.7	11	.4	338.6	7587	-16.5	17	.4	335.3	7568	400	
425	-11.7	30	1.1	338.0	7134	-12.5	16	.6	335.0	7109	-10.7	12	.5	337.0	7123	-12.5	17	.6	335.2	7108	425	
450	-8.6	27	1.2	336.8	6693	-9.7	17	.7	333.6	6671	-7.9	12	.6	335.5	6682	-10.0	21	.8	333.7	6669	450	
475	-5.8	17	.9	334.2	6272	-7.9	25	1.1	332.2	6251	-5.2	13	.7	334.1	6259	-6.7	20	.9	333.1	6250	475	
500	-5.6	86	4.3	340.6	5870	-7.4	66	2.9	333.7	5853	-2.7	13	.8	332.8	5855	-3.8	18	1.0	332.1	5848	500	
525	-3.6	70	3.9	337.1	5485	-4.9	62	3.1	332.9	5471	-3.8	48	2.7	332.9	5469	-2.5	40	2.4	333.7	5461	525	
550	-1.3	63	4.0	335.7	5116	-2.6	61	3.5	332.5	5113	-.8	39	2.5	331.8	5099	-2.0	55	3.3	332.7	5092	550	
575	.8	65	4.6	335.8	4759	-.5	62	4.0	332.3	4749	1.9	32	2.5	330.6	4742	.4	41	2.8	329.7	4737	575	
600	3.1	54	4.3	333.6	4416	1.6	62	4.4	332.1	4417	4.0	34	2.9	330.5	4397	2.8	32	2.5	327.9	4393	600	
625	5.5	33	3.0	328.6	4083	3.9	58	4.7	332.0	4076	6.1	36	3.4	330.6	4064	5.0	41	3.6	329.9	4062	625	
650	7.7	16	1.6	323.1	3762	6.2	54	5.0	331.7	3756	8.0	38	3.9	330.8	3742	7.0	46	4.4	331.1	3740	650	
675	8.7	51	5.3	332.3	3450	8.4	50	5.2	331.4	3445	9.9	40	4.5	331.2	3429	9.2	36	3.9	328.6	3429	675	
700	11.4	26	3.1	325.4	3148	10.5	47	5.3	330.9	3143	11.2	49	5.9	333.4	3126	11.3	27	3.2	325.5	3126	700	
725	13.5	20	2.7	323.1	2853	12.6	43	5.4	330.3	2849	12.0	65	7.9	336.7	2832	12.6	35	4.5	327.4	2832	725	
750	15.3	23	3.3	323.8	2567	13.9	49	6.5	331.9	2564	14.0	58	7.7	335.5	2547	12.4	76	9.3	338.0	2548	750	
775	15.7	77	11.2	344.5	2289	14.6	62	8.4	334.9	2286	15.2	69	9.8	339.6	2269	13.8	85	10.9	341.3	2271	775	
800	14.8	97	12.9	344.8	2019	15.6	69	9.7	336.6	2017	17.2	62	9.6	338.3	1998	15.9	77	11.0	340.9	2002	800	
825	16.8	94	13.8	346.8	1757	17.1	67	10.0	336.5	1755	19.0	55	9.3	336.6	1735	17.4	78	12.0	342.3	1739	825	
850	18.7	91	14.7	348.7	1500	18.4	68	10.7	337.0	1499	20.2	58	10.2	337.9	1477	18.9	80	12.9	343.9	1482	850	
875	20.6	88	15.6	350.5	1250	19.4	72	11.8	338.3	1249	21.2	63	11.5	339.9	1226	20.3	81	13.9	345.5	1231	875	
900	22.1	87	16.3	351.7	1004	20.4	76	12.8	339.6	1006	22.2	68	12.8	342.0	981	21.6	82	15.0	347.2	987	900	
925	23.6	85	17.1	352.9	764	21.8	78	14.0	341.9	768	23.1	73	14.2	344.1	742	23.0	83	16.0	349.0	747	925	
950	25.0	84	17.9	354.1	530	23.4	79	15.2	344.5	535	24.5	72	14.9	345.1	508	24.3	84	17.1	350.8	513	950	
975	26.4	83	18.7	355.3	300	25.0	79	16.4	347.2	306	26.3	67	14.9	344.7	279	25.5	85	18.2	352.8	284	975	
1000	27.8	81	19.5	356.5	75	26.7	84	18.8	353.4	82	28.9	73	18.6	355.7	54	26.8	86	19.3	354.9	59	1000	
SFC.	28.2	81	19.7	356.9	0	27.6	88	20.7	358.7	0	30.0	80	21.7	365.3	0	27.1	86	19.7	355.4	0	SFC.	
				SURFACE PRESSURE	1008.4				SURFACE PRESSURE	1009.3				SURFACE PRESSURE	1006.0				SURFACE PRESSURE	1006.7		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

4/ 8 1138 GMT						4/ 8 1714 GMT					4/ 8 1920 GMT					4/ 8 2240 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-67.2	0	0.0	460.6	19572	0.0	0	0.0	0.0	0	-63.8	0	0.0	468.1	19615	-65.2	0	0.0	464.9	19539	60
70	-68.9	0	0.0	437.1	18648	0.0	0	0.0	0.0	0	-70.3	0	0.0	434.0	18686	-71.1	0	0.0	432.3	18613	70
80	-72.0	15	.0	414.4	17854	0.0	0	0.0	0.0	0	-72.3	0	0.0	413.5	17894	-71.6	0	0.0	415.0	17822	80
90	-77.6	16	.0	389.3	17169	0.0	0	0.0	0.0	0	-76.0	14	.0	392.6	17211	-74.1	0	0.0	396.4	17131	90
100	-83.2	17	.0	367.0	16574	0.0	0	0.0	0.0	0	-79.8	14	.0	373.6	16610	-79.4	60	.0	374.4	16524	100
110	-80.3	17	.0	362.6	16040	0.0	0	0.0	0.0	0	-78.6	14	.0	365.7	16071	-80.2	60	.0	362.9	15986	110
120	-77.7	17	.0	358.5	15545	0.0	0	0.0	0.0	0	-74.8	14	.0	363.8	15571	-77.9	60	.0	358.0	15492	120
130	-75.3	17	.0	354.7	15084	0.0	0	0.0	0.0	0	-72.2	14	.0	360.1	15102	-75.7	60	.0	353.9	15032	130
140	-71.9	16	.0	353.2	14651	0.0	0	0.0	0.0	0	-70.2	14	.0	356.2	14664	-72.4	60	.0	352.4	14600	140
150	-68.5	15	.0	352.1	14241	0.0	0	0.0	0.0	0	-66.9	14	.0	355.0	14251	-69.2	59	.0	351.0	14191	150
160	-64.8	15	.0	351.9	13851	0.0	0	0.0	0.0	0	-63.8	14	.0	353.7	13858	-66.3	59	.0	349.5	13802	160
170	-61.4	15	.0	351.5	13478	0.0	0	0.0	0.0	0	-61.4	14	.0	351.5	13484	-63.3	59	.0	348.4	13433	170
180	-58.2	15	.0	351.1	13121	0.0	0	0.0	0.0	0	-58.7	14	.0	350.3	13127	-60.2	59	.0	347.9	13079	180
190	-55.1	15	.0	350.7	12778	-56.0	20	.0	349.3	12769	-56.1	14	.0	349.1	12785	-57.3	60	.1	347.3	12739	190
200	-52.2	15	.0	350.2	12448	-52.9	20	.0	349.1	12440	-53.4	14	.0	348.4	12457	-54.5	60	.1	346.8	12413	200
225	-45.7	15	.0	348.6	11675	-45.9	20	.1	348.4	11669	-46.5	15	.0	347.5	11687	-46.8	60	.2	347.5	11645	225
250	-40.0	14	.1	347.0	10964	-41.6	20	.1	344.6	10961	-40.0	18	.1	346.9	10978	-40.7	61	.3	346.6	10937	250
275	-34.7	14	.1	345.3	10306	-36.1	18	.1	343.5	10307	-34.2	21	.2	346.3	10319	-35.2	61	.4	345.9	10281	275
300	-30.6	14	.1	342.8	9693	-30.9	18	.2	342.5	9696	-29.5	24	.3	344.9	9704	-30.2	61	.6	345.3	9668	300
325	-26.3	14	.2	341.3	9119	-26.2	19	.3	341.6	9123	-24.4	42	.7	345.6	9127	-25.6	62	.9	344.8	9093	325
350	-21.8	14	.3	340.4	8579	-21.9	30	.6	341.4	8582	-21.3	57	1.1	344.3	8584	-21.4	62	1.2	344.4	8551	350
375	-18.0	19	.5	339.6	8067	-18.2	55	1.3	342.4	8070	-18.1	60	1.5	343.0	8072	-18.1	63	1.6	343.4	8038	375
400	-15.2	35	1.0	339.0	7582	-14.4	48	1.5	341.7	7585	-15.2	64	1.9	341.9	7586	-14.9	64	1.9	342.5	7553	400
425	-12.2	50	1.7	339.5	7121	-12.1	64	2.3	341.5	7123	-12.4	72	2.5	341.7	7125	-12.2	67	2.4	341.7	7091	425
450	-9.8	63	2.5	339.7	6682	-9.5	78	3.2	342.3	6683	-9.8	79	3.2	341.9	6686	-9.6	70	2.9	341.1	6651	450
475	-6.8	23	1.1	333.5	6262	-6.7	80	3.9	342.8	6262	-7.3	86	4.0	342.3	6266	-7.1	73	3.4	340.8	6231	475
500	-5.2	38	2.0	333.7	5860	-5.7	70	3.5	337.7	5860	-5.0	91	4.8	342.8	5864	-4.8	75	4.0	340.6	5829	500
525	-3.9	73	4.0	336.9	5475	-2.1	58	3.6	338.0	5475	-3.4	93	5.3	341.4	5478	-2.6	78	4.7	340.7	5443	525
550	-2.1	66	4.0	334.5	5107	-.9	84	5.5	340.8	5103	-1.9	94	5.7	340.3	5109	-.9	80	5.2	339.9	5072	550
575	1.0	41	2.9	330.9	4751	.7	90	6.4	341.1	4747	-.4	95	6.2	339.2	4753	.3	81	5.5	338.0	4716	575
600	3.3	33	2.6	328.8	4407	3.2	78	6.3	339.8	4402	1.0	97	6.7	338.2	4411	1.5	82	5.8	336.2	4373	600
625	5.4	36	3.2	329.0	4075	5.5	69	6.3	338.7	4069	3.0	88	6.8	337.0	4081	3.8	82	6.6	337.6	4042	625
650	7.3	38	3.8	329.5	3753	7.4	68	6.7	338.5	3747	5.4	74	6.4	335.1	3761	6.1	83	7.6	339.4	3721	650
675	9.3	41	4.4	330.1	3441	9.2	66	7.2	338.3	3435	7.6	61	5.9	332.7	3451	6.9	84	7.8	337.3	3411	675
700	11.1	43	5.1	330.9	3139	10.9	65	7.6	338.2	3132	10.0	53	5.8	331.9	3149	9.0	83	8.6	338.6	3110	700
725	11.7	87	10.4	343.9	2845	10.8	79	8.9	338.3	2839	12.5	49	6.2	332.5	2856	11.0	81	9.3	339.6	2817	725
750	13.4	88	11.5	345.6	2559	12.6	97	12.0	346.1	2554	14.9	46	6.5	333.1	2570	13.0	75	9.5	339.5	2533	750
775	15.4	77	11.0	343.5	2281	14.2	96	12.7	346.8	2277	16.4	54	8.2	336.6	2291	14.4	70	9.3	337.3	2256	775
800	16.9	78	11.9	344.7	2010	16.0	95	13.7	348.5	2007	17.4	66	10.4	341.1	2020	15.5	M	M	M	1986	800
825	18.1	89	14.2	349.7	1746	17.3	94	14.3	348.9	1743	18.5	78	12.8	345.9	1756	16.7	M	M	M	1724	825
850	19.6	88	15.1	350.8	1489	18.7	93	14.9	349.2	1486	19.5	89	15.2	350.9	1498	17.8	M	M	M	1470	850
875	21.1	87	15.9	351.9	1237	19.9	91	15.5	349.5	1236	20.9	85	15.4	350.3	1247	18.9	M	M	M	1222	875
900	22.4	87	16.7	353.1	992	21.3	90	16.2	350.2	991	21.1	94	16.6	351.1	1002	19.7	M	M	M	981	900
925	23.8	86	17.5	354.3	751	22.7	89	17.0	351.3	752	22.3	94	17.5	352.3	763	20.4	M	M	M	744	925
950	25.1	85	18.4	355.5	516	24.0	88	17.8	352.4	518	23.5	94	18.4	353.5	529	21.2	M	M	M	513	950
975	26.4	85	19.2	356.7	287	25.4	87	18.5	353.5	289	24.7	95	19.3	354.7	301	22.0	94	16.3	343.0	287	975
1000	27.7	84	20.0	357.9	61	26.6	86	19.3	354.6	65	25.8	95	20.3	356.1	77	24.7	96	19.1	351.4	65	1000
SFC.	28.0	84	20.3	358.3	0	27.0	86	19.5	354.9	0	26.2	95	20.6	356.5	0	25.5	96	20.0	354.0	0	SFC.
				SURFACE PRESSURE	1006.9				SURFACE PRESSURE	1007.3				SURFACE PRESSURE	1008.7				SURFACE PRESSURE	1007.4	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

4/ 9 136 GMT						4/ 9 522 GMT					4/ 9 1115 GMT					4/ 9 1810 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	0.0	0	0.0	0.0	0	-67.7	0	0.0	459.4	19578	-69.5	0	0.0	455.5	19539	0.0	0	0.0	0.0	0	60	
70	0.0	0	0.0	0.0	0	-70.8	0	0.0	432.9	18652	-69.0	15	.0	436.9	18618	0.0	0	0.0	0.0	0	70	
80	0.0	0	0.0	0.0	0	-74.1	23	.0	410.0	17863	-72.2	16	.0	414.0	17823	0.0	0	0.0	0.0	0	80	
90	0.0	0	0.0	0.0	0	-77.5	24	.0	389.6	17185	-78.7	16	.0	387.1	17142	0.0	0	0.0	0.0	0	90	
100	0.0	0	0.0	0.0	0	-83.4	25	.0	366.6	16591	-84.0	17	.0	365.5	16550	0.0	0	0.0	0.0	0	100	
110	0.0	0	0.0	0.0	0	-80.2	24	.0	362.8	16057	-81.3	16	.0	360.7	16020	0.0	0	0.0	0.0	0	110	
120	0.0	0	0.0	0.0	0	-77.3	24	.0	359.2	15561	-77.8	16	.0	358.2	15526	0.0	0	0.0	0.0	0	120	
130	0.0	0	0.0	0.0	0	-74.6	23	.0	355.9	15099	-74.4	16	.0	356.3	15065	0.0	0	0.0	0.0	0	130	
140	0.0	0	0.0	0.0	0	-70.9	22	.0	354.9	14664	-71.0	16	.0	354.8	14630	0.0	0	0.0	0.0	0	140	
150	0.0	0	0.0	0.0	0	-67.5	22	.0	353.9	14252	-67.8	16	.0	353.3	14218	0.0	0	0.0	0.0	0	150	
160	0.0	0	0.0	0.0	0	-64.8	22	.0	352.0	13861	-64.9	16	.0	351.9	13827	0.0	0	0.0	0.0	0	160	
170	0.0	0	0.0	0.0	0	-62.2	23	.0	350.3	13488	-62.1	16	.0	350.4	13455	0.0	0	0.0	0.0	0	170	
180	0.0	0	0.0	0.0	0	-59.7	23	.0	348.6	13133	-59.4	16	.0	349.1	13099	0.0	0	0.0	0.0	0	180	
190	0.0	0	0.0	0.0	0	-56.6	22	.0	348.3	12793	-57.0	16	.0	347.7	12759	0.0	0	0.0	0.0	0	190	
200	0.0	0	0.0	0.0	0	-53.6	22	.0	348.1	12465	-54.6	16	.0	346.4	12432	0.0	0	0.0	0.0	0	200	
225	0.0	0	0.0	0.0	0	-46.5	21	.1	347.4	11696	-47.7	14	.0	345.5	11667	0.0	0	0.0	0.0	0	225	
250	0.0	0	0.0	0.0	0	-40.4	30	.1	346.7	10987	-41.5	13	.1	344.5	10962	0.0	0	0.0	0.0	0	250	
275	0.0	0	0.0	0.0	0	-34.5	26	.2	346.0	10329	-35.8	13	.1	343.7	10307	0.0	0	0.0	0.0	0	275	
300	0.0	0	0.0	0.0	0	-29.3	46	.5	346.2	9714	-30.6	13	.1	342.8	9696	0.0	0	0.0	0.0	0	300	
325	0.0	0	0.0	0.0	0	-25.2	51	.8	345.0	9138	-26.2	14	.2	341.4	9122	0.0	0	0.0	0.0	0	325	
350	0.0	0	0.0	0.0	0	-20.5	29	.6	343.5	8594	-22.1	15	.3	340.1	8582	0.0	0	0.0	0.0	0	350	
375	0.0	0	0.0	0.0	0	-17.1	31	.8	342.1	8080	-18.3	16	.4	338.8	8071	0.0	0	0.0	0.0	0	375	
400	0.0	0	0.0	0.0	0	-13.9	33	1.1	340.9	7593	-14.8	17	.5	337.7	7585	0.0	0	0.0	0.0	0	400	
425	0.0	0	0.0	0.0	0	-12.5	64	2.2	340.7	7131	-12.8	53	1.8	338.9	7125	0.0	0	0.0	0.0	0	425	
450	0.0	0	0.0	0.0	0	-10.8	88	3.3	340.9	6693	-11.0	57	2.1	336.7	6686	0.0	0	0.0	0.0	0	450	
475	0.0	0	0.0	0.0	0	-7.7	90	4.0	341.9	6274	-8.4	93	4.0	340.9	6269	0.0	0	0.0	0.0	0	475	
500	-5.0	98	5.2	343.9	5819	-4.8	91	4.9	343.2	5872	-5.6	95	4.8	341.9	5868	0.0	0	0.0	0.0	0	500	
525	-3.3	96	5.5	342.4	5433	-2.1	92	5.8	344.7	5485	-2.9	84	4.9	341.1	5483	0.0	0	0.0	0.0	0	525	
550	-1.3	92	5.8	341.2	5063	.3	91	6.5	345.2	5113	-.6	85	5.6	341.6	5112	-1.8	87	5.3	339.1	5076	550	
575	.3	89	6.0	339.5	4707	2.6	89	7.2	345.9	4754	1.2	77	5.6	339.3	4754	.0	80	5.4	337.2	4719	575	
600	.9	88	6.0	336.1	4365	2.7	87	6.8	340.6	4409	3.1	26	2.1	326.7	4410	1.1	76	5.3	334.1	4378	600	
625	2.8	88	6.6	336.2	4035	5.5	72	6.5	339.4	4076	5.3	29	2.6	327.0	4078	2.8	76	5.7	333.6	4047	625	
650	4.6	88	7.2	336.3	3715	8.1	58	6.1	337.4	3753	7.4	31	3.1	327.5	3757	4.8	89	7.4	337.3	3728	650	
675	6.3	88	7.8	336.6	3406	10.6	46	5.4	334.8	3440	9.5	33	3.7	328.1	3445	6.2	74	6.5	332.5	3419	675	
700	7.9	88	8.5	336.9	3106	12.5	43	5.5	334.0	3136	11.4	36	4.3	328.9	3142	8.3	61	5.9	330.1	3119	700	
725	9.6	88	9.1	337.4	2815	14.4	40	5.6	333.0	2841	13.3	46	6.1	333.1	2848	8.6	93	9.1	336.0	2829	725	
750	12.3	82	9.8	339.4	2531	16.2	44	6.7	335.3	2553	14.6	72	10.1	343.1	2561	10.7	97	10.5	339.5	2547	750	
775	14.2	85	11.2	342.5	2254	18.0	56	9.5	342.3	2273	15.4	84	12.1	346.4	2283	13.0	94	11.5	341.8	2271	775	
800	15.6	79	11.1	340.8	1985	19.7	45	8.2	337.4	2000	17.0	80	12.3	345.9	2012	14.9	89	12.0	342.2	2002	800	
825	17.7	79	12.3	343.6	1721	21.1	46	8.9	338.2	1734	18.6	89	14.8	351.8	1748	15.5	96	13.0	342.9	1741	825	
850	17.9	88	13.5	344.1	1465	21.8	57	11.0	342.1	1475	20.0	89	15.7	352.9	1490	17.5	93	13.9	344.6	1486	850	
875	18.1	97	14.6	344.5	1216	22.4	67	13.1	345.9	1222	21.3	89	16.4	353.6	1238	19.9	83	14.1	345.5	1235	875	
900	19.6	97	15.7	346.4	973	23.0	77	15.2	349.6	976	22.5	88	17.1	354.3	992	20.5	90	15.5	347.1	991	900	
925	21.1	97	16.7	348.4	735	24.0	81	16.7	352.0	736	23.7	88	17.8	354.9	752	21.7	99	17.7	352.1	753	925	
950	22.5	97	17.8	350.5	502	25.1	83	17.8	353.8	501	24.9	87	18.5	355.6	517	23.1	98	18.6	353.5	520	950	
975	23.9	97	18.9	352.4	274	26.3	84	18.9	355.7	271	26.1	87	19.2	356.3	287	24.2	97	19.2	353.7	291	975	
1000	25.0	96	19.6	353.2	51	27.4	86	20.0	357.6	46	27.2	86	19.9	357.1	62	25.2	96	19.8	353.9	68	1000	
SFC.	25.3	96	19.7	353.3	0	27.6	86	20.3	358.0	0	27.5	86	20.1	357.3	0	25.5	96	20.0	354.0	0	SFC.	
					SURFACE PRESSURE 1005.8					SURFACE PRESSURE 1005.2					SURFACE PRESSURE 1007.0						SURFACE PRESSURE 1007.7	



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

4/ 9 2326 GMT						4/10 555 GMT					4/10 1123 GMT					4/10 17 4 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-65.3	0	0.0	464.9	19522	0.0	0	0.0	0.0	0	-67.0	0	0.0	461.0	19494	-61.8	0	0.0	472.6	19450	60	
70	-73.1	0	0.0	428.1	18603	0.0	0	0.0	0.0	0	-71.6	0	0.0	431.2	18573	-74.0	0	0.0	426.1	18527	70	
80	-75.3	0	0.0	407.5	17825	0.0	0	0.0	0.0	0	-74.1	26	.0	409.9	17791	-75.8	22	.0	406.4	17755	80	
90	-77.3	18	.0	390.0	17147	0.0	0	0.0	0.0	0	-79.2	26	.0	386.3	17110	-80.3	22	.0	384.0	17083	90	
100	-75.0	18	.0	382.9	16539	-80.0	56	.0	373.2	16479	-79.0	26	.0	375.1	16512	-77.2	23	.0	378.6	16483	100	
110	-80.6	18	.0	362.0	15996	-83.0	56	.0	357.5	15945	-80.0	26	.0	363.2	15972	-80.4	22	.0	362.4	15940	110	
120	-77.8	18	.0	358.2	15502	-78.3	56	.0	357.3	15454	-79.1	26	.0	356.0	15480	-78.3	22	.0	357.3	15448	120	
130	-75.3	18	.0	354.7	15041	-75.1	56	.0	355.1	14993	-75.7	26	.0	354.0	15021	-74.4	22	.0	356.2	14987	130	
140	-71.9	18	.0	353.2	14609	-72.2	56	.0	352.7	14560	-72.5	26	.0	352.1	14589	-72.5	22	.0	352.1	14553	140	
150	-68.4	17	.0	352.2	14198	-70.4	56	.0	349.0	14152	-69.6	25	.0	350.3	14181	-70.6	22	.0	348.5	14146	150	
160	-65.2	17	.0	351.2	13808	-67.6	56	.0	347.2	13767	-66.8	25	.0	348.5	13793	-67.8	22	.0	347.0	13760	160	
170	-62.2	16	.0	350.2	13437	-64.8	56	.0	345.9	13399	-64.3	25	.0	346.8	13425	-64.9	22	.0	345.8	13393	170	
180	-59.4	16	.0	349.2	13081	-61.6	56	.0	345.6	13048	-61.5	24	.0	345.7	13073	-61.3	22	.0	346.1	13042	180	
190	-56.4	16	.0	348.6	12740	-58.4	56	.0	345.5	12711	-58.5	23	.0	345.3	12735	-57.9	22	.0	346.2	12703	190	
200	-53.5	16	.0	348.1	12413	-55.5	56	.1	345.1	12386	-55.5	22	.0	344.9	12411	-55.0	22	.0	345.8	12378	200	
225	-47.0	16	.0	346.7	11644	-48.8	58	.1	344.2	11624	-48.5	19	.0	344.4	11648	-48.4	21	.0	344.5	11614	225	
250	-40.6	16	.1	346.0	10936	-41.8	61	.2	344.9	10921	-41.7	17	.1	344.4	10945	-42.0	19	.1	343.9	10911	250	
275	-34.8	16	.1	345.2	10279	-36.0	66	.4	344.7	10267	-36.0	16	.1	343.5	10290	-36.0	15	.1	343.4	10258	275	
300	-29.6	16	.2	344.5	9665	-31.2	70	.7	344.0	9656	-31.2	15	.1	342.0	9680	-30.8	15	.2	342.7	9647	300	
325	-25.0	19	.3	343.5	9088	-26.7	73	1.0	343.6	9084	-27.8	72	.9	341.6	9109	-26.2	21	.3	341.8	9073	325	
350	-21.2	26	.5	342.3	8546	-22.8	77	1.4	343.0	8544	-22.9	62	1.1	341.8	8571	-22.8	42	.7	340.9	8534	350	
375	-17.6	32	.8	341.4	8033	-19.2	81	1.8	342.7	8034	-18.4	52	1.3	341.9	8060	-20.0	56	1.2	339.4	8024	375	
400	-14.3	38	1.2	340.8	7546	-15.8	84	2.3	342.7	7550	-15.1	58	1.7	341.5	7575	-16.8	50	1.3	337.8	7543	400	
425	-11.3	38	1.4	339.6	7084	-13.1	83	2.7	341.5	7091	-13.0	76	2.5	341.1	7115	-14.2	57	1.7	336.8	7085	425	
450	-10.3	36	1.4	335.3	6644	-10.6	83	3.1	340.5	6652	-10.5	77	2.9	340.1	6676	-12.0	70	2.4	336.3	6649	450	
475	-7.8	38	1.7	334.2	6225	-8.2	80	3.5	339.5	6234	-8.2	78	3.4	339.3	6258	-9.0	68	2.8	336.2	6233	475	
500	-5.3	43	2.2	334.2	5824	-5.8	97	4.8	341.9	5833	-5.9	79	3.9	338.6	5857	-6.2	66	3.2	336.3	5833	500	
525	-3.0	51	3.0	334.8	5439	-3.8	98	5.4	341.2	5449	-3.8	93	5.1	340.6	5473	-3.8	66	3.6	335.8	5449	525	
550	-1.1	65	4.2	336.5	5069	-2.0	98	5.9	340.7	5079	-1.8	97	5.9	340.8	5103	-2.8	69	3.9	333.4	5081	550	
575	.5	79	5.4	338.0	4713	-.2	99	6.5	340.2	4724	-.0	97	6.5	340.5	4748	-.6	70	4.5	333.7	4726	575	
600	.6	73	4.9	332.2	4371	1.0	99	6.8	338.6	4381	1.7	98	7.1	340.3	4405	1.6	68	4.9	333.5	4384	600	
625	2.0	70	4.9	330.2	4042	1.6	98	6.7	335.0	4052	4.0	84	6.8	338.4	4073	3.9	58	4.7	332.0	4053	625	
650	4.8	55	4.5	328.8	3724	2.7	90	6.5	331.9	3735	6.2	70	6.4	336.0	3753	5.7	54	4.8	330.5	3733	650	
675	5.1	54	4.4	325.0	3415	4.9	72	5.8	329.0	3427	8.2	65	6.6	335.4	3442	7.3	52	5.0	329.4	3423	675	
700	7.2	66	6.0	328.9	3117	7.2	55	5.0	325.9	3129	10.0	65	7.2	336.0	3140	8.4	58	5.7	329.5	3123	700	
725	9.2	78	7.9	333.5	2826	9.9	40	4.2	323.4	2839	12.2	36	4.4	326.8	2847	10.4	48	5.2	327.2	2832	725	
750	10.9	77	8.4	333.6	2544	12.5	25	3.0	319.7	2556	14.3	31	4.3	325.7	2561	12.9	28	3.4	321.6	2548	750	
775	12.4	72	8.4	332.3	2269	14.7	28	3.7	321.5	2280	16.4	27	4.0	324.3	2284	14.1	42	5.4	325.7	2272	775	
800	14.0	76	9.5	334.4	2001	16.9	33	4.9	324.5	2011	18.4	22	3.7	322.6	2013	16.0	34	4.9	323.4	2004	800	
825	15.6	79	10.7	336.7	1740	18.2	39	6.3	327.2	1748	20.3	19	3.4	321.0	1749	17.9	25	3.9	319.7	1742	825	
850	17.2	82	12.0	339.1	1485	18.4	49	7.7	328.4	1492	20.4	41	7.3	329.8	1491	19.2	28	4.6	320.4	1486	850	
875	18.5	85	13.1	340.9	1236	19.6	67	11.0	336.5	1242	20.4	63	11.0	337.4	1241	19.7	42	7.0	325.2	1237	875	
900	19.4	88	13.9	341.5	993	20.9	73	12.8	340.1	998	20.5	85	14.4	344.1	997	20.2	58	9.6	330.6	994	900	
925	21.3	92	16.1	347.0	755	22.1	75	13.7	341.5	760	21.7	91	16.2	347.9	759	19.9	84	13.5	338.1	757	925	
950	23.1	93	17.8	351.1	522	23.3	76	14.7	342.9	527	23.7	87	17.1	350.1	525	21.4	91	15.6	343.1	525	950	
975	25.4	84	17.9	351.8	294	24.5	78	15.7	344.4	299	25.6	84	18.0	352.1	296	23.6	87	16.5	345.7	298	975	
1000	27.3	82	19.1	354.9	69	25.6	79	16.7	346.0	76	27.4	80	18.7	354.1	72	25.7	82	17.4	348.1	75	1000	
SFC.	27.5	88	20.6	358.5	0	26.0	80	17.0	346.6	0	28.0	79	19.0	354.7	0	26.4	81	17.7	348.9	0	SFC.	
				SURFACE PRESSURE	1007.8				SURFACE PRESSURE	1008.6				SURFACE PRESSURE	1008.1				SURFACE PRESSURE	1008.5		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

4/10 1932 GMT					4/10 2232 GMT					4/11 123 GMT					4/11 558 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P						
60	-61.3	0	0.0	473.7	19565	0.0	0	0.0	0.0	0	-63.2	0	0.0	469.4	19575	0.0	0	0.0	0.0	0	60	
70	-70.8	0	0.0	433.0	18633	0.0	0	0.0	0.0	0	-68.0	16	.0	439.0	18642	0.0	0	0.0	0.0	0	70	
80	-75.0	17	.0	408.0	17852	0.0	0	0.0	0.0	0	-74.2	16	.0	409.7	17852	-77.0	21	.0	404.0	17919	80	
90	-79.1	17	.0	386.5	17177	0.0	0	0.0	0.0	0	-76.8	17	.0	391.0	17171	-78.8	22	.0	387.0	17246	90	
100	-76.8	17	.0	379.4	16574	-78.4	20	.0	376.3	16585	-79.1	17	.0	374.9	16568	-80.4	22	.0	372.4	16649	100	
110	-78.9	17	.0	365.2	16031	-80.1	20	.0	362.9	16047	-79.6	18	.0	363.9	16028	-77.4	21	.0	368.1	16110	110	
120	-78.5	17	.0	357.0	15536	-77.2	20	.0	359.4	15551	-77.0	19	.0	359.8	15531	-73.4	22	.0	366.3	15605	120	
130	-74.4	17	.0	356.2	15075	-74.5	20	.0	356.1	15089	-74.5	20	.0	356.1	15069	-70.3	22	.0	363.5	15134	130	
140	-70.6	17	.0	355.4	14639	-70.6	20	.0	355.4	14653	-71.1	19	.0	354.7	14634	-67.5	22	.0	360.9	14690	140	
150	-69.2	17	.0	350.9	14228	-66.9	19	.0	354.9	14240	-67.8	19	.0	353.3	14222	-64.8	23	.0	358.4	14272	150	
160	-66.8	17	.0	348.5	13841	-65.8	18	.0	350.3	13849	-64.8	18	.0	351.9	13831	-62.4	23	.0	356.1	13876	160	
170	-63.6	17	.0	347.8	13472	-62.6	18	.0	349.6	13478	-62.0	18	.0	350.5	13459	-60.0	24	.0	353.8	13500	170	
180	-60.5	17	.0	347.3	13118	-59.5	18	.0	348.9	13123	-59.4	17	.0	349.2	13103	-57.6	24	.0	352.2	13141	180	
190	-57.4	17	.0	347.0	12779	-56.7	18	.0	348.2	12782	-56.6	17	.0	348.3	12763	-54.5	24	.0	351.7	12798	190	
200	-54.5	17	.0	346.6	12453	-53.9	19	.0	347.5	12455	-53.9	16	.0	347.6	12435	-51.7	23	.0	351.2	12467	200	
225	-47.7	17	.0	345.6	11687	-47.7	19	.0	345.7	11688	-47.1	15	.0	346.5	11668	-45.1	23	.1	349.8	11692	225	
250	-41.5	13	.1	344.6	10982	-41.2	19	.1	345.2	10983	-40.5	15	.1	346.1	10960	-39.2	22	.1	348.4	10979	250	
275	-35.4	13	.1	344.4	10327	-35.1	18	.1	344.9	10327	-34.6	14	.1	345.5	10302	-33.8	22	.2	347.0	10318	275	
300	-29.7	12	.1	344.0	9714	-29.6	18	.2	344.5	9713	-29.2	14	.2	344.9	9688	-28.9	21	.3	345.6	9702	300	
325	-24.9	14	.2	343.3	9137	-24.5	17	.3	344.1	9136	-24.5	17	.3	344.0	9110	-24.4	21	.3	344.4	9124	325	
350	-21.0	21	.4	342.1	8594	-20.8	21	.4	342.4	8592	-22.4	38	.7	341.1	8568	-23.3	32	.5	339.4	8583	350	
375	-17.4	27	.7	341.2	8081	-17.7	26	.7	340.7	8079	-19.0	39	.9	339.8	8058	-19.7	23	.5	337.4	8075	375	
400	-15.6	42	1.2	339.1	7595	-14.7	30	.9	339.3	7593	-15.0	30	.9	338.8	7574	-15.6	17	.5	336.6	7592	400	
425	-12.2	32	1.1	337.5	7134	-11.1	27	1.0	338.5	7131	-11.8	29	1.0	337.7	7113	-12.1	19	.7	336.0	7131	425	
450	-9.4	39	1.6	337.2	6695	-7.7	23	1.1	337.7	6689	-8.8	28	1.2	336.6	6672	-8.7	20	.9	335.6	6691	450	
475	-7.4	52	2.4	337.1	6275	-5.6	28	1.5	336.2	6266	-5.9	27	1.4	335.6	6251	-5.5	22	1.1	335.3	6270	475	
500	-4.6	52	2.8	337.1	5873	-4.8	39	2.1	334.3	5863	-4.0	33	1.9	334.7	5848	-2.5	23	1.4	335.1	5865	500	
525	-2.0	52	3.3	337.2	5487	-2.8	41	2.5	333.5	5478	-2.0	38	2.4	334.2	5461	-.6	32	2.2	335.4	5476	525	
550	-.8	56	3.7	335.2	5116	-.5	42	2.8	333.0	5107	.5	37	2.7	333.7	5090	1.2	41	3.1	336.0	5103	550	
575	1.5	39	2.9	331.4	4759	1.7	37	2.8	331.4	4750	2.9	36	3.0	333.3	4731	3.0	49	4.1	336.9	4744	575	
600	3.5	34	2.8	329.4	4415	3.8	32	2.7	329.4	4406	4.4	40	3.5	332.8	4385	4.4	57	5.0	337.4	4398	600	
625	5.2	34	3.0	328.4	4082	5.8	28	2.6	327.8	4073	5.1	46	4.0	331.2	4052	5.6	63	5.8	337.2	4064	625	
650	7.0	34	3.3	327.5	3761	7.6	35	3.5	328.9	3751	6.8	40	3.8	328.9	3731	7.1	62	6.1	336.2	3742	650	
675	8.6	34	3.5	326.7	3450	8.6	43	4.5	329.6	3439	8.5	34	3.5	326.5	3420	8.9	48	5.0	331.6	3430	675	
700	10.0	44	4.8	328.6	3148	10.3	37	4.1	326.9	3138	10.2	31	3.4	324.9	3119	10.6	33	3.7	326.3	3128	700	
725	11.7	37	4.4	326.4	2856	11.8	31	3.7	324.2	2845	11.8	28	3.3	323.2	2826	12.0	32	3.9	325.1	2835	725	
750	13.7	26	3.3	322.2	2571	13.4	31	4.0	323.9	2561	13.4	25	3.2	321.5	2542	13.4	32	4.1	324.0	2551	750	
775	15.1	37	5.1	326.0	2294	15.1	34	4.8	324.9	2284	14.9	22	3.1	319.7	2265	14.8	31	4.2	323.0	2274	775	
800	16.9	34	5.1	325.1	2025	17.0	28	4.2	322.5	2014	16.4	20	2.9	317.9	1996	16.1	30	4.4	321.9	2005	800	
825	19.0	18	3.0	318.4	1762	18.9	21	3.5	319.6	1751	17.6	22	3.4	318.0	1734	17.3	31	4.7	321.5	1743	825	
850	19.6	22	3.7	318.3	1505	16.8	63	8.9	330.0	1496	18.4	38	5.9	323.2	1479	18.4	42	6.6	325.4	1488	850	
875	19.5	47	7.7	327.0	1256	18.5	61	9.4	330.8	1248	19.1	52	8.3	328.3	1230	19.5	52	8.5	329.4	1239	875	
900	19.7	69	11.1	334.0	1013	20.2	60	10.0	331.6	1005	20.1	62	10.3	332.2	988	20.5	63	10.6	333.6	995	900	
925	21.1	73	12.5	337.0	776	21.9	59	10.5	332.4	768	21.4	66	11.4	334.3	750	21.5	72	12.7	338.1	758	925	
950	23.1	70	13.2	338.7	544	23.5	57	11.1	333.2	535	23.0	68	12.9	337.6	518	22.7	79	14.7	342.1	525	950	
975	25.1	67	13.9	340.4	316	25.0	56	11.6	333.9	307	25.7	70	15.1	344.4	290	24.9	75	15.4	344.2	297	975	
1000	27.1	66	15.1	343.5	92	26.7	57	12.7	336.5	84	28.3	72	17.6	351.9	65	27.0	70	16.0	346.1	73	1000	
SFC.	28.0	68	16.2	346.8	0	28.8	75	18.9	355.2	0	29.0	72	18.3	354.3	0	27.7	69	16.2	346.6	0	SFC.	
				SURFACE PRESSURE	1010.4				SURFACE PRESSURE	1009.5				SURFACE PRESSURE	1007.3				SURFACE PRESSURE	1008.3		

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA PALMYRA ISLAND

4/11 1142 GMT					4/11 1838 GMT					4/11 2321 GMT					4/12 6 0 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	T	RH	W	EPT	H	P
60	-64.0	0	0.0	467.7	19569	-60.2	0	0.0	476.2	19575	-64.7	0	0.0	466.1	19595	-63.8	0	0.0	468.1	19534	60	
70	-74.1	0	0.0	425.8	18647	-69.5	0	0.0	435.6	18631	-68.8	0	0.0	437.3	18658	-70.6	0	0.0	433.4	18604	70	
80	-76.4	0	0.0	405.3	17876	-75.5	0	0.0	407.0	17851	-75.9	16	.0	406.2	17876	-77.9	30	.0	402.0	17825	80	
90	-76.7	0	0.0	391.1	17198	-77.4	16	.0	389.9	17173	-77.4	16	.0	389.9	17200	-78.7	30	.0	387.3	17155	90	
100	-77.1	13	.0	378.8	16593	-76.7	16	.0	379.6	16568	-75.2	16	.0	382.5	16593	-77.7	30	.0	377.6	16553	100	
110	-79.8	13	.0	363.6	16049	-75.7	16	.0	371.2	16016	-75.4	16	.0	371.9	16040	-77.1	30	.0	368.6	16007	110	
120	-79.0	13	.0	356.1	15557	-77.5	16	.0	358.8	15516	-76.6	16	.0	360.5	15538	-76.6	30	.0	360.6	15507	120	
130	-75.2	13	.0	354.7	15098	-75.7	16	.0	354.0	15055	-74.1	17	.0	356.7	15075	-75.7	30	.0	353.8	15045	130	
140	-71.8	13	.0	353.4	14665	-72.2	16	.0	352.7	14623	-70.7	17	.0	355.4	14640	-72.3	30	.0	352.5	14613	140	
150	-68.5	12	.0	352.1	14254	-68.9	16	.0	351.4	14214	-67.4	16	.0	354.0	14227	-69.1	30	.0	351.1	14204	150	
160	-65.5	12	.0	350.8	13865	-65.8	16	.0	350.2	13825	-64.4	16	.0	352.7	13836	-65.9	30	.0	350.2	13815	160	
170	-62.6	12	.0	349.5	13494	-62.7	16	.0	349.3	13454	-61.5	16	.0	351.4	13462	-62.7	31	.0	349.4	13445	170	
180	-59.7	12	.0	348.7	13139	-59.8	15	.0	348.4	13099	-58.8	16	.0	350.1	13106	-59.8	31	.0	348.5	13090	180	
190	-56.8	11	.0	348.0	12798	-57.1	15	.0	347.5	12759	-56.3	16	.0	348.8	12764	-57.0	31	.0	347.7	12750	190	
200	-54.0	11	.0	347.3	12471	-54.5	15	.0	346.6	12433	-53.9	16	.0	347.5	12437	-54.4	32	.0	346.9	12423	200	
225	-47.3	0	0.0	346.1	11704	-48.5	14	.0	344.3	11668	-47.8	16	.0	345.4	11671	-48.3	32	.1	344.8	11658	225	
250	-40.5	0	0.0	345.9	10997	-42.1	13	.1	343.7	10966	-41.5	15	.1	344.6	10966	-42.7	32	.1	343.1	10956	250	
275	-34.3	M	M	M	10339	-36.0	12	.1	343.4	10312	-35.8	14	.1	343.8	10311	-36.5	27	.2	343.0	10304	275	
300	-28.7	M	M	M	9723	-30.5	12	.1	342.9	9701	-30.6	13	.1	342.9	9700	-30.9	23	.2	342.7	9694	300	
325	-24.2	M	M	M	9144	-25.5	12	.2	342.3	9126	-25.8	12	.2	341.9	9125	-25.9	20	.3	342.2	9120	325	
350	-20.8	18	.4	342.2	8600	-21.0	12	.2	341.5	8583	-21.6	12	.2	340.6	8584	-22.2	18	.3	340.2	8580	350	
375	-18.1	21	.5	339.6	8089	-20.3	14	.3	335.8	8072	-18.3	17	.4	338.9	8072	-18.7	68	1.6	342.6	8069	375	
400	-14.7	13	.4	337.4	7603	-15.8	14	.4	336.0	7590	-15.5	13	.4	336.3	7588	-14.9	18	.5	337.7	7584	400	
425	-11.5	14	.5	336.3	7141	-12.6	14	.5	334.6	7130	-11.6	13	.5	336.0	7127	-12.2	18	.6	335.8	7123	425	
450	-8.5	16	.7	335.2	6700	-9.5	13	.5	333.4	6691	-9.3	13	.5	333.6	6687	-9.6	19	.8	334.0	6684	450	
475	-5.6	17	.9	334.3	6279	-6.8	19	.9	332.8	6272	-6.9	16	.7	332.1	6267	-7.4	24	1.1	332.8	6264	475	
500	-4.0	42	2.4	336.4	5875	-4.5	29	1.6	333.2	5869	-5.5	29	1.4	331.5	5866	-6.1	58	2.8	335.0	5864	500	
525	-2.5	67	4.0	338.8	5489	-4.0	54	2.9	333.4	5485	-3.3	43	2.4	332.7	5481	-3.8	59	3.2	334.6	5480	525	
550	-.7	80	5.3	340.5	5118	-2.1	60	3.6	333.4	5116	-1.0	44	2.9	332.5	5112	-2.0	78	4.7	337.0	5111	550	
575	1.6	79	5.9	340.9	4761	.6	56	3.9	333.5	4761	1.3	43	3.2	332.1	4755	.6	65	4.5	335.4	4755	575	
600	3.6	66	5.5	337.8	4416	3.3	51	4.1	333.2	4417	3.5	43	3.5	331.7	4411	3.0	52	4.1	332.8	4412	600	
625	5.4	62	5.6	336.6	4083	5.5	49	4.5	333.1	4084	5.6	43	3.9	331.6	4078	4.9	61	5.3	335.0	4080	625	
650	7.4	70	7.0	339.3	3760	7.0	54	5.2	333.4	3762	7.5	43	4.3	331.2	3756	7.2	61	5.9	335.8	3758	650	
675	9.6	62	6.9	338.0	3448	9.1	43	4.7	330.8	3451	9.5	38	4.2	329.9	3444	9.3	60	6.6	336.8	3445	675	
700	11.7	54	6.7	336.5	3144	10.9	47	5.4	331.8	3148	11.5	34	4.1	328.5	3141	11.4	60	7.3	337.9	3142	700	
725	12.1	64	7.9	336.9	2850	12.6	50	6.3	333.0	2854	12.4	44	5.5	330.5	2847	13.4	60	8.0	339.0	2847	725	
750	14.4	43	5.9	330.7	2565	14.1	43	5.8	329.8	2569	13.9	36	4.8	326.7	2562	13.0	74	9.3	338.9	2562	750	
775	15.8	34	5.0	326.3	2287	15.4	30	4.2	323.5	2292	15.2	27	3.8	322.4	2285	14.5	50	6.6	329.6	2285	775	
800	16.3	36	5.3	324.9	2017	16.1	34	4.8	323.4	2022	16.2	30	4.3	321.8	2016	16.3	38	5.6	325.8	2016	800	
825	18.0	39	6.1	326.5	1755	16.7	44	6.4	325.5	1760	15.4	55	7.3	326.7	1754	17.3	54	8.1	331.3	1753	825	
850	19.6	47	7.9	330.4	1498	16.5	65	9.1	330.2	1506	17.2	53	7.8	327.3	1500	17.0	87	12.6	340.5	1498	850	
875	20.2	64	10.9	336.8	1248	17.7	69	10.2	331.8	1258	19.0	52	8.2	327.8	1252	18.4	89	13.7	342.4	1249	875	
900	20.7	80	13.9	343.0	1004	19.6	64	10.3	331.7	1016	20.7	50	8.6	328.3	1009	19.8	91	14.8	344.4	1006	900	
925	21.5	93	16.5	348.3	766	21.4	65	11.3	333.9	779	22.4	50	9.2	329.3	771	21.3	91	15.9	346.3	768	925	
950	23.5	86	16.8	348.8	533	22.9	70	13.1	338.0	546	23.7	57	11.2	333.8	538	23.3	84	16.1	346.8	535	950	
975	25.4	80	16.9	349.0	304	24.8	63	12.9	337.1	319	25.5	58	12.2	336.3	310	25.3	77	16.2	347.0	306	975	
1000	27.2	73	16.9	348.8	80	26.8	65	14.5	341.7	95	28.1	59	14.4	343.0	86	27.3	70	16.1	346.6	82	1000	
SFC.	27.9	71	16.9	348.7	0	27.8	72	17.0	348.7	0	29.6	67	17.6	352.8	0	28.0	67	16.0	346.3	0	SFC.	
				SURFACE PRESSURE	1009.0				SURFACE PRESSURE	1010.8				SURFACE PRESSURE	1009.7				SURFACE PRESSURE	1009.3		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

4/12 1137 GMT					4/12 18 4 GMT					4/13 1150 GMT					4/13 1713 GMT					P		
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-64.1	0	0.0	467.4	19545	-63.8	0	0.0	468.1	19469	-63.3	0	0.0	469.2	19507	-60.4	0	0.0	475.7	19527	60	
70	-72.9	0	0.0	428.5	18628	-72.5	0	0.0	429.3	18544	-73.3	0	0.0	427.6	18582	-73.7	0	0.0	426.6	18604	70	
80	-76.8	0	0.0	404.4	17852	-73.8	0	0.0	410.5	17765	-78.0	0	0.0	401.9	17813	-75.9	19	.0	406.3	17830	80	
90	-80.2	0	0.0	384.1	17181	-78.2	18	.0	388.1	17087	-79.6	0	0.0	385.4	17143	-79.4	20	.0	385.8	17155	90	
100	-79.2	25	.0	374.7	16586	-79.2	18	.0	374.7	16487	-79.3	19	.0	374.5	16546	-80.8	20	.0	371.6	16561	100	
110	-76.5	25	.0	369.8	16041	-76.8	18	.0	369.3	15942	-76.6	19	.0	369.6	16001	-77.7	20	.0	367.5	16020	110	
120	-75.9	25	.0	361.7	15539	-74.5	18	.0	364.3	15439	-74.1	19	.0	365.1	15497	-74.8	20	.0	363.8	15518	120	
130	-74.8	25	.0	355.5	15076	-75.5	19	.0	354.2	14975	-74.7	19	.0	355.7	15031	-73.9	20	.0	357.1	15054	130	
140	-72.1	25	.0	352.9	14643	-73.4	18	.0	350.5	14544	-71.8	19	.0	353.4	14597	-70.9	19	.0	355.0	14618	140	
150	-69.5	24	.0	350.5	14234	-71.5	18	.0	347.0	14138	-69.0	18	.0	351.2	14188	-68.0	19	.0	353.0	14207	150	
160	-66.6	24	.0	348.9	13846	-67.7	18	.0	347.1	13754	-66.5	18	.0	349.1	13799	-65.5	19	.0	350.8	13817	160	
170	-63.2	23	.0	348.6	13476	-64.0	18	.0	347.2	13385	-63.6	18	.0	347.9	13430	-63.1	20	.0	348.7	13446	170	
180	-60.0	23	.0	348.2	13122	-61.0	18	.0	346.6	13033	-60.6	18	.0	347.1	13077	-60.4	20	.0	347.5	13092	180	
190	-56.9	22	.0	347.8	12782	-58.2	17	.0	345.7	12695	-57.8	18	.0	346.3	12738	-57.3	19	.0	347.2	12753	190	
200	-54.0	22	.0	347.5	12455	-55.6	17	.0	344.8	12370	-55.1	18	.0	345.6	12413	-54.3	18	.0	346.9	12426	200	
225	-47.1	20	.0	346.5	11687	-49.5	16	.0	342.8	11609	-49.0	17	.0	343.6	11650	-47.8	17	.0	345.5	11660	225	
250	-42.4	23	.1	343.4	10982	-44.0	15	.0	340.8	10910	-43.4	17	.1	341.9	10950	-41.9	16	.1	344.1	10956	250	
275	-36.3	19	.1	343.1	10329	-37.9	14	.1	340.7	10262	-37.0	15	.1	342.0	10300	-36.2	16	.1	343.2	10302	275	
300	-30.7	16	.2	342.8	9719	-32.2	14	.1	340.5	9656	-31.2	14	.1	342.0	9690	-31.0	16	.2	342.3	9692	300	
325	-25.3	14	.2	342.7	9144	-26.8	14	.2	340.5	9084	-26.1	13	.2	341.5	9117	-25.6	15	.2	342.3	9118	325	
350	-20.6	16	.3	342.4	8601	-21.8	13	.3	340.3	8544	-21.4	12	.2	340.9	8576	-20.6	14	.3	342.2	8575	350	
375	-16.8	21	.6	341.6	8087	-17.2	13	.3	340.2	8032	-18.2	12	.3	338.7	8064	-17.7	14	.4	339.7	8062	375	
400	-14.0	12	.4	338.3	7599	-15.8	21	.6	336.7	7546	-15.5	13	.4	336.3	7579	-14.9	14	.4	337.3	7576	400	
425	-11.2	14	.5	336.5	7136	-13.2	22	.7	334.7	7086	-12.6	19	.6	335.2	7119	-12.8	16	.5	334.5	7116	425	
450	-9.2	14	.6	333.9	6696	-10.7	22	.8	332.8	6649	-9.9	24	1.0	334.3	6680	-9.3	16	.7	333.9	6677	450	
475	-7.4	26	1.2	333.1	6277	-8.9	26	1.0	330.7	6232	-7.4	30	1.4	333.7	6261	-7.3	21	1.0	332.5	6258	475	
500	-5.3	47	2.4	334.8	5876	-7.2	29	1.3	328.7	5833	-4.9	35	1.8	333.4	5860	-5.3	26	1.3	331.2	5857	500	
525	-3.3	64	3.7	336.7	5491	-4.9	46	2.3	330.2	5451	-2.6	38	2.3	333.2	5474	-3.5	30	1.7	330.2	5472	525	
550	-1.3	77	4.9	338.4	5121	-2.4	46	2.7	330.3	5084	-1.1	32	2.2	331.4	5104	-1.7	35	2.1	329.3	5103	550	
575	1.2	73	5.3	338.4	4764	-2.2	47	3.1	329.9	4729	1.9	33	2.5	330.7	4746	.3	41	2.7	329.5	4748	575	
600	3.6	59	4.9	336.3	4420	1.5	53	3.8	330.0	4387	3.3	47	3.8	332.4	4402	2.3	47	3.5	330.2	4405	600	
625	6.0	47	4.4	333.6	4086	3.7	42	3.4	327.6	4057	5.4	49	4.4	332.7	4069	4.2	52	4.3	331.2	4074	625	
650	8.1	52	5.4	335.4	3764	5.1	52	4.3	328.5	3737	7.4	50	5.0	333.3	3747	6.3	54	4.9	331.8	3753	650	
675	10.0	58	6.6	337.8	3450	6.4	60	5.4	329.6	3428	9.3	52	5.6	333.9	3435	8.6	51	5.3	332.0	3442	675	
700	11.0	75	8.8	341.8	3147	6.9	79	7.1	331.6	3129	11.0	55	6.5	335.0	3132	10.6	51	5.9	332.6	3140	700	
725	11.9	91	11.1	345.9	2853	9.3	69	7.0	330.9	2839	11.7	67	8.0	336.9	2839	11.8	65	7.8	336.3	2847	725	
750	13.7	67	8.9	338.5	2567	11.6	59	6.7	329.7	2556	12.5	79	9.6	338.9	2554	11.6	81	9.2	336.9	2563	750	
775	15.5	44	6.3	330.1	2290	13.9	49	6.3	328.0	2281	14.0	49	6.3	328.2	2277	13.2	72	8.9	334.8	2287	775	
800	17.2	38	5.8	327.6	2019	16.1	39	5.6	325.7	2012	14.5	63	8.2	331.2	2009	14.8	64	8.5	332.4	2018	800	
825	18.0	45	7.1	329.2	1756	16.4	54	7.7	329.1	1750	15.3	89	11.8	339.2	1748	16.2	63	8.8	332.0	1757	825	
850	17.6	76	11.4	338.1	1501	17.1	64	9.3	331.5	1495	17.1	84	12.1	339.4	1493	17.8	66	10.0	334.2	1502	850	
875	18.9	82	13.1	341.4	1251	18.3	68	10.3	332.8	1247	18.8	79	12.4	339.4	1244	19.1	73	11.6	337.7	1253	875	
900	20.2	88	14.8	345.0	1008	19.4	71	11.3	334.2	1004	20.5	74	12.6	339.2	1001	20.4	79	13.4	341.4	1009	900	
925	21.5	94	16.7	348.8	770	20.5	74	12.3	335.7	767	21.9	78	14.0	342.0	763	21.7	86	15.3	345.3	771	925	
950	23.3	89	17.2	349.7	537	21.6	77	13.4	337.3	536	22.8	91	17.1	348.8	530	23.2	88	16.8	348.6	538	950	
975	25.1	83	17.3	349.6	308	22.2	74	13.0	334.3	310	24.8	83	17.2	349.0	302	25.5	79	16.8	349.0	309	975	
1000	26.8	76	17.2	349.2	84	23.9	74	13.9	336.3	89	26.8	76	17.1	348.6	78	27.1	77	17.7	350.9	85	1000	
SFC.	27.5	74	17.2	348.9	0	26.1	78	16.7	345.6	0	27.5	73	17.0	348.4	0	27.3	82	18.9	353.3	0	SFC.	
				SURFACE PRESSURE	1009.5				SURFACE PRESSURE	1010.1				SURFACE PRESSURE	1008.8				SURFACE PRESSURE	1009.6		

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA PALMYRA ISLAND

4/13 1935 GMT					4/13 2233 GMT					4/14 125 GMT					4/14 543 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-60.8	0	0.0	474.8	19543	0.0	0	0.0	0.0	0	-62.3	0	0.0	471.5	19530	-68.0	0	0.0	458.7	19458	60
70	-74.8	0	0.0	424.4	18616	0.0	0	0.0	0.0	0	-72.4	0	0.0	429.6	18601	-71.6	26	.0	431.3	18544	70
80	-77.1	0	0.0	403.8	17845	0.0	0	0.0	0.0	0	-76.9	0	0.0	404.2	17828	-79.2	27	.0	399.4	17773	80
90	-78.8	19	.0	387.1	17172	0.0	0	0.0	0.0	0	-78.2	19	.0	388.2	17153	-82.6	28	.0	379.5	17110	90
100	-80.0	19	.0	373.2	16574	-80.6	18	.0	372.0	16586	-79.4	20	.0	374.3	16553	-82.0	27	.0	369.3	16522	100
110	-76.7	19	.0	369.3	16030	-77.5	18	.0	367.8	16044	-76.2	20	.0	370.2	16008	-77.9	26	.0	367.2	15983	110
120	-74.5	19	.0	364.4	15526	-73.5	18	.0	366.2	15541	-73.4	20	.0	366.4	15503	-74.1	25	.0	365.1	15480	120
130	-73.2	19	.0	358.4	15060	-72.5	18	.0	359.6	15071	-72.5	20	.0	359.7	15033	-71.2	25	.0	362.0	15010	130
140	-70.6	18	.0	355.4	14623	-70.7	18	.0	355.2	14634	-71.9	19	.0	353.2	14597	-69.9	26	.0	356.7	14570	140
150	-68.2	18	.0	352.6	14212	-67.8	18	.0	353.3	14222	-68.8	19	.0	351.6	14187	-68.0	26	.0	353.0	14158	150
160	-65.9	18	.0	350.1	13822	-64.8	18	.0	352.0	13831	-65.7	19	.0	350.5	13798	-65.1	26	.0	351.5	13768	160
170	-62.7	18	.0	349.4	13451	-61.9	18	.0	350.7	13459	-62.7	20	.0	349.4	13427	-62.4	26	.0	350.0	13396	170
180	-59.7	17	.0	348.7	13096	-59.3	18	.0	349.3	13103	-59.9	20	.0	348.3	13073	-59.8	26	.0	348.5	13041	180
190	-56.8	17	.0	347.9	12756	-56.8	18	.0	347.9	12762	-57.3	20	.0	347.2	12733	-57.1	25	.0	347.6	12701	190
200	-54.1	17	.0	347.1	12429	-54.5	18	.0	346.6	12435	-54.6	20	.0	346.4	12407	-54.4	25	.0	346.8	12374	200
225	-47.9	16	.0	345.2	11663	-47.9	17	.0	345.3	11670	-47.7	19	.0	345.6	11641	-48.3	23	.0	344.7	11609	225
250	-42.2	16	.1	343.7	10960	-41.8	16	.1	344.2	10966	-41.6	18	.1	344.6	10936	-42.8	22	.1	342.7	10907	250
275	-36.3	15	.1	343.0	10307	-36.8	16	.1	342.3	10313	-36.0	17	.1	343.5	10282	-37.4	20	.1	341.5	10257	275
300	-31.0	15	.1	342.3	9696	-31.0	15	.1	342.3	973	-30.9	16	.2	342.5	9671	-32.1	18	.2	340.8	9649	300
325	-26.1	14	.2	341.5	9123	-25.9	15	.2	341.8	9130	-26.2	15	.2	341.4	9098	-27.3	17	.2	340.0	9079	325
350	-21.5	14	.3	340.8	8582	-21.6	14	.3	340.7	8588	-21.9	14	.3	340.3	8557	-22.7	15	.3	339.2	8540	350
375	-17.8	14	.3	339.4	8069	-18.0	13	.3	339.0	8076	-18.0	14	.3	339.2	8045	-18.5	14	.3	338.4	8030	375
400	-14.3	13	.4	338.0	7583	-14.7	13	.4	337.4	7591	-14.5	14	.4	337.8	7560	-16.1	28	.8	336.9	7546	400
425	-12.7	14	.5	334.4	7122	-11.3	13	.5	336.4	7129	-11.9	16	.6	335.8	7098	-14.4	17	.5	332.4	7087	425
450	-9.5	16	.7	333.8	6684	-9.5	15	.6	333.7	6690	-9.5	18	.7	334.0	6659	-11.8	22	.8	331.2	6652	450
475	-7.8	19	.8	331.4	6265	-6.6	17	.8	332.8	6269	-7.2	20	.9	332.3	6239	-9.2	27	1.1	330.5	6236	475
500	-6.0	22	1.1	329.6	5865	-4.8	19	1.0	330.7	5867	-5.1	21	1.1	330.8	5838	-6.7	31	1.4	329.9	5837	500
525	-3.3	25	1.4	329.4	5481	-2.0	20	1.3	330.5	5482	-3.0	23	1.3	329.5	5453	-4.4	34	1.8	329.2	5454	525
550	-1.2	27	1.7	328.6	5111	-.2	24	1.6	329.5	5111	-1.1	24	1.6	328.3	5083	-2.2	36	2.1	328.7	5086	550
575	.8	30	2.1	327.9	4756	1.6	27	2.0	328.7	4754	.8	30	2.1	328.0	4728	-.1	38	2.5	328.3	4732	575
600	2.4	36	2.7	327.9	4413	3.2	35	2.8	329.0	4410	2.5	38	2.9	328.5	4385	1.9	40	2.9	328.1	4389	600
625	4.0	43	3.5	328.5	4082	4.7	42	3.6	329.5	4078	4.4	41	3.5	328.8	4053	3.9	42	3.4	327.9	4059	625
650	6.4	40	3.7	328.3	3761	6.6	43	4.1	329.6	3757	6.5	42	3.9	329.1	3733	5.8	44	3.9	328.0	3738	650
675	8.7	38	3.9	328.1	3450	9.1	38	4.1	329.0	3446	8.6	43	4.4	329.4	3422	7.5	46	4.4	328.1	3428	675
700	10.3	42	4.7	328.9	3148	11.2	38	4.5	329.3	3143	10.5	44	5.0	329.9	3120	9.2	50	5.2	328.9	3128	700
725	10.8	56	6.3	330.8	2856	12.4	50	6.3	332.7	2849	11.0	56	6.4	331.2	2827	10.7	58	6.5	331.1	2836	725
750	11.5	66	7.5	331.8	2572	11.8	67	7.7	332.9	2565	11.0	69	7.6	331.5	2543	11.2	75	8.3	333.8	2552	750
775	12.1	76	8.7	332.8	2297	13.2	71	8.8	334.3	2289	13.2	54	6.6	328.2	2268	13.2	54	6.6	328.1	2277	775
800	13.9	60	7.5	328.3	2030	15.1	63	8.5	332.7	2021	15.8	39	5.5	325.0	2000	14.9	49	6.6	327.0	2009	800
825	15.4	57	7.6	327.7	1770	16.9	55	8.1	330.7	1759	17.6	33	5.1	323.1	1738	16.4	49	6.9	326.9	1748	825
850	16.9	60	8.6	329.3	1515	18.6	48	7.7	328.7	1503	18.2	46	7.1	326.7	1482	17.7	53	7.9	328.2	1493	850
875	18.4	63	9.6	331.1	1267	19.1	57	9.1	330.5	1254	18.2	69	10.4	333.1	1234	17.4	82	11.8	335.8	1245	875
900	19.8	66	10.7	333.0	1024	20.4	68	11.5	336.1	1011	19.8	69	11.3	334.8	991	18.5	92	13.8	339.8	1003	900
925	21.2	69	11.8	335.1	787	21.7	79	14.1	342.1	773	21.5	69	12.1	336.3	754	20.2	91	14.9	342.3	766	925
950	23.4	72	13.8	340.6	555	23.5	88	17.1	349.9	540	23.1	68	12.9	337.8	521	22.1	88	15.8	344.4	534	950
975	25.7	75	16.2	347.4	326	25.3	79	16.5	347.9	311	24.7	68	13.8	339.5	293	24.3	80	15.8	344.8	306	975
1000	28.0	78	18.8	355.0	101	27.5	74	17.3	350.3	87	26.8	67	15.1	343.1	70	26.5	71	15.7	344.5	83	1000
SFC.	29.0	79	20.1	358.7	0	28.6	75	18.6	354.3	0	27.4	67	15.5	344.2	0	27.3	68	15.6	344.2	0	SFC.
SURFACE PRESSURE 1011.4					SURFACE PRESSURE 1009.8					SURFACE PRESSURE 1007.9					SURFACE PRESSURE 1009.4						

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA PALMYRA ISLAND

4/14 1115 GMT					4/14 1814 GMT					4/14 2344 GMT					4/15 6 7 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	T	RH	W	EPT	H	P
60	-64.7	0	0.0	466.0	19467	-63.5	0	0.0	468.8	19513	-62.7	0	0.0	470.6	19577	-63.9	30	0.0	468.1	19560	60	
70	-74.2	24	.0	425.7	18544	-71.4	0	0.0	431.7	18585	-65.8	0	0.0	443.7	18635	-68.5	30	0.0	437.9	18620	70	
80	-78.0	24	.0	402.0	17773	-76.9	0	0.0	404.2	17809	-76.6	0	0.0	404.8	17845	-79.1	31	0.0	399.6	17840	80	
90	-81.3	24	.0	382.1	17106	-78.7	20	.0	387.1	17134	-77.7	18	.0	389.1	17169	-77.3	30	0.0	389.9	17168	90	
100	-82.2	25	.0	368.9	16516	-81.5	20	.0	370.3	16536	-79.1	18	.0	374.9	16568	-80.0	31	0.0	373.2	16566	100	
110	-79.2	24	.0	364.7	15979	-79.7	20	.0	363.6	15998	-79.3	18	.0	364.5	16027	-81.1	31	0.0	361.1	16030	110	
120	-76.4	24	.0	360.8	15481	-77.7	20	.0	358.5	15503	-77.0	18	.0	359.7	15530	-77.3	31	0.0	359.2	15535	120	
130	-73.9	23	.0	357.2	15017	-74.7	20	.0	355.7	15042	-73.7	18	.0	357.5	15067	-73.8	31	0.0	357.3	15072	130	
140	-70.8	23	.0	355.1	14582	-72.0	20	.0	353.1	14608	-70.5	18	.0	355.6	14630	-70.6	31	0.0	355.5	14636	140	
150	-67.8	23	.0	353.4	14170	-69.4	20	.0	350.6	14199	-67.6	18	.0	353.7	14218	-67.6	31	0.0	353.7	14224	150	
160	-64.9	23	.0	351.7	13779	-66.0	20	.0	349.9	13811	-64.8	18	.0	351.9	13827	-64.8	31	0.0	352.0	13832	160	
170	-62.3	24	.0	350.1	13407	-62.8	20	.0	349.3	13440	-61.9	18	.0	350.7	13454	-62.1	31	0.0	350.4	13460	170	
180	-59.7	24	.0	348.6	13052	-59.7	19	.0	348.7	13085	-59.2	19	.0	349.4	13099	-59.4	31	0.0	349.2	13105	180	
190	-57.4	24	.0	347.1	12712	-56.7	19	.0	348.1	12745	-56.6	19	.0	348.2	12758	-56.5	31	0.0	348.5	12764	190	
200	-55.1	24	.0	345.6	12386	-54.0	18	.0	347.4	12418	-53.8	19	.0	347.7	12430	-53.8	31	0.0	347.8	12437	200	
225	-48.7	21	.0	344.1	11623	-47.7	17	.0	345.6	11651	-47.1	19	.0	346.6	11662	-47.5	31	.1	346.0	11669	225	
250	-42.5	18	.1	343.1	10921	-42.5	19	.1	343.2	10947	-41.1	18	.1	345.4	10955	-41.5	43	.2	345.1	10964	250	
275	-37.0	15	.1	342.0	10270	-37.2	19	.1	341.8	10296	-36.6	17	.1	342.6	10300	-36.3	50	.3	343.9	10310	275	
300	-31.9	13	.1	340.9	9661	-31.7	16	.1	341.4	9688	-31.6	15	.1	341.3	9692	-31.9	25	.2	341.3	9700	300	
325	-27.4	15	.2	339.6	9091	-26.6	14	.2	340.8	9116	-26.7	14	.2	340.6	9120	-27.2	21	.3	340.2	9129	325	
350	-23.3	16	.3	338.5	8553	-21.9	12	.2	340.2	8576	-22.3	13	.2	339.6	8580	-22.9	18	.3	339.2	8591	350	
375	-19.4	18	.4	337.4	8044	-17.8	11	.3	339.2	8064	-18.3	13	.3	338.7	8069	-18.9	15	.4	338.0	8081	375	
400	-15.8	19	.5	336.5	7561	-14.6	12	.4	337.5	7578	-14.9	15	.4	337.4	7584	-16.1	70	1.9	340.8	7597	400	
425	-13.3	49	1.6	337.6	7101	-11.9	14	.5	335.6	7116	-11.8	16	.6	336.1	7123	-12.6	37	1.3	337.4	7137	425	
450	-11.1	19	.7	331.8	6664	-11.0	17	.6	331.7	6678	-8.8	17	.8	335.0	6683	-10.8	56	2.1	337.0	6700	450	
475	-7.9	16	.7	330.9	6246	-8.8	24	1.0	330.7	6261	-6.7	20	1.0	333.3	6262	-7.5	19	.8	331.8	6281	475	
500	-6.7	24	1.1	328.8	5848	-6.7	31	1.5	330.0	5862	-5.6	25	1.3	330.8	5860	-4.8	17	.9	330.5	5880	500	
525	-4.4	31	1.6	328.8	5465	-4.1	19	1.0	327.1	5479	-4.1	31	1.7	329.2	5477	-2.4	19	1.1	329.7	5494	525	
550	-1.8	31	1.9	328.4	5097	-1.5	17	1.1	326.1	5110	-.8	18	1.2	327.2	5107	-.8	42	2.7	332.4	5124	550	
575	1.0	22	1.6	326.6	4741	.4	23	1.6	325.9	4755	.8	20	1.4	326.0	4752	1.4	38	2.8	331.0	4768	575	
600	2.7	27	2.1	326.3	4398	2.0	32	2.3	326.2	4413	2.4	23	1.7	324.8	4409	3.6	35	2.8	329.7	4423	600	
625	3.6	45	3.5	328.1	4067	4.0	36	2.9	326.7	4082	4.7	28	2.4	325.9	4077	5.5	42	3.8	331.1	4091	625	
650	6.0	66	6.0	334.5	3747	6.5	36	3.3	327.1	3762	7.0	33	3.2	327.2	3756	7.4	49	4.8	332.9	3769	650	
675	7.6	63	6.1	333.1	3437	8.8	36	3.8	327.7	3451	9.1	37	4.0	328.8	3445	9.1	68	7.3	338.4	3456	675	
700	8.7	72	7.3	334.4	3136	9.7	55	5.9	331.8	3149	10.7	46	5.3	331.2	3142	10.3	66	7.5	336.9	3154	700	
725	9.5	81	8.3	334.9	2844	9.9	73	7.7	333.8	2857	10.9	54	6.2	330.5	2849	11.4	77	9.1	339.4	2861	725	
750	10.7	73	7.9	331.9	2562	11.4	53	5.9	327.3	2574	12.2	44	5.2	326.0	2566	12.6	57	6.9	331.5	2576	750	
775	12.9	51	6.1	326.4	2287	13.6	39	4.9	323.5	2299	14.5	30	4.0	322.0	2290	13.6	48	6.1	327.1	2300	775	
800	14.9	47	6.2	325.9	2019	15.3	39	5.3	323.7	2031	16.3	31	4.6	322.8	2021	14.3	51	6.5	326.1	2032	800	
825	16.7	45	6.6	326.2	1758	16.9	42	6.1	325.2	1769	18.1	33	5.2	323.8	1759	15.2	55	7.2	326.2	1772	825	
850	17.4	58	8.6	330.0	1503	18.4	45	7.1	326.8	1514	19.2	38	6.3	325.6	1503	17.4	69	10.3	334.5	1517	850	
875	17.8	75	11.1	334.4	1254	19.9	48	8.1	328.7	1265	20.2	45	7.6	327.6	1253	19.3	76	12.3	339.7	1268	875	
900	19.3	78	12.2	336.6	1012	21.3	52	9.3	331.0	1021	21.1	52	9.2	330.3	1009	20.8	78	13.6	342.3	1024	900	
925	21.2	76	13.1	338.7	775	21.9	64	11.6	335.4	783	22.0	62	11.3	334.5	772	22.4	80	14.9	345.1	786	925	
950	22.2	90	16.2	345.7	543	22.6	76	13.9	339.9	550	23.0	70	13.1	338.3	539	23.9	82	16.3	348.0	552	950	
975	23.9	83	16.1	344.8	315	24.7	75	15.2	343.4	323	25.2	63	13.2	338.5	311	25.5	79	16.8	349.0	323	975	
1000	25.7	68	14.3	339.8	92	26.8	73	16.4	347.0	99	28.2	63	15.3	345.6	87	27.5	66	15.6	345.4	99	1000	
SFC.	26.5	62	13.5	337.4	0	27.8	72	17.0	348.6	0	30.2	69	18.8	356.9	0	28.4	61	14.9	343.5	0	SFC.	
				SURFACE PRESSURE	1010.5				SURFACE PRESSURE	1011.2				SURFACE PRESSURE	1009.8				SURFACE PRESSURE	1011.2		

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA PALMYRA ISLAND

P	4/15 1147 GMT					4/15 1717 GMT					4/15 1915 GMT					4/15 2240 GMT					P
	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	
60	-63.8	0	0.0	468.0	19486	-62.1	0	0.0	471.9	19556	-62.2	0	0.0	471.7	19579	-63.4	0	0.0	468.9	19571	60
70	-65.9	0	0.0	443.5	18543	-66.7	0	0.0	441.7	18614	-68.4	0	0.0	438.0	18641	-66.9	0	0.0	441.2	18630	70
80	-76.9	0	0.0	404.2	17754	-76.8	0	0.0	404.4	17830	-76.6	0	0.0	404.7	17853	-77.2	0	0.0	403.6	17844	80
90	-79.6	33	.0	385.5	17083	-77.7	0	0.0	389.3	17154	-77.7	0	0.0	389.2	17177	-78.3	22	.0	388.1	17170	90
100	-78.9	33	.0	375.3	16485	-76.8	24	.0	379.4	16550	-76.3	21	.0	380.3	16572	-77.1	22	.0	378.8	16567	100
110	-82.1	34	.0	359.2	15947	-77.0	24	.0	368.9	16002	-79.3	21	.0	364.5	16027	-79.4	22	.0	364.2	16025	110
120	-78.9	35	.0	356.2	15456	-77.1	24	.0	359.5	15502	-78.0	22	.0	358.0	15531	-77.3	22	.0	359.2	15529	120
130	-76.0	35	.0	353.5	14997	-73.7	24	.0	357.5	15039	-74.4	22	.0	356.3	15070	-73.9	22	.0	357.2	15066	130
140	-73.1	36	.0	351.0	14566	-70.6	23	.0	355.5	14603	-70.5	22	.0	355.6	14635	-70.4	21	.0	355.8	14630	140
150	-69.6	35	.0	350.3	14159	-67.7	23	.0	353.5	14191	-67.0	23	.0	354.8	14222	-67.2	21	.0	354.4	14217	150
160	-66.3	35	.0	349.5	13771	-65.0	23	.0	351.7	13800	-63.6	23	.0	354.0	13829	-64.1	20	.0	353.1	13825	160
170	-63.2	34	.0	348.7	13401	-62.4	23	.0	349.9	13428	-61.5	23	.0	351.4	13454	-61.3	20	.0	351.7	13451	170
180	-60.2	34	.0	347.8	13047	-60.0	22	.0	348.1	13073	-60.5	24	.0	347.3	13099	-60.0	24	.0	348.2	13095	180
190	-57.4	33	.0	347.0	12707	-57.7	22	.0	346.5	12734	-58.6	25	.0	345.1	12762	-58.1	27	.0	345.9	12757	190
200	-54.8	33	.0	346.2	12381	-55.4	22	.0	345.2	12409	-55.2	25	.0	345.6	12437	-55.0	28	.0	345.9	12431	200
225	-48.4	31	.1	344.6	11617	-48.3	27	.1	344.8	11645	-48.0	28	.1	345.3	11672	-47.8	29	.1	345.6	11666	225
250	-42.7	29	.1	343.1	10915	-41.9	31	.1	344.3	10941	-41.6	30	.1	344.7	10968	-41.3	31	.1	345.2	10961	250
275	-37.5	28	.2	341.6	10264	-36.0	47	.3	344.3	10287	-36.0	22	.1	343.7	10314	-35.9	36	.2	344.1	10306	275
300	-32.7	26	.2	340.2	9658	-31.1	47	.4	343.3	9677	-30.9	16	.2	342.5	9703	-31.2	42	.4	343.1	9696	300
325	-28.1	23	.3	339.0	9088	-27.2	26	.3	340.6	9105	-27.2	20	.2	340.3	9131	-26.9	27	.3	341.0	9123	325
350	-23.9	20	.3	337.8	8552	-22.3	20	.4	340.2	8564	-22.2	13	.2	339.9	8592	-23.0	19	.3	339.1	8585	350
375	-19.9	17	.4	336.6	8044	-19.6	20	.4	337.3	8056	-18.1	12	.3	338.7	8081	-19.3	17	.4	337.6	8075	375
400	-16.2	14	.4	335.4	7562	-15.8	31	.9	337.7	7573	-14.4	10	.3	337.5	7595	-15.8	15	.4	336.1	7592	400
425	-14.4	39	1.2	334.6	7104	-13.7	29	.9	334.7	7114	-13.0	32	1.0	336.1	7134	-14.0	37	1.1	335.1	7134	425
450	-11.7	52	1.8	334.9	6668	-10.9	52	1.9	336.2	6677	-11.1	47	1.7	335.3	6696	-11.2	55	2.0	336.0	6697	450
475	-8.3	31	1.3	332.3	6251	-9.0	81	3.3	337.9	6259	-8.7	60	2.5	335.7	6279	-8.5	57	2.4	335.8	6280	475
500	-6.9	78	3.5	336.4	5852	-7.1	63	2.8	334.0	5860	-6.1	53	2.5	334.3	5879	-6.2	53	2.5	334.1	5880	500
525	-4.2	17	.9	326.7	5469	-5.0	42	2.1	329.7	5478	-4.4	27	1.4	328.1	5496	-4.3	40	2.1	330.3	5497	525
550	-2.0	20	1.2	325.9	5101	-2.8	37	2.1	327.8	5111	-1.7	18	1.1	326.0	5128	-1.8	23	1.4	326.9	5128	550
575	.1	23	1.5	325.3	4746	-.7	58	3.6	331.0	4757	.9	40	2.8	330.4	4773	.9	28	2.0	327.9	4773	575
600	2.1	25	1.9	324.8	4404	1.7	46	3.3	328.9	4415	2.4	34	2.6	327.6	4430	2.6	35	2.7	328.1	4430	600
625	4.0	28	2.2	324.5	4073	3.3	53	4.1	329.2	4085	3.9	42	3.4	328.0	4099	3.5	41	3.2	326.8	4099	625
650	5.8	30	2.7	324.3	3754	4.8	59	4.9	329.8	3766	5.4	50	4.3	328.8	3779	5.7	39	3.4	326.6	3779	650
675	7.0	52	4.8	328.7	3444	6.8	60	5.5	330.4	3457	7.4	51	4.8	329.1	3469	7.9	37	3.7	326.4	3469	675
700	8.1	74	7.2	333.4	3144	8.7	63	6.4	332.0	3156	9.3	51	5.4	329.5	3168	9.9	41	4.4	327.5	3168	700
725	9.4	86	8.8	336.1	2853	10.2	69	7.5	333.5	2865	10.0	67	7.1	332.1	2877	11.7	46	5.5	329.4	2875	725
750	11.2	68	7.6	331.7	2570	12.1	65	7.7	333.2	2581	11.7	53	6.2	328.2	2594	13.5	51	6.6	331.6	2591	750
775	13.1	51	6.2	326.8	2295	13.2	72	8.8	334.5	2305	13.4	41	5.0	323.9	2318	15.1	51	7.0	331.6	2313	775
800	14.5	53	6.8	327.3	2027	15.2	47	6.4	326.8	2037	15.6	40	5.6	325.0	2050	16.1	39	5.5	325.4	2044	800
825	15.9	54	7.5	327.8	1766	16.7	52	7.5	328.7	1775	17.7	41	6.3	326.6	1788	15.2	54	7.1	325.9	1782	825
850	16.5	73	10.2	333.2	1512	17.0	69	10.0	333.2	1520	16.7	72	10.2	333.6	1533	16.5	61	8.5	328.6	1529	850
875	17.6	85	12.4	337.9	1264	18.3	73	11.1	335.2	1272	18.4	82	12.5	339.2	1284	18.3	61	9.3	330.0	1281	875
900	19.9	77	12.7	338.8	1021	20.1	70	11.6	336.0	1029	20.0	75	12.4	337.8	1041	20.2	57	9.4	330.0	1038	900
925	21.3	84	14.7	343.3	783	21.9	67	12.1	336.7	791	21.6	69	12.2	336.7	804	22.0	56	10.2	331.5	801	925
950	22.5	94	17.3	349.0	551	23.1	77	14.5	342.2	559	22.6	83	15.3	343.6	571	23.3	70	13.4	339.5	568	950
975	24.4	81	16.2	345.8	323	24.6	82	16.6	347.3	331	24.8	76	15.5	344.4	343	25.6	61	13.1	338.7	340	975
1000	26.3	66	14.3	340.6	100	26.6	82	18.3	351.6	107	27.1	72	16.4	347.2	119	28.3	63	15.4	346.0	116	1000
SFC.	27.2	59	13.4	337.8	0	27.5	82	19.1	353.8	0	28.5	75	18.4	353.3	0	30.0	72	19.3	357.9	0	SFC.
	SURFACE PRESSURE 1011.3					SURFACE PRESSURE 1012.1					SURFACE PRESSURE 1013.5					SURFACE PRESSURE 1013.0					

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

4/16 115 GMT					4/16 554 GMT					4/16 1148 GMT					4/17 1736 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-64.2	0	0.0	467.2	19503	-65.8	0	0.0	463.6	19478	-65.5	0	0.0	464.3	19469	-66.4	0	0.0	462.3	19508	60	
70	-66.7	0	0.0	441.8	18570	-68.1	45	.0	438.9	18548	-67.9	0	0.0	439.2	18535	-68.2	0	0.0	438.6	18579	70	
80	-77.3	20	.0	403.4	17780	-79.4	46	.0	398.9	17755	-71.2	0	0.0	415.9	17739	-73.8	0	0.0	410.5	17789	80	
90	-77.9	20	.0	388.8	17106	-80.9	46	.0	382.7	17094	-80.2	0	0.0	384.3	17057	-78.2	20	.0	388.3	17107	90	
100	-78.5	20	.0	376.1	16504	-79.8	46	.0	373.6	16499	-80.4	0	0.0	372.4	16462	-78.8	20	.0	375.5	16509	100	
110	-78.8	20	.0	365.4	15961	-78.0	46	.0	366.9	15955	-76.9	0	0.0	369.0	15919	-78.8	21	.0	365.4	15967	110	
120	-78.0	20	.0	358.0	15466	-78.1	46	.0	357.8	15461	-78.5	0	0.0	356.9	15420	-74.9	21	.0	363.6	15467	120	
130	-74.6	20	.0	355.8	15004	-75.3	46	.0	354.6	15000	-75.5	0	0.0	354.3	14960	-71.3	20	.0	361.8	14998	130	
140	-71.6	20	.0	353.8	14570	-72.2	46	.0	352.7	14567	-72.6	0	0.0	351.9	14528	-68.0	20	.0	360.0	14556	140	
150	-68.7	20	.0	351.8	14160	-69.1	46	.0	351.1	14158	-69.9	0	0.0	349.7	14120	-66.8	20	.0	355.1	14140	150	
160	-65.7	20	.0	350.5	13771	-66.2	46	.0	349.5	13770	-67.4	0	0.0	347.5	13734	-65.9	20	.0	350.2	13749	160	
170	-62.8	21	.0	349.2	13400	-63.5	46	.0	348.0	13400	-64.8	0	0.0	345.9	13366	-64.0	20	.0	347.3	13380	170	
180	-60.1	21	.0	348.0	13045	-61.0	46	.0	346.6	13047	-61.8	0	0.0	345.2	13015	-61.2	20	.0	346.1	13028	180	
190	-57.5	21	.0	346.8	12706	-58.6	46	.0	345.2	12709	-59.0	0	0.0	344.4	12678	-58.6	20	.0	345.0	12690	190	
200	-55.1	22	.0	345.6	12380	-55.7	46	.0	344.8	12385	-56.3	0	0.0	343.6	12354	-56.0	20	.0	344.2	12366	200	
225	-48.5	24	.1	344.4	11617	-49.0	45	.1	343.7	11623	-50.1	0	0.0	341.7	11596	-49.6	20	.0	342.6	11606	225	
250	-42.2	28	.1	343.8	10915	-43.2	48	.2	342.5	10923	-44.0	0	0.0	340.7	10898	-43.9	19	.1	341.0	10907	250	
275	-36.7	38	.2	343.0	10262	-38.4	68	.3	341.0	10274	-38.0	M	M	M	10250	-38.4	19	.1	340.0	10260	275	
300	-31.7	48	.4	342.4	9653	-33.5	73	.5	340.3	9670	-32.7	46	.4	340.7	9644	-32.6	21	.2	340.1	9655	300	
325	-26.9	47	.6	342.0	9081	-29.0	77	.8	339.8	9102	-30.0	71	.7	338.0	9078	-28.1	28	.3	339.2	9085	325	
350	-24.4	41	.6	338.2	8544	-24.8	80	1.2	339.6	8567	-25.2	63	.9	338.0	8545	-24.8	40	.6	337.6	8549	350	
375	-20.7	29	.6	336.4	8037	-20.9	84	1.6	339.7	8061	-21.3	65	1.2	337.8	8040	-21.6	51	.9	336.4	8044	375	
400	-17.2	19	.5	334.4	7557	-17.3	87	2.1	340.0	7581	-17.6	67	1.6	337.8	7560	-18.4	53	1.2	335.4	7566	400	
425	-14.4	31	.9	333.8	7100	-15.0	84	2.4	337.8	7124	-15.0	88	2.5	338.3	7103	-14.4	50	1.5	335.8	7109	425	
450	-11.1	32	1.2	333.5	6664	-12.2	78	2.6	336.8	6689	-12.7	45	1.4	332.3	6669	-10.6	47	1.8	336.3	6673	450	
475	-8.5	39	1.7	333.2	6246	-8.9	70	2.9	336.6	6273	-9.7	53	2.0	332.9	6254	-8.8	50	2.1	334.3	6254	475	
500	-6.6	52	2.4	333.2	5847	-6.1	72	3.5	337.2	5873	-6.9	63	2.9	334.2	5855	-6.9	46	2.1	331.9	5856	500	
525	-4.6	25	1.3	327.5	5464	-4.5	51	2.7	332.1	5489	-4.2	59	3.1	333.8	5472	-4.8	32	1.6	328.3	5473	525	
550	-2.4	18	1.1	325.0	5097	-2.1	47	2.8	331.0	5121	-1.6	39	2.4	330.3	5103	-3.1	34	1.9	326.8	5106	550	
575	-.3	25	1.6	325.2	4743	.4	45	3.1	330.7	4766	.1	46	3.0	330.1	4748	-1.4	52	3.1	328.6	4752	575	
600	1.6	32	2.3	325.5	4401	2.7	44	3.4	330.3	4423	.0	88	5.6	333.8	4406	.9	56	3.8	329.4	4412	600	
625	3.5	38	3.0	326.1	4071	4.2	53	4.4	331.3	4092	1.7	80	5.6	331.7	4078	2.1	69	4.9	330.4	4082	625	
650	5.4	41	3.5	326.5	3751	5.7	62	5.5	332.6	3771	4.3	49	3.9	326.2	3760	4.5	53	4.3	327.6	3764	650	
675	7.7	37	3.6	325.8	3442	8.0	54	5.4	331.6	3461	6.8	30	2.7	322.1	3451	6.2	53	4.6	327.2	3455	675	
700	9.8	33	3.6	324.9	3141	10.2	47	5.2	330.3	3159	9.1	20	2.1	319.5	3151	7.6	57	5.4	327.6	3156	700	
725	11.2	37	4.3	325.4	2848	12.4	40	4.9	328.7	2866	10.9	27	3.0	321.2	2860	9.5	53	5.5	326.8	2866	725	
750	12.3	45	5.4	326.6	2565	14.0	40	5.4	328.6	2581	12.6	34	4.1	323.2	2577	11.5	47	5.4	325.6	2583	750	
775	13.4	52	6.5	328.0	2289	15.0	49	6.8	330.7	2304	12.3	82	9.6	335.5	2301	12.7	56	6.7	327.7	2308	775	
800	15.3	44	6.0	325.8	2021	15.9	58	8.2	332.9	2034	12.8	98	11.4	338.0	2034	13.9	64	8.0	330.0	2040	800	
825	17.3	33	4.9	322.1	1759	16.8	66	9.7	335.1	1772	14.7	80	10.2	334.2	1774	15.1	72	9.5	332.4	1780	825	
850	16.5	57	7.9	326.8	1505	17.9	72	10.9	337.1	1516	16.6	76	10.7	334.8	1519	16.5	74	10.4	333.8	1526	850	
875	17.9	66	9.8	331.1	1257	19.6	70	11.5	337.8	1267	18.5	72	11.1	335.4	1271	18.2	71	10.7	333.9	1277	875	
900	19.8	64	10.3	331.9	1014	21.3	68	12.0	338.6	1023	20.3	68	11.5	335.8	1028	19.8	68	11.0	334.0	1035	900	
925	21.7	58	10.3	331.6	777	22.9	66	12.6	339.4	784	21.4	72	12.6	337.6	790	21.4	65	11.4	334.1	798	925	
950	23.2	62	11.8	334.9	545	24.4	65	13.2	340.4	550	22.3	81	14.7	341.7	558	22.6	73	13.4	338.5	565	950	
975	25.5	67	14.3	342.0	317	25.2	78	16.3	347.0	322	24.4	82	16.4	346.2	330	23.9	80	15.5	343.3	338	975	
1000	28.0	71	17.0	350.1	92	26.6	71	15.7	344.7	98	26.4	83	18.2	351.1	107	26.2	79	17.3	348.4	115	1000	
SFC.	29.0	72	18.3	353.8	0	27.2	68	15.5	343.6	0	27.3	83	19.1	353.5	0	27.4	79	18.2	351.2	0	SFC.	
				SURFACE PRESSURE	1010.4				SURFACE PRESSURE	1011.1				SURFACE PRESSURE	1012.1				SURFACE PRESSURE	1013.0		



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

4/17 1921 GMT						4/17 23 4 GMT						4/18 137 GMT						4/18 543 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-64.8	0	0.0	465.9	19591	0.0	0	0.0	0.0	0	-64.6	0	0.0	466.3	19498	-65.1	0	0.0	465.2	19467	60		
70	-66.9	0	0.0	441.2	18659	0.0	0	0.0	0.0	0	-69.2	0	0.0	436.4	18570	-71.4	35	.0	431.7	18543	70		
80	-73.6	18	.0	410.9	17861	0.0	0	0.0	0.0	0	-71.3	0	0.0	415.6	17777	-76.4	35	.0	405.2	17763	80		
90	-78.8	19	.0	386.9	17182	0.0	0	0.0	0.0	0	-74.9	26	.0	394.7	17086	-75.5	36	.0	393.6	17083	90		
100	-79.4	19	.0	374.3	16587	-78.5	23	.0	376.1	16526	-79.3	25	.0	374.5	16481	-80.1	36	.0	373.0	16480	100		
110	-77.2	18	.0	368.4	16043	-78.1	24	.0	366.7	15984	-78.6	25	.0	365.8	15939	-76.7	37	.0	369.4	15937	110		
120	-73.7	18	.0	365.7	15539	-75.0	23	.0	363.4	15483	-75.8	25	.0	362.0	15440	-73.9	37	.0	365.5	15432	120		
130	-70.5	18	.0	363.3	15068	-71.5	23	.0	361.4	15015	-72.3	26	.0	360.1	14973	-71.6	36	.0	361.3	14963	130		
140	-67.5	18	.0	360.9	14625	-68.1	23	.0	359.8	14574	-69.0	27	.0	358.2	14534	-69.5	36	.0	357.4	14523	140		
150	-66.7	18	.0	355.2	14209	-66.2	23	.0	356.0	14157	-67.3	27	.0	354.3	14119	-68.8	36	.0	351.6	14110	150		
160	-66.0	18	.0	350.0	13818	-66.1	23	.0	349.7	13767	-66.8	28	.0	348.6	13730	-68.0	35	.0	346.5	13724	160		
170	-64.0	18	.0	347.2	13449	-63.9	24	.0	347.3	13397	-65.2	28	.0	345.2	13362	-64.8	35	.0	345.9	13357	170		
180	-61.1	17	.0	346.4	13096	-61.5	24	.0	345.7	13045	-62.6	28	.0	343.9	13012	-61.7	35	.0	345.3	13006	180		
190	-58.2	17	.0	345.6	12758	-58.8	24	.0	344.8	12708	-60.1	28	.0	342.6	12677	-58.9	36	.0	344.7	12669	190		
200	-55.6	17	.0	344.9	12433	-55.9	24	.0	344.3	12384	-57.5	28	.0	341.9	12355	-56.1	36	.0	344.1	12345	200		
225	-49.2	16	.0	343.2	11672	-49.1	22	.0	343.5	11622	-50.3	30	.1	341.7	11599	-50.0	42	.1	342.3	11585	225		
250	-42.7	17	.1	342.8	10971	-42.9	21	.1	342.6	10922	-43.9	31	.1	341.2	10901	-44.2	43	.1	340.9	10888	250		
275	-36.9	19	.1	342.3	10320	-37.4	20	.1	341.6	10271	-38.1	32	.2	340.7	10253	-38.8	28	.1	339.6	10241	275		
300	-31.5	20	.2	341.7	9711	-32.3	19	.2	340.5	9664	-32.8	32	.3	340.2	9647	-33.9	23	.2	338.2	9638	300		
325	-27.1	24	.3	340.6	9139	-28.4	26	.3	338.8	9095	-28.3	22	.3	338.8	9078	-29.5	25	.3	337.1	9072	325		
350	-23.4	30	.5	339.2	8601	-23.4	27	.4	339.0	8558	-24.5	41	.6	338.1	8543	-25.2	29	.4	336.4	8537	350		
375	-19.9	36	.8	338.1	8092	-20.0	31	.6	337.5	8050	-20.8	46	.9	337.4	8036	-22.3	48	.8	335.1	8034	375		
400	-16.6	41	1.1	337.3	7610	-16.9	35	.9	336.3	7568	-17.2	45	1.1	336.7	7556	-18.9	71	1.5	335.8	7556	400		
425	-13.1	35	1.1	336.3	7152	-13.5	31	1.0	335.3	7110	-14.0	38	1.2	335.2	7098	-15.9	74	1.9	335.3	7101	425		
450	-9.8	29	1.2	335.1	6713	-10.3	28	1.1	334.2	6673	-11.4	50	1.8	335.2	6662	-13.3	81	2.5	334.8	6668	450		
475	-7.6	29	1.3	333.3	6294	-8.2	29	1.3	332.3	6254	-8.7	44	1.8	333.6	6245	-11.2	95	3.3	335.0	6254	475		
500	-5.8	32	1.6	331.5	5893	-6.1	30	1.4	330.6	5855	-6.6	44	2.1	332.1	5846	-7.8	79	3.4	334.8	5857	500		
525	-4.2	35	1.9	329.8	5510	-4.2	30	1.6	329.0	5471	-5.1	52	2.6	331.0	5463	-5.7	84	4.0	334.7	5476	525		
550	-2.2	40	2.3	329.4	5142	-2.4	33	1.9	327.7	5103	-2.8	47	2.7	329.6	5095	-3.0	50	2.8	329.7	5109	550		
575	-.1	47	3.1	330.2	4787	-.8	47	2.9	328.7	4749	-.6	47	3.0	329.1	4742	-.7	43	2.7	328.2	4755	575		
600	1.7	55	4.0	330.9	4445	1.4	45	3.2	328.1	4408	1.8	39	2.9	327.7	4400	1.6	36	2.6	326.5	4414	600		
625	3.6	52	4.1	329.8	4114	3.4	44	3.4	327.5	4078	4.0	38	3.0	327.0	4069	3.7	30	2.4	324.6	4083	625		
650	5.7	43	3.8	327.5	3794	5.4	42	3.7	326.9	3758	5.5	52	4.5	329.5	3749	5.7	39	3.5	326.6	3764	650		
675	7.3	42	4.0	326.7	3485	7.4	41	3.9	326.3	3449	7.7	40	3.9	326.8	3439	7.4	44	4.2	327.4	3454	675		
700	8.7	49	4.9	327.5	3184	9.2	39	4.1	325.7	3148	9.5	35	3.8	325.1	3138	9.1	38	4.0	325.1	3153	700		
725	10.2	52	5.6	327.9	2893	10.2	50	5.4	327.3	2856	11.0	38	4.3	325.1	2846	10.7	40	4.5	325.3	2862	725		
750	12.3	44	5.2	326.2	2610	11.8	40	4.7	324.1	2574	12.3	40	4.9	325.1	2563	12.2	43	5.1	325.6	2578	750		
775	13.4	53	6.6	328.4	2334	13.2	45	5.5	325.1	2298	13.7	43	5.4	325.3	2287	13.8	45	5.7	326.0	2303	775		
800	15.0	59	7.9	331.0	2066	14.6	50	6.4	326.2	2030	15.0	45	6.0	325.6	2019	15.2	46	6.3	326.6	2034	800		
825	16.8	61	9.0	333.1	1804	15.8	54	7.4	327.5	1769	16.3	52	7.3	327.8	1758	16.6	48	7.0	327.2	1772	825		
850	18.6	63	10.0	335.4	1548	17.1	58	8.4	328.9	1515	17.6	62	9.3	332.0	1503	18.0	50	7.7	327.9	1517	850		
875	20.4	65	11.2	337.9	1298	18.7	55	8.5	328.3	1267	17.6	60	8.8	327.9	1254	19.3	52	8.4	328.8	1268	875		
900	22.1	66	12.4	340.6	1053	20.2	56	9.3	329.7	1024	17.9	73	10.6	330.4	1013	19.4	73	11.6	335.1	1026	900		
925	23.7	68	13.7	343.5	813	21.6	62	11.0	333.5	787	21.5	91	16.2	347.5	776	20.6	83	13.8	339.8	789	925		
950	25.4	69	15.0	346.5	579	23.1	68	12.8	337.4	554	23.7	83	16.4	348.0	543	23.1	78	14.7	342.8	556	950		
975	26.9	71	16.4	349.8	349	25.2	64	13.3	338.9	326	25.7	76	16.4	348.0	314	25.5	73	15.6	345.7	328	975		
1000	28.5	72	17.9	353.3	123	28.1	66	15.9	347.0	102	27.7	68	16.2	347.5	90	27.8	69	16.5	348.4	104	1000		
SFC.	29.3	73	18.8	355.3	0	30.3	73	20.0	360.3	0	29.0	69	17.5	351.7	0	28.9	67	16.8	349.6	0	SFC.		
	SURFACE PRESSURE 1013.9					SURFACE PRESSURE 1011.5					SURFACE PRESSURE 1010.1					SURFACE PRESSURE 1011.7							

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

4/18 1147 GMT						4/18 1755 GMT					4/18 2339 GMT					4/19 557 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-65.4	0	0.0	464.5	19532	-64.4	0	0.0	466.8	19543	-63.7	0	0.0	468.3	19568	-67.9	41	.0	459.1	19538	60	
70	-71.8	0	0.0	430.9	18608	-69.3	0	0.0	436.1	18616	-67.2	19	.0	440.8	18626	-68.8	42	.0	437.3	18611	70	
80	-75.5	47	.0	407.1	17831	-74.4	21	.0	409.3	17825	-74.2	20	.0	409.8	17834	-75.8	42	.0	406.4	17821	80	
90	-77.2	47	.0	390.3	17148	-77.4	21	.0	390.3	17144	-76.1	20	.0	392.4	17153	-78.2	42	.0	388.2	17149	90	
100	-79.1	47	.0	374.9	16549	-77.6	22	.0	377.8	16537	-76.1	20	.0	380.7	16545	-76.9	42	.0	379.2	16545	100	
110	-77.5	47	.0	367.8	16006	-77.2	20	.0	368.3	15993	-77.0	20	.0	368.9	15998	-76.8	42	.0	369.2	15999	110	
120	-75.0	47	.0	363.5	15505	-74.9	22	.0	363.7	15491	-74.3	19	.0	364.7	15495	-73.9	42	.0	365.5	15495	120	
130	-71.6	47	.0	361.4	15036	-71.5	22	.0	361.4	15022	-71.5	19	.0	361.5	15026	-71.1	42	.0	362.2	15024	130	
140	-68.6	47	.0	359.0	14595	-68.5	22	.0	359.2	14581	-68.6	20	.0	359.0	14585	-68.4	42	.0	359.4	14583	140	
150	-66.6	48	.0	355.5	14180	-67.0	22	.0	354.7	14165	-65.9	20	.0	356.6	14169	-65.9	42	.0	356.7	14167	150	
160	-66.0	49	.0	349.9	13788	-67.0	22	.0	348.2	13776	-64.8	21	.0	352.0	13776	-64.9	43	.0	351.9	13774	160	
170	-63.6	49	.0	348.0	13418	-63.7	22	.0	347.7	13407	-63.5	20	.0	348.1	13404	-63.2	44	.0	348.6	13403	170	
180	-60.8	50	.0	347.0	13065	-60.6	22	.0	347.2	13053	-61.7	20	.0	345.3	13052	-60.6	45	.0	347.2	13050	180	
190	-58.1	50	.0	345.9	12727	-57.7	21	.0	346.6	12715	-59.0	21	.0	344.5	12715	-58.2	45	.0	345.9	12711	190	
200	-55.6	51	.1	344.9	12402	-54.9	21	.0	345.9	12389	-56.2	21	.0	343.9	12392	-55.8	46	.0	344.6	12386	200	
225	-49.2	53	.1	343.5	11641	-49.8	21	.0	342.4	11627	-48.9	21	.0	343.7	11631	-49.3	44	.1	343.4	11626	225	
250	-42.9	57	.2	343.1	10941	-43.3	17	.1	341.9	10928	-42.9	20	.1	342.5	10930	-43.1	42	.1	342.6	10926	250	
275	-37.2	60	.3	342.8	10290	-37.6	15	.1	341.1	10278	-37.6	19	.1	341.2	10279	-38.1	54	.3	341.2	10276	275	
300	-31.9	51	.4	342.2	9682	-32.9	15	.1	339.5	9672	-32.8	18	.1	339.8	9673	-33.6	54	.4	339.6	9672	300	
325	-28.2	29	.3	339.2	9112	-28.6	14	.2	337.9	9104	-28.3	19	.2	338.6	9104	-28.7	19	.2	337.9	9105	325	
350	-23.9	28	.4	338.3	8576	-24.6	14	.2	336.4	8569	-23.9	23	.4	337.9	8568	-24.6	32	.5	337.5	8570	350	
375	-19.9	27	.6	337.4	8068	-20.8	19	.4	335.5	8063	-20.0	17	.3	336.4	8060	-20.8	29	.6	336.2	8064	375	
400	-17.2	79	2.0	339.6	7586	-17.2	28	.7	335.2	7582	-17.3	29	.7	335.2	7579	-17.0	31	.8	335.8	7583	400	
425	-14.7	90	2.6	339.1	7129	-13.9	28	.9	334.4	7125	-14.1	31	.9	334.3	7122	-14.0	13	.4	332.6	7125	425	
450	-11.4	72	2.6	337.7	6693	-11.2	43	1.6	334.7	6688	-11.0	33	1.2	333.7	6685	-10.8	13	.5	331.5	6689	450	
475	-8.5	67	2.8	337.0	6275	-8.7	38	1.6	332.7	6271	-9.0	33	1.3	331.6	6268	-9.2	39	1.6	332.0	6272	475	
500	-6.3	69	3.3	336.5	5875	-6.5	18	.9	328.3	5872	-6.6	36	1.7	330.8	5870	-7.3	28	1.2	328.4	5874	500	
525	-4.6	87	4.5	337.6	5492	-5.2	65	3.2	332.8	5490	-4.0	41	2.2	331.1	5487	-5.8	61	2.9	330.9	5493	525	
550	-2.6	93	5.3	338.1	5124	-3.1	60	3.3	331.3	5122	-1.8	38	2.3	329.8	5118	-2.7	52	3.0	330.8	5126	550	
575	-.8	68	4.2	332.6	4770	-.9	45	2.8	328.1	4769	.3	33	2.2	327.8	4763	.4	44	3.0	330.3	4771	575	
600	1.5	50	3.5	329.3	4428	1.2	35	2.4	325.5	4428	2.2	28	2.1	325.8	4420	2.6	44	3.4	330.2	4428	600	
625	3.8	62	5.0	332.7	4097	3.1	45	3.4	327.0	4098	4.0	30	2.4	325.1	4090	3.8	57	4.5	331.3	4097	625	
650	5.8	59	5.2	332.1	3777	4.9	54	4.5	328.8	3779	5.4	46	4.0	327.8	3770	5.7	55	4.9	330.8	3777	650	
675	7.7	41	4.0	327.0	3467	6.8	40	3.7	325.0	3470	7.5	34	3.3	324.6	3460	7.9	47	4.6	329.1	3466	675	
700	9.7	29	3.1	323.3	3166	8.8	27	2.7	320.9	3170	9.5	23	2.5	321.2	3160	10.0	39	4.2	327.0	3165	700	
725	10.6	69	7.6	334.3	2874	11.2	36	4.1	324.8	2878	11.1	29	3.3	322.4	2868	11.3	45	5.2	328.3	2873	725	
750	12.1	67	7.9	333.7	2590	11.7	50	5.8	327.0	2595	12.7	35	4.3	323.7	2584	12.5	55	6.7	330.6	2589	750	
775	13.5	66	8.3	333.4	2314	13.2	55	6.7	328.3	2320	14.2	40	5.2	325.3	2308	13.6	65	8.2	333.1	2312	775	
800	14.2	77	9.9	335.5	2046	14.8	56	7.5	329.5	2052	15.6	45	6.2	326.8	2039	14.6	74	9.8	335.7	2044	800	
825	15.9	73	10.1	335.1	1785	16.4	58	8.3	330.7	1790	16.9	48	7.1	328.0	1777	15.7	83	11.4	338.5	1782	825	
850	18.0	63	9.7	333.6	1530	18.0	60	9.2	332.2	1535	18.2	52	8.0	329.3	1522	17.2	85	12.4	340.4	1527	850	
875	19.4	70	11.5	337.5	1280	19.0	67	10.7	334.7	1286	19.5	55	9.0	330.8	1273	19.0	83	13.3	341.9	1278	875	
900	20.8	77	13.4	341.7	1036	19.9	75	12.3	337.5	1043	20.7	59	10.1	332.4	1029	20.6	82	14.1	343.5	1035	900	
925	22.2	84	15.4	346.3	798	21.2	78	13.5	339.9	805	21.9	62	11.1	334.1	792	22.3	81	14.9	345.1	796	925	
950	23.5	90	17.6	351.2	564	23.0	77	14.5	342.0	573	23.0	65	12.3	335.9	559	23.9	79	15.8	346.7	563	950	
975	25.2	85	18.0	351.7	336	24.4	84	16.9	347.8	345	25.3	64	13.4	339.4	331	25.4	78	16.6	348.3	334	975	
1000	27.1	76	17.5	350.2	111	26.8	80	18.0	351.3	121	28.5	67	16.6	349.6	107	27.0	77	17.4	349.9	110	1000	
SFC.	28.0	72	17.2	349.2	0	28.0	78	18.6	353.1	0	30.5	73	20.2	361.1	0	27.7	76	17.8	350.7	0	SFC.	
				SURFACE PRESSURE	1012.6				SURFACE PRESSURE	1013.7				SURFACE PRESSURE	1012.0				SURFACE PRESSURE	1012.4		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

P	4/19 1210 GMT				4/19 17 5 GMT				4/19 1937 GMT				4/19 2328 GMT				P				
	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H						
60	-66.5	0	0.0	462.0	19612	-67.0	0	0.0	460.9	19542	-64.4	0	0.0	466.8	19584	-65.6	0	0.0	464.1	19571	60
70	-68.6	0	0.0	437.7	18684	-67.9	0	0.0	439.1	18614	-67.6	0	0.0	439.8	18648	-70.7	0	0.0	433.1	18646	70
80	-75.2	0	0.0	407.6	17891	-71.3	0	0.0	415.7	17814	-69.3	16	.0	419.8	17848	-72.0	13	.0	414.3	17857	80
90	-79.4	0	0.0	385.7	17222	-78.3	20	.0	388.1	17132	-77.9	17	.0	388.8	17163	-77.1	13	.0	390.3	17175	90
100	-77.8	32	.0	377.4	16622	-78.6	20	.0	375.9	16531	-77.9	17	.0	377.2	16560	-78.6	14	.0	375.9	16572	100
110	-74.9	32	.0	372.8	16072	-76.3	20	.0	370.2	15985	-75.9	17	.0	370.8	16012	-75.5	14	.0	371.6	16025	110
120	-72.2	33	.0	368.6	15564	-74.2	19	.0	364.9	15481	-74.1	16	.0	365.0	15507	-73.0	14	.0	367.2	15518	120
130	-69.7	33	.0	364.7	15090	-72.2	19	.0	360.2	15012	-72.4	16	.0	359.8	15039	-72.0	14	.0	360.6	15048	130
140	-67.4	33	.0	361.0	14646	-70.4	19	.0	355.8	14574	-70.2	16	.0	356.1	14601	-69.0	14	.0	358.3	14608	140
150	-65.3	33	.0	357.6	14228	-67.6	19	.0	353.7	14161	-67.2	16	.0	354.3	14188	-66.1	14	.0	356.3	14193	150
160	-63.3	33	.0	354.5	13833	-65.0	19	.0	351.6	13770	-64.4	17	.0	352.6	13796	-63.1	14	.0	354.8	13798	160
170	-61.5	34	.0	351.5	13459	-62.6	19	.0	349.6	13399	-61.8	17	.0	350.9	13424	-60.4	13	.0	353.3	13423	170
180	-59.7	34	.0	348.7	13103	-60.2	19	.0	347.8	13044	-59.3	17	.0	349.3	13068	-57.8	13	.0	351.8	13065	180
190	-57.9	34	.0	346.2	12764	-58.1	19	.0	346.0	12705	-57.1	17	.0	347.5	12727	-55.9	13	.0	349.3	12722	190
200	-55.3	34	.0	345.4	12439	-55.8	19	.0	344.5	12381	-55.0	17	.0	345.8	12401	-54.3	13	.0	346.9	12395	200
225	-49.0	33	.1	343.7	11677	-50.1	19	.0	342.0	11621	-50.1	17	.0	341.8	11640	-49.6	13	.0	342.6	11632	225
250	-42.7	25	.1	343.0	10975	-44.9	19	.1	339.6	10925	-44.8	17	.0	339.6	10945	-44.1	13	.0	340.7	10935	250
275	-37.1	23	.1	342.0	10324	-38.7	18	.1	339.6	10279	-38.6	16	.1	339.7	10299	-38.1	12	.1	340.4	10287	275
300	-32.1	22	.2	341.0	9716	-33.0	18	.1	339.4	9674	-32.9	15	.1	339.5	9694	-32.6	11	.1	339.9	9681	300
325	-27.8	32	.4	339.9	9146	-27.8	17	.2	339.2	9105	-27.6	14	.2	339.3	9124	-27.5	11	.1	339.4	9111	325
350	-24.0	49	.8	339.3	8609	-24.5	24	.4	337.2	8568	-24.3	16	.3	337.1	8587	-22.8	10	.2	338.8	8573	350
375	-19.6	43	.9	339.0	8101	-21.7	31	.6	335.0	8064	-21.7	19	.3	334.3	8082	-19.9	11	.2	336.2	8063	375
400	-16.0	24	.7	336.7	7618	-17.6	30	.7	334.8	7584	-17.0	18	.5	334.6	7603	-16.5	13	.3	334.9	7582	400
425	-12.7	13	.5	334.5	7159	-14.0	18	.6	333.1	7127	-13.8	16	.5	333.1	7145	-12.8	10	.3	333.9	7122	425
450	-9.9	34	1.4	335.7	6720	-11.5	21	.7	331.5	6691	-10.9	16	.6	331.7	6708	-9.7	10	.4	332.7	6684	450
475	-7.4	34	1.6	334.5	6301	-9.2	39	1.6	332.0	6275	-8.5	22	.9	330.7	6291	-7.1	10	.5	331.0	6265	475
500	-4.9	19	1.0	330.6	5900	-6.4	26	1.2	329.6	5876	-5.6	17	.9	329.4	5891	-5.3	15	.8	329.4	5864	500
525	-3.2	46	2.7	333.6	5515	-3.8	18	1.0	327.4	5493	-3.2	18	1.0	328.4	5507	-1.6	10	.7	329.0	5478	525
550	-.8	47	3.1	333.5	5145	-2.1	39	2.3	329.5	5124	-1.5	29	1.8	328.4	5137	.1	16	1.1	328.1	5107	550
575	1.8	38	2.9	331.7	4788	-.1	49	3.2	330.4	4770	.5	30	2.1	327.7	4782	.9	25	1.8	327.2	4750	575
600	4.3	34	2.9	330.9	4443	2.7	35	2.7	328.2	4427	2.7	29	2.2	326.8	4439	2.4	31	2.3	326.6	4407	600
625	5.9	41	3.8	331.7	4109	4.1	44	3.6	328.9	4096	4.6	34	2.9	327.2	4108	3.8	25	2.0	323.6	4076	625
650	7.5	48	4.8	332.7	3787	6.5	38	3.5	327.8	3775	6.3	40	3.6	327.8	3787	5.3	41	3.5	326.1	3757	650
675	9.0	54	5.8	333.9	3475	7.7	50	4.9	329.7	3465	7.3	51	4.8	329.0	3477	6.7	48	4.4	327.0	3448	675
700	10.4	51	5.7	332.0	3173	9.4	46	4.9	328.2	3164	8.5	38	3.7	323.9	3177	7.6	43	4.0	323.6	3148	700
725	11.8	46	5.5	329.5	2880	10.9	50	5.7	329.1	2872	10.2	42	4.5	324.8	2886	7.5	26	2.3	315.1	2859	725
750	13.1	57	7.2	332.8	2595	12.3	51	6.1	328.9	2588	11.8	47	5.5	326.3	2603	9.5	48	4.7	321.5	2579	750
775	14.8	55	7.5	332.7	2318	13.6	60	7.6	331.4	2312	13.4	52	6.4	327.8	2327	11.0	54	5.8	323.1	2306	775
800	16.2	62	8.9	335.3	2048	14.9	68	9.1	334.2	2043	14.8	54	7.2	328.8	2059	13.2	71	8.5	330.4	2040	800
825	16.9	83	12.2	342.4	1786	16.1	76	10.7	337.3	1782	16.3	57	8.1	329.9	1798	14.7	77	9.9	333.1	1779	825
850	18.4	78	12.3	341.6	1529	17.4	81	12.0	339.4	1526	17.6	60	9.0	331.2	1543	16.6	85	12.0	338.4	1526	850
875	19.9	83	14.1	345.4	1279	18.7	84	13.1	341.1	1277	18.9	63	9.9	332.5	1294	18.9	95	15.1	347.0	1276	875
900	21.4	88	15.9	349.6	1035	20.0	86	14.2	343.0	1034	20.2	65	10.9	334.0	1051	20.1	92	15.3	346.1	1032	900
925	22.9	90	17.3	352.4	795	21.4	87	15.2	344.8	796	21.5	68	11.9	335.6	813	21.4	91	16.1	347.1	794	925
950	24.4	86	17.8	352.9	561	23.2	83	15.9	346.1	563	22.7	70	12.9	337.3	581	23.0	91	17.2	349.5	561	950
975	25.9	83	18.2	353.1	332	24.9	80	16.5	347.4	335	25.2	73	15.3	344.4	353	25.4	80	16.9	349.1	333	975
1000	27.3	80	18.5	353.3	107	26.7	77	17.1	348.6	111	27.6	76	18.0	352.4	129	28.0	75	18.1	353.1	108	1000
SFC.	28.0	78	18.7	353.3	0	27.5	75	17.4	349.1	0	29.0	78	19.8	357.5	0	29.5	79	20.7	361.0	0	SFC.
				SURFACE PRESSURE	1012.1				SURFACE PRESSURE	1012.6				SURFACE PRESSURE	1014.5				SURFACE PRESSURE	1012.2	

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA PALMYRA ISLAND

4/20 2 0 GMT					4/20 7 5 GMT					4/20 1143 GMT					4/20 1740 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-64.9	0	0.0	465.6	19576	-66.6	0	0.0	461.8	19519	-64.1	0	0.0	467.3	19514	-64.2	0	0.0	467.2	19558	60
70	-70.2	16	.0	434.3	18650	-69.7	0	0.0	435.3	18593	-68.4	0	0.0	438.0	18576	-65.1	0	0.0	445.2	18615	70
80	-73.0	17	.0	412.3	17861	-75.4	21	.0	407.2	17808	-74.6	0	0.0	408.9	17787	-74.1	19	.0	410.0	17819	80
90	-77.4	17	.0	389.7	17182	-78.8	22	.0	387.0	17134	-79.4	0	0.0	385.8	17112	-77.4	20	.0	389.7	17139	90
100	-77.8	17	.0	377.4	16578	-79.1	23	.0	374.9	16535	-78.3	0	0.0	376.5	16512	-77.7	19	.0	377.6	16535	100
110	-75.5	17	.0	371.6	16030	-76.9	22	.0	369.0	15990	-76.0	0	0.0	370.6	15965	-76.9	19	.0	369.1	15988	110
120	-73.4	17	.0	366.4	15523	-74.9	22	.0	363.6	15488	-74.0	0	0.0	365.2	15460	-75.3	19	.0	362.9	15486	120
130	-71.4	17	.0	361.6	15053	-73.1	21	.0	358.6	15021	-73.4	0	0.0	358.0	14993	-73.6	19	.0	357.6	15021	130
140	-69.6	17	.0	357.1	14613	-71.1	21	.0	354.6	14585	-71.0	0	0.0	354.7	14557	-71.4	19	.0	354.0	14585	140
150	-66.9	17	.0	354.8	14199	-68.1	21	.0	352.8	14173	-68.2	0	0.0	352.6	14146	-68.2	19	.0	352.7	14174	150
160	-64.2	17	.0	353.0	13807	-65.4	20	.0	351.0	13783	-65.6	0	0.0	350.5	13756	-65.0	18	.0	351.6	13784	160
170	-61.6	17	.0	351.3	13434	-62.8	20	.0	349.3	13412	-63.2	0	0.0	348.6	13385	-62.4	18	.0	350.0	13412	170
180	-59.1	17	.0	349.6	13078	-60.3	20	.0	347.7	13058	-60.7	0	0.0	346.9	13032	-60.5	19	.0	347.3	13058	180
190	-56.8	16	.0	348.0	12737	-57.8	20	.0	346.4	12719	-58.1	0	0.0	345.9	12693	-57.8	19	.0	346.4	12719	190
200	-54.6	16	.0	346.4	12410	-55.3	20	.0	345.2	12393	-55.5	0	0.0	344.9	12368	-55.1	20	.0	345.6	12393	200
225	-49.5	16	.0	342.7	11648	-49.7	19	.0	342.5	11632	-49.2	0	0.0	343.1	11607	-49.0	20	.0	343.6	11631	225
250	-43.5	15	.1	341.6	10949	-44.4	19	.1	340.3	10935	-43.1	0	0.0	342.1	10907	-43.1	19	.1	342.4	10930	250
275	-37.7	15	.1	341.0	10300	-39.0	19	.1	339.2	10289	-37.6	M	M	M	10257	-37.7	18	.1	341.0	10280	275
300	-32.3	14	.1	340.3	9693	-33.9	19	.1	338.1	9686	-33.7	M	M	M	9653	-32.8	21	.2	339.8	9674	300
325	-27.5	14	.2	339.6	9123	-29.3	18	.2	337.0	9120	-28.4	M	M	M	9085	-28.5	32	.4	338.9	9105	325
350	-22.9	13	.2	338.8	8584	-25.1	18	.3	336.0	8586	-24.4	M	M	M	8549	-24.4	33	.5	337.8	8570	350
375	-18.7	13	.3	338.1	8074	-21.1	18	.3	335.0	8080	-21.2	M	M	M	8044	-20.5	21	.4	336.1	8063	375
400	-16.4	16	.4	335.3	7592	-17.4	18	.4	334.1	7601	-17.5	10	.2	333.2	7564	-17.2	18	.4	334.4	7583	400
425	-12.9	17	.5	334.5	7133	-14.3	17	.5	332.6	7144	-14.8	14	.4	331.5	7107	-15.2	26	.7	332.2	7127	425
450	-9.7	16	.7	333.6	6695	-11.4	16	.6	331.1	6708	-12.3	14	.5	329.6	6673	-12.3	16	.5	329.7	6692	450
475	-7.7	18	.8	331.4	6275	-8.9	30	1.2	331.3	6291	-9.4	10	.4	327.8	6258	-9.3	12	.5	328.3	6277	475
500	-4.9	16	.8	330.1	5874	-6.7	45	2.1	332.0	5892	-7.7	22	.9	327.0	5860	-6.6	14	.7	327.4	5879	500
525	-2.2	13	.8	328.8	5489	-3.8	29	1.6	329.5	5509	-5.4	60	2.9	331.5	5479	-4.3	27	1.4	328.1	5496	525
550	-.3	32	2.1	331.0	5118	-1.1	48	3.0	332.9	5139	-2.2	16	1.0	324.8	5111	-2.2	39	2.3	329.3	5128	550
575	1.2	31	2.2	329.0	4761	.6	49	3.4	332.0	4783	-1.5	55	3.3	329.0	4758	.0	33	2.2	327.3	4773	575
600	3.2	26	2.1	326.7	4418	2.5	55	4.1	332.4	4440	.6	46	3.1	326.9	4417	2.0	33	2.5	326.7	4431	600
625	5.1	25	2.2	325.7	4086	4.7	60	5.1	334.2	4109	2.7	36	2.6	324.2	4088	3.8	47	3.7	328.9	4100	625
650	6.9	38	3.7	328.8	3765	6.9	50	4.8	332.0	3787	4.8	25	2.1	321.2	3770	5.5	55	4.8	330.4	3780	650
675	9.0	39	4.2	329.2	3453	8.9	40	4.2	329.2	3476	7.3	60	5.7	331.6	3461	7.3	52	5.0	329.4	3470	675
700	10.7	28	3.3	325.0	3151	10.5	47	5.3	330.7	3174	8.6	94	9.4	340.4	3160	8.9	50	5.1	328.3	3170	700
725	11.9	40	4.9	327.9	2858	11.8	51	6.1	331.5	2880	9.6	78	8.1	334.4	2868	10.4	56	6.1	329.5	2878	725
750	13.1	52	6.5	330.9	2573	12.9	51	6.4	330.2	2596	11.5	95	10.9	341.5	2585	11.7	64	7.4	331.8	2595	750
775	14.2	63	8.3	334.0	2297	13.9	68	8.8	335.2	2319	12.9	95	11.6	342.0	2309	13.3	54	6.7	328.6	2320	775
800	15.2	73	10.1	337.3	2027	15.2	76	10.4	338.4	2050	14.3	95	12.3	342.5	2040	15.3	48	6.5	327.1	2051	800
825	16.4	75	10.6	337.3	1765	16.6	75	10.9	338.2	1788	15.6	96	13.1	343.1	1778	16.9	45	6.7	326.7	1789	825
850	17.5	75	11.2	337.3	1510	17.7	71	10.7	336.0	1533	16.9	96	13.8	343.8	1523	18.1	54	8.2	329.6	1534	850
875	18.7	87	13.7	342.7	1261	19.7	83	13.8	344.4	1283	18.2	96	14.5	344.5	1274	19.2	62	9.8	332.7	1285	875
900	20.5	82	13.8	342.6	1018	21.4	91	16.4	350.9	1039	19.5	95	15.2	345.2	1031	20.7	65	11.1	335.2	1042	900
925	22.1	74	13.6	341.2	779	22.8	87	16.7	350.6	799	21.3	90	15.7	345.9	794	22.4	66	12.2	337.7	804	925
950	23.4	87	16.7	348.7	546	24.2	83	16.9	350.1	565	23.0	86	16.1	346.5	561	24.1	67	13.3	340.2	570	950
975	25.3	84	17.8	351.6	318	25.5	79	17.0	349.6	336	24.6	81	16.5	346.9	333	25.7	67	14.5	343.0	342	975
1000	27.2	82	19.0	354.4	93	26.8	76	17.1	348.9	112	26.2	77	16.8	347.1	109	27.3	71	16.3	347.2	118	1000
SFC.	28.0	81	19.4	355.6	0	27.5	74	17.1	348.4	0	27.0	75	16.9	347.1	0	28.0	75	17.9	351.1	0	SFC.
				SURFACE PRESSURE	1010.5				SURFACE PRESSURE	1012.7				SURFACE PRESSURE	1012.4				SURFACE PRESSURE	1013.3	

A-62

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

4/20 2324 GMT						4/21 612 GMT					4/21 1142 GMT					4/21 1728 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-67.0	0	0.0	460.9	19556	-66.0	0	0.0	463.2	19525	-67.2	0	0.0	460.5	19503	-65.5	0	0.0	464.3	19561	60	
70	-71.8	0	0.0	430.8	18634	-68.2	0	0.0	438.5	18595	-68.9	0	0.0	436.9	18577	-66.0	0	0.0	443.2	18625	70	
80	-77.3	0	0.0	403.4	17858	-73.6	27	.0	411.0	17803	-78.5	41	.0	400.8	17797	-76.5	14	.0	405.0	17831	80	
90	-78.5	0	0.0	387.5	17186	-78.7	28	.0	387.2	17124	-78.5	41	.0	387.6	17127	-75.8	14	.0	392.9	17154	90	
100	-77.0	15	.0	379.0	16584	-76.9	28	.0	379.2	16521	-76.4	41	.0	380.2	16523	-74.0	14	.0	384.8	16543	100	
110	-74.7	15	.0	373.1	16033	-76.5	27	.0	369.8	15972	-77.4	41	.0	368.1	15976	-74.7	14	.0	373.0	15988	110	
120	-73.2	15	.0	366.7	15525	-76.1	27	.0	361.4	15471	-75.4	41	.0	362.7	15475	-75.4	14	.0	362.6	15483	120	
130	-73.3	15	.0	358.2	15058	-75.7	26	.0	353.9	15008	-73.6	41	.0	357.8	15009	-72.9	14	.0	358.9	15017	130	
140	-70.0	15	.0	356.6	14621	-72.4	26	.0	352.2	14576	-71.6	41	.0	353.8	14574	-70.3	15	.0	356.0	14580	140	
150	-66.6	15	.0	355.4	14207	-69.4	26	.0	350.6	14168	-68.5	41	.0	352.1	14164	-67.6	15	.0	353.6	14167	150	
160	-63.5	15	.0	354.1	13814	-66.5	26	.0	349.0	13780	-65.7	42	.0	350.5	13774	-64.9	15	.0	351.8	13776	160	
170	-62.6	15	.0	349.5	13441	-63.9	26	.0	347.5	13411	-63.0	42	.0	348.9	13403	-62.2	14	.0	350.1	13404	170	
180	-59.8	15	.0	348.4	13086	-61.0	26	.0	346.6	13058	-60.5	43	.0	347.4	13050	-59.8	14	.0	348.5	13049	180	
190	-57.2	15	.0	347.3	12747	-58.0	25	.0	346.0	12720	-58.1	43	.0	345.9	12711	-57.5	14	.0	346.9	12709	190	
200	-54.3	15	.0	346.9	12420	-55.3	25	.0	345.4	12394	-55.5	44	.0	345.0	12386	-55.0	14	.0	345.8	12383	200	
225	-47.7	16	.0	345.6	11654	-48.9	24	.0	343.7	11632	-49.1	48	.1	343.6	11624	-49.2	15	.0	343.3	11621	225	
250	-41.7	17	.1	344.3	10949	-43.1	23	.1	342.3	10931	-43.4	51	.2	342.3	10924	-44.0	15	.0	340.9	10922	250	
275	-36.3	17	.1	343.0	10295	-37.6	21	.1	341.3	10281	-38.0	43	.2	341.1	10276	-38.0	14	.1	340.5	10274	275	
300	-31.4	18	.2	341.8	9685	-32.5	20	.2	340.2	9675	-33.0	31	.2	339.8	9670	-32.3	13	.1	340.4	9667	300	
325	-27.5	14	.2	339.5	9115	-28.0	22	.3	339.1	9105	-28.6	44	.5	339.2	9102	-27.6	17	.2	339.6	9097	325	
350	-23.4	19	.3	338.5	8577	-24.3	19	.3	337.1	8569	-24.2	40	.6	338.5	8566	-23.9	24	.4	338.0	8560	350	
375	-19.3	20	.4	337.8	8068	-21.6	47	.9	336.2	8063	-21.1	71	1.3	338.6	8059	-20.6	29	.6	336.5	8053	375	
400	-16.2	35	.9	337.4	7585	-18.7	73	1.6	336.3	7586	-17.9	83	1.9	338.6	7580	-17.5	46	1.1	336.3	7572	400	
425	-13.4	36	1.1	335.9	7126	-15.3	83	2.3	337.1	7131	-14.9	60	1.7	335.9	7123	-14.6	56	1.6	336.0	7116	425	
450	-11.2	28	1.0	332.9	6690	-12.1	67	2.3	335.8	6696	-12.1	77	2.6	336.9	6688	-11.9	65	2.2	336.0	6680	450	
475	-8.7	21	.9	330.3	6273	-9.4	45	1.8	332.5	6280	-9.2	52	2.1	333.8	6272	-9.4	60	2.4	334.5	6264	475	
500	-5.9	19	.9	329.2	5873	-6.6	42	1.9	331.6	5881	-6.6	41	1.9	331.7	5873	-7.1	40	1.8	330.6	5865	500	
525	-3.2	17	1.0	328.0	5489	-4.0	38	2.1	330.7	5498	-4.3	49	2.6	332.1	5490	-4.0	41	2.2	331.2	5483	525	
550	-1.5	24	1.5	327.5	5120	-1.5	35	2.2	329.7	5129	-3.0	53	2.9	330.3	5122	-1.9	51	3.1	332.0	5114	550	
575	-.1	34	2.2	327.4	4765	1.1	26	1.9	327.7	4773	-.5	53	3.4	330.5	4768	-1.3	68	4.1	331.8	4760	575	
600	2.4	33	2.5	327.3	4423	2.4	54	4.1	332.2	4430	1.7	48	3.5	329.5	4426	1.2	72	5.0	333.5	4418	600	
625	4.8	33	2.8	327.2	4091	4.0	71	5.8	335.2	4099	3.5	60	4.7	331.5	4096	3.5	71	5.6	334.1	4088	625	
650	7.0	32	3.1	327.2	3770	5.9	63	5.6	333.3	3778	5.6	56	4.9	330.9	3776	5.5	69	6.0	334.1	3768	650	
675	9.0	33	3.5	327.0	3459	8.2	48	4.9	330.3	3468	7.8	63	6.2	333.7	3466	7.5	67	6.5	334.2	3458	675	
700	10.6	34	3.9	326.7	3157	9.8	52	5.6	331.1	3166	10.0	54	6.0	332.2	3164	9.2	71	7.4	335.4	3157	700	
725	12.2	36	4.3	326.6	2864	11.3	58	6.7	332.6	2873	11.9	65	7.8	336.4	2871	10.6	79	8.8	337.7	2864	725	
750	13.0	49	6.1	329.7	2579	12.4	71	8.6	336.1	2589	12.9	75	9.4	338.9	2586	11.9	87	10.3	340.2	2580	750	
775	13.9	53	6.9	329.8	2303	14.1	62	8.1	333.3	2313	13.8	85	11.0	341.4	2309	13.2	85	10.5	339.1	2304	775	
800	15.4	40	5.5	324.5	2034	15.1	73	9.9	336.7	2044	14.7	95	12.7	344.1	2040	14.0	88	11.2	338.9	2036	800	
825	16.9	42	6.2	325.3	1772	16.2	85	12.1	341.2	1782	16.3	74	10.6	337.1	1778	15.2	97	12.9	342.0	1775	825	
850	18.1	49	7.5	327.5	1517	17.9	80	12.3	340.9	1526	17.5	80	12.0	339.4	1523	16.6	96	13.6	342.8	1520	850	
875	19.2	56	8.9	330.2	1268	19.6	75	12.4	340.5	1277	18.5	93	14.5	344.8	1274	18.2	92	14.0	343.0	1271	875	
900	20.3	63	10.5	333.0	1025	21.2	72	12.8	340.7	1033	19.8	95	15.6	346.4	1030	19.8	88	14.3	343.0	1028	900	
925	21.3	70	12.1	336.1	788	22.4	81	15.1	345.6	794	21.2	97	16.8	348.7	792	21.3	84	14.6	343.0	791	925	
950	23.2	68	12.9	338.0	555	23.6	89	17.4	350.7	561	23.2	96	18.4	352.9	559	22.7	80	14.9	342.8	558	950	
975	25.6	62	13.2	338.9	327	25.6	83	17.8	351.6	332	24.8	91	18.8	353.4	331	24.2	78	15.3	343.1	330	975	
1000	28.2	61	15.0	344.8	103	27.5	77	18.0	352.2	107	26.4	84	18.5	352.1	107	25.4	85	17.7	348.6	107	1000	
SFC.	30.0	70	18.8	356.5	0	28.4	74	18.1	352.3	0	27.1	81	18.4	351.4	0	26.0	89	18.9	351.4	0	SFC.	
				SURFACE PRESSURE	1011.6				SURFACE PRESSURE	1012.1				SURFACE PRESSURE	1012.1				SURFACE PRESSURE	1012.2		



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/ 2 1220 GMT					3/ 3 7 0 GMT					3/ 3 1235 GMT					3/ 3 1510 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-67.9	0	0.0	458.9	19486	-68.8	0	0.0	456.9	19424	60
70	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-70.7	17	.0	433.2	18560	-72.1	0	0.0	430.2	18493	70
80	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-75.5	18	.0	407.0	17777	-76.2	0	0.0	405.6	17710	80
90	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-82.3	18	.0	380.0	17103	-80.7	0	0.0	383.2	17043	90
100	-80.5	20	.0	372.2	16478	0.0	0	0.0	0.0	0	-78.3	18	.0	376.5	16508	-77.5	0	0.0	378.0	16444	100
110	-76.9	19	.0	369.0	15936	0.0	0	0.0	0.0	0	-75.7	18	.0	371.3	15960	-76.6	0	0.0	369.5	15897	110
120	-72.0	18	.0	368.9	15430	0.0	0	0.0	0.0	0	-74.4	18	.0	364.4	15457	-75.6	0	0.0	362.3	15395	120
130	-70.7	17	.0	363.0	14957	0.0	0	0.0	0.0	0	-71.8	17	.0	360.9	14988	-72.5	0	0.0	359.7	14928	130
140	-69.4	17	.0	357.5	14516	0.0	0	0.0	0.0	0	-69.4	17	.0	357.5	14548	-69.6	0	0.0	357.1	14489	140
150	-67.9	16	.0	353.1	14103	0.0	0	0.0	0.0	0	-66.9	17	.0	354.9	14134	-67.0	0	0.0	354.7	14076	150
160	-65.3	16	.0	351.1	13713	0.0	0	0.0	0.0	0	-64.4	17	.0	352.6	13742	-64.5	0	0.0	352.5	13683	160
170	-65.6	16	.0	344.6	13344	-59.6	10	.0	354.5	13377	-61.5	17	.0	351.5	13369	-62.0	15	.0	350.6	13311	170
180	-63.1	18	.0	343.0	12995	-57.8	11	.0	351.8	13018	-58.1	16	.0	351.2	13012	-59.1	15	.0	349.6	12955	180
190	-59.7	17	.0	343.3	12659	-56.0	0	0.0	349.3	12676	-56.8	16	.0	348.0	12671	-56.4	15	.0	348.7	12614	190
200	-56.5	17	.0	343.5	12336	-53.5	0	0.0	348.0	12347	-54.4	16	.0	346.7	12344	-53.8	15	.0	347.8	12286	200
225	-49.0	15	.0	343.6	11576	-47.9	0	0.0	345.1	11580	-48.5	15	.0	344.4	11578	-47.9	15	.0	345.3	11519	225
250	-43.1	16	.1	342.3	10875	-43.0	10	.0	342.2	10877	-43.1	14	.0	342.2	10877	-44.1	18	.1	340.7	10819	250
275	-38.0	16	.1	340.6	10225	-39.4	10	.0	338.4	10230	-38.0	13	.1	340.6	10228	-39.1	15	.1	338.9	10173	275
300	-33.4	17	.1	338.9	9620	-34.1	10	.1	337.6	9628	-33.5	13	.1	338.6	9623	-34.5	12	.1	337.1	9570	300
325	-31.4	30	.3	334.4	9056	-29.3	10	.1	336.8	9062	-29.6	14	.1	336.5	9057	-30.3	11	.1	335.4	9006	325
350	-26.4	19	.2	334.2	8526	-25.1	10	.1	335.6	8528	-25.5	15	.2	335.3	8524	-26.2	12	.2	334.1	8474	350
375	-22.0	17	.3	333.6	8023	-21.4	12	.2	334.2	8022	-22.1	22	.4	333.8	8020	-22.3	13	.2	332.9	7971	375
400	-18.1	17	.4	333.0	7544	-18.9	39	.8	333.5	7544	-18.3	20	.5	332.9	7541	-18.7	15	.3	331.9	7494	400
425	-15.0	15	.4	331.3	7089	-15.1	43	1.2	333.8	7089	-15.1	20	.6	331.7	7086	-16.8	30	.7	330.2	7040	425
450	-12.2	13	.4	329.6	6654	-11.5	46	1.6	334.4	6654	-12.1	32	1.1	331.9	6651	-13.6	30	.9	329.3	6608	450
475	-10.0	22	.8	328.6	6239	-10.0	51	1.9	332.2	6239	-8.7	25	1.1	331.0	6235	-10.4	27	1.0	328.6	6195	475
500	-7.6	38	1.7	329.5	5842	-6.9	30	1.3	329.4	5841	-6.5	20	.9	328.5	5836	-7.5	25	1.1	327.7	5797	500
525	-5.2	41	2.0	329.1	5460	-4.0	13	.7	326.1	5458	-4.2	41	2.2	330.8	5453	-5.5	29	1.4	326.7	5416	525
550	-2.6	50	2.9	330.7	5093	-1.8	68	4.2	335.5	5089	-2.8	49	2.8	330.1	5085	-3.8	51	2.7	328.6	5050	550
575	-.0	59	3.9	332.7	4738	.5	57	4.0	333.6	4733	-1.4	71	4.3	332.2	4731	-2.2	75	4.2	331.0	4697	575
600	2.4	67	5.1	335.3	4395	2.1	63	4.6	333.4	4390	1.6	68	4.9	333.6	4390	-.3	75	4.7	330.6	4357	600
625	4.4	74	6.2	337.1	4063	4.0	69	5.6	334.8	4060	4.2	73	6.0	336.2	4059	1.7	78	5.4	331.4	4029	625
650	6.0	79	7.1	337.8	3742	5.8	63	5.6	333.2	3738	5.8	97	8.7	342.2	3738	3.7	84	6.5	333.1	3711	650
675	7.5	83	8.0	338.7	3432	7.1	70	6.5	333.8	3428	6.5	78	7.0	334.6	3428	5.7	80	6.8	332.9	3403	675
700	9.5	82	8.7	339.7	3130	8.4	76	7.5	334.6	3128	9.1	71	7.3	335.1	3127	7.6	67	6.3	330.2	3104	700
725	11.8	76	9.2	340.5	2837	10.7	68	7.6	334.5	2836	11.5	64	7.5	335.2	2835	9.6	64	6.6	330.2	2813	725
750	12.4	87	10.6	341.6	2552	13.1	60	7.6	334.0	2552	13.3	62	8.0	335.5	2550	11.6	68	7.8	332.8	2530	750
775	13.1	93	11.4	341.6	2276	15.1	55	7.7	333.4	2274	14.5	67	9.0	336.5	2272	13.6	57	7.2	330.2	2254	775
800	14.4	86	11.2	339.6	2007	15.8	61	8.6	334.0	2005	15.6	72	10.0	337.5	2003	14.6	63	8.2	331.3	1986	800
825	15.6	95	12.9	342.8	1746	16.5	67	9.6	334.6	1743	16.6	76	11.0	338.6	1741	15.5	69	9.3	332.5	1725	825
850	16.9	92	13.2	342.0	1491	17.8	66	10.1	334.6	1487	17.5	72	10.8	336.1	1485	16.5	63	8.7	329.2	1471	850
875	18.0	89	13.4	341.1	1242	19.5	62	10.2	334.1	1238	18.7	76	11.9	337.7	1237	17.6	67	9.8	330.7	1223	875
900	19.2	87	13.7	340.8	999	21.2	58	10.2	333.5	994	19.9	80	13.1	339.8	993	18.7	74	11.3	333.3	981	900
925	20.7	89	15.0	343.2	762	22.2	61	11.1	334.5	756	21.2	83	14.3	342.0	756	19.8	81	12.8	336.1	745	925
950	22.2	90	16.3	345.8	530	22.6	71	12.9	337.2	524	22.4	86	15.6	344.4	523	21.0	87	14.4	339.1	514	950
975	23.6	92	17.6	348.6	302	23.3	92	17.3	347.3	297	23.6	89	17.0	346.8	296	22.1	92	16.0	342.4	287	975
1000	25.0	93	19.0	351.5	79	25.0	88	17.8	348.3	74	24.7	92	18.4	349.4	73	23.8	92	17.3	345.4	66	1000
SFC.	25.5	94	19.5	352.6	0	25.5	87	18.0	348.0	0	25.1	93	18.8	350.3	0	24.4	91	17.7	346.3	0	SFC.
				SURFACE PRESSURE	1009.0				SURFACE PRESSURE	1008.4				SURFACE PRESSURE	1008.3				SURFACE PRESSURE	1007.5	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/ 3 18 0 GMT					3/ 3 2055 GMT					3/ 4 1 0 GMT					3/ 4 315 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-65.7	14	.0	463.9	19512	-67.9	0	0.0	458.9	19529	-66.8	15	.0	461.5	19573	0.0	0	0.0	0.0	0	60
70	-67.1	15	.0	440.9	18585	-66.4	14	.0	442.4	18606	-66.3	15	.0	442.6	18637	-66.4	17	.0	442.5	18588	70
80	-73.9	15	.0	410.3	17795	-74.0	15	.0	410.2	17812	-71.7	15	.0	415.0	17832	-75.0	17	.0	408.1	17793	80
90	-78.9	15	.0	386.7	17119	-78.0	15	.0	388.5	17135	-79.6	15	.0	385.3	17151	-80.8	17	.0	383.0	17123	90
100	-76.0	15	.0	380.9	16515	-76.0	14	.0	380.9	16530	-80.5	15	.0	372.2	16553	-81.2	17	.0	370.9	16530	100
110	-77.2	15	.0	368.4	15968	-77.4	14	.0	368.0	15985	-78.6	15	.0	365.9	16012	-78.4	17	.0	366.1	15990	110
120	-73.3	15	.0	366.5	15463	-74.9	14	.0	363.5	15483	-76.0	15	.0	361.6	15514	-75.5	17	.0	362.5	15491	120
130	-70.9	15	.0	362.6	14992	-72.6	14	.0	359.5	15016	-71.9	15	.0	360.7	15047	-72.2	17	.0	360.1	15024	130
140	-68.8	15	.0	358.6	14551	-69.5	14	.0	357.5	14577	-68.5	15	.0	359.2	14606	-69.2	17	.0	357.9	14584	140
150	-66.9	15	.0	354.8	14136	-66.6	13	.0	355.5	14163	-66.2	15	.0	356.1	14190	-66.4	17	.0	355.8	14169	150
160	-64.8	15	.0	351.9	13744	-63.9	13	.0	353.5	13770	-63.9	15	.0	353.5	13797	-63.5	17	.0	354.2	13776	160
170	-61.7	14	.0	351.1	13372	-61.2	13	.0	351.9	13396	-60.8	15	.0	352.6	13423	-60.5	17	.0	353.0	13401	170
180	-58.7	14	.0	350.3	13015	-58.2	13	.0	351.0	13039	-57.9	15	.0	351.6	13065	-57.8	16	.0	351.8	13043	180
190	-55.8	13	.0	349.5	12673	-55.4	13	.0	350.2	12696	-55.2	15	.0	350.6	12722	-55.2	16	.0	350.6	12700	190
200	-53.2	13	.0	348.7	12345	-52.8	13	.0	349.3	12367	-52.5	15	.0	349.7	12393	-52.7	16	.0	349.5	12370	200
225	-47.3	13	.0	346.2	11576	-46.7	12	.0	347.1	11596	-46.5	14	.0	347.4	11621	-47.0	15	.0	346.7	11600	225
250	-42.0	12	.0	343.9	10871	-41.2	12	.1	345.0	10889	-41.2	14	.1	345.1	10914	-41.4	15	.1	344.9	10894	250
275	-37.6	12	.1	341.1	10219	-37.3	12	.1	341.5	10235	-36.3	13	.1	343.0	10259	-36.3	14	.1	343.0	10240	275
300	-33.4	12	.1	338.7	9614	-33.0	12	.1	339.3	9629	-32.2	13	.1	340.4	9651	-32.8	14	.1	339.7	9631	300
325	-29.3	12	.1	336.9	9047	-28.7	12	.1	337.7	9061	-27.2	12	.2	339.8	9080	-27.5	14	.2	339.4	9062	325
350	-25.4	12	.2	335.1	8513	-24.7	13	.2	336.2	8526	-22.6	12	.2	339.2	8542	-22.5	14	.2	339.4	8524	350
375	-21.8	14	.3	333.7	8009	-21.0	13	.2	334.8	8020	-19.6	12	.3	336.7	8032	-20.2	14	.3	336.0	8014	375
400	-18.4	18	.4	332.6	7531	-17.5	13	.3	333.5	7540	-15.8	12	.3	335.8	7550	-16.1	13	.4	335.5	7532	400
425	-16.3	19	.5	329.9	7076	-14.0	11	.3	332.4	7083	-13.0	13	.4	333.9	7090	-13.6	15	.5	333.4	7074	425
450	-12.7	20	.6	329.6	6643	-12.6	14	.4	329.0	6648	-10.5	12	.5	331.8	6652	-10.6	16	.6	332.2	6637	450
475	-9.4	21	.8	329.4	6228	-9.4	14	.5	328.4	6233	-8.2	13	.5	329.9	6234	-7.7	16	.7	331.2	6218	475
500	-6.3	23	1.1	329.3	5829	-6.1	14	.7	328.0	5834	-6.2	13	.6	327.8	5835	-6.7	14	.6	327.2	5819	500
525	-3.6	27	1.5	329.3	5446	-3.6	20	1.1	328.2	5450	-3.5	15	.8	327.2	5451	-4.6	16	.8	325.8	5437	525
550	-2.0	32	1.9	328.3	5077	-2.2	39	2.3	329.2	5082	-1.1	22	1.4	327.7	5082	-1.9	23	1.4	326.6	5069	550
575	-1.1	50	3.1	328.8	4723	-.5	37	2.4	327.4	4727	1.3	25	1.9	327.9	4726	.1	44	2.9	329.9	4714	575
600	1.1	54	3.8	329.6	4381	1.6	37	2.6	326.7	4386	3.7	24	2.0	327.2	4382	2.6	40	3.1	329.2	4371	600
625	3.3	57	4.4	330.4	4051	4.0	32	2.6	325.7	4055	6.1	22	2.1	326.5	4049	4.8	40	3.4	329.3	4040	625
650	5.5	59	5.2	331.5	3732	6.3	35	3.3	326.7	3735	8.3	21	2.2	325.9	3727	7.0	44	4.2	330.4	3718	650
675	7.5	62	6.0	332.7	3421	8.5	39	4.0	328.0	3424	10.1	31	3.5	328.4	3414	9.0	47	5.0	331.8	3407	675
700	9.5	64	6.8	334.1	3120	10.6	44	5.0	329.9	3122	11.8	40	4.9	331.3	3111	10.8	57	6.6	335.0	3104	700
725	11.4	52	6.0	330.6	2828	12.5	48	6.1	332.1	2829	13.6	41	5.6	331.9	2816	12.8	52	6.6	334.1	2810	725
750	12.8	60	7.4	333.2	2543	14.0	42	5.6	329.3	2543	15.3	39	5.7	331.0	2530	14.7	47	6.6	333.1	2524	750
775	14.6	51	6.9	330.8	2267	15.0	40	5.5	326.9	2266	16.3	39	5.9	329.8	2251	15.8	48	7.1	332.6	2246	775
800	14.2	59	7.5	328.7	1998	15.9	44	6.2	327.0	1997	16.8	48	7.2	331.1	1981	16.4	54	7.9	332.5	1976	800
825	15.6	61	8.2	329.4	1737	16.7	48	6.9	327.1	1735	17.2	60	8.9	333.5	1718	16.8	72	10.6	337.6	1713	825
850	16.8	63	9.0	330.2	1483	16.9	60	8.6	329.3	1480	18.0	64	9.8	334.0	1462	18.1	61	9.5	333.1	1458	850
875	18.1	79	11.8	336.9	1235	17.5	69	10.0	331.1	1233	19.9	48	8.1	328.7	1213	19.1	56	8.9	330.0	1208	875
900	19.8	74	12.0	336.7	992	19.3	67	10.5	331.9	991	21.3	54	9.5	331.5	969	19.1	73	11.3	333.9	966	900
925	21.4	72	12.5	337.2	755	21.1	64	11.0	332.7	754	22.5	62	11.6	336.3	731	20.0	83	13.4	337.8	729	925
950	22.8	75	14.0	340.4	522	22.8	62	11.4	333.4	522	23.7	71	13.9	341.4	498	22.2	81	14.5	341.1	498	950
975	24.3	79	15.6	343.9	295	24.5	59	11.9	334.0	294	25.9	60	13.0	338.9	270	24.5	73	14.7	341.8	270	975
1000	25.7	82	17.2	347.6	71	27.7	66	15.7	346.0	71	27.7	71	16.8	349.0	45	26.7	64	14.4	341.1	47	1000
SFC.	26.1	83	17.8	348.9	0	29.7	73	19.4	358.1	0	27.9	80	19.2	355.4	0	27.2	62	14.2	340.6	0	SFC.
				SURFACE PRESSURE	1008.1				SURFACE PRESSURE	1008.0				SURFACE PRESSURE	1005.1				SURFACE PRESSURE	1005.3	



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

THERMODYNAMIC DATA						FANNING ISLAND																
P	T	3/4	60	GMT	H	T	3/4	840	GMT	H	T	3/4	1145	GMT	H	T	3/4	185	GMT	H	P	
		RH	W	EPT			RH	W	EPT			RH	W	EPT			RH	W	EPT			
60	0.0	0	0.0	0.0	0	-66.8	13	.0	461.5	19491	-68.4	15	.0	457.8	19447	-65.2	0	0.0	465.0	19526	60	
70	0.0	0	0.0	0.0	0	-70.0	12	.0	434.6	18564	-70.1	15	.0	434.5	18528	-69.8	19	.0	435.2	18593	70	
80	0.0	0	0.0	0.0	0	-70.8	13	.0	416.7	17769	-74.6	15	.0	408.9	17739	-77.4	19	.0	403.1	17813	80	
90	0.0	0	0.0	0.0	0	-80.2	14	.0	384.1	17090	-80.4	15	.0	383.8	17061	-80.9	19	.0	382.8	17146	90	
100	0.0	0	0.0	0.0	0	-81.4	13	.0	370.5	16497	-82.5	15	.0	368.4	16470	-82.0	19	.0	369.3	16555	100	
110	0.0	0	0.0	0.0	0	-78.9	13	.0	365.3	15958	-80.3	15	.0	362.6	15935	-78.6	19	.0	365.7	16016	110	
120	0.0	0	0.0	0.0	0	-76.6	12	.0	360.5	15460	-78.3	14	.0	357.4	15441	-75.6	19	.0	362.4	15517	120	
130	0.0	0	0.0	0.0	0	-73.8	12	.0	357.4	14996	-75.0	14	.0	355.1	14980	-72.7	19	.0	359.3	15050	130	
140	0.0	0	0.0	0.0	0	-70.5	12	.0	355.6	14560	-71.7	14	.0	353.5	14547	-70.1	19	.0	356.3	14612	140	
150	0.0	0	0.0	0.0	0	-67.5	12	.0	353.8	14148	-68.6	14	.0	352.0	14136	-67.0	19	.0	354.8	14199	150	
160	0.0	0	0.0	0.0	0	-64.7	12	.0	352.2	13756	-65.6	14	.0	350.5	13747	-63.9	18	.0	353.5	13807	160	
170	0.0	0	0.0	0.0	0	-62.0	12	.0	350.5	13384	-62.9	14	.0	349.0	13376	-61.0	18	.0	352.2	13433	170	
180	0.0	0	0.0	0.0	0	-59.5	12	.0	349.0	13028	-60.2	14	.0	347.9	13022	-58.1	18	.0	351.2	13075	180	
190	0.0	0	0.0	0.0	0	-56.8	12	.0	348.0	12688	-57.4	13	.0	347.0	12683	-55.3	18	.0	350.4	12732	190	
200	0.0	0	0.0	0.0	0	-54.2	11	.0	347.0	12361	-54.8	13	.0	346.1	12357	-52.6	17	.0	349.6	12403	200	
225	0.0	0	0.0	0.0	0	-48.3	11	.0	344.6	11595	-48.7	12	.0	344.0	11593	-46.4	17	.0	347.6	11631	225	
250	0.0	0	0.0	0.0	0	-42.7	10	.0	342.7	10893	-42.9	11	.0	342.5	10891	-41.3	16	.1	345.0	10923	250	
275	0.0	0	0.0	0.0	0	-36.7	10	.1	342.3	10242	-37.6	11	.1	340.9	10241	-36.5	16	.1	342.8	10271	275	
300	-33.1	15	.1	339.2	9607	-31.2	10	.1	341.8	9632	-32.9	10	.1	339.4	9635	-31.1	15	.1	342.2	9661	300	
325	-28.2	15	.2	338.5	9039	-27.9	10	.1	338.7	9061	-28.3	10	.1	338.2	9067	-26.1	15	.2	341.6	9087	325	
350	-23.7	14	.2	337.7	8502	-23.2	10	.2	338.2	8524	-23.3	10	.2	338.1	8530	-21.4	14	.3	341.0	8546	350	
375	-19.8	14	.3	336.6	7994	-18.8	10	.2	337.7	8014	-18.9	10	.2	337.6	8020	-18.2	15	.4	339.0	8034	375	
400	-17.9	14	.3	333.0	7513	-16.8	10	.3	334.2	7531	-16.5	11	.3	334.7	7537	-15.6	17	.5	336.6	7549	400	
425	-15.0	15	.4	331.3	7057	-15.6	10	.3	329.9	7075	-14.9	10	.3	331.0	7080	-13.1	35	1.2	336.4	7090	425	
450	-12.3	16	.5	329.7	6623	-11.9	10	.3	329.5	6641	-13.1	13	.4	328.3	6647	-11.8	19	.7	330.8	6653	450	
475	-9.8	16	.6	328.2	6208	-8.3	10	.4	329.3	6225	-9.3	14	.6	328.5	6232	-9.1	17	.7	329.2	6237	475	
500	-7.5	17	.7	326.6	5810	-5.4	10	.5	328.4	5824	-5.6	11	.5	328.3	5833	-6.3	22	1.0	329.1	5838	500	
525	-5.6	16	.8	324.5	5429	-3.5	10	.6	326.3	5440	-3.9	14	.8	326.6	5449	-3.6	26	1.5	329.2	5454	525	
550	-3.3	23	1.3	324.6	5063	-1.8	10	.6	324.1	5071	-2.8	20	1.1	324.7	5081	-1.9	53	3.2	332.6	5085	550	
575	-1.0	32	2.0	325.6	4709	-.6	28	1.8	325.4	4717	-1.0	52	3.2	329.5	4728	-.8	82	5.1	335.4	4731	575	
600	1.3	41	2.9	327.0	4368	1.7	26	1.9	324.5	4376	1.2	69	4.8	333.0	4386	1.4	88	6.2	337.2	4389	600	
625	3.4	51	4.0	329.1	4038	4.1	31	2.5	325.6	4045	3.5	70	5.5	333.9	4056	3.6	80	6.3	336.4	4058	625	
650	5.5	59	5.2	331.6	3718	5.6	76	6.7	336.1	3725	5.7	71	6.2	334.9	3736	5.5	74	6.5	335.6	3738	650	
675	7.1	66	6.2	333.0	3408	7.4	77	7.4	336.7	3415	7.5	66	6.4	334.0	3426	7.9	66	6.5	334.8	3427	675	
700	8.7	73	7.4	334.7	3108	9.3	79	8.3	338.2	3113	9.4	62	6.5	333.1	3124	9.8	64	6.9	334.9	3125	700	
725	10.7	65	7.3	333.5	2816	9.3	62	6.3	329.0	2822	11.1	72	8.3	337.1	2832	11.1	71	8.1	336.3	2833	725	
750	12.6	58	7.1	332.0	2532	10.3	86	9.1	334.9	2540	12.5	60	7.3	332.3	2547	12.9	59	7.4	333.1	2548	750	
775	13.4	62	7.8	331.6	2256	12.5	94	11.2	340.2	2265	13.8	69	8.8	335.2	2271	14.6	47	6.3	328.9	2272	775	
800	14.4	78	10.1	336.4	1988	14.6	99	13.0	344.8	1996	15.2	85	11.7	341.8	2002	15.9	48	6.8	328.9	2002	800	
825	15.0	75	9.8	333.2	1727	15.6	98	13.4	343.9	1734	16.1	89	12.6	342.5	1740	16.7	69	10.1	336.4	1740	825	
850	15.9	86	11.5	336.2	1473	16.6	97	13.7	343.0	1479	17.0	89	12.8	341.0	1485	17.2	84	12.2	339.8	1485	850	
875	17.2	92	13.1	339.3	1225	17.5	96	14.0	342.1	1231	18.1	98	14.8	345.2	1236	18.4	81	12.4	338.9	1236	875	
900	19.1	93	14.6	342.8	983	18.6	95	14.4	341.6	989	19.6	98	15.8	346.8	993	19.6	78	12.6	337.9	993	900	
925	21.0	94	16.1	346.6	745	20.6	97	16.3	346.6	752	21.0	98	16.8	348.5	755	20.8	85	14.3	341.5	756	925	
950	22.8	95	17.7	350.6	513	22.6	98	18.1	351.2	519	22.6	96	17.7	350.4	522	22.4	92	16.7	347.4	524	950	
975	24.5	96	19.4	354.8	284	24.4	93	18.6	352.3	291	24.5	92	18.6	352.5	294	24.6	82	16.7	347.2	296	975	
1000	26.2	97	21.2	359.3	60	26.2	88	19.0	353.2	67	25.4	93	19.2	352.7	70	25.9	81	17.2	347.9	72	1000	
SFC.	26.7	97	21.7	360.5	0	26.7	86	19.2	353.5	0	25.0	96	19.3	351.6	0	25.7	86	18.0	349.0	0	SFC.	
				SURFACE PRESSURE	1006.8				SURFACE PRESSURE	1007.6				SURFACE PRESSURE	1008.0				SURFACE PRESSURE	1008.2		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/ 4 2345 GMT					3/ 5 815 GMT					3/ 5 1215 GMT					3/ 5 1855 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-62.6	15	.0	470.8	19590	0.0	0	0.0	0.0	0	-66.4	0	0.0	462.2	19517	0.0	0	0.0	0.0	0	60	
70	-67.6	15	.0	439.8	18646	0.0	0	0.0	0.0	0	-69.1	10	.0	436.7	18594	0.0	0	0.0	0.0	0	70	
80	-74.5	15	.0	409.0	17853	0.0	0	0.0	0.0	0	-74.9	10	.0	408.2	17803	0.0	0	0.0	0.0	0	80	
90	-81.5	15	.0	381.6	17181	0.0	0	0.0	0.0	0	-75.7	10	.0	393.1	17119	0.0	0	0.0	0.0	0	90	
100	-82.0	15	.0	369.3	16591	0.0	0	0.0	0.0	0	-81.8	10	.0	369.7	16522	0.0	0	0.0	0.0	0	100	
110	-78.8	15	.0	365.4	16053	0.0	0	0.0	0.0	0	-80.2	10	.0	362.8	15986	0.0	0	0.0	0.0	0	110	
120	-75.9	15	.0	361.8	15554	0.0	0	0.0	0.0	0	-77.9	10	.0	358.0	15492	0.0	0	0.0	0.0	0	120	
130	-72.6	15	.0	359.6	15088	0.0	0	0.0	0.0	0	-74.2	10	.0	356.6	15030	0.0	0	0.0	0.0	0	130	
140	-69.2	15	.0	357.9	14649	0.0	0	0.0	0.0	0	-70.8	10	.0	355.1	14594	0.0	0	0.0	0.0	0	140	
150	-65.8	15	.0	356.7	14234	0.0	0	0.0	0.0	0	-67.6	10	.0	353.7	14182	0.0	0	0.0	0.0	0	150	
160	-62.7	14	.0	355.5	13839	0.0	0	0.0	0.0	0	-64.2	10	.0	352.9	13791	0.0	0	0.0	0.0	0	160	
170	-59.7	14	.0	354.3	13463	0.0	0	0.0	0.0	0	-61.0	10	.0	352.2	13417	0.0	0	0.0	0.0	0	170	
180	-57.5	14	.0	352.2	13103	0.0	0	0.0	0.0	0	-58.0	10	.0	351.4	13059	0.0	0	0.0	0.0	0	180	
190	-54.9	14	.0	351.0	12760	0.0	0	0.0	0.0	0	-55.1	10	.0	350.6	12716	0.0	0	0.0	0.0	0	190	
200	-52.5	13	.0	349.8	12430	-53.3	11	.0	348.4	12392	-52.4	10	.0	349.8	12387	0.0	0	0.0	0.0	0	200	
225	-46.8	13	.0	346.9	11659	-47.4	10	.0	346.0	11624	-47.1	10	.0	346.5	11615	0.0	0	0.0	0.0	0	225	
250	-40.7	12	.1	345.8	10952	-41.7	10	.0	344.3	10919	-41.7	10	.0	344.2	10910	0.0	0	0.0	0.0	0	250	
275	-35.0	12	.1	344.8	10295	-36.5	10	.1	342.7	10265	-36.6	10	.1	342.5	10257	0.0	0	0.0	0.0	0	275	
300	-29.9	11	.1	343.8	9682	-31.7	10	.1	341.2	9656	-31.5	10	.1	341.4	9647	0.0	0	0.0	0.0	0	300	
325	-25.1	11	.2	342.8	9106	-28.2	13	.2	338.5	9086	-26.7	10	.1	340.5	9075	0.0	0	0.0	0.0	0	325	
350	-20.7	10	.2	341.7	8563	-24.0	15	.2	337.3	8549	-24.0	10	.2	337.0	8537	0.0	0	0.0	0.0	0	350	
375	-18.2	31	.8	340.4	8049	-19.9	13	.3	336.4	8042	-19.6	10	.2	336.6	8029	0.0	0	0.0	0.0	0	375	
400	-15.4	10	.3	336.1	7565	-15.4	10	.3	336.1	7559	-15.4	10	.3	336.1	7546	0.0	0	0.0	0.0	0	400	
425	-12.1	10	.4	334.8	7104	-12.3	10	.3	334.5	7098	-12.2	10	.4	334.7	7085	-12.8	12	.4	334.2	7072	425	
450	-8.6	15	.6	334.9	6664	-9.5	10	.4	332.9	6659	-9.2	10	.4	333.3	6646	-11.5	22	.8	331.6	6635	450	
475	-5.1	20	1.1	335.7	6242	-7.8	26	1.2	332.5	6240	-8.3	14	.6	330.0	6226	-10.3	30	1.1	329.1	6219	475	
500	-5.5	11	.6	328.4	5840	-7.5	41	1.8	330.1	5841	-7.1	43	1.9	331.1	5828	-6.9	16	.7	327.3	5822	500	
525	-3.7	29	1.6	329.7	5456	-4.6	30	1.5	328.3	5459	-4.6	25	1.3	327.4	5445	-5.8	25	1.2	325.6	5441	525	
550	-1.8	51	3.1	332.3	5087	-2.0	39	2.3	329.6	5091	-2.3	20	1.2	325.5	5078	-2.9	21	1.2	324.8	5074	550	
575	.7	37	2.6	329.4	4731	.4	36	2.4	328.7	4735	-.1	41	2.7	328.9	4723	-.8	36	2.3	326.6	4721	575	
600	3.1	21	1.6	325.4	4388	2.4	53	4.0	331.9	4392	2.0	53	3.9	331.1	4381	1.5	39	2.7	326.8	4379	600	
625	5.1	26	2.3	326.1	4056	4.6	64	5.4	334.9	4061	3.8	60	4.8	332.0	4050	2.8	42	3.1	325.8	4049	625	
650	7.1	32	3.1	327.1	3735	6.6	62	5.8	334.7	3740	6.1	62	5.6	333.7	3730	4.9	46	3.8	326.9	3730	650	
675	9.0	37	4.0	328.4	3423	8.5	60	6.2	334.5	3428	8.4	64	6.6	335.6	3419	7.1	43	4.0	326.3	3421	675	
700	10.8	42	4.9	330.0	3121	10.4	49	5.6	331.6	3126	10.7	45	5.2	330.8	3116	9.1	35	3.6	324.0	3121	700	
725	12.5	47	5.9	331.8	2827	12.3	31	3.9	325.3	2833	12.9	27	3.4	324.6	2823	11.0	27	3.0	321.3	2829	725	
750	15.1	29	4.1	326.2	2541	14.0	17	2.3	319.4	2548	14.8	17	2.4	320.4	2537	12.8	19	2.4	318.3	2546	750	
775	16.3	29	4.4	325.2	2263	15.0	28	3.8	322.1	2271	15.5	42	6.0	329.2	2260	13.2	47	5.7	325.6	2270	775	
800	17.4	40	6.2	328.9	1993	16.0	38	5.4	324.9	2002	15.8	76	10.8	340.2	1990	14.6	43	5.5	323.7	2002	800	
825	18.9	35	5.9	326.7	1729	16.9	48	7.0	327.7	1740	17.1	91	13.7	346.9	1727	15.3	64	8.5	330.0	1742	825	
850	20.0	42	7.2	328.9	1472	18.1	69	10.6	336.3	1485	18.3	90	14.2	346.8	1471	16.8	69	9.8	332.5	1487	850	
875	21.0	49	8.7	331.6	1222	19.3	84	13.7	343.5	1235	19.3	95	15.5	348.5	1221	18.5	69	10.6	334.1	1239	875	
900	22.0	55	10.2	334.4	977	20.3	90	15.2	346.1	992	20.5	95	16.2	349.2	977	20.1	70	11.6	335.9	996	900	
925	22.6	71	13.3	341.1	739	21.9	91	16.5	348.9	753	21.7	95	16.9	349.8	738	21.2	74	12.7	337.5	759	925	
950	23.6	82	15.9	346.8	505	23.8	89	17.6	351.7	520	22.8	94	17.7	350.5	505	21.7	81	14.1	339.2	527	950	
975	25.8	68	14.8	343.8	277	25.7	87	18.8	354.5	291	24.0	94	18.4	351.2	277	24.0	82	16.0	344.9	300	975	
1000	28.9	70	17.9	353.6	52	27.5	85	19.9	357.4	66	25.0	94	19.1	352.0	54	26.3	83	18.1	351.0	76	1000	
SFC.	29.6	71	18.8	356.5	0	28.0	84	20.2	358.2	0	25.3	94	19.3	352.2	0	27.1	83	18.9	353.2	0	SFC.	
				SURFACE PRESSURE	1005.8				SURFACE PRESSURE	1007.4				SURFACE PRESSURE	1006.1				SURFACE PRESSURE	1008.6		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/ 5 2345 GMT						3/ 6 610 GMT					3/ 6 1135 GMT					3/ 6 1825 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-68.1	14	.0	458.5	19509	0.0	0	0.0	0.0	0	-66.0	33	.0	463.5	19473	0.0	0	0.0	0.0	0	60
70	-69.8	14	.0	435.0	18588	0.0	0	0.0	0.0	0	-67.1	34	.0	441.0	18539	0.0	0	0.0	0.0	0	70
80	-72.3	15	.0	413.7	17794	0.0	0	0.0	0.0	0	-72.8	34	.0	412.7	17744	0.0	0	0.0	0.0	0	80
90	-78.4	14	.0	387.8	17117	0.0	0	0.0	0.0	0	-79.4	34	.0	385.7	17068	0.0	0	0.0	0.0	0	90
100	-80.2	13	.0	372.8	16519	0.0	0	0.0	0.0	0	-82.6	34	.0	368.2	16476	0.0	0	0.0	0.0	0	100
110	-78.4	14	.0	366.1	15978	0.0	0	0.0	0.0	0	-79.8	34	.0	363.5	15940	0.0	0	0.0	0.0	0	110
120	-76.8	15	.0	360.1	15480	0.0	0	0.0	0.0	0	-77.2	34	.0	359.3	15444	0.0	0	0.0	0.0	0	120
130	-73.7	15	.0	357.6	15016	0.0	0	0.0	0.0	0	-74.9	34	.0	355.4	14982	0.0	0	0.0	0.0	0	130
140	-70.4	15	.0	355.8	14579	0.0	0	0.0	0.0	0	-71.8	34	.0	353.3	14549	0.0	0	0.0	0.0	0	140
150	-67.2	15	.0	354.3	14167	0.0	0	0.0	0.0	0	-68.6	33	.0	352.0	14138	0.0	0	0.0	0.0	0	150
160	-64.1	15	.0	353.1	13775	0.0	0	0.0	0.0	0	-65.6	33	.0	350.7	13749	0.0	0	0.0	0.0	0	160
170	-61.1	15	.0	352.0	13401	0.0	0	0.0	0.0	0	-62.7	32	.0	349.3	13378	0.0	0	0.0	0.0	0	170
180	-58.3	15	.0	350.9	13043	0.0	0	0.0	0.0	0	-59.8	33	.0	348.5	13023	0.0	0	0.0	0.0	0	180
190	-55.7	14	.0	349.7	12701	0.0	0	0.0	0.0	0	-56.9	34	.0	347.8	12683	0.0	0	0.0	0.0	0	190
200	-53.2	14	.0	348.6	12373	-54.7	14	.0	346.3	12355	-54.2	35	.0	347.1	12356	-53.7	16	.0	347.8	12370	200
225	-47.3	14	.0	346.2	11604	-48.2	15	.0	344.8	11590	-48.1	38	.1	345.1	11591	-48.3	16	.0	344.7	11603	225
250	-41.2	13	.1	345.1	10898	-43.0	17	.1	342.4	10887	-43.4	43	.1	342.1	10890	-42.4	16	.1	343.3	10901	250
275	-35.6	12	.1	344.0	10243	-37.4	16	.1	341.5	10237	-38.1	47	.2	341.1	10241	-37.0	17	.1	342.0	10249	275
300	-30.6	12	.1	342.8	9631	-32.2	13	.1	340.5	9630	-32.7	39	.3	340.5	9635	-32.5	18	.1	340.1	9641	300
325	-25.9	11	.2	341.6	9057	-27.4	11	.1	339.5	9059	-27.6	22	.3	339.7	9066	-28.0	19	.2	339.0	9073	325
350	-22.3	11	.2	339.5	8516	-23.3	10	.2	338.0	8522	-23.4	18	.3	338.4	8528	-22.7	17	.3	339.4	8535	350
375	-19.1	11	.2	337.3	8006	-19.6	10	.2	336.5	8013	-19.6	16	.3	337.0	8019	-18.3	16	.4	338.8	8024	375
400	-16.1	11	.3	335.3	7523	-16.2	10	.3	335.0	7531	-16.0	14	.4	335.7	7537	-15.0	13	.4	337.0	7540	400
425	-12.2	11	.4	334.8	7063	-13.0	10	.3	333.6	7071	-13.5	16	.5	333.5	7078	-11.9	13	.5	335.6	7078	425
450	-10.7	15	.5	331.8	6625	-10.2	10	.4	331.9	6633	-11.2	18	.7	331.6	6641	-10.5	15	.6	332.1	6640	450
475	-8.7	15	.6	329.4	6208	-8.2	10	.4	329.4	6215	-8.7	18	.7	329.9	6225	-9.8	17	.6	328.2	6223	475
500	-6.4	12	.6	327.4	5809	-6.6	13	.6	327.2	5816	-6.3	16	.8	328.2	5825	-7.1	16	.7	326.9	5825	500
525	-4.7	33	1.7	328.7	5426	-4.3	12	.7	325.6	5434	-3.9	15	.8	326.6	5442	-4.1	15	.8	326.5	5443	525
550	-2.4	30	1.7	327.2	5059	-2.1	21	1.2	325.9	5065	-1.7	13	.8	325.0	5074	-1.2	15	1.0	326.0	5074	550
575	-.2	26	1.7	325.6	4704	-.5	31	2.0	326.3	4711	-.5	27	1.7	325.4	4719	-.4	18	1.2	323.5	4720	575
600	1.8	23	1.7	323.9	4363	1.5	26	1.8	324.1	4370	1.9	34	2.5	326.5	4378	1.8	25	1.8	324.3	4378	600
625	3.2	37	2.8	325.5	4032	3.0	39	3.0	325.6	4040	4.7	37	3.2	328.1	4047	3.9	32	2.6	325.4	4048	625
650	5.2	42	3.6	326.3	3713	5.0	50	4.2	327.9	3721	6.5	40	3.8	328.6	3725	5.4	37	3.2	325.5	3728	650
675	7.5	37	3.6	325.5	3404	7.3	39	3.7	325.8	3412	7.7	45	4.4	328.1	3415	7.0	42	3.9	325.9	3419	675
700	9.8	32	3.5	324.6	3103	9.6	29	3.1	323.1	3111	10.1	48	5.4	330.6	3114	8.3	52	5.1	327.6	3118	700
725	12.0	28	3.4	323.4	2811	11.8	19	2.3	319.9	2819	12.5	40	5.0	328.9	2821	8.9	65	6.4	328.9	2828	725
750	13.5	23	2.9	320.7	2526	13.7	17	2.2	318.6	2535	14.9	29	4.0	325.6	2535	10.9	81	8.8	334.7	2546	750
775	14.1	32	4.1	321.9	2250	15.2	23	3.2	320.3	2258	15.8	30	4.4	324.7	2257	12.9	91	11.0	340.3	2270	775
800	12.2	51	5.6	321.2	1982	16.7	28	4.2	322.2	1989	16.4	37	5.4	325.5	1988	13.7	94	11.8	340.2	2002	800
825	15.5	73	9.8	334.0	1723	17.6	43	6.6	327.4	1726	17.3	48	7.2	328.6	1725	14.6	98	12.5	340.1	1741	825
850	17.1	71	10.3	334.4	1469	17.6	74	11.0	337.0	1471	17.7	70	10.5	335.5	1470	15.5	94	12.3	337.9	1487	850
875	18.7	69	10.8	334.8	1220	17.9	95	14.2	343.1	1222	18.2	55	8.4	327.4	1221	16.5	87	11.8	334.7	1240	875
900	20.2	68	11.3	335.2	977	19.0	97	15.1	344.1	979	19.7	57	9.2	328.7	979	18.4	85	12.6	336.7	999	900
925	21.7	66	11.7	335.5	739	20.3	95	15.6	344.5	742	20.9	78	13.2	338.5	742	20.3	83	13.5	338.7	762	925
950	23.1	65	12.2	335.8	507	22.0	88	15.6	343.8	510	22.2	88	15.8	344.7	510	22.1	81	14.4	340.7	530	950
975	24.5	63	12.6	336.1	279	23.6	82	15.5	343.0	283	23.7	84	16.0	344.4	282	23.9	79	15.3	342.7	303	975
1000	27.8	68	16.3	347.8	56	26.0	88	18.9	352.5	60	25.8	90	19.3	353.5	59	25.5	86	17.9	349.3	80	1000
SFC.	29.4	73	19.1	357.0	0	27.0	94	21.4	360.1	0	26.5	94	20.8	357.7	0	26.0	96	20.5	356.1	0	SFC.
	SURFACE PRESSURE 1006.3					SURFACE PRESSURE 1006.8					SURFACE PRESSURE 1006.7					SURFACE PRESSURE 1009.1					

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/ 7 019 GMT					3/ 7 3 0 GMT					3/ 7 850 GMT					3/ 7 12 0 GMT								
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	T	RH	W	EPT	H	P	
60	-63.3	10	.0	469.2	19485	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	60	
70	-68.0	10	.0	439.0	18547	0.0	0	0.0	0.0	0	-71.0	27	.0	432.5	18488	0.0	0	0.0	0.0	0	0	70	
80	-74.0	10	.0	410.1	17759	0.0	0	0.0	0.0	0	-76.1	26	.0	405.7	17710	0.0	0	0.0	0.0	0	0	80	
90	-78.7	10	.0	387.1	17079	0.0	0	0.0	0.0	0	-76.9	25	.0	390.7	17029	-79.4	33	.0	385.8	17021	0	90	
100	-83.1	10	.0	367.2	16489	0.0	0	0.0	0.0	0	-81.6	26	.0	370.1	16431	-82.5	32	.0	368.4	16424	0	100	
110	-79.9	10	.0	363.3	15954	0.0	0	0.0	0.0	0	-80.4	26	.0	362.5	15895	-80.4	31	.0	362.4	15889	0	110	
120	-77.0	10	.0	359.7	15458	0.0	0	0.0	0.0	0	-77.5	26	.0	358.9	15400	-77.8	30	.0	358.2	15395	0	120	
130	-74.3	10	.0	356.4	14995	0.0	0	0.0	0.0	0	-74.8	25	.0	355.6	14938	-74.9	28	.0	355.4	14934	0	130	
140	-71.8	10	.0	353.3	14561	0.0	0	0.0	0.0	0	-72.3	25	.0	352.5	14505	-72.2	26	.0	352.7	14500	0	140	
150	-68.6	10	.0	352.0	14151	0.0	0	0.0	0.0	0	-70.0	25	.0	349.5	14097	-69.6	24	.0	350.2	14092	0	150	
160	-65.4	10	.0	350.9	13761	0.0	0	0.0	0.0	0	-66.8	25	.0	348.6	13710	-67.2	22	.0	347.8	13705	0	160	
170	-62.5	10	.0	349.8	13390	0.0	0	0.0	0.0	0	-63.8	25	.0	347.7	13341	-64.1	24	.0	347.1	13336	0	170	
180	-59.7	10	.0	348.7	13035	0.0	0	0.0	0.0	0	-60.9	25	.0	346.7	12988	-61.0	25	.0	346.5	12984	0	180	
190	-57.0	10	.0	347.6	12695	0.0	0	0.0	0.0	0	-58.0	25	.0	346.0	12650	-58.1	27	.0	345.9	12646	0	190	
200	-54.3	10	.0	346.9	12368	0.0	0	0.0	0.0	0	-55.3	24	.0	345.4	12324	-55.4	29	.0	345.2	12321	0	200	
225	-47.5	10	.0	345.8	11601	0.0	0	0.0	0.0	0	-49.0	24	.0	343.7	11562	-49.0	32	.1	343.6	11559	0	225	
250	-41.6	10	.0	344.4	10896	0.0	0	0.0	0.0	0	-43.3	23	.1	342.0	10862	-43.0	29	.1	342.5	10858	0	250	
275	-36.3	10	.1	342.9	10242	0.0	0	0.0	0.0	0	-37.9	20	.1	340.7	10213	-37.6	27	.1	341.4	10208	0	275	
300	-31.5	10	.1	341.4	9633	-31.6	16	.1	341.5	9621	-33.1	17	.1	339.4	9607	-32.6	25	.2	340.2	9601	0	300	
325	-27.6	10	.1	339.2	9061	-27.9	56	.7	340.8	9050	-28.5	22	.2	338.4	9039	-28.1	23	.3	339.1	9032	0	325	
350	-23.0	10	.2	338.4	8523	-24.9	30	.4	336.9	8515	-25.5	20	.3	335.5	8504	-24.5	28	.4	337.4	8496	0	350	
375	-18.8	10	.2	337.7	8014	-20.3	23	.5	336.5	8009	-21.2	18	.3	334.9	7999	-20.8	18	.3	335.4	7990	0	375	
400	-15.6	10	.3	335.8	7530	-16.0	16	.4	335.9	7527	-17.2	17	.4	334.3	7519	-17.2	26	.6	335.1	7509	0	400	
425	-13.0	10	.3	333.6	7070	-12.6	13	.4	334.5	7067	-14.1	14	.4	332.5	7062	-13.3	18	.6	334.1	7051	0	425	
450	-10.9	10	.4	330.9	6633	-10.5	15	.6	332.2	6629	-11.4	14	.5	330.8	6626	-11.0	19	.7	332.0	6614	0	450	
475	-9.0	10	.4	328.4	6216	-8.4	17	.7	330.1	6211	-8.9	15	.6	329.2	6209	-8.9	21	.9	330.1	6198	0	475	
500	-7.1	10	.4	326.1	5818	-6.0	27	1.3	330.5	5812	-6.6	16	.7	327.7	5810	-6.8	24	1.1	328.6	5799	0	500	
525	-4.0	10	.5	325.7	5435	-3.4	16	.9	327.7	5428	-4.3	18	.9	326.6	5428	-4.3	26	1.4	328.1	5416	0	525	
550	-.7	10	.7	325.7	5066	-1.2	18	1.1	326.6	5059	-2.3	15	.9	324.4	5060	-1.7	17	1.0	325.7	5048	0	550	
575	1.2	10	.7	324.0	4710	.8	19	1.4	325.7	4703	-.5	18	1.1	323.3	4706	.6	18	1.2	325.0	4693	0	575	
600	2.6	10	.8	321.9	4367	2.8	21	1.6	324.9	4360	1.2	20	1.4	322.4	4365	1.9	25	1.8	324.5	4350	0	600	
625	4.5	10	.8	320.6	4036	4.7	22	1.9	324.2	4028	2.9	23	1.7	321.5	4035	4.0	24	2.0	323.7	4020	0	625	
650	6.3	10	.9	319.3	3716	5.8	24	2.2	322.7	3708	4.5	25	2.0	320.8	3717	5.3	34	2.9	324.5	3701	0	650	
675	8.0	10	1.0	318.0	3406	6.9	34	3.1	323.3	3399	6.2	29	2.5	320.8	3409	6.5	31	2.8	322.0	3392	0	675	
700	10.2	10	1.1	317.7	3105	8.7	47	4.7	327.0	3099	8.4	33	3.3	322.4	3110	8.0	41	4.0	323.9	3092	0	700	
725	12.4	10	1.2	317.3	2813	11.2	41	4.8	326.7	2807	10.6	38	4.2	324.2	2819	9.9	45	4.8	325.3	2802	0	725	
750	14.3	38	5.1	328.2	2528	13.8	33	4.3	325.1	2523	12.7	31	3.8	322.3	2535	11.9	41	4.8	324.6	2519	0	750	
775	15.1	38	5.3	326.5	2250	16.0	27	3.9	323.4	2245	14.7	24	3.2	320.0	2259	13.7	39	5.0	324.0	2243	0	775	
800	13.2	62	7.4	327.4	1983	15.9	60	8.5	333.7	1976	16.1	28	4.0	320.8	1990	14.9	49	6.5	326.7	1975	0	800	
825	15.2	63	8.3	329.3	1723	14.4	98	12.3	339.5	1714	14.2	93	11.6	337.4	1729	14.9	69	8.9	330.6	1714	0	825	
850	16.2	67	9.2	330.0	1469	16.6	94	13.2	341.6	1460	15.2	95	12.3	337.5	1475	15.6	82	10.8	333.8	1461	0	850	
875	17.8	68	10.0	331.6	1221	17.8	95	14.1	342.8	1211	16.4	93	12.6	336.9	1228	17.1	83	11.7	335.3	1213	0	875	
900	20.0	65	10.7	333.2	979	18.9	97	15.0	343.7	969	18.0	86	12.6	336.0	987	18.7	81	12.3	336.1	971	0	900	
925	22.1	62	11.3	334.8	741	20.1	97	15.8	344.7	732	19.8	84	13.3	337.5	751	20.3	79	12.9	337.1	735	0	925	
950	22.5	61	11.1	332.0	509	21.6	97	16.9	346.7	500	21.6	84	14.5	340.3	519	21.5	91	15.7	343.3	503	0	950	
975	24.6	56	11.3	332.7	282	23.9	95	18.5	351.5	272	23.3	84	15.7	343.1	292	23.5	92	17.6	348.3	276	0	975	
1000	28.0	72	17.4	351.1	58	26.2	93	20.2	356.5	49	25.5	87	18.2	350.1	70	25.5	93	19.5	353.5	53	0	1000	
SFC.	29.0	78	19.9	358.8	0	26.7	92	20.6	357.6	0	26.6	92	20.4	356.7	0	26.0	93	19.9	354.8	0	0	SFC.	
				SURFACE PRESSURE	1006.5				SURFACE PRESSURE	1005.5				SURFACE PRESSURE	1007.9				SURFACE PRESSURE	1006.0			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/ 7 1430 GMT					3/ 7 2110 GMT					3/ 8 0 5 GMT					3/ 8 558 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-68.0	0	0.0	458.7	19510	-65.6	0	0.0	464.1	19449	-67.8	0	0.0	459.3	19567	0.0	0	0.0	0.0	0	60	
70	-69.7	29	.0	435.4	18588	-69.5	0	0.0	435.8	18478	-70.9	0	0.0	432.7	18647	0.0	0	0.0	0.0	0	70	
80	-74.6	30	.0	408.9	17798	-75.0	25	.0	408.0	17696	-73.4	14	.0	411.5	17855	-73.1	21	.0	412.0	17766	80	
90	-76.0	30	.0	392.6	17114	-79.3	25	.0	386.1	17016	-78.4	14	.0	387.8	17179	-80.6	21	.0	383.4	17089	90	
100	-79.3	30	.0	374.6	16511	-83.3	25	.0	366.8	16428	-79.1	15	.0	374.9	16579	-79.8	21	.0	373.6	16495	100	
110	-78.8	30	.0	365.5	15971	-79.6	25	.0	364.0	15893	-78.2	12	.0	366.6	16040	-80.2	20	.0	362.8	15958	110	
120	-76.1	30	.0	361.4	15473	-76.1	25	.0	361.3	15395	-76.2	11	.0	361.2	15540	-77.9	20	.0	358.2	15463	120	
130	-73.3	30	.0	358.3	15008	-74.5	25	.0	356.2	14931	-73.5	14	.0	357.9	15075	-75.1	20	.0	355.0	15002	130	
140	-70.2	30	.0	356.2	14571	-72.0	25	.0	353.1	14497	-70.5	15	.0	355.6	14638	-71.8	20	.0	353.4	14569	140	
150	-67.3	30	.0	354.3	14158	-69.3	25	.0	350.7	14088	-67.1	15	.0	354.5	14226	-68.5	20	.0	352.2	14159	150	
160	-64.6	30	.0	352.4	13766	-66.6	25	.0	348.8	13701	-64.0	14	.0	353.3	13833	-65.4	20	.0	351.0	13769	160	
170	-62.0	30	.0	350.6	13393	-63.6	25	.0	348.0	13331	-61.1	14	.0	352.1	13459	-62.4	20	.0	349.9	13398	170	
180	-59.6	30	.0	348.8	13038	-60.6	25	.0	347.1	12978	-58.1	14	.0	351.3	13102	-59.5	20	.0	349.0	13043	180	
190	-57.3	30	.0	347.1	12698	-57.9	26	.0	346.2	12639	-55.2	14	.0	350.5	12759	-56.8	20	.0	348.0	12702	190	
200	-55.1	30	.0	345.7	12372	-55.3	26	.0	345.4	12314	-52.5	14	.0	349.8	12430	-54.2	20	.0	347.1	12375	200	
225	-48.2	26	.1	344.8	11608	-49.0	31	.1	343.7	11552	-46.2	13	.0	347.8	11658	-48.2	19	.0	344.8	11609	225	
250	-42.1	23	.1	343.9	10905	-43.1	40	.1	342.5	10851	-41.0	13	.1	345.3	10950	-42.9	19	.1	342.6	10907	250	
275	-36.6	21	.1	342.8	10252	-37.9	26	.1	340.9	10202	-35.4	12	.1	344.4	10294	-36.8	18	.1	342.3	10256	275	
300	-31.5	18	.2	341.7	9643	-33.1	42	.3	340.0	9596	-30.2	12	.1	343.4	9681	-31.0	16	.2	342.3	9647	300	
325	-27.2	18	.2	340.2	9071	-29.6	45	.5	337.6	9029	-25.4	12	.2	342.3	9106	-27.6	17	.2	339.5	9075	325	
350	-23.2	18	.3	338.7	8533	-25.7	20	.3	335.2	8497	-21.0	11	.2	341.3	8564	-23.0	16	.3	338.9	8537	350	
375	-19.5	18	.4	337.4	8024	-21.1	18	.3	335.0	7992	-17.2	11	.3	340.0	8050	-18.6	14	.3	338.3	8027	375	
400	-16.0	18	.5	336.1	7541	-16.7	15	.4	334.8	7511	-14.5	11	.3	337.5	7564	-14.5	13	.4	337.7	7542	400	
425	-12.8	18	.6	334.7	7082	-13.5	13	.4	333.3	7053	-11.5	11	.4	335.7	7102	-11.9	16	.6	335.9	7080	425	
450	-10.0	16	.6	333.1	6643	-12.5	17	.6	329.6	6617	-8.8	10	.5	334.0	6662	-10.0	19	.7	333.5	6641	450	
475	-7.3	15	.7	331.5	6224	-10.0	22	.8	328.5	6202	-6.1	10	.5	332.4	6241	-6.9	15	.7	332.1	6222	475	
500	-4.8	14	.7	330.0	5823	-7.9	14	.6	325.6	5805	-4.0	10	.6	330.3	5838	-4.2	12	.7	330.5	5820	500	
525	-2.3	13	.8	328.5	5438	-5.6	14	.7	324.2	5424	-1.4	10	.7	329.2	5452	-3.2	16	.9	327.9	5435	525	
550	-.0	12	.8	327.0	5067	-3.3	14	.8	322.9	5058	1.1	10	.8	328.2	5079	-.2	12	.8	326.7	5065	550	
575	1.5	12	.9	324.9	4710	-1.4	20	1.2	322.6	4705	2.3	10	.8	325.5	4721	1.0	13	.9	324.4	4708	575	
600	2.9	14	1.1	323.2	4367	.9	23	1.6	322.5	4365	3.6	13	1.0	324.0	4377	1.6	29	2.1	325.0	4366	600	
625	4.8	14	1.2	322.2	4035	3.3	23	1.8	322.2	4035	5.3	14	1.2	322.9	4045	3.8	26	2.1	323.8	4036	625	
650	6.6	15	1.4	321.3	3715	5.2	27	2.3	322.5	3716	7.6	14	1.4	322.4	3723	6.1	22	1.9	322.4	3716	650	
675	8.4	16	1.6	320.4	3404	7.1	31	2.9	323.0	3407	9.8	14	1.6	321.9	3412	8.2	18	1.8	321.0	3406	675	
700	10.0	30	3.3	324.2	3103	8.8	35	3.6	323.7	3107	11.7	15	1.9	321.8	3109	10.1	20	2.2	321.0	3105	700	
725	12.2	29	3.6	324.2	2810	10.5	36	4.0	323.5	2816	13.2	19	2.5	322.3	2815	11.9	22	2.6	321.0	2812	725	
750	14.3	25	3.4	323.0	2526	11.9	31	3.6	321.0	2533	14.6	23	3.2	322.9	2530	13.7	23	3.0	321.2	2528	750	
775	16.4	21	3.1	321.6	2248	13.2	27	3.3	318.4	2258	16.1	27	4.0	323.7	2252	15.4	25	3.5	321.5	2251	775	
800	17.0	32	4.9	324.6	1978	13.7	46	5.6	322.9	1991	18.0	18	3.0	319.9	1982	16.0	48	6.8	329.0	1981	800	
825	16.9	52	7.6	329.2	1715	14.1	69	8.5	328.6	1731	17.5	37	5.6	324.2	1718	16.5	72	10.3	336.6	1719	825	
850	16.9	68	9.7	332.4	1460	15.5	71	9.3	329.4	1478	18.3	45	7.0	326.6	1463	17.2	92	13.4	343.1	1464	850	
875	17.4	83	11.9	336.2	1212	16.9	72	10.0	330.3	1231	19.5	50	8.1	328.2	1214	18.4	92	14.2	343.7	1215	875	
900	18.8	95	14.7	342.7	970	18.2	73	10.8	331.3	989	20.6	54	9.2	329.9	971	20.0	91	15.1	345.6	972	900	
925	20.6	98	16.4	346.8	733	19.5	75	11.6	332.4	754	21.8	62	11.0	333.7	733	21.7	90	16.2	347.6	733	925	
950	22.4	97	17.7	350.0	500	20.7	76	12.4	333.5	523	23.0	70	13.2	338.5	501	23.2	90	17.2	349.7	500	950	
975	24.2	95	19.0	353.3	272	22.3	77	13.6	336.1	297	25.4	67	14.2	341.6	273	24.8	89	18.2	351.9	272	975	
1000	26.0	94	20.4	356.6	49	26.4	81	17.8	350.3	74	28.9	66	16.8	350.5	48	26.3	88	19.3	354.1	48	1000	
SFC.	26.4	94	20.7	357.4	0	27.8	82	19.5	355.7	0	29.7	69	18.3	355.4	0	26.6	88	19.6	354.6	0	SFC.	
				SURFACE PRESSURE	1005.5				SURFACE PRESSURE	1008.4				SURFACE PRESSURE	1005.4				SURFACE PRESSURE	1005.4		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/ 8 15 3 GMT						3/ 8 1840 GMT					3/ 8 2249 GMT					3/ 9 6 5 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-68.3	0	0.0	458.0	19495	-67.8	0	0.0	459.1	19579	-71.3	0	0.0	451.4	19514	-67.6	0	0.0	459.6	19508	60	
70	-70.0	0	0.0	434.6	18575	-66.6	0	0.0	441.9	18651	-70.5	0	0.0	433.6	18606	-73.6	0	0.0	426.9	18602	70	
80	-75.3	0	0.0	407.5	17791	-73.5	0	0.0	411.2	17860	-73.3	0	0.0	411.5	17814	-72.1	0	0.0	414.0	17819	80	
90	-78.5	0	0.0	387.6	17115	-77.5	14	.0	389.6	17177	-77.7	20	.0	389.1	17133	-77.3	20	.0	390.0	17134	90	
100	-80.4	0	0.0	372.4	16518	-78.0	14	.0	377.1	16574	-81.5	20	.0	370.3	16536	-82.3	21	.0	368.7	16537	100	
110	-80.5	25	.0	362.2	15981	-78.7	15	.0	365.7	16030	-79.4	20	.0	364.3	15998	-79.7	21	.0	363.7	16001	110	
120	-77.9	25	.0	358.0	15487	-76.6	15	.0	360.5	15533	-77.5	20	.0	358.8	15502	-77.3	20	.0	359.1	15505	120	
130	-74.4	25	.0	356.3	15026	-73.0	14	.0	358.8	15068	-74.0	20	.0	356.9	15039	-74.7	20	.0	355.7	15043	130	
140	-71.0	25	.0	354.7	14591	-69.7	14	.0	357.1	14630	-70.8	20	.0	355.0	14604	-71.3	20	.0	354.2	14609	140	
150	-68.0	25	.0	353.1	14179	-66.5	14	.0	355.6	14216	-67.9	20	.0	353.2	14192	-68.1	20	.0	352.8	14198	150	
160	-65.1	25	.0	351.5	13789	-63.5	14	.0	354.1	13822	-64.8	20	.0	352.0	13801	-65.1	20	.0	351.5	13807	160	
170	-62.3	25	.0	350.0	13417	-60.8	13	.0	352.6	13448	-61.8	20	.0	350.9	13428	-62.0	20	.0	350.6	13435	170	
180	-59.8	25	.0	348.5	13062	-58.1	13	.0	351.2	13090	-58.9	20	.0	349.9	13072	-59.1	19	.0	349.7	13079	180	
190	-57.1	25	.0	347.5	12722	-55.7	13	.0	349.8	12748	-56.3	19	.0	348.9	12731	-56.3	19	.0	348.8	12738	190	
200	-54.4	25	.0	346.8	12395	-53.3	13	.0	348.5	12419	-53.7	19	.0	347.8	12403	-53.7	19	.0	347.9	12411	200	
225	-48.2	24	.1	344.9	11630	-47.4	13	.0	346.0	11651	-47.7	19	.0	345.6	11636	-47.7	19	.0	345.6	11643	225	
250	-42.7	24	.1	343.0	10927	-41.8	13	.0	344.2	10946	-42.1	18	.1	343.8	10932	-42.3	18	.1	343.5	10939	250	
275	-37.1	22	.1	342.0	10277	-36.7	12	.1	342.4	10293	-37.0	18	.1	342.0	10280	-37.4	18	.1	341.5	10288	275	
300	-31.8	20	.2	341.3	9668	-31.9	12	.1	340.8	9684	-32.0	18	.2	340.9	9672	-32.9	17	.1	339.6	9682	300	
325	-27.6	19	.2	339.7	9098	-27.3	11	.1	339.6	9113	-27.2	18	.2	340.1	9101	-28.2	17	.2	338.7	9113	325	
350	-22.7	16	.3	339.3	8559	-23.1	11	.2	338.4	8575	-22.8	17	.3	339.3	8562	-23.6	16	.3	338.0	8576	350	
375	-18.1	14	.3	339.0	8049	-19.1	10	.2	337.3	8066	-18.7	17	.4	338.5	8052	-19.3	15	.3	337.4	8068	375	
400	-14.3	14	.4	338.2	7563	-15.4	10	.3	336.1	7582	-14.8	17	.5	337.7	7567	-15.3	15	.4	336.8	7584	400	
425	-10.9	16	.6	337.3	7100	-11.5	10	.4	335.7	7121	-12.0	17	.6	335.9	7106	-11.5	15	.6	336.3	7123	425	
450	-9.4	17	.7	334.0	6660	-8.5	10	.4	334.2	6680	-9.3	17	.7	334.1	6666	-8.4	16	.7	335.3	6682	450	
475	-6.5	15	.7	332.7	6240	-5.8	10	.5	332.7	6259	-6.8	16	.8	332.5	6247	-6.9	19	.9	332.8	6261	475	
500	-3.7	13	.8	331.3	5837	-3.4	10	.6	331.1	5855	-4.4	16	.9	330.9	5844	-3.7	15	.9	331.7	5859	500	
525	-2.3	15	.9	329.0	5451	-1.2	10	.7	329.4	5468	-2.2	16	1.0	329.4	5459	-1.7	13	.8	329.5	5472	525	
550	.5	13	.9	327.9	5080	.8	10	.7	327.7	5096	-.2	16	1.1	327.7	5088	.9	13	1.0	328.7	5100	550	
575	1.7	21	1.6	327.4	4723	.9	10	.7	323.6	4739	.8	17	1.2	325.1	4732	1.6	16	1.2	326.1	4742	575	
600	2.4	32	2.4	327.1	4379	2.8	10	.8	322.2	4397	1.8	18	1.3	322.7	4389	3.0	16	1.3	324.0	4399	600	
625	4.8	29	2.5	326.3	4048	5.2	11	.9	321.7	4065	4.3	18	1.5	322.5	4059	4.7	25	2.2	325.1	4067	625	
650	7.1	26	2.5	325.3	3727	7.4	11	1.1	321.3	3744	6.8	17	1.7	322.3	3738	7.7	18	1.8	323.7	3746	650	
675	9.4	22	2.4	324.1	3416	9.6	12	1.3	320.9	3433	9.1	17	1.8	322.1	3427	9.6	18	1.9	322.9	3434	675	
700	11.3	30	3.6	326.6	3113	11.7	12	1.5	320.6	3130	11.4	17	2.0	322.0	3125	11.4	18	2.2	322.4	3132	700	
725	12.8	49	6.3	333.2	2819	13.0	16	2.0	320.5	2836	12.8	26	3.3	324.2	2831	13.1	19	2.4	321.9	2838	725	
750	14.6	35	4.8	327.7	2533	14.2	19	2.6	320.4	2551	14.1	35	4.7	326.7	2546	14.3	56	7.7	335.7	2553	750	
775	15.8	33	4.8	326.0	2255	15.4	22	3.2	320.5	2274	13.5	67	8.4	333.7	2270	15.5	88	12.6	348.2	2274	775	
800	16.4	50	7.3	330.8	1985	16.3	33	4.8	323.4	2005	15.2	90	12.3	343.6	2001	16.7	99	15.0	353.1	2003	800	
825	16.5	82	11.8	340.7	1723	16.8	52	7.6	329.1	1743	16.3	92	13.2	344.4	1738	17.9	71	11.2	340.8	1739	825	
850	17.9	84	12.9	342.6	1467	17.2	70	10.2	334.0	1488	17.4	94	14.1	345.2	1483	18.4	94	14.9	348.8	1482	850	
875	19.3	87	14.1	344.7	1218	19.1	68	10.8	335.4	1239	19.1	91	14.7	346.0	1233	20.5	79	13.9	345.8	1232	875	
900	20.7	89	15.3	346.8	974	20.6	69	11.8	337.1	996	20.8	84	14.6	345.1	989	21.5	83	15.0	347.2	987	900	
925	22.0	91	16.5	349.2	735	21.9	72	13.0	339.2	758	22.4	77	14.3	343.6	751	21.8	96	17.4	351.2	748	925	
950	23.3	93	17.8	351.6	502	23.1	76	14.3	341.5	525	24.0	69	13.9	341.6	517	23.4	94	18.1	352.4	515	950	
975	25.1	88	18.3	352.6	273	25.1	73	15.2	343.9	297	25.4	69	14.7	343.1	289	24.9	90	18.7	353.4	286	975	
1000	26.5	87	19.4	354.5	49	27.0	77	17.7	350.6	73	26.6	82	18.1	351.3	65	26.5	87	19.3	354.2	62	1000	
SFC.	26.5	91	20.1	356.0	0	27.4	86	20.0	356.6	0	26.9	85	19.2	353.8	0	26.9	86	19.4	354.5	0	SFC.	
				SURFACE PRESSURE	1005.5				SURFACE PRESSURE	1008.2				SURFACE PRESSURE	1007.3				SURFACE PRESSURE	1007.0		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/ 9 930 GMT						3/ 9 1240 GMT						3/10 12 0 GMT						3/10 1441 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-68.8	0	0.0	456.9	19545	-68.5	0	0.0	457.6	19527	-65.4	0	0.0	464.5	19496	-61.8	0	0.0	472.6	19479	60		
70	-72.7	0	0.0	428.9	18636	-72.2	0	0.0	429.9	18615	-72.0	0	0.0	430.4	18584	-72.5	0	0.0	429.4	18544	70		
80	-75.9	16	.0	406.2	17853	-72.2	0	0.0	413.8	17829	-72.9	0	0.0	412.4	17797	-72.4	0	0.0	413.5	17756	80		
90	-82.3	16	.0	380.0	17190	-81.9	14	.0	380.8	17155	-82.4	13	.0	379.8	17127	-82.6	20	.0	379.4	17076	90		
100	-79.5	16	.0	374.2	16596	-79.5	15	.0	374.2	16561	-81.5	12	.0	370.3	16540	-83.9	20	.0	365.6	16494	100		
110	-78.9	16	.0	365.1	16053	-77.2	15	.0	368.4	16017	-78.5	12	.0	366.0	16001	-80.2	20	.0	362.8	15961	110		
120	-77.5	15	.0	358.8	15558	-78.1	14	.0	357.7	15519	-78.1	12	.0	357.8	15504	-79.3	19	.0	355.4	15469	120		
130	-74.2	15	.0	356.6	15096	-74.6	14	.0	355.9	15058	-74.6	14	.0	355.9	15043	-75.6	19	.0	354.0	15010	130		
140	-70.5	15	.0	355.6	14660	-70.9	13	.0	354.9	14623	-71.3	16	.0	354.2	14608	-72.2	19	.0	352.7	14578	140		
150	-67.1	15	.0	354.6	14247	-67.5	13	.0	353.9	14211	-68.1	16	.0	352.8	14197	-68.9	19	.0	351.5	14168	150		
160	-63.8	15	.0	353.6	13855	-64.2	12	.0	352.9	13819	-64.9	15	.0	351.8	13807	-65.8	18	.0	350.3	13779	160		
170	-60.6	14	.0	352.8	13480	-61.2	12	.0	351.8	13446	-61.9	14	.0	350.8	13434	-62.9	18	.0	349.1	13409	170		
180	-57.6	14	.0	352.2	13122	-58.4	11	.0	350.8	13088	-59.0	13	.0	349.8	13078	-60.1	18	.0	348.0	13054	180		
190	-54.6	13	.0	351.5	12778	-55.7	11	.0	349.8	12746	-56.3	13	.0	348.8	12737	-57.2	18	.0	347.4	12715	190		
200	-51.9	13	.0	350.7	12448	-53.1	11	.0	348.8	12418	-53.6	12	.0	348.0	12409	-54.4	17	.0	346.8	12388	200		
225	-45.9	12	.0	348.3	11674	-47.0	0	0.0	346.4	11648	-46.6	11	.0	347.2	11640	-48.0	16	.0	345.2	11622	225		
250	-40.7	12	.1	345.7	10965	-41.2	0	0.0	344.9	10942	-40.4	10	.0	346.2	10931	-41.7	15	.1	344.3	10918	250		
275	-36.1	11	.1	343.3	10310	-35.9	M	M	M	10287	-35.7	10	.1	343.9	10275	-35.9	14	.1	343.6	10264	275		
300	-31.8	11	.1	341.0	9700	-31.0	M	M	M	9676	-31.4	10	.1	341.5	9664	-31.2	15	.1	342.0	9653	300		
325	-27.3	11	.1	339.6	9129	-26.6	M	M	M	9103	-27.1	10	.1	339.8	9093	-27.1	15	.2	340.1	9081	325		
350	-22.8	11	.2	338.8	8591	-22.4	M	M	M	8563	-23.4	11	.2	338.0	8555	-23.3	16	.3	338.4	8543	350		
375	-18.5	10	.2	338.1	8081	-18.6	M	M	M	8053	-19.9	13	.3	336.4	8047	-21.0	23	.4	335.5	8036	375		
400	-14.6	10	.3	337.3	7596	-15.0	M	M	M	7568	-14.7	10	.3	337.1	7563	-16.6	18	.5	335.2	7556	400		
425	-10.9	10	.4	336.5	7133	-12.3	M	M	M	7108	-11.4	10	.4	335.8	7101	-12.7	15	.5	334.6	7097	425		
450	-8.7	14	.6	334.6	6692	-9.8	M	M	M	6669	-8.7	10	.4	334.0	6661	-9.5	14	.6	333.5	6658	450		
475	-7.3	19	.9	332.2	6272	-7.4	M	M	M	6250	-7.4	12	.6	331.0	6240	-6.9	14	.7	331.9	6238	475		
500	-3.8	14	.8	331.3	5869	-5.1	M	M	M	5849	-5.2	16	.8	329.8	5840	-5.6	19	1.0	329.7	5837	500		
525	-1.2	10	.7	329.4	5482	-2.6	M	M	M	5464	-1.9	14	.9	329.2	5454	-2.3	17	1.0	329.3	5452	525		
550	1.0	10	.7	328.1	5110	-.2	M	M	M	5094	1.1	11	.8	328.4	5083	.3	15	1.1	328.3	5081	550		
575	2.8	10	.8	326.3	4752	2.1	10	.8	325.3	4737	2.8	11	.9	326.5	4724	1.8	15	1.1	326.1	4724	575		
600	3.6	13	1.0	324.0	4407	4.3	11	.9	324.3	4392	3.6	13	1.1	324.0	4379	3.2	15	1.2	324.0	4380	600		
625	5.4	15	1.3	323.2	4075	6.3	11	1.0	323.4	4059	5.0	15	1.3	322.5	4048	5.2	24	2.1	325.7	4048	625		
650	7.6	15	1.6	322.9	3754	8.3	11	1.2	322.5	3737	7.3	16	1.6	322.7	3727	7.3	38	3.8	329.5	3727	650		
675	9.4	27	2.9	325.7	3442	10.2	12	1.3	321.7	3424	9.7	10	1.1	320.4	3415	8.7	50	5.2	332.0	3415	675		
700	11.2	32	3.8	327.1	3139	12.0	12	1.5	321.0	3121	10.1	19	2.1	320.5	3113	10.3	44	4.9	329.5	3113	700		
725	13.5	17	2.2	321.7	2845	13.8	12	1.7	320.3	2827	10.9	54	6.1	330.3	2821	11.6	70	8.3	337.6	2820	725		
750	15.1	27	3.8	325.1	2559	15.5	13	1.9	319.7	2541	12.7	77	9.5	339.0	2537	13.0	80	10.0	340.9	2535	750		
775	16.2	47	7.0	332.9	2281	16.8	34	5.2	328.3	2263	14.5	90	12.1	345.6	2260	14.3	88	11.7	344.1	2258	775		
800	18.0	29	4.7	325.3	2010	18.2	15	2.4	318.3	1992	16.1	99	14.4	350.7	1990	15.8	90	12.8	345.8	1988	800		
825	18.5	85	14.0	349.4	1746	20.0	17	3.0	319.5	1728	17.3	98	14.8	350.2	1726	17.2	92	14.0	347.7	1725	825		
850	18.9	92	15.0	349.7	1489	16.8	97	13.9	343.9	1472	18.4	97	15.3	349.7	1470	18.6	95	15.2	349.8	1468	850		
875	19.7	91	15.3	348.6	1239	18.6	96	15.0	346.2	1223	19.4	96	15.7	349.3	1219	19.1	98	15.8	349.1	1218	875		
900	20.5	91	15.6	347.5	994	20.3	96	16.1	348.5	980	20.5	95	16.1	348.9	975	19.9	98	16.1	348.0	974	900		
925	22.1	88	16.2	348.4	756	21.9	95	17.3	351.0	741	21.6	95	16.8	349.2	737	21.4	97	17.0	349.6	736	925		
950	23.9	85	16.9	349.8	522	23.5	94	18.4	353.6	507	22.7	96	17.7	350.5	504	22.9	95	17.9	351.2	503	950		
975	25.5	82	17.5	351.0	294	25.1	94	19.7	356.2	279	23.8	97	18.7	351.6	276	24.4	94	18.8	352.7	275	975		
1000	27.0	80	18.4	352.4	69	26.6	93	20.9	358.9	54	24.8	98	19.7	353.2	53	25.8	92	19.6	354.3	51	1000		
SFC.	27.0	84	19.0	353.5	0	27.0	93	21.2	359.6	0	25.1	98	19.9	353.5	0	26.1	92	19.8	354.7	0	SFC.		
				SURFACE PRESSURE	1007.8				SURFACE PRESSURE	1006.1				SURFACE PRESSURE	1006.0				SURFACE PRESSURE	1005.8			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/10 18 00 GMT						3/10 2045 GMT				3/10 2345 GMT				3/11 3 00 GMT				P				
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	0.0	0	0.0	0.0	0	-64.3	0	0.0	467.0	19573	-65.8	0	0.0	463.6	19427	-66.6	18	.0	461.9	19487	60	
70	-69.0	15	.0	436.8	18676	-71.0	0	0.0	432.5	18642	-73.5	0	0.0	427.2	18512	-70.8	19	.0	433.0	18557	70	
80	-71.2	15	.0	415.9	17882	-72.5	0	0.0	413.2	17849	-75.1	19	.0	408.0	17735	-78.0	19	.0	401.8	17784	80	
90	-80.5	15	.0	383.5	17200	-77.4	16	.0	389.8	17166	-78.4	19	.0	387.8	17054	-80.7	19	.0	383.2	17115	90	
100	-80.8	15	.0	371.6	16609	-81.7	17	.0	369.9	16568	-81.0	20	.0	371.3	16460	-82.1	19	.0	369.1	16525	100	
110	-78.3	16	.0	366.3	16069	-79.4	17	.0	364.2	16031	-80.8	19	.0	361.6	15924	-79.9	19	.0	363.4	15988	110	
120	-75.4	16	.0	362.7	15569	-77.4	17	.0	359.0	15535	-77.9	19	.0	358.1	15431	-77.8	19	.0	358.3	15493	120	
130	-72.6	15	.0	359.5	15102	-74.4	17	.0	356.2	15073	-74.5	19	.0	356.1	14969	-74.0	19	.0	356.9	15031	130	
140	-70.0	15	.0	356.6	14664	-71.4	16	.0	354.0	14638	-71.4	19	.0	354.1	14535	-70.6	18	.0	355.5	14595	140	
150	-67.0	15	.0	354.6	14251	-68.1	16	.0	352.9	14227	-68.5	19	.0	352.2	14124	-67.3	18	.0	354.1	14182	150	
160	-63.6	15	.0	354.0	13858	-64.5	16	.0	352.4	13836	-65.7	19	.0	350.4	13734	-64.2	18	.0	352.9	13790	160	
170	-60.3	15	.0	353.4	13483	-61.2	15	.0	351.9	13463	-62.9	19	.0	349.1	13364	-61.2	18	.0	351.9	13417	170	
180	-57.2	15	.0	352.7	13124	-58.1	15	.0	351.3	13106	-60.2	19	.0	347.8	13009	-58.3	19	.0	350.9	13060	180	
190	-54.4	15	.0	351.8	12780	-55.2	15	.0	350.5	12763	-57.7	18	.0	346.6	12670	-55.6	19	.0	349.9	12717	190	
200	-52.3	15	.0	350.1	12450	-52.8	16	.0	349.3	12434	-55.3	18	.0	345.4	12345	-53.0	19	.0	348.9	12389	200	
225	-46.1	14	.0	348.0	11678	-47.1	17	.0	346.5	11664	-48.9	20	.0	343.8	11583	-46.2	17	.0	347.9	11618	225	
250	-40.3	14	.1	346.5	10968	-41.2	16	.1	345.2	10958	-42.7	23	.1	343.0	10881	-40.4	21	.1	346.4	10909	250	
275	-35.0	13	.1	344.9	10311	-35.7	14	.1	343.9	10302	-37.1	26	.2	342.1	10230	-35.4	28	.2	344.7	10252	275	
300	-30.4	13	.1	343.1	9698	-31.4	10	.1	341.6	9692	-32.0	29	.3	341.3	9622	-30.8	34	.3	343.3	9640	300	
325	-26.1	12	.2	341.5	9124	-27.0	10	.1	340.1	9120	-27.8	27	.3	339.7	9052	-28.5	21	.2	338.4	9069	325	
350	-22.1	12	.2	339.9	8583	-22.9	10	.2	338.7	8581	-23.9	26	.4	338.1	8515	-23.7	11	.2	337.5	8533	350	
375	-19.6	14	.3	336.9	8073	-19.4	14	.3	337.1	8071	-20.4	24	.5	336.6	8007	-20.3	11	.2	335.7	8025	375	
400	-15.4	13	.4	336.4	7590	-16.2	11	.3	335.1	7589	-17.0	23	.6	335.1	7526	-16.6	12	.3	334.6	7544	400	
425	-12.0	13	.5	335.4	7129	-12.0	10	.4	335.0	7129	-14.2	21	.6	333.2	7069	-12.8	11	.4	334.0	7085	425	
450	-8.8	14	.6	334.5	6689	-9.1	11	.5	333.7	6689	-11.0	17	.6	331.8	6633	-9.2	10	.4	333.4	6646	450	
475	-5.7	14	.7	333.7	6268	-6.8	16	.8	332.3	6269	-9.2	32	1.3	331.0	6217	-7.0	27	1.3	334.0	6226	475	
500	-4.1	14	.8	330.9	5865	-5.4	16	.8	329.5	5868	-6.5	22	1.0	328.9	5818	-6.5	61	2.9	334.9	5826	500	
525	-1.5	12	.8	329.5	5479	-2.3	13	.8	328.6	5483	-3.6	23	1.3	328.7	5435	-3.2	38	2.2	331.9	5442	525	
550	.9	10	.7	327.9	5107	.0	26	1.8	330.4	5112	-.7	30	2.0	330.0	5065	-.1	15	1.0	327.7	5072	550	
575	2.6	11	.9	326.2	4749	1.5	23	1.7	327.6	4755	1.5	23	1.7	327.8	4708	1.9	10	.8	324.9	4715	575	
600	4.1	13	1.1	324.7	4404	4.8	12	1.1	325.5	4410	3.7	17	1.4	325.3	4364	4.2	10	.9	324.1	4371	600	
625	5.6	14	1.2	323.2	4072	6.3	14	1.3	324.2	4076	4.8	19	1.7	323.5	4032	6.5	10	1.0	323.3	4038	625	
650	6.9	51	4.9	332.3	3750	8.1	26	2.7	326.9	3754	5.7	35	3.1	325.4	3712	6.3	26	2.4	323.9	3717	650	
675	8.9	51	5.4	332.8	3438	9.9	39	4.4	330.9	3442	6.9	53	4.9	328.9	3403	7.8	54	5.3	330.9	3406	675	
700	10.5	45	5.1	330.3	3136	9.9	62	6.7	334.3	3140	8.8	50	5.0	328.0	3102	9.3	56	5.9	331.2	3105	700	
725	11.6	80	9.5	341.0	2844	12.0	63	7.7	336.2	2846	10.6	46	5.1	327.1	2811	10.6	52	5.7	328.9	2813	725	
750	12.8	89	11.2	344.0	2559	13.8	61	8.1	336.4	2561	12.4	43	5.2	326.1	2527	10.7	46	4.9	323.4	2531	750	
775	14.2	91	12.0	344.8	2281	14.5	65	8.8	336.0	2284	14.1	40	5.2	325.0	2252	14.0	78	10.1	339.1	2255	775	
800	15.5	92	12.9	345.8	2012	16.0	67	9.5	336.8	2014	15.3	42	5.8	325.3	1983	15.3	83	11.3	341.0	1985	800	
825	16.9	93	13.7	346.6	1749	17.9	66	10.4	338.7	1751	16.0	52	7.3	327.4	1722	16.5	86	12.5	342.6	1723	825	
850	18.2	92	14.4	347.2	1492	19.1	68	11.2	339.3	1494	16.7	62	8.8	329.6	1467	17.7	88	13.4	343.8	1467	850	
875	19.6	91	15.1	347.8	1242	19.6	72	11.9	338.8	1244	17.6	69	10.0	331.3	1219	18.9	91	14.4	345.1	1218	875	
900	20.8	91	15.8	348.4	998	21.0	71	12.5	339.5	1000	19.2	67	10.5	331.8	977	20.1	93	15.5	346.5	974	900	
925	22.1	90	16.5	349.1	759	22.5	70	13.1	340.2	762	20.8	66	11.0	332.3	741	21.1	93	16.1	346.7	736	925	
950	23.3	89	17.2	349.8	526	23.9	69	13.7	341.0	529	22.2	64	11.5	332.8	509	22.3	90	16.3	346.1	504	950	
975	24.5	89	17.9	350.5	298	25.2	68	14.3	341.7	300	23.7	63	12.0	333.4	282	24.0	84	16.4	345.7	276	975	
1000	25.6	88	18.6	351.2	74	27.3	80	18.5	353.3	76	27.0	73	16.6	347.7	60	26.1	86	18.6	351.9	53	1000	
SFC.	26.0	88	18.8	351.4	0	28.3	88	21.6	362.2	0	28.8	81	20.5	360.0	0	26.8	90	20.2	356.7	0	SFC.	
				SURFACE PRESSURE	1008.4				SURFACE PRESSURE	1008.6				SURFACE PRESSURE	1006.7				SURFACE PRESSURE	1006.0		



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/11 6 3 GMT						3/11 9 0 GMT						3/11 1137 GMT						3/11 1925 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	0.0	0	0.0	0.0	0	-66.4	0	0.0	462.3	19454	-64.1	0	0.0	467.4	19489	0.0	0	0.0	0.0	0	60		
70	0.0	0	0.0	0.0	0	-70.6	0	0.0	433.4	18529	-70.1	0	0.0	434.4	18554	0.0	0	0.0	0.0	0	70		
80	0.0	0	0.0	0.0	0	-76.5	49	.0	405.1	17750	-76.5	33	.0	404.9	17777	0.0	0	0.0	0.0	0	80		
90	0.0	0	0.0	0.0	0	-80.1	49	.0	384.4	17073	-79.1	33	.0	386.5	17097	0.0	0	0.0	0.0	0	90		
100	0.0	0	0.0	0.0	0	-81.7	49	.0	369.9	16483	-82.0	34	.0	369.3	16506	0.0	0	0.0	0.0	0	100		
110	0.0	0	0.0	0.0	0	-80.1	49	.0	363.0	15947	-81.2	34	.0	361.0	15971	0.0	0	0.0	0.0	0	110		
120	0.0	0	0.0	0.0	0	-78.4	49	.0	357.1	15453	-78.0	34	.0	357.9	15479	0.0	0	0.0	0.0	0	120		
130	0.0	0	0.0	0.0	0	-74.8	49	.0	355.6	14992	-74.6	34	.0	355.9	15017	0.0	0	0.0	0.0	0	130		
140	0.0	0	0.0	0.0	0	-71.4	49	.0	354.1	14558	-71.3	34	.0	354.2	14583	0.0	0	0.0	0.0	0	140		
150	0.0	0	0.0	0.0	0	-68.1	49	.0	352.9	14147	-68.0	34	.0	353.0	14172	0.0	0	0.0	0.0	0	150		
160	0.0	0	0.0	0.0	0	-64.7	49	.0	352.1	13756	-64.9	34	.0	351.7	13781	0.0	0	0.0	0.0	0	160		
170	0.0	0	0.0	0.0	0	-61.6	49	.0	351.3	13383	-62.1	34	.0	350.5	13409	0.0	0	0.0	0.0	0	170		
180	0.0	0	0.0	0.0	0	-58.7	49	.0	350.5	13027	-59.3	34	.0	349.3	13053	0.0	0	0.0	0.0	0	180		
190	0.0	0	0.0	0.0	0	-55.9	49	.1	349.6	12685	-56.7	34	.0	348.1	12713	0.0	0	0.0	0.0	0	190		
200	0.0	0	0.0	0.0	0	-54.0	51	.1	347.6	12357	-53.9	34	.0	347.6	12385	0.0	0	0.0	0.0	0	200		
225	0.0	0	0.0	0.0	0	-47.7	53	.1	345.9	11590	-47.0	35	.1	346.8	11617	0.0	0	0.0	0.0	0	225		
250	0.0	0	0.0	0.0	0	-42.1	55	.2	344.4	10886	-40.9	36	.2	345.9	10910	0.0	0	0.0	0.0	0	250		
275	0.0	0	0.0	0.0	0	-36.7	56	.3	343.5	10233	-36.0	28	.2	343.9	10255	0.0	0	0.0	0.0	0	275		
300	0.0	0	0.0	0.0	0	-31.5	57	.5	343.0	9624	-31.8	36	.3	341.9	9645	0.0	0	0.0	0.0	0	300		
325	0.0	0	0.0	0.0	0	-27.6	60	.7	341.4	9052	-27.8	62	.7	341.1	9074	0.0	0	0.0	0.0	0	325		
350	0.0	0	0.0	0.0	0	-24.6	45	.7	338.2	8516	-24.0	50	.8	339.4	8538	0.0	0	0.0	0.0	0	350		
375	0.0	0	0.0	0.0	0	-21.1	45	.9	336.9	8010	-20.6	27	.5	336.4	8031	0.0	0	0.0	0.0	0	375		
400	-17.1	10	.2	333.8	7553	-17.8	53	1.2	336.4	7531	-17.0	16	.4	334.5	7550	-17.4	43	1.0	336.2	7553	400		
425	-13.5	10	.3	332.9	7095	-14.3	52	1.5	336.1	7074	-13.0	16	.5	334.3	7092	-14.2	25	.8	333.6	7096	425		
450	-10.1	10	.4	332.0	6658	-11.1	51	1.9	335.9	6638	-9.7	21	.9	334.2	6653	-10.8	22	.8	332.8	6660	450		
475	-6.9	10	.5	331.2	6239	-8.1	52	2.3	335.9	6220	-7.9	45	2.0	335.2	6234	-8.8	37	1.5	332.6	6243	475		
500	-5.9	61	3.0	336.0	5837	-6.7	57	2.6	333.8	5819	-7.0	78	3.5	336.2	5834	-6.7	38	1.8	331.0	5844	500		
525	-3.6	30	1.7	329.9	5454	-5.5	38	1.8	328.1	5437	-4.2	48	2.6	332.0	5451	-4.8	21	1.1	326.4	5461	525		
550	-.5	10	.7	325.9	5084	-2.9	37	2.1	327.7	5071	-1.6	20	1.2	326.4	5083	-2.2	15	.9	324.7	5094	550		
575	1.4	10	.7	324.3	4728	-.5	38	2.4	327.6	4717	.8	12	.9	324.0	4727	.8	13	.9	324.1	4739	575		
600	3.2	10	.8	322.7	4384	1.6	37	2.7	326.8	4375	3.1	13	1.0	323.2	4384	2.7	14	1.1	323.0	4396	600		
625	4.9	10	.9	321.1	4053	3.4	36	2.8	325.6	4045	5.3	13	1.1	322.5	4052	4.7	15	1.2	322.1	4065	625		
650	6.6	12	1.1	320.2	3732	5.9	37	3.4	326.6	3725	7.5	18	1.8	323.5	3731	6.9	23	2.2	324.1	3744	650		
675	8.2	56	5.7	332.8	3422	8.4	39	4.0	327.8	3415	8.6	55	5.7	333.3	3419	9.2	47	5.0	332.0	3433	675		
700	9.9	48	5.2	329.7	3120	9.1	38	3.9	325.0	3114	10.3	47	5.3	330.5	3117	10.7	54	6.2	333.8	3130	700		
725	8.3	38	3.6	319.9	2828	9.8	36	3.8	322.2	2823	12.3	29	3.6	324.7	2824	12.0	50	6.1	331.6	2837	725		
750	11.9	95	11.2	342.9	2546	11.1	31	3.4	319.4	2541	12.9	81	10.1	341.1	2539	13.1	45	5.7	328.3	2552	750		
775	13.2	95	11.8	342.8	2270	13.0	24	2.9	317.1	2266	14.1	88	11.5	343.2	2262	14.0	54	7.0	330.2	2276	775		
800	14.3	96	12.4	342.8	2001	15.3	20	2.7	316.2	1998	15.2	95	13.0	345.4	1993	16.9	20	3.0	318.7	2006	800		
825	15.5	96	13.0	342.8	1740	16.6	17	2.5	314.1	1737	16.4	88	12.6	342.7	1730	17.3	33	5.0	322.3	1744	825		
850	16.6	97	13.6	342.8	1485	17.9	15	2.2	312.1	1483	17.7	74	11.2	337.5	1475	17.6	49	7.3	326.6	1489	850		
875	17.9	96	14.4	343.6	1236	19.2	14	2.2	310.7	1235	16.3	87	11.7	334.3	1228	18.0	66	9.9	331.5	1241	875		
900	19.6	95	15.4	345.6	993	20.6	16	2.7	311.2	993	18.8	97	14.8	343.0	986	19.3	70	11.1	333.5	999	900		
925	21.3	94	16.3	347.7	755	21.9	18	3.2	311.7	757	20.7	93	15.7	345.1	748	20.5	74	12.3	335.7	762	925		
950	22.9	92	17.3	349.7	523	22.6	50	9.0	326.5	525	22.6	90	16.6	347.2	516	21.9	76	13.3	337.4	530	950		
975	24.5	91	18.3	351.8	294	22.9	97	17.8	348.2	298	24.4	87	17.4	349.2	288	23.5	73	13.8	338.0	303	975		
1000	25.7	92	19.5	353.7	71	24.5	99	19.4	351.9	76	25.7	89	18.8	351.9	64	26.5	78	17.2	348.7	81	1000		
SFC.	25.8	94	19.9	354.1	0	25.0	99	20.0	353.2	0	25.8	92	19.5	353.1	0	27.8	81	19.2	355.0	0	SFC.		
				SURFACE PRESSURE	1008.0				SURFACE PRESSURE	1008.6				SURFACE PRESSURE	1007.3				SURFACE PRESSURE	1009.1			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

P	3/11 2353 GMT					3/12 235 GMT					3/12 6 0 GMT					3/12 1150 GMT					P
	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	
60	-65.1	0	0.0	465.2	19559	-65.8	0	0.0	463.6	19453	0.0	0	0.0	0.0	0	-64.9	0	0.0	465.7	19444	60
70	-70.3	0	0.0	433.9	18633	-72.3	18	.0	429.8	18532	0.0	0	0.0	0.0	0	-72.3	0	0.0	429.8	18520	70
80	-75.1	0	0.0	407.9	17846	-79.0	18	.0	399.8	17761	0.0	0	0.0	0.0	0	-78.7	0	0.0	400.4	17747	80
90	-79.6	0	0.0	385.5	17173	-80.7	18	.0	383.2	17096	0.0	0	0.0	0.0	0	-81.6	30	.0	381.5	17084	90
100	-78.4	15	.0	376.3	16575	-80.5	19	.0	372.1	16502	0.0	0	0.0	0.0	0	-80.8	30	.0	371.6	16492	100
110	-77.1	15	.0	368.6	16029	-79.0	19	.0	365.0	15962	0.0	0	0.0	0.0	0	-77.3	30	.0	368.3	15949	110
120	-74.6	15	.0	364.2	15527	-77.1	19	.0	359.6	15465	0.0	0	0.0	0.0	0	-77.9	30	.0	358.1	15451	120
130	-71.5	15	.0	361.5	15058	-73.3	18	.0	358.2	15001	0.0	0	0.0	0.0	0	-74.9	30	.0	355.4	14991	130
140	-69.7	15	.0	357.1	14618	-70.1	18	.0	356.3	14564	0.0	0	0.0	0.0	0	-71.2	30	.0	354.4	14556	140
150	-67.0	15	.0	354.7	14204	-68.2	18	.0	352.6	14152	0.0	0	0.0	0.0	0	-67.8	30	.0	353.3	14145	150
160	-64.1	15	.0	353.0	13812	-64.9	18	.0	351.7	13762	0.0	0	0.0	0.0	0	-65.1	30	.0	351.5	13754	160
170	-61.5	16	.0	351.4	13438	-61.4	18	.0	351.5	13389	0.0	0	0.0	0.0	0	-63.1	30	.0	348.7	13383	170
180	-59.0	16	.0	349.8	13082	-59.3	18	.0	349.3	13033	0.0	0	0.0	0.0	0	-60.8	30	.0	346.8	13029	180
190	-56.3	16	.0	348.9	12741	-57.6	19	.0	346.7	12693	0.0	0	0.0	0.0	0	-58.0	32	.0	346.0	12691	190
200	-53.5	16	.0	348.2	12413	-54.8	19	.0	346.2	12367	0.0	0	0.0	0.0	0	-55.4	33	.0	345.2	12366	200
225	-47.0	16	.0	346.6	11644	-48.2	20	.0	344.8	11602	0.0	0	0.0	0.0	0	-49.1	36	.1	343.5	11604	225
250	-41.3	17	.1	345.0	10937	-42.4	20	.1	343.3	10899	0.0	0	0.0	0.0	0	-42.6	28	.1	343.2	10903	250
275	-36.1	17	.1	343.4	10283	-36.6	22	.1	342.7	10247	0.0	0	0.0	0.0	0	-37.1	M	M	M	10251	275
300	-30.6	37	.4	343.7	9672	-32.9	16	.1	339.5	9639	0.0	0	0.0	0.0	0	-32.9	M	M	M	9645	300
325	-26.7	40	.5	342.0	9099	-28.3	68	.8	340.6	9071	0.0	0	0.0	0.0	0	-28.5	M	M	M	9076	325
350	-22.9	41	.7	340.7	8560	-24.3	78	1.2	340.3	8535	0.0	0	0.0	0.0	0	-24.3	M	M	M	8541	350
375	-19.4	44	1.0	339.5	8051	-21.0	73	1.4	338.9	8028	0.0	0	0.0	0.0	0	-20.5	M	M	M	8034	375
400	-17.2	17	.4	334.3	7569	-17.7	51	1.2	336.3	7548	0.0	0	0.0	0.0	0	-17.5	18	.4	333.9	7554	400
425	-13.1	14	.5	333.9	7111	-14.0	35	1.0	334.8	7092	-14.7	44	1.3	334.7	7092	-14.2	44	1.3	335.5	7097	425
450	-9.1	13	.6	334.0	6673	-10.6	27	1.0	333.7	6655	-11.4	43	1.5	334.3	6656	-10.4	39	1.5	335.5	6660	450
475	-6.0	18	.9	333.9	6251	-8.1	29	1.3	332.5	6236	-8.2	41	1.8	334.0	6239	-6.8	10	.5	331.4	6241	475
500	-5.3	33	1.7	332.5	5850	-6.6	46	2.1	332.3	5837	-5.5	36	1.8	332.7	5838	-3.0	M	M	M	5838	500
525	-2.3	14	.9	328.8	5464	-3.3	12	.7	327.0	5454	-3.2	29	1.7	330.5	5454	-1.5	11	.7	329.2	5450	525
550	.0	14	.9	327.5	5094	-.9	12	.8	325.9	5084	-1.7	22	1.4	326.9	5084	-.4	20	1.4	328.4	5080	550
575	2.2	13	1.0	326.3	4736	1.5	12	.9	325.0	4728	.2	16	1.1	324.1	4730	1.4	21	1.5	326.9	4723	575
600	4.2	13	1.1	324.9	4392	3.7	13	1.0	324.1	4384	3.0	14	1.1	323.6	4387	3.5	20	1.6	325.7	4379	600
625	6.1	12	1.1	323.4	4059	5.8	13	1.2	323.3	4052	5.6	14	1.3	323.3	4055	5.5	19	1.7	324.5	4047	625
650	8.3	25	2.6	327.2	3737	7.8	17	1.7	323.5	3730	7.5	20	2.0	324.3	3733	6.6	29	2.7	325.2	3726	650
675	10.6	43	5.1	333.9	3423	9.5	31	3.4	327.4	3418	9.3	26	2.9	325.6	3422	7.9	26	2.6	322.9	3415	675
700	12.0	43	5.5	333.2	3119	11.1	45	5.3	331.6	3115	11.1	32	3.8	327.1	3119	9.3	51	5.4	329.6	3115	700
725	13.4	44	5.8	332.5	2824	13.4	41	5.4	331.3	2821	12.8	38	4.8	328.9	2825	10.5	72	7.9	335.1	2823	725
750	14.1	59	8.0	336.3	2538	15.1	34	4.8	328.2	2534	13.6	34	4.4	325.2	2540	11.6	73	8.4	334.5	2539	750
775	15.3	14	2.0	316.9	2261	16.2	23	3.4	322.1	2256	12.5	92	10.9	339.4	2264	13.8	85	10.9	341.0	2263	775
800	12.3	58	6.5	323.8	1994	16.0	54	7.7	331.6	1987	14.4	94	12.2	342.5	1996	14.8	83	11.0	339.6	1994	800
825	15.4	85	11.3	338.0	1733	16.2	78	11.0	338.1	1725	16.4	93	13.3	345.0	1734	15.6	81	11.0	337.4	1732	825
850	17.1	90	13.0	341.8	1478	17.3	82	12.0	339.4	1469	17.5	84	12.6	341.1	1478	17.5	80	11.9	339.3	1477	850
875	18.4	92	14.2	343.7	1230	18.7	81	12.6	339.8	1220	18.5	78	12.0	337.9	1229	18.7	79	12.4	339.1	1228	875
900	19.8	85	13.9	341.8	986	20.0	80	13.2	340.3	977	19.7	82	13.2	339.9	986	19.8	79	12.8	339.0	985	900
925	21.3	91	16.0	346.8	749	21.4	79	13.8	340.9	739	20.8	86	14.5	342.1	749	21.0	78	13.3	338.9	748	925
950	23.4	82	15.9	346.5	516	23.2	78	14.9	343.3	507	22.0	90	15.9	344.4	517	22.2	91	16.5	346.4	516	950
975	25.4	74	15.7	345.7	287	25.0	77	15.9	345.8	278	23.5	90	17.1	347.2	289	23.8	97	18.8	352.1	288	975
1000	27.4	72	16.8	348.7	63	26.1	77	16.7	346.7	55	25.7	86	18.3	350.5	66	25.6	97	20.4	356.2	64	1000
SFC.	28.0	79	19.0	354.8	0	25.3	80	16.4	344.1	0	26.4	85	18.6	351.5	0	26.1	97	20.9	357.5	0	SFC.
				SURFACE PRESSURE	1007.1				SURFACE PRESSURE	1006.2				SURFACE PRESSURE	1007.5				SURFACE PRESSURE	1007.3	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/12 18 0 GMT						3/12 2345 GMT				3/13 630 GMT				3/13 1242 GMT				P				
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	0.0	0	0.0	0.0	0	-64.2	0	0.0	467.2	19456	0.0	0	0.0	0.0	0	-62.1	0	0.0	472.0	19506	60	
70	0.0	0	0.0	0.0	0	-71.9	16	.0	430.6	18532	0.0	0	0.0	0.0	0	-71.4	0	0.0	431.7	18566	70	
80	0.0	0	0.0	0.0	0	-73.3	16	.0	411.6	17746	0.0	0	0.0	0.0	0	-77.8	0	0.0	402.4	17790	80	
90	0.0	0	0.0	0.0	0	-80.9	16	.0	382.8	17070	0.0	0	0.0	0.0	0	-81.3	15	.0	382.1	17124	90	
100	0.0	0	0.0	0.0	0	-81.5	16	.0	370.3	16478	0.0	0	0.0	0.0	0	-81.4	15	.0	370.5	16532	100	
110	0.0	0	0.0	0.0	0	-80.1	20	.0	363.0	15941	0.0	0	0.0	0.0	0	-81.0	15	.0	361.3	15997	110	
120	0.0	0	0.0	0.0	0	-76.0	19	.0	361.6	15444	0.0	0	0.0	0.0	0	-77.1	15	.0	359.6	15502	120	
130	0.0	0	0.0	0.0	0	-72.2	18	.0	360.2	14977	0.0	0	0.0	0.0	0	-73.4	15	.0	358.0	15038	130	
140	0.0	0	0.0	0.0	0	-68.7	17	.0	358.8	14537	0.0	0	0.0	0.0	0	-70.1	15	.0	356.3	14601	140	
150	0.0	0	0.0	0.0	0	-66.2	16	.0	356.1	14121	0.0	0	0.0	0.0	0	-66.8	14	.0	355.1	14188	150	
160	0.0	0	0.0	0.0	0	-64.8	16	.0	351.9	13729	0.0	0	0.0	0.0	0	-63.7	14	.0	353.8	13795	160	
170	0.0	0	0.0	0.0	0	-62.4	16	.0	349.8	13357	0.0	0	0.0	0.0	0	-60.8	13	.0	352.5	13420	170	
180	0.0	0	0.0	0.0	0	-60.2	16	.0	347.8	13002	0.0	0	0.0	0.0	0	-58.1	12	.0	351.3	13063	180	
190	0.0	0	0.0	0.0	0	-57.8	16	.0	346.3	12664	0.0	0	0.0	0.0	0	-55.7	12	.0	349.6	12720	190	
200	0.0	0	0.0	0.0	0	-55.0	16	.0	345.7	12338	0.0	0	0.0	0.0	0	-54.5	12	.0	346.5	12393	200	
225	0.0	0	0.0	0.0	0	-48.6	16	.0	344.2	11574	0.0	0	0.0	0.0	0	-48.8	10	.0	343.8	11629	225	
250	0.0	0	0.0	0.0	0	-43.4	15	.0	341.8	10873	0.0	0	0.0	0.0	0	-42.7	10	.0	342.8	10928	250	
275	0.0	0	0.0	0.0	0	-38.4	14	.1	339.8	10225	0.0	0	0.0	0.0	0	-36.6	10	.1	342.4	10276	275	
300	0.0	0	0.0	0.0	0	-33.1	13	.1	339.2	9620	0.0	0	0.0	0.0	0	-31.1	10	.1	342.0	9667	300	
325	0.0	0	0.0	0.0	0	-28.1	12	.1	338.6	9052	0.0	0	0.0	0.0	0	-26.1	10	.1	341.3	9093	325	
350	0.0	0	0.0	0.0	0	-25.4	12	.2	335.2	8516	0.0	0	0.0	0.0	0	-22.4	10	.2	339.4	8553	350	
375	0.0	0	0.0	0.0	0	-21.2	13	.2	334.5	8011	0.0	0	0.0	0.0	0	-18.9	10	.2	337.6	8043	375	
400	-16.6	10	.3	334.5	7605	-17.2	13	.3	333.9	7531	-16.1	10	.3	335.2	7562	-15.6	10	.3	335.8	7559	400	
425	-13.8	19	.6	333.4	7147	-13.9	12	.4	332.6	7073	-12.7	10	.3	334.0	7102	-12.3	10	.3	334.5	7099	425	
450	-9.7	15	.6	333.4	6709	-11.1	12	.4	330.9	6637	-9.5	10	.4	332.9	6663	-9.3	10	.4	333.2	6660	450	
475	-5.7	11	.6	333.1	6289	-8.5	12	.5	329.4	6220	-8.3	10	.4	329.4	6245	-8.2	10	.4	329.4	6240	475	
500	-3.1	10	.6	331.6	5885	-6.0	12	.6	327.9	5820	-5.8	10	.5	327.8	5844	-5.4	10	.5	328.3	5840	500	
525	-1.5	12	.8	329.4	5497	-3.6	12	.7	326.6	5436	-3.3	10	.6	326.6	5460	-3.5	10	.6	326.3	5456	525	
550	.6	16	1.2	328.9	5125	-2.2	22	1.3	326.0	5058	-.9	10	.6	325.4	5091	-1.2	18	1.1	326.6	5087	550	
575	2.1	14	1.1	326.2	4768	-.1	14	.9	323.1	4714	.6	10	.7	323.2	4735	.8	10	.7	323.6	4731	575	
600	4.4	13	1.1	325.2	4423	2.0	14	1.0	322.1	4372	2.7	10	.8	322.0	4393	2.6	11	.9	322.2	4388	600	
625	6.7	12	1.2	324.2	4089	4.1	14	1.1	321.1	4042	4.0	41	3.3	327.9	4062	4.4	16	1.3	322.0	4057	625	
650	8.6	14	1.5	324.0	3767	6.0	17	1.5	320.9	3722	6.5	20	1.8	322.5	3742	6.3	34	3.1	326.3	3737	650	
675	10.4	17	1.9	323.9	3454	7.6	29	2.8	323.1	3412	8.6	37	3.9	327.8	3431	8.5	21	2.2	322.5	3426	675	
700	12.0	25	3.2	326.1	3151	9.1	37	3.8	324.8	3111	9.8	55	6.0	332.2	3129	10.0	31	3.4	324.7	3125	700	
725	13.1	37	4.8	329.2	2856	10.6	37	4.1	324.0	2820	11.2	25	2.9	321.0	2837	12.9	11	1.4	318.3	2832	725	
750	14.5	40	5.5	329.4	2570	13.1	21	2.7	319.5	2536	12.7	73	9.0	337.6	2552	14.2	25	3.4	322.8	2547	750	
775	16.0	50	7.4	333.8	2292	14.3	37	4.9	324.4	2260	14.3	67	8.8	335.9	2276	14.8	69	9.5	338.4	2270	775	
800	18.1	37	6.1	329.4	2021	14.9	59	7.8	330.6	1992	16.1	73	10.6	339.9	2006	15.7	86	12.1	343.8	2000	800	
825	18.0	75	11.8	342.6	1758	16.1	60	8.4	330.5	1730	16.1	80	11.2	338.6	1743	17.0	85	12.7	343.8	1737	825	
850	18.7	83	13.4	344.9	1501	17.2	61	8.9	330.4	1476	17.1	98	14.3	345.5	1488	18.5	73	11.5	339.4	1481	850	
875	19.9	83	13.9	345.0	1251	18.3	62	9.4	330.4	1227	18.7	97	15.1	346.7	1239	19.0	92	14.6	345.8	1231	875	
900	21.1	81	14.3	344.6	1006	19.3	65	10.2	331.1	985	20.1	96	16.0	348.0	996	20.4	93	15.8	348.0	987	900	
925	22.4	81	15.2	346.0	768	20.2	69	11.3	332.4	748	21.6	94	16.8	349.3	757	21.9	92	16.6	349.3	749	925	
950	23.7	84	16.5	348.5	534	21.3	73	12.3	333.9	517	23.0	93	17.6	350.6	524	23.4	90	17.4	350.6	515	950	
975	25.0	86	17.9	351.2	305	23.1	70	13.0	335.5	291	24.3	92	18.5	351.9	296	24.9	88	18.2	351.9	287	975	
1000	26.2	88	19.3	354.0	81	27.1	74	16.9	348.5	68	25.7	91	19.3	353.3	72	26.3	86	19.0	353.2	63	1000	
SFC.	26.7	89	19.3	355.1	0	29.4	78	20.4	360.5	0	26.1	91	19.6	353.7	0	26.7	86	19.2	353.5	0	SFC.	
					SURFACE PRESSURE 1009.2					SURFACE PRESSURE 1007.7					SURFACE PRESSURE 1008.2						SURFACE PRESSURE 1007.1	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

P	T	3/13 1745 GMT				H	3/14 010 GMT					3/14 250 GMT					3/14 610 GMT					P	
		RH	W	EPT			T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H		
60	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-62.0	0	0.0	472.1	19457	0.0	0	0.0	0.0	0	0	60	
70	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-65.1	15	.0	445.3	18509	0.0	0	0.0	0.0	0	0	70	
80	0.0	0	0.0	0.0	0	-79.9	14	.0	398.0	17838	-78.1	15	.0	401.6	17723	0.0	0	0.0	0.0	0	0	80	
90	0.0	0	0.0	0.0	0	-78.3	14	.0	388.0	17229	-82.4	15	.0	379.8	17063	0.0	0	0.0	0.0	0	0	90	
100	0.0	0	0.0	0.0	0	-76.9	14	.0	379.2	16626	-80.2	15	.0	372.8	16471	0.0	0	0.0	0.0	0	0	100	
110	0.0	0	0.0	0.0	0	-78.5	14	.0	366.0	16081	-81.1	15	.0	361.0	15934	0.0	0	0.0	0.0	0	0	110	
120	0.0	0	0.0	0.0	0	-74.3	14	.0	364.8	15579	-78.1	15	.0	357.6	15442	0.0	0	0.0	0.0	0	0	120	
130	0.0	0	0.0	0.0	0	-70.4	14	.0	363.4	15109	-74.5	15	.0	356.1	14981	0.0	0	0.0	0.0	0	0	130	
140	0.0	0	0.0	0.0	0	-68.4	14	.0	359.3	14666	-71.1	15	.0	354.6	14546	0.0	0	0.0	0.0	0	0	140	
150	0.0	0	0.0	0.0	0	-66.4	14	.0	355.8	14251	-67.9	15	.0	353.1	14134	0.0	0	0.0	0.0	0	0	150	
160	0.0	0	0.0	0.0	0	-63.0	14	.0	354.9	13857	-64.8	15	.0	351.9	13743	0.0	0	0.0	0.0	0	0	160	
170	0.0	0	0.0	0.0	0	-59.9	13	.0	354.0	13481	-61.9	14	.0	350.7	13371	0.0	0	0.0	0.0	0	0	170	
180	0.0	0	0.0	0.0	0	-57.0	13	.0	353.1	13122	-59.2	14	.0	349.4	13015	0.0	0	0.0	0.0	0	0	180	
190	0.0	0	0.0	0.0	0	-54.2	12	.0	352.2	12777	-56.6	14	.0	348.2	12674	0.0	0	0.0	0.0	0	0	190	
200	0.0	0	0.0	0.0	0	-51.6	12	.0	351.2	12446	-54.2	14	.0	347.1	12347	0.0	0	0.0	0.0	0	0	200	
225	0.0	0	0.0	0.0	0	-47.3	12	.0	346.2	11675	-48.3	13	.0	344.6	11582	0.0	0	0.0	0.0	0	0	225	
250	0.0	0	0.0	0.0	0	-41.1	11	.0	345.1	10968	-42.3	12	.0	343.4	10879	0.0	0	0.0	0.0	0	0	250	
275	0.0	0	0.0	0.0	0	-35.6	11	.1	344.0	10313	-36.9	12	.1	342.1	10227	0.0	0	0.0	0.0	0	0	275	
300	0.0	0	0.0	0.0	0	-30.5	11	.1	342.8	9761	-32.0	11	.1	340.8	9619	0.0	0	0.0	0.0	0	0	300	
325	0.0	0	0.0	0.0	0	-25.9	10	.1	341.6	9127	-27.4	11	.1	339.5	9048	0.0	0	0.0	0.0	0	0	325	
350	0.0	0	0.0	0.0	0	-21.6	10	.2	340.5	8586	-23.2	11	.2	338.2	8510	-22.5	12	.2	339.3	8589	0	350	
375	0.0	0	0.0	0.0	0	-17.4	10	.3	339.6	8073	-19.3	10	.2	337.0	8001	-18.0	12	.3	339.0	8078	0	375	
400	-16.1	10	.3	335.2	7572	-15.0	10	.3	336.7	7587	-15.6	10	.3	335.8	7518	-13.8	12	.4	338.6	7591	0	400	
425	-12.8	10	.3	333.8	7112	-11.6	10	.4	335.5	7126	-13.3	10	.3	333.2	7059	-12.6	12	.4	334.4	7131	0	425	
450	-9.7	10	.4	332.6	6674	-8.4	10	.4	334.4	6685	-10.5	10	.4	331.5	6621	-9.6	12	.5	333.1	6692	0	450	
475	-6.7	10	.5	331.5	6254	-6.2	10	.5	332.2	6264	-7.9	10	.4	329.9	6203	-7.0	12	.6	331.5	6273	0	475	
500	-6.0	13	.6	328.1	5853	-4.3	10	.6	330.0	5862	-5.4	10	.5	328.4	5803	-4.6	12	.7	329.9	5871	0	500	
525	-2.9	11	.7	327.4	5469	-1.7	13	.8	329.4	5476	-4.0	16	.9	326.7	5419	-2.3	12	.7	328.4	5485	0	525	
550	-1.5	15	.9	325.6	5099	.7	11	.8	327.9	5104	-1.5	12	.7	325.0	5051	-.0	15	1.0	327.8	5114	0	550	
575	1.7	15	1.1	325.8	4743	2.5	20	1.6	328.4	4746	.4	40	2.8	329.7	4695	2.1	19	1.4	327.5	4757	0	575	
600	3.4	13	1.1	323.8	4399	4.2	29	2.5	329.3	4401	2.5	33	2.5	327.4	4352	4.1	22	1.9	327.4	4412	0	600	
625	4.4	25	2.1	324.3	4068	5.4	46	4.1	332.0	4068	4.1	33	2.7	325.9	4021	6.1	25	2.4	327.4	4079	0	625	
650	6.0	36	3.2	326.3	3748	7.1	29	2.9	326.5	3746	5.6	32	2.8	324.5	3702	8.0	28	2.9	327.7	3757	0	650	
675	8.2	37	3.7	326.8	3437	9.8	26	2.9	326.3	3434	7.0	32	3.0	323.2	3392	9.8	31	3.5	328.1	3444	0	675	
700	10.3	31	3.4	324.9	3136	11.4	29	3.5	326.5	3132	8.4	44	4.3	325.2	3092	11.6	34	4.2	328.7	3141	0	700	
725	12.0	36	4.3	326.4	2843	13.2	27	3.6	325.5	2838	8.6	25	2.4	316.7	2802	13.2	37	4.9	329.4	2847	0	725	
750	14.1	45	6.0	330.7	2558	14.9	25	3.6	324.2	2552	9.8	30	3.0	316.7	2522	14.4	42	5.8	330.4	2561	0	750	
775	14.9	69	9.6	338.7	2280	15.9	38	5.5	328.1	2274	11.7	49	5.5	323.1	2248	14.8	87	12.0	345.5	2283	0	775	
800	15.5	87	12.1	343.5	2011	16.7	54	8.1	333.5	2004	13.7	75	9.4	333.5	1981	16.1	88	12.8	346.1	2013	0	800	
825	16.7	92	13.4	345.6	1748	17.5	70	10.8	339.1	1741	15.2	81	10.7	336.2	1721	17.3	89	13.5	346.7	1749	0	825	
850	17.9	93	14.4	346.7	1492	18.8	75	12.1	341.5	1484	16.1	78	10.5	333.7	1466	18.5	90	14.3	347.3	1493	0	850	
875	19.2	95	15.3	347.9	1242	20.3	74	12.8	342.3	1234	16.9	74	10.3	331.3	1219	19.4	92	15.1	347.5	1243	0	875	
900	20.4	96	16.3	349.1	998	21.8	73	13.5	343.2	989	18.6	96	14.6	342.3	977	20.1	95	15.9	347.8	999	0	900	
925	21.5	97	17.3	350.5	760	23.2	72	14.2	344.2	750	19.9	97	15.5	343.5	740	22.1	92	16.9	350.3	760	0	925	
950	22.5	98	18.0	350.9	527	24.6	72	14.9	345.1	516	21.9	94	16.6	346.3	509	24.0	89	18.0	352.9	527	0	950	
975	23.6	96	18.5	350.9	299	25.9	71	15.6	346.1	287	24.6	88	17.7	350.2	281	25.9	87	19.0	355.4	297	0	975	
1000	25.5	92	19.1	352.5	76	27.7	79	18.8	354.5	62	27.1	82	18.8	353.8	57	26.8	83	18.6	353.0	73	0	1000	
SFC.	26.1	90	19.3	353.0	0	28.3	82	20.1	358.3	0	27.8	80	19.0	354.7	0	26.7	81	18.0	350.2	0	0	SFC.	
				SURFACE PRESSURE	1008.6				SURFACE PRESSURE	1007.0				SURFACE PRESSURE	1006.4				SURFACE PRESSURE	1008.2			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/14 1155 GMT						3/14 15 0 GMT				3/14 18 0 GMT				3/14 2130 GMT								
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P						
60	0.0	0	0.0	0.0	0	-65.0	0	0.0	465.4	19510	0.0	0	0.0	0.0	0	-66.2	0	0.0	462.7	19536	60	
70	0.0	0	0.0	0.0	0	-68.3	10	.0	438.4	18571	0.0	0	0.0	0.0	0	-67.7	0	0.0	439.6	18602	70	
80	0.0	0	0.0	0.0	0	-73.3	10	.0	411.6	17780	0.0	0	0.0	0.0	0	-73.3	13	.0	411.7	17808	80	
90	0.0	0	0.0	0.0	0	-80.8	10	.0	383.0	17107	0.0	0	0.0	0.0	0	-82.4	14	.0	379.7	17138	90	
100	0.0	0	0.0	0.0	0	-79.9	10	.0	373.4	16512	0.0	0	0.0	0.0	0	-80.8	13	.0	371.6	16547	100	
110	0.0	0	0.0	0.0	0	-78.5	10	.0	365.9	15971	0.0	0	0.0	0.0	0	-79.6	13	.0	364.0	16008	110	
120	0.0	0	0.0	0.0	0	-77.3	10	.0	359.2	15473	0.0	0	0.0	0.0	0	-77.1	13	.0	359.5	15512	120	
130	0.0	0	0.0	0.0	0	-74.9	10	.0	355.4	15012	0.0	0	0.0	0.0	0	-74.0	13	.0	356.9	15049	130	
140	0.0	0	0.0	0.0	0	-71.5	10	.0	353.9	14578	0.0	0	0.0	0.0	0	-71.2	13	.0	354.4	14614	140	
150	0.0	0	0.0	0.0	0	-68.2	10	.0	352.7	14167	0.0	0	0.0	0.0	0	-68.0	13	.0	353.0	14203	150	
160	0.0	0	0.0	0.0	0	-64.8	10	.0	351.9	13777	0.0	0	0.0	0.0	0	-64.6	13	.0	352.3	13812	160	
170	0.0	0	0.0	0.0	0	-61.7	10	.0	351.0	13404	0.0	0	0.0	0.0	0	-61.4	13	.0	351.5	13439	170	
180	0.0	0	0.0	0.0	0	-58.8	10	.0	350.1	13048	0.0	0	0.0	0.0	0	-58.4	12	.0	350.7	13082	180	
190	0.0	0	0.0	0.0	0	-56.0	10	.0	349.2	12706	0.0	0	0.0	0.0	0	-55.6	12	.0	349.8	12740	190	
200	0.0	0	0.0	0.0	0	-53.4	10	.0	348.4	12378	0.0	0	0.0	0.0	0	-52.9	12	.0	349.0	12411	200	
225	0.0	0	0.0	0.0	0	-47.3	10	.0	346.1	11609	0.0	0	0.0	0.0	0	-46.8	12	.0	347.0	11641	225	
250	0.0	0	0.0	0.0	0	-41.6	10	.0	344.5	10904	0.0	0	0.0	0.0	0	-41.1	12	.0	345.2	10934	250	
275	0.0	0	0.0	0.0	0	-36.2	10	.1	343.1	10250	0.0	0	0.0	0.0	0	-36.0	11	.1	343.4	10279	275	
300	0.0	0	0.0	0.0	0	-31.3	10	.1	341.6	9640	0.0	0	0.0	0.0	0	-31.5	11	.1	341.4	9669	300	
325	0.0	0	0.0	0.0	0	-26.8	10	.1	340.2	9068	0.0	0	0.0	0.0	0	-27.7	11	.1	339.1	9098	325	
350	0.0	0	0.0	0.0	0	-22.7	10	.2	338.9	8529	0.0	0	0.0	0.0	0	-23.9	11	.2	337.3	8561	350	
375	0.0	0	0.0	0.0	0	-18.8	10	.2	337.6	8019	-19.7	10	.2	336.4	8046	-19.4	10	.2	336.9	8053	375	
400	0.0	0	0.0	0.0	0	-15.2	10	.3	336.4	7534	-15.0	10	.3	336.7	7562	-15.2	10	.3	336.4	7569	400	
425	-14.5	13	.4	331.8	7060	-13.1	10	.3	333.4	7074	-12.0	10	.4	335.0	7101	-11.8	10	.4	335.2	7108	425	
450	-11.6	14	.5	330.5	6624	-10.7	10	.4	331.3	6637	-9.8	10	.4	332.4	6662	-9.9	10	.4	332.3	6669	450	
475	-8.9	15	.6	329.2	6208	-8.3	10	.4	329.3	6219	-7.2	10	.5	330.9	6243	-7.6	15	.7	331.1	6250	475	
500	-6.8	17	.8	327.6	5809	-6.2	10	.5	327.3	5820	-4.2	11	.6	330.2	5841	-4.6	12	.7	329.9	5849	500	
525	-4.5	18	.9	326.4	5427	-4.1	10	.5	325.5	5437	-1.8	12	.7	329.0	5455	-2.1	13	.8	328.9	5463	525	
550	-2.3	20	1.2	325.5	5059	-1.4	10	.6	324.7	5068	.1	12	.8	327.2	5084	-.2	19	1.3	328.3	5092	550	
575	-.6	24	1.5	324.5	4705	.5	10	.7	323.0	4713	.9	16	1.1	325.0	4727	1.2	43	3.1	331.8	4736	575	
600	1.2	27	1.9	323.7	4363	2.4	10	.8	321.7	4371	1.9	28	2.1	325.3	4385	2.0	46	3.3	329.3	4393	600	
625	2.8	30	2.2	323.1	4034	4.2	19	1.6	322.5	4040	2.9	34	2.6	324.2	4055	3.7	30	2.4	324.6	4062	625	
650	4.7	38	3.1	324.3	3716	5.8	26	2.3	323.1	3720	4.2	24	1.9	320.1	3737	6.3	28	2.5	324.5	3742	650	
675	6.6	48	4.3	326.8	3407	7.6	30	2.9	323.6	3411	6.4	36	3.2	323.1	3429	8.6	15	1.5	320.4	3432	675	
700	9.1	27	2.8	321.5	3107	10.0	13	1.4	318.3	3110	8.0	27	2.6	319.7	3130	10.9	14	1.6	320.1	3130	700	
725	10.2	47	5.1	326.4	2815	11.8	22	2.6	320.9	2818	9.9	58	6.2	329.3	2839	12.7	19	2.4	321.4	2837	725	
750	11.8	52	5.9	327.6	2532	13.6	30	3.9	323.9	2533	10.7	62	6.7	328.4	2556	14.1	28	3.8	323.9	2552	750	
775	13.5	67	8.4	333.7	2257	14.8	45	6.2	328.8	2256	12.3	90	10.6	338.3	2282	15.6	25	3.6	322.0	2275	775	
800	14.2	73	9.3	333.8	1988	13.6	76	9.4	333.4	1988	14.0	94	11.9	341.0	2014	16.9	28	4.2	322.4	2005	800	
825	15.1	75	9.8	333.4	1728	15.4	99	13.3	343.6	1727	15.9	96	13.3	344.1	1752	14.3	48	6.0	321.9	1744	825	
850	15.5	90	11.8	336.5	1474	16.7	96	13.6	343.0	1472	17.6	98	14.8	347.5	1496	15.8	62	8.3	327.3	1491	850	
875	17.0	89	12.5	337.4	1226	18.1	86	13.0	340.2	1223	19.1	98	15.7	348.8	1247	17.8	78	11.5	335.5	1243	875	
900	18.7	78	11.8	334.8	984	19.5	77	12.4	337.2	981	19.9	95	15.7	346.9	1003	19.8	83	13.5	340.8	1001	900	
925	20.4	70	11.5	333.2	748	20.8	84	14.2	341.2	743	20.8	92	15.6	344.9	765	21.2	80	13.8	340.6	763	925	
950	21.7	78	13.5	337.8	516	22.2	91	16.4	346.1	511	22.3	88	16.0	345.2	533	23.4	72	13.8	340.7	530	950	
975	23.2	89	16.6	345.3	290	24.2	86	17.0	347.7	284	24.1	85	16.6	346.6	305	24.8	70	14.4	341.4	302	975	
1000	25.1	88	18.0	349.0	67	26.1	81	17.6	349.1	60	25.9	81	17.3	348.1	82	26.9	73	16.6	347.6	79	1000	
SFC.	25.7	88	18.5	350.2	0	26.6	80	17.7	349.4	0	26.7	81	18.0	350.1	0	28.3	77	18.8	354.5	0	SFC.	
				SURFACE PRESSURE	1007.6				SURFACE PRESSURE	1006.8				SURFACE PRESSURE	1009.3				SURFACE PRESSURE	1008.9		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/15 0 8 GMT							3/15 3 0 GMT					3/15 556 GMT					3/15 851 GMT					P	
P	T	RH	W	EPT	H		T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	0.0	0	0.0	0.0	0		-65.3	0	0.0	464.8	19616	0.0	0	0.0	0.0	0	-65.8	0	0.0	463.6	19536	60	
70	0.0	0	0.0	0.0	0		-68.9	15	.0	437.2	18680	0.0	0	0.0	0.0	0	-65.5	0	0.0	444.4	18599	70	
80	0.0	0	0.0	0.0	0		-77.5	15	.0	402.9	17895	0.0	0	0.0	0.0	0	-75.3	29	.0	407.5	17803	80	
90	0.0	0	0.0	0.0	0		-79.8	15	.0	385.0	17223	0.0	0	0.0	0.0	0	-80.3	30	.0	384.1	17131	90	
100	-75.5	15	.0	381.9	16707		-80.2	15	.0	372.8	16627	0.0	0	0.0	0.0	0	-81.6	30	.0	370.1	16539	100	
110	-72.2	15	.0	377.8	16151		-77.5	15	.0	367.9	16085	0.0	0	0.0	0.0	0	-80.7	30	.0	361.7	16004	110	
120	-69.3	15	.0	373.9	15635		-75.0	15	.0	363.5	15583	0.0	0	0.0	0.0	0	-78.0	30	.0	357.9	15511	120	
130	-66.5	15	.0	370.4	15154		-72.4	15	.0	359.8	15116	0.0	0	0.0	0.0	0	-74.8	29	.0	355.5	15050	130	
140	-64.0	15	.0	367.1	14703		-69.1	14	.0	358.1	14676	0.0	0	0.0	0.0	0	-71.9	28	.0	353.1	14616	140	
150	-61.6	15	.0	364.1	14278		-66.0	14	.0	356.4	14261	0.0	0	0.0	0.0	0	-68.9	28	.0	351.5	14207	150	
160	-59.3	14	.0	361.2	13876		-62.7	14	.0	355.4	13866	0.0	0	0.0	0.0	0	-65.5	28	.0	350.7	13817	160	
170	-57.2	14	.0	358.5	13494		-59.6	13	.0	354.5	13490	0.0	0	0.0	0.0	0	-62.4	28	.0	349.9	13446	170	
180	-55.2	14	.0	356.0	13131		-56.7	13	.0	353.6	13130	0.0	0	0.0	0.0	0	-59.4	28	.0	349.2	13091	180	
190	-53.3	14	.0	353.6	12784		-53.9	13	.0	352.6	12785	0.0	0	0.0	0.0	0	-56.6	27	.0	348.3	12750	190	
200	-52.0	14	.0	350.5	12453		-51.3	13	.0	351.7	12454	0.0	0	0.0	0.0	0	-53.9	27	.0	347.5	12423	200	
225	-45.6	14	.0	348.8	11679		-45.2	12	.0	349.4	11678	0.0	0	0.0	0.0	0	-47.8	29	.1	345.6	11656	225	
250	-39.9	13	.1	347.1	10968		-39.5	12	.1	347.6	10966	0.0	0	0.0	0.0	0	-42.0	43	.2	344.3	10952	250	
275	-34.7	13	.1	345.3	10310		-34.4	12	.1	345.8	10307	0.0	0	0.0	0.0	0	-36.9	63	.4	343.3	10299	275	
300	-30.0	13	.1	343.7	9696		-29.6	11	.1	344.1	9692	0.0	0	0.0	0.0	0	-31.4	17	.2	341.8	9690	300	
325	-26.1	13	.2	341.5	9122		-25.3	11	.2	342.5	9116	0.0	0	0.0	0.0	0	-26.8	12	.2	340.3	9118	325	
350	-22.0	13	.2	340.1	8581		-21.4	11	.2	340.8	8574	0.0	0	0.0	0.0	0	-22.7	11	.2	339.0	8579	350	
375	-17.6	12	.3	339.6	8069		-17.6	10	.3	339.3	8062	0.0	0	0.0	0.0	0	-18.8	11	.2	337.7	8069	375	
400	-13.5	12	.4	339.0	7583		-13.8	10	.3	338.4	7575	-15.7	12	.3	335.9	7563	-15.2	10	.3	336.5	7585	400	
425	-11.0	13	.5	336.9	7119		-10.6	11	.4	337.1	7112	-12.2	12	.4	335.0	7103	-11.9	10	.4	335.2	7124	425	
450	-8.3	14	.6	335.1	6678		-9.1	13	.5	333.9	6671	-10.5	15	.6	332.2	6665	-11.0	11	.4	331.0	6685	450	
475	-5.6	14	.7	333.7	6256		-6.3	12	.6	332.6	6251	-8.2	18	.8	330.7	6247	-7.7	11	.5	330.3	6268	475	
500	-3.1	13	.8	332.2	5852		-3.1	11	.7	331.7	5848	-5.1	15	.8	329.8	5846	-4.7	12	.6	329.7	5867	500	
525	-.7	13	.9	330.9	5465		-.4	10	.7	330.5	5460	-2.0	12	.8	328.8	5461	-2.0	13	.8	329.0	5481	525	
550	1.6	13	1.0	329.6	5092		.7	11	.8	327.9	5087	-1.1	16	1.1	327.8	5090	-1.0	27	1.8	329.0	5111	550	
575	2.7	19	1.5	328.4	4733		2.8	14	1.1	327.3	4729	1.6	19	1.4	326.9	4733	1.1	38	2.7	330.4	4754	575	
600	3.1	39	3.1	330.0	4388		3.2	42	3.3	330.9	4385	2.0	44	3.2	328.9	4390	3.0	31	2.5	327.9	4411	600	
625	5.3	31	2.8	327.8	4056		4.8	33	2.9	327.4	4053	3.6	49	3.8	329.0	4060	4.1	47	3.9	329.5	4080	625	
650	7.5	26	2.6	326.0	3735		6.8	15	1.4	321.6	3732	6.3	33	3.0	325.8	3740	6.4	29	2.7	325.1	3759	650	
675	9.7	20	2.2	323.9	3423		9.3	17	1.9	322.4	3421	8.0	29	2.9	324.0	3429	8.6	26	2.7	324.1	3449	675	
700	11.4	22	2.7	323.9	3120		10.9	25	2.9	324.1	3119	10.3	32	3.6	325.4	3128	10.4	31	3.4	325.0	3147	700	
725	12.8	34	4.4	327.5	2826		12.1	35	4.2	326.2	2825	10.8	57	6.4	331.1	2836	11.3	48	5.6	329.3	2854	725	
750	14.1	45	6.1	330.8	2541		13.3	44	5.6	328.5	2541	11.8	87	10.1	339.7	2552	13.2	53	6.7	331.6	2570	750	
775	15.8	30	4.4	324.6	2263		14.4	53	7.1	330.9	2264	13.4	88	11.1	341.0	2276	14.2	74	9.8	338.4	2293	775	
800	16.9	36	5.4	326.0	1993		16.0	64	9.1	335.6	1995	14.3	70	9.0	333.2	2007	15.9	85	12.2	344.1	2023	800	
825	17.5	56	8.5	332.7	1731		17.9	61	9.6	336.4	1732	17.3	53	8.0	330.9	1746	17.0	92	13.8	347.0	1760	825	
850	18.3	65	10.2	335.3	1475		19.8	57	9.8	336.3	1475	18.9	59	9.6	334.4	1489	17.8	96	14.6	347.2	1504	850	
875	19.1	66	10.5	334.4	1226		20.4	65	11.2	338.1	1224	19.0	81	13.0	341.2	1240	18.7	98	15.3	347.2	1254	875	
900	20.0	67	11.0	334.1	983		20.4	78	13.1	340.5	980	20.1	88	14.6	344.0	996	20.3	90	15.1	346.0	1011	900	
925	21.2	83	14.4	342.1	745		21.5	80	14.1	341.9	742	21.7	88	15.8	346.8	758	21.8	86	15.4	345.8	772	925	
950	22.4	85	15.4	343.8	513		22.7	82	15.1	343.4	510	23.3	89	17.1	349.7	525	22.7	93	17.3	349.3	540	950	
975	24.9	83	17.0	348.6	285		25.0	79	16.4	347.2	282	24.8	90	18.5	352.7	297	24.7	89	18.3	351.8	311	975	
1000	27.3	81	18.7	353.7	60		27.2	77	17.7	351.0	58	26.3	91	19.9	355.9	73	26.3	86	18.8	352.7	87	1000	
SFC.	27.9	80	19.1	355.1	0		27.8	76	18.1	352.0	0	26.8	91	20.4	357.0	0	26.6	86	19.0	352.6	0	SFC.	
				SURFACE PRESSURE	1006.8					SURFACE PRESSURE	1006.5				SURFACE PRESSURE	1008.2					SURFACE PRESSURE	1009.9	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/15 1121 GMT						3/15 1750 GMT					3/16 0 0 GMT				3/16 550 GMT				H	P		
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-66.9	0	0.0	461.3	19622	0.0	0	0.0	0.0	0	0.0	0	0.0	460.0	19507	0.0	0	0.0	0.0	0	60	
70	-64.2	0	0.0	447.1	18688	0.0	0	0.0	0.0	0	-67.4	16	.0	440.3	18581	0.0	0	0.0	0.0	0	70	
80	-72.6	0	0.0	413.0	17879	0.0	0	0.0	0.0	0	-73.6	17	.0	410.9	17788	0.0	0	0.0	0.0	0	80	
90	-81.8	0	0.0	381.0	17208	0.0	0	0.0	0.0	0	-81.1	18	.0	382.5	17116	0.0	0	0.0	0.0	0	90	
100	-81.3	0	0.0	370.7	16617	0.0	0	0.0	0.0	0	-83.0	18	.0	367.4	16526	0.0	0	0.0	0.0	0	100	
110	-78.9	0	0.0	365.2	16078	0.0	0	0.0	0.0	0	-79.5	18	.0	364.1	15990	0.0	0	0.0	0.0	0	110	
120	-76.7	0	0.0	360.3	15580	0.0	0	0.0	0.0	0	-76.3	17	.0	361.1	15493	0.0	0	0.0	0.0	0	120	
130	-72.9	0	0.0	358.9	15115	0.0	0	0.0	0.0	0	-73.3	17	.0	358.2	15028	0.0	0	0.0	0.0	0	130	
140	-69.2	0	0.0	357.9	14677	0.0	0	0.0	0.0	0	-70.2	17	.0	356.1	14591	0.0	0	0.0	0.0	0	140	
150	-66.9	0	0.0	354.9	14262	0.0	0	0.0	0.0	0	-67.1	17	.0	354.6	14177	0.0	0	0.0	0.0	0	150	
160	-64.0	0	0.0	353.3	13869	0.0	0	0.0	0.0	0	-64.1	16	.0	353.0	13785	0.0	0	0.0	0.0	0	160	
170	-61.3	0	0.0	351.7	13496	0.0	0	0.0	0.0	0	-61.4	16	.0	351.6	13412	0.0	0	0.0	0.0	0	170	
180	-58.7	0	0.0	350.2	13139	0.0	0	0.0	0.0	0	-58.8	16	.0	350.1	13055	0.0	0	0.0	0.0	0	180	
190	-56.3	0	0.0	348.7	12798	0.0	0	0.0	0.0	0	-56.0	16	.0	349.3	12714	0.0	0	0.0	0.0	0	190	
200	-53.7	0	0.0	347.7	12470	0.0	0	0.0	0.0	0	-53.3	16	.0	348.5	12385	0.0	0	0.0	0.0	0	200	
225	-46.9	0	0.0	346.7	11701	0.0	0	0.0	0.0	0	-46.9	16	.0	346.8	11616	0.0	0	0.0	0.0	0	225	
250	-41.0	22	.1	345.5	10994	0.0	0	0.0	0.0	0	-41.2	16	.1	345.1	10909	0.0	0	0.0	0.0	0	250	
275	-35.4	22	.2	344.6	10338	0.0	0	0.0	0.0	0	-36.1	15	.1	343.4	10254	0.0	0	0.0	0.0	0	275	
300	-30.8	21	.2	342.8	9726	0.0	0	0.0	0.0	0	-31.4	15	.1	341.8	9644	0.0	0	0.0	0.0	0	300	
325	-26.1	21	.3	341.9	9152	0.0	0	0.0	0.0	0	-27.1	15	.2	340.1	9072	0.0	0	0.0	0.0	0	325	
350	-21.7	23	.4	341.2	8611	0.0	0	0.0	0.0	0	-23.4	15	.3	338.3	8534	-24.0	10	.2	337.1	8562	350	
375	-17.6	24	.6	340.7	8099	0.0	0	0.0	0.0	0	-19.9	16	.3	336.6	8026	-20.3	10	.2	335.5	8055	375	
400	-14.4	35	1.1	340.3	7613	-15.2	13	.4	336.7	7598	-16.6	16	.4	335.0	7544	-16.9	10	.3	334.0	7574	400	
425	-10.5	40	1.6	341.3	7149	-11.3	13	.5	336.4	7136	-13.2	15	.5	333.9	7085	-13.0	10	.3	333.6	7115	425	
450	-8.6	40	1.8	338.8	6708	-8.7	13	.6	334.5	6695	-10.1	15	.6	332.8	6647	-9.7	10	.4	332.6	6677	450	
475	-5.9	45	2.3	338.8	6286	-6.7	13	.6	332.0	6275	-7.2	14	.7	331.4	6228	-7.9	10	.4	329.9	6258	475	
500	-3.0	53	3.2	340.4	5882	-4.7	17	.9	330.6	5873	-5.9	14	.7	328.4	5828	-5.1	10	.5	328.7	5858	500	
525	-.5	58	4.0	341.3	5493	-3.4	55	3.1	334.8	5488	-3.8	16	.9	327.0	5444	-2.1	10	.6	328.2	5472	525	
550	.2	33	2.3	332.2	5121	-.8	49	3.2	333.9	5118	-1.8	18	1.1	325.8	5076	-.3	10	.7	326.2	5101	550	
575	2.6	14	1.1	327.1	4764	.8	59	4.2	334.5	4761	.1	20	1.3	324.8	4721	1.4	13	.9	324.9	4745	575	
600	2.8	58	4.5	333.7	4419	2.2	57	4.3	332.5	4418	1.7	29	2.1	325.2	4379	3.1	37	3.0	329.5	4402	600	
625	5.0	41	3.6	329.9	4087	4.1	41	3.4	328.2	4087	3.1	45	3.4	327.1	4049	4.2	43	3.5	328.7	4070	625	
650	7.5	26	2.6	326.1	3766	6.6	29	2.7	325.3	3767	5.5	25	2.1	322.2	3730	6.3	18	1.6	321.6	3749	650	
675	9.8	22	2.5	324.9	3454	9.1	25	2.7	324.6	3456	7.7	25	2.5	322.3	3420	9.0	16	1.7	321.3	3439	675	
700	11.5	28	3.5	326.5	3151	10.2	43	4.8	328.9	3154	9.7	33	3.6	324.7	3120	11.5	14	1.7	321.0	3137	700	
725	12.6	49	6.1	332.4	2857	12.2	57	7.0	334.6	2861	11.3	36	4.1	325.0	2827	12.0	33	4.0	325.4	2843	725	
750	13.6	83	10.8	343.9	2571	14.2	48	6.6	332.4	2575	12.7	36	4.4	324.1	2544	11.2	64	7.1	330.3	2560	750	
775	15.4	95	13.7	351.1	2293	16.2	40	5.9	329.7	2297	14.0	35	4.6	323.2	2268	12.7	94	11.3	340.9	2285	775	
800	15.7	94	13.4	347.2	2022	17.7	36	5.8	327.9	2027	15.3	35	4.8	322.3	1999	14.8	96	12.8	344.5	2016	800	
825	18.0	88	13.9	348.5	1759	18.4	48	7.7	331.4	1763	16.5	35	5.1	321.7	1738	16.8	98	14.4	348.3	1754	825	
850	19.8	80	13.8	347.5	1501	19.1	74	12.2	342.1	1506	17.6	47	7.0	325.6	1483	18.6	96	15.4	350.6	1497	850	
875	20.0	92	15.7	350.0	1250	19.8	77	12.8	341.7	1256	18.5	59	9.1	329.7	1235	20.0	78	13.1	342.9	1246	875	
900	21.3	91	16.3	350.5	1005	20.5	81	13.8	342.6	1012	19.8	62	10.1	331.3	992	21.0	73	12.7	340.2	1002	900	
925	22.8	87	16.6	350.4	766	21.4	88	15.4	345.1	774	21.1	62	10.7	332.0	755	21.8	79	14.3	342.6	764	925	
950	24.2	84	17.2	351.0	532	22.2	94	16.9	347.6	542	22.5	63	11.4	332.8	523	23.3	83	16.0	346.5	531	950	
975	26.1	88	19.6	357.4	303	24.6	92	18.7	353.0	314	23.7	63	12.0	333.5	296	24.8	86	17.8	350.7	303	975	
1000	28.0	91	22.2	364.3	77	27.0	90	20.6	358.7	89	27.0	76	17.3	349.6	74	26.3	90	19.7	355.2	79	1000	
SFC.	26.8	95	21.3	359.4	0	26.1	95	20.4	355.8	0	29.5	89	23.5	369.2	0	26.8	91	20.4	356.9	0	SFC.	
				SURFACE PRESSURE	1008.7				SURFACE PRESSURE	1010.1				SURFACE PRESSURE	1008.3				SURFACE PRESSURE	1008.9		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/16 1240 GMT						3/16 1510 GMT						3/16 1755 GMT						3/16 2045 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-68.5	0	0.0	457.7	19564	-63.5	0	0.0	468.8	19510	0.0	0	0.0	0.0	0	-67.7	0	0.0	459.4	19554	60		
70	-67.6	0	0.0	439.7	18640	-68.9	0	0.0	437.0	18584	0.0	0	0.0	0.0	0	-69.0	0	0.0	436.7	18634	70		
80	-66.8	18	.0	425.0	17832	-72.1	0	0.0	414.1	17783	0.0	0	0.0	0.0	0	-66.6	0	0.0	425.4	17831	80		
90	-80.2	18	.0	384.3	17147	-82.2	0	0.0	380.3	17110	0.0	0	0.0	0.0	0	-78.4	19	.0	387.9	17143	90		
100	-81.8	18	.0	369.7	16554	-81.1	0	0.0	371.1	16519	0.0	0	0.0	0.0	0	-79.6	20	.0	374.0	16543	100		
110	-78.6	18	.0	365.9	16015	-78.3	0	0.0	366.4	15979	0.0	0	0.0	0.0	0	-79.4	18	.0	364.3	16003	110		
120	-75.6	18	.0	362.3	15515	-75.7	0	0.0	362.1	15480	0.0	0	0.0	0.0	0	-76.9	18	.0	359.9	15507	120		
130	-72.9	18	.0	359.0	15049	-73.3	0	0.0	358.1	15014	0.0	0	0.0	0.0	0	-73.7	18	.0	357.5	15043	130		
140	-70.4	18	.0	355.9	14612	-70.6	0	0.0	355.4	14578	0.0	0	0.0	0.0	0	-70.8	18	.0	355.2	14607	140		
150	-67.4	18	.0	354.1	14199	-67.4	0	0.0	354.0	14165	0.0	0	0.0	0.0	0	-67.5	18	.0	353.9	14195	150		
160	-64.1	17	.0	353.1	13807	-64.4	0	0.0	352.6	13774	0.0	0	0.0	0.0	0	-64.2	17	.0	352.9	13803	160		
170	-61.1	17	.0	352.0	13434	-61.6	0	0.0	351.2	13401	0.0	0	0.0	0.0	0	-61.2	17	.0	351.9	13429	170		
180	-58.3	17	.0	351.0	13076	-58.9	0	0.0	349.9	13044	0.0	0	0.0	0.0	0	-58.3	16	.0	350.9	13072	180		
190	-55.6	17	.0	350.0	12734	-56.4	0	0.0	348.6	12703	0.0	0	0.0	0.0	0	-55.6	16	.0	349.9	12730	190		
200	-53.0	16	.0	348.9	12405	-54.0	0	0.0	347.3	12375	0.0	0	0.0	0.0	0	-53.1	16	.0	348.9	12401	200		
225	-47.2	16	.0	346.3	11636	-48.1	17	.0	345.0	11609	0.0	0	0.0	0.0	0	-47.2	17	.0	346.4	11632	225		
250	-42.3	15	.1	343.5	10931	-42.7	17	.1	342.9	10907	0.0	0	0.0	0.0	0	-41.9	17	.1	344.1	10926	250		
275	-36.3	14	.1	343.0	10279	-36.3	16	.1	343.1	10254	0.0	0	0.0	0.0	0	-36.7	16	.1	342.5	10274	275		
300	-31.1	14	.1	342.1	9668	-30.4	15	.2	343.2	9643	-32.6	14	.1	340.0	9643	-31.6	16	.1	341.4	9665	300		
325	-27.3	14	.2	339.8	9096	-28.3	14	.2	338.3	9072	-27.6	13	.2	339.4	9073	-27.4	15	.2	339.7	9093	325		
350	-23.7	14	.2	337.7	8558	-24.1	14	.2	337.2	8536	-24.1	13	.2	337.1	8537	-23.9	16	.3	337.6	8557	350		
375	-20.4	14	.3	335.7	8051	-20.8	15	.3	335.2	8030	-21.0	14	.3	334.8	8030	-21.1	16	.3	334.8	8050	375		
400	-17.3	14	.3	333.9	7570	-17.8	16	.4	333.3	7550	-18.1	14	.3	332.7	7551	-17.4	16	.4	333.9	7570	400		
425	-12.9	13	.4	334.1	7112	-13.9	15	.5	332.9	7093	-14.2	13	.4	332.3	7095	-13.7	15	.5	333.2	7112	425		
450	-9.5	13	.5	333.2	6673	-10.5	14	.5	332.0	6656	-10.7	13	.5	331.6	6658	-10.2	14	.5	332.4	6675	450		
475	-7.8	13	.6	330.4	6254	-8.8	15	.6	329.3	6239	-8.7	16	.7	329.6	6241	-8.3	15	.7	330.2	6257	475		
500	-6.1	31	1.5	330.8	5854	-6.7	27	1.2	329.2	5840	-6.9	17	.8	327.4	5842	-6.2	16	.8	328.3	5857	500		
525	-2.9	14	.8	327.9	5470	-3.8	28	1.6	329.4	5457	-4.2	20	1.0	327.1	5460	-3.5	17	.9	327.6	5474	525		
550	-.6	15	1.0	326.8	5100	-1.0	18	1.1	326.9	5088	-1.1	20	1.3	327.2	5091	-1.0	17	1.1	326.9	5104	550		
575	.3	31	2.1	327.4	4744	-.0	29	1.9	326.4	4733	-.4	21	1.3	324.1	4736	-.1	19	1.3	324.3	4749	575		
600	1.6	46	3.3	328.7	4402	.7	43	2.9	326.5	4391	.3	30	1.9	322.9	4396	1.7	20	1.4	322.9	4408	600		
625	3.9	26	2.1	323.9	4072	3.6	26	2.0	323.3	4062	3.0	19	1.4	320.6	4067	4.0	19	1.5	322.3	4078	625		
650	6.5	22	2.0	323.0	3752	5.8	24	2.1	322.4	3742	5.3	20	1.7	320.7	3748	6.1	19	1.7	321.6	3758	650		
675	8.7	21	2.2	322.8	3441	7.6	30	2.9	323.5	3432	7.5	22	2.1	320.9	3439	8.2	18	1.8	321.0	3448	675		
700	9.7	38	4.1	326.2	3140	9.3	36	3.8	324.9	3132	9.0	26	2.7	321.1	3138	9.8	21	2.3	321.1	3147	700		
725	10.8	55	6.1	330.4	2848	11.0	42	4.7	326.5	2840	10.8	33	3.7	323.0	2847	11.2	27	3.1	321.8	2855	725		
750	12.3	71	8.6	335.8	2564	12.4	57	6.9	331.3	2556	12.5	40	4.8	325.2	2564	12.4	33	4.0	322.7	2571	750		
775	14.5	53	7.1	331.1	2287	14.1	55	7.1	330.7	2280	13.8	46	5.9	326.9	2288	13.6	40	5.0	324.0	2296	775		
800	15.1	75	10.2	337.7	2018	15.2	66	9.0	334.2	2011	14.6	53	7.0	327.9	2019	14.7	48	6.4	326.3	2027	800		
825	16.2	86	12.1	341.4	1756	15.9	84	11.7	339.6	1749	15.7	65	8.8	331.3	1758	15.7	61	8.4	330.1	1766	825		
850	17.7	87	13.1	342.9	1501	17.1	90	13.1	342.1	1494	16.8	76	10.8	335.2	1504	17.0	63	9.1	330.8	1512	850		
875	19.1	88	14.1	344.5	1251	18.8	87	13.6	342.8	1245	18.1	77	11.5	336.1	1255	18.2	65	9.9	331.6	1264	875		
900	20.4	89	15.2	346.2	1007	20.3	85	14.4	343.7	1001	19.5	76	12.1	336.6	1013	19.4	67	10.7	332.4	1021	900		
925	21.8	90	16.3	348.0	769	21.2	91	15.7	345.9	763	20.6	78	13.0	337.5	776	20.6	69	11.5	333.4	785	925		
950	23.1	92	17.4	350.0	536	22.1	96	17.1	348.1	531	21.9	83	14.7	341.1	544	21.7	71	12.3	334.4	553	950		
975	24.3	93	18.5	351.9	307	24.2	91	17.9	350.2	303	23.5	79	14.9	341.2	317	24.8	74	15.2	343.6	326	975		
1000	25.5	94	19.6	354.0	84	26.3	85	18.6	352.1	80	25.5	80	16.8	346.2	94	27.8	78	18.6	354.3	101	1000		
SFC.	26.0	94	20.1	354.8	0	27.0	83	18.8	352.7	0	26.8	87	19.5	354.0	0	29.2	79	20.3	359.7	0	SFC.		
				SURFACE PRESSURE	1009.5				SURFACE PRESSURE	1009.0				SURFACE PRESSURE	1010.7				SURFACE PRESSURE	1011.4			



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/16 2345 GMT						3/17 240 GMT						3/17 534 GMT						3/17 825 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-68.6	0	0.0	457.4	19461	-67.7	0	0.0	459.4	19540	0.0	0	0.0	0.0	0	-65.4	0	0.0	464.5	19483	60		
70	-70.7	0	0.0	433.2	18548	-72.4	0	0.0	429.5	18626	0.0	0	0.0	0.0	0	-70.7	0	0.0	433.1	18557	70		
80	-68.2	0	0.0	422.0	17751	-67.6	21	.0	423.4	17832	0.0	0	0.0	0.0	0	-71.4	22	.0	415.6	17770	80		
90	-79.5	0	0.0	385.5	17060	-78.2	22	.0	388.2	17142	0.0	0	0.0	0.0	0	-79.2	23	.0	386.2	17087	90		
100	-80.5	20	.0	372.2	16467	-78.3	21	.0	376.5	16542	0.0	0	0.0	0.0	0	-79.4	24	.0	374.4	16492	100		
110	-79.7	20	.0	363.7	15929	-77.8	21	.0	367.2	15998	0.0	0	0.0	0.0	0	-78.6	24	.0	365.7	15949	110		
120	-76.6	20	.0	360.4	15432	-75.6	21	.0	362.3	15497	0.0	0	0.0	0.0	0	-76.3	23	.0	361.0	15451	120		
130	-74.5	20	.0	356.1	14969	-73.6	21	.0	357.8	15032	0.0	0	0.0	0.0	0	-73.9	22	.0	357.2	14986	130		
140	-71.4	20	.0	354.1	14534	-70.9	21	.0	354.9	14596	0.0	0	0.0	0.0	0	-71.6	22	.0	353.7	14551	140		
150	-68.5	19	.0	352.1	14124	-67.6	21	.0	353.6	14184	0.0	0	0.0	0.0	0	-69.3	21	.0	350.8	14142	150		
160	-65.8	19	.0	350.3	13734	-64.6	21	.0	352.3	13793	0.0	0	0.0	0.0	0	-66.2	21	.0	349.6	13754	160		
170	-62.8	19	.0	349.2	13363	-61.7	21	.0	351.0	13420	0.0	0	0.0	0.0	0	-63.3	21	.0	348.5	13384	170		
180	-60.0	19	.0	348.2	13009	-58.9	20	.0	350.0	13064	0.0	0	0.0	0.0	0	-60.5	21	.0	347.3	13030	180		
190	-57.3	18	.0	347.2	12669	-56.2	20	.0	348.9	12722	0.0	0	0.0	0.0	0	-57.9	20	.0	346.1	12691	190		
200	-54.8	18	.0	346.1	12343	-53.7	20	.0	347.9	12395	0.0	0	0.0	0.0	0	-55.5	20	.0	345.0	12366	200		
225	-48.8	18	.0	343.9	11580	-47.6	19	.0	345.7	11627	0.0	0	0.0	0.0	0	-49.7	20	.0	342.5	11606	225		
250	-42.8	18	.1	342.7	10878	-41.8	19	.1	344.2	10923	0.0	0	0.0	0.0	0	-43.8	21	.1	341.3	10907	250		
275	-37.4	17	.1	341.4	10228	-36.5	18	.1	342.8	10269	0.0	0	0.0	0.0	0	-38.4	22	.1	340.1	10259	275		
300	-32.5	17	.1	340.1	9621	-31.7	18	.2	341.4	9660	0.0	0	0.0	0.0	0	-33.3	21	.2	339.1	9655	300		
325	-28.6	17	.2	338.0	9052	-27.2	18	.2	340.1	9089	0.0	0	0.0	0.0	0	-28.4	18	.2	338.3	9087	325		
350	-24.4	18	.3	336.9	8517	-23.4	18	.3	338.4	8551	-24.1	23	.4	337.7	8562	-25.6	20	.3	335.3	8552	350		
375	-21.0	18	.3	335.1	8011	-20.0	17	.4	336.5	8043	-20.4	20	.4	336.1	8055	-21.7	19	.3	334.2	8048	375		
400	-17.9	17	.4	333.3	7531	-16.8	17	.4	334.8	7561	-17.0	17	.4	334.6	7574	-18.0	17	.4	333.2	7569	400		
425	-14.3	17	.5	332.5	7074	-13.2	17	.6	334.1	7103	-13.6	17	.5	333.5	7116	-14.5	16	.5	332.1	7112	425		
450	-10.9	16	.6	331.8	6638	-9.9	17	.7	333.4	6665	-10.4	17	.7	332.6	6679	-11.3	15	.5	331.1	6677	450		
475	-8.7	17	.7	329.8	6221	-8.0	17	.7	330.8	6246	-8.2	15	.7	330.2	6261	-9.0	15	.6	329.2	6260	475		
500	-7.0	18	.8	327.5	5822	-5.9	17	.8	328.9	5846	-6.1	15	.7	328.3	5861	-6.9	16	.7	327.2	5862	500		
525	-4.5	18	.9	326.3	5440	-3.6	18	1.0	327.6	5463	-3.9	19	1.0	327.4	5478	-4.9	16	.8	325.4	5480	525		
550	-2.3	18	1.1	325.1	5072	-1.4	18	1.1	326.4	5094	-1.8	22	1.3	326.6	5109	-2.5	17	1.0	324.5	5112	550		
575	-1.1	19	1.2	322.8	4719	.7	18	1.3	325.3	4738	.1	25	1.7	326.0	4754	-.3	18	1.1	323.7	4758	575		
600	.3	20	1.3	320.8	4378	2.7	19	1.4	324.3	4395	2.0	28	2.1	325.5	4412	1.5	35	2.5	326.1	4417	600		
625	2.5	19	1.4	320.1	4050	4.7	19	1.6	323.3	4064	4.3	27	2.2	324.8	4081	3.6	19	1.5	321.6	4087	625		
650	4.6	19	1.5	319.4	3732	6.5	19	1.8	322.5	3744	6.6	25	2.3	324.1	3761	5.9	20	1.8	321.7	3767	650		
675	6.7	18	1.6	318.7	3423	8.3	20	2.0	321.7	3433	8.8	22	2.3	323.2	3450	8.1	22	2.2	321.9	3457	675		
700	8.3	23	2.3	319.2	3124	10.0	21	2.3	321.3	3132	10.1	18	2.0	320.3	3149	9.7	26	2.8	322.3	3156	700		
725	9.7	32	3.3	320.7	2834	11.6	28	3.3	322.7	2840	11.2	29	3.3	322.5	2857	11.1	31	3.5	322.9	2864	725		
750	11.0	41	4.5	322.4	2551	13.0	35	4.4	324.4	2555	12.3	45	5.4	326.8	2573	12.0	53	6.2	328.6	2581	750		
775	12.1	48	5.5	323.8	2277	14.4	41	5.5	326.3	2279	13.6	64	8.1	332.8	2297	12.8	74	8.9	334.2	2306	775		
800	13.2	55	6.6	325.0	2010	15.5	64	8.9	334.3	2010	14.9	83	11.1	339.8	2028	14.0	84	10.7	337.7	2038	800		
825	13.5	64	7.6	325.4	1751	15.4	80	10.7	336.2	1749	16.2	93	13.2	344.3	1766	15.6	85	11.6	339.2	1776	825		
850	16.7	91	12.9	341.0	1498	17.2	79	11.5	337.8	1494	17.5	94	14.0	345.2	1511	17.2	86	12.6	340.8	1521	850		
875	17.9	93	13.8	342.2	1249	19.0	76	12.1	338.7	1245	18.9	94	14.9	346.3	1261	18.7	87	13.6	342.5	1272	875		
900	19.2	94	14.7	343.4	1006	20.4	74	12.4	338.6	1002	20.1	94	15.7	347.3	1017	20.1	88	14.6	344.3	1028	900		
925	20.4	95	15.7	344.7	769	21.9	74	13.4	340.5	764	21.4	95	16.6	348.4	779	21.6	88	15.7	346.2	790	925		
950	22.1	87	15.5	343.5	537	23.5	77	14.9	343.6	531	22.6	95	17.5	349.6	546	22.9	89	16.8	348.2	557	950		
975	23.8	78	15.0	341.7	310	25.0	79	16.3	347.0	302	24.7	91	18.5	352.5	318	24.3	90	17.9	350.3	329	975		
1000	26.4	76	16.6	346.9	87	27.1	85	19.5	355.6	78	25.9	92	19.8	354.9	94	25.6	91	19.1	352.5	106	1000		
SFC.	28.9	85	21.6	362.9	0	27.8	87	20.7	359.1	0	26.1	95	20.4	355.7	0	26.2	91	19.6	353.6	0	SFC.		
				SURFACE PRESSURE	1009.8				SURFACE PRESSURE	1008.8				SURFACE PRESSURE	1010.7				SURFACE PRESSURE	1012.0			

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA FANNING ISLAND

3/17 1119 GMT						3/17 1745 GMT					3/17 2345 GMT					3/18 728 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-65.9	0	0.0	463.5	19484	0.0	0	0.0	0.0	0	-64.1	0	0.0	467.4	19621	0.0	0	0.0	0.0	0	60	
70	-68.9	0	0.0	437.1	18555	0.0	0	0.0	0.0	0	-69.9	16	.0	435.0	18686	0.0	0	0.0	0.0	0	70	
80	-70.8	23	.0	416.7	17764	0.0	0	0.0	0.0	0	-69.0	16	.0	420.4	17893	0.0	0	0.0	0.0	0	80	
90	-81.0	24	.0	382.6	17085	0.0	0	0.0	0.0	0	-76.2	16	.0	392.1	17196	0.0	0	0.0	0.0	0	90	
100	-79.4	25	.0	374.3	16490	0.0	0	0.0	0.0	0	-79.8	17	.0	373.6	16596	0.0	0	0.0	0.0	0	100	
110	-78.2	24	.0	366.5	15947	0.0	0	0.0	0.0	0	-78.8	17	.0	365.4	16056	0.0	0	0.0	0.0	0	110	
120	-76.1	26	.0	361.4	15449	0.0	0	0.0	0.0	0	-75.6	16	.0	362.2	15557	0.0	0	0.0	0.0	0	120	
130	-73.5	28	.0	358.0	14984	0.0	0	0.0	0.0	0	-72.7	16	.0	359.3	15090	0.0	0	0.0	0.0	0	130	
140	-71.0	30	.0	354.8	14548	0.0	0	0.0	0.0	0	-69.5	16	.0	357.4	14652	0.0	0	0.0	0.0	0	140	
150	-68.7	32	.0	351.8	14137	0.0	0	0.0	0.0	0	-66.5	16	.0	355.6	14237	0.0	0	0.0	0.0	0	150	
160	-66.4	33	.0	349.3	13748	0.0	0	0.0	0.0	0	-63.7	16	.0	353.9	13844	0.0	0	0.0	0.0	0	160	
170	-63.4	31	.0	348.3	13379	0.0	0	0.0	0.0	0	-60.8	16	.0	352.6	13470	0.0	0	0.0	0.0	0	170	
180	-60.5	28	.0	347.4	13025	0.0	0	0.0	0.0	0	-57.9	16	.0	351.7	13112	0.0	0	0.0	0.0	0	180	
190	-57.8	26	.0	346.4	12686	0.0	0	0.0	0.0	0	-55.1	16	.0	350.7	12768	0.0	0	0.0	0.0	0	190	
200	-55.3	24	.0	345.4	12361	0.0	0	0.0	0.0	0	-52.5	15	.0	349.8	12439	0.0	0	0.0	0.0	0	200	
225	-49.2	20	.0	343.2	11599	0.0	0	0.0	0.0	0	-46.4	15	.0	347.5	11667	0.0	0	0.0	0.0	0	225	
250	-43.3	20	.1	342.1	10899	0.0	0	0.0	0.0	0	-40.3	15	.1	346.5	10958	0.0	0	0.0	0.0	0	250	
275	-38.4	23	.1	340.1	10250	0.0	0	0.0	0.0	0	-34.7	15	.1	345.4	10301	0.0	0	0.0	0.0	0	275	
300	-33.5	23	.2	338.8	9646	0.0	0	0.0	0.0	0	-32.4	17	.1	340.3	9687	0.0	0	0.0	0.0	0	300	
325	-28.5	18	.2	338.3	9078	0.0	0	0.0	0.0	0	-28.0	17	.2	338.9	9118	0.0	0	0.0	0.0	0	325	
350	-25.0	20	.3	336.2	8544	0.0	0	0.0	0.0	0	-23.7	17	.3	338.0	8581	-25.8	36	.5	335.8	8564	350	
375	-21.0	19	.4	335.2	8038	0.0	0	0.0	0.0	0	-19.8	16	.3	336.8	8073	-20.9	32	.6	336.2	8059	375	
400	-17.7	18	.4	333.6	7558	-17.0	18	.5	334.6	7581	-16.1	16	.4	335.8	7591	-17.7	37	.9	335.2	7579	400	
425	-14.3	17	.5	332.5	7102	-14.0	16	.5	332.8	7124	-12.8	15	.5	334.6	7131	-14.3	31	.9	334.0	7122	425	
450	-11.1	15	.6	331.3	6666	-10.2	15	.6	332.6	6687	-9.6	14	.6	333.4	6693	-11.1	25	.9	332.6	6686	450	
475	-8.8	16	.7	329.5	6249	-7.7	14	.6	330.8	6268	-7.3	14	.6	331.3	6273	-8.1	19	.8	331.0	6268	475	
500	-6.8	17	.8	327.6	5850	-5.3	13	.7	329.0	5868	-5.6	13	.7	328.7	5873	-5.7	17	.8	329.1	5868	500	
525	-4.9	18	.9	325.8	5468	-3.4	15	.9	327.4	5484	-3.3	13	.7	327.1	5489	-3.8	17	.9	327.1	5484	525	
550	-2.7	36	2.1	328.0	5101	-1.2	15	1.0	326.1	5114	-.8	12	.8	326.1	5119	-2.0	17	1.0	325.3	5116	550	
575	-.5	57	3.7	331.5	4746	.9	15	1.0	324.7	4759	1.7	12	.9	325.2	4763	.2	16	1.1	324.1	4762	575	
600	1.7	74	5.4	335.1	4404	2.2	17	1.2	323.0	4416	2.9	13	1.0	322.9	4419	2.9	15	1.2	323.6	4419	600	
625	3.6	55	4.3	330.5	4073	3.9	17	1.4	321.7	4086	5.0	13	1.1	322.1	4088	5.1	17	1.5	323.3	4087	625	
650	5.6	35	3.1	325.3	3754	6.2	17	1.6	321.3	3766	7.3	13	1.3	321.6	3767	7.1	20	1.9	323.3	3766	650	
675	7.4	29	2.8	323.0	3444	8.8	19	2.0	322.2	3455	9.5	13	1.4	321.1	3455	9.0	22	2.3	323.4	3455	675	
700	9.3	30	3.2	323.0	3144	10.5	24	2.7	322.9	3154	11.6	13	1.6	320.7	3153	10.8	24	2.8	323.7	3153	700	
725	10.8	39	4.3	324.9	2852	12.0	29	3.5	323.8	2861	13.3	17	2.2	321.5	2859	12.6	27	3.3	324.0	2860	725	
750	11.9	54	6.4	329.0	2569	13.6	33	4.3	324.9	2576	14.6	24	3.4	323.3	2573	14.3	29	3.9	324.6	2575	750	
775	13.0	70	8.5	333.3	2293	14.8	39	5.3	326.3	2299	15.8	32	4.6	325.3	2296	14.9	45	6.2	329.0	2297	775	
800	14.1	84	10.7	337.7	2025	15.2	51	7.0	328.6	2030	16.5	45	6.7	329.2	2026	15.1	68	9.2	334.6	2028	800	
825	15.3	94	12.5	341.1	1764	14.4	73	9.2	330.8	1770	17.1	59	8.8	333.0	1763	15.5	94	12.6	341.7	1767	825	
850	16.7	92	13.0	341.2	1509	15.8	77	10.3	332.7	1516	18.1	68	10.5	335.9	1508	16.7	90	12.9	341.0	1512	850	
875	18.1	79	11.9	337.2	1261	17.2	92	13.1	339.4	1269	19.7	68	11.2	337.1	1258	18.1	91	13.8	342.3	1263	875	
900	19.5	80	12.8	338.6	1018	18.8	96	14.7	342.7	1026	21.3	67	12.0	338.3	1014	19.5	93	14.8	344.0	1020	900	
925	21.0	85	14.6	342.5	780	20.3	97	15.9	345.3	789	22.8	67	12.7	339.6	776	20.9	93	15.8	345.7	783	925	
950	22.4	91	16.5	346.6	548	22.0	96	17.1	347.8	557	24.3	67	13.5	340.9	542	22.6	89	16.5	347.0	550	950	
975	23.7	96	18.5	351.1	320	24.3	88	17.4	349.0	330	25.7	66	14.3	342.3	313	24.4	86	17.1	348.2	322	975	
1000	25.7	92	19.5	353.8	97	26.3	85	18.6	352.1	106	28.5	63	15.7	347.1	89	26.0	87	18.7	352.1	99	1000	
SFC.	26.6	90	19.9	355.0	0	27.0	89	20.1	356.0	0	30.3	61	16.7	351.1	0	26.6	93	20.6	356.8	0	SFC.	
				SURFACE PRESSURE	1011.0				SURFACE PRESSURE	1012.0				SURFACE PRESSURE	1010.0				SURFACE PRESSURE	1011.2		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/18 13 8 GMT						3/18 1644 GMT					3/18 1835 GMT					3/18 21 0 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-67.9	0	0.0	458.8	19486	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-67.2	0	0.0	460.5	19609	60	
70	-70.6	15	.0	433.5	18568	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-71.3	18	.0	431.8	18689	70	
80	-73.6	15	.0	410.9	17784	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-73.1	19	.0	412.1	17905	80	
90	-76.0	15	.0	392.6	17094	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-74.8	19	.0	395.0	17215	90	
100	-78.8	15	.0	375.5	16490	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-76.6	20	.0	379.8	16606	100	
110	-80.5	15	.0	362.2	15950	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-76.3	19	.0	370.1	16058	110	
120	-78.0	15	.0	357.9	15456	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-75.3	18	.0	362.9	15555	120	
130	-74.6	15	.0	355.9	14995	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-73.5	18	.0	357.8	15089	130	
140	-71.3	15	.0	354.3	14560	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-70.7	19	.0	355.2	14653	140	
150	-68.1	15	.0	352.8	14149	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-67.4	19	.0	354.1	14241	150	
160	-65.2	15	.0	351.3	13759	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-64.2	20	.0	353.0	13849	160	
170	-63.2	15	.0	348.6	13388	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-61.2	20	.0	351.9	13475	170	
180	-60.0	15	.0	348.1	13033	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-58.2	20	.0	351.1	13118	180	
190	-57.0	15	.0	347.6	12694	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-55.3	19	.0	350.3	12776	190	
200	-54.2	15	.0	347.0	12367	-53.8	14	.0	347.7	12348	0.0	0	0.0	0.0	0	-52.6	19	.0	349.5	12446	200	
225	-47.8	15	.0	345.5	11600	-47.6	13	.0	345.7	11581	0.0	0	0.0	0.0	0	-46.5	19	.0	347.5	11675	225	
250	-42.2	14	.1	343.6	10896	-42.1	13	.0	343.7	10877	0.0	0	0.0	0.0	0	-40.9	18	.1	345.6	10967	250	
275	-37.1	13	.1	341.8	10245	-37.1	12	.1	341.8	10225	0.0	0	0.0	0.0	0	-35.9	17	.1	343.8	10312	275	
300	-32.7	16	.1	339.8	9637	-32.9	14	.1	339.5	9617	0.0	0	0.0	0.0	0	-31.0	15	.1	342.4	9701	300	
325	-31.5	69	.6	335.5	9071	-31.9	70	.6	334.9	9052	0.0	0	0.0	0.0	0	-27.9	16	.2	339.0	9129	325	
350	-26.2	42	.5	335.4	8540	-26.9	48	.6	334.7	8523	0.0	0	0.0	0.0	0	-26.0	21	.3	334.8	8595	350	
375	-21.2	25	.5	335.3	8036	-22.3	32	.5	334.2	8020	0.0	0	0.0	0.0	0	-21.4	20	.4	334.7	8091	375	
400	-17.2	18	.4	334.4	7556	-19.0	40	.9	333.4	7542	0.0	0	0.0	0.0	0	-17.0	19	.5	334.7	7611	400	
425	-15.2	28	.8	332.3	7100	-15.4	26	.7	331.8	7087	0.0	0	0.0	0.0	0	-13.1	18	.6	334.4	7153	425	
450	-11.4	18	.6	331.3	6665	-12.1	18	.6	330.3	6653	-10.3	10	.4	331.7	6696	-9.8	17	.7	333.5	6715	450	
475	-8.3	15	.6	330.0	6248	-9.0	15	.6	329.1	6237	-7.5	11	.5	330.7	6277	-6.7	16	.8	332.5	6295	475	
500	-5.6	11	.6	328.4	5848	-6.0	12	.6	327.8	5838	-4.7	12	.6	329.7	5876	-3.9	15	.8	331.4	5892	500	
525	-3.0	10	.6	327.1	5463	-3.8	13	.7	326.5	5454	-2.1	13	.8	328.8	5490	-1.6	14	.9	329.9	5506	525	
550	-.8	10	.7	325.6	5094	-1.8	14	.9	325.0	5086	.1	13	.9	327.3	5119	.7	14	1.0	328.5	5134	550	
575	1.2	12	.9	324.5	4738	.5	11	.8	323.4	4731	2.1	12	.9	325.7	4762	2.8	14	1.1	327.2	4776	575	
600	2.8	26	2.0	326.2	4394	2.3	12	.9	322.0	4389	4.0	12	1.0	324.2	4418	4.8	13	1.2	325.9	4430	600	
625	4.4	17	1.4	322.3	4063	4.0	13	1.1	320.7	4058	5.8	11	1.0	322.7	4085	6.5	17	1.6	325.4	4097	625	
650	6.4	13	1.2	320.3	3743	5.7	14	1.2	319.6	3739	7.0	18	1.7	322.7	3764	7.8	23	2.4	325.7	3774	650	
675	8.2	11	1.1	318.6	3433	8.2	12	1.2	318.9	3429	9.5	16	1.7	322.0	3452	9.6	23	2.5	324.7	3463	675	
700	10.2	15	1.7	319.5	3132	10.3	12	1.4	318.5	3128	11.5	15	1.9	321.6	3150	11.4	20	2.4	323.2	3160	700	
725	11.8	40	4.8	327.4	2839	12.0	14	1.7	318.3	2835	12.5	21	2.6	321.8	2856	13.2	18	2.3	321.6	2866	725	
750	12.2	74	8.8	336.3	2555	12.8	30	3.7	322.1	2551	13.9	21	2.7	320.6	2571	13.4	20	2.6	319.7	2581	750	
775	13.9	72	9.3	336.7	2278	13.1	44	5.4	324.5	2276	15.5	26	3.7	322.4	2295	14.9	24	3.3	320.3	2305	775	
800	15.2	82	11.2	340.5	2009	13.7	99	12.2	341.3	2008	15.3	53	7.3	329.4	2026	16.5	27	4.0	321.4	2036	800	
825	17.1	86	12.9	344.6	1747	14.8	99	12.8	341.5	1747	16.7	37	5.3	322.5	1764	17.5	42	6.5	326.9	1773	825	
850	17.1	99	14.4	345.6	1491	15.8	99	13.3	340.9	1493	17.4	59	8.7	330.2	1509	18.2	62	9.7	333.9	1518	850	
875	18.8	92	14.5	345.1	1242	17.1	96	13.5	340.2	1245	18.7	64	9.9	332.4	1261	19.2	75	12.1	339.0	1268	875	
900	19.6	67	10.8	332.9	998	19.0	84	13.0	338.4	1003	20.0	68	11.2	334.7	1018	20.5	80	13.7	342.3	1025	900	
925	20.3	53	8.5	325.1	762	21.0	72	12.3	336.0	766	21.2	73	12.6	337.2	780	21.8	86	15.5	345.9	786	925	
950	22.0	67	11.8	333.4	531	21.6	81	14.0	338.9	534	22.4	77	14.0	339.8	548	23.1	91	17.2	349.6	553	950	
975	23.6	81	15.4	342.6	304	23.5	85	16.1	344.4	307	24.5	73	14.8	342.0	321	25.2	89	18.7	353.6	325	975	
1000	25.1	95	19.4	352.8	81	25.3	90	18.5	350.6	84	26.6	75	16.6	347.0	97	27.2	87	20.1	357.6	100	1000	
SFC.	25.0	98	19.7	352.5	0	25.2	98	20.0	353.4	0	27.5	80	18.6	352.6	0	28.1	86	20.8	359.4	0	SFC.	
				SURFACE PRESSURE	1009.2				SURFACE PRESSURE	1009.6				SURFACE PRESSURE	1011.0				SURFACE PRESSURE	1011.3		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND.

3/18 2340 GMT						3/19 240 GMT					3/19 6 5 GMT					3/19 9 5 GMT					P.	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P.	
60	-63.1	0	0.0	469.6	19679	-62.3	0	0.0	471.5	19545	0.0	0	0.0	0.0	0	-67.4	0	0.0	460.1	19515	60	
70	-68.3	0	0.0	438.4	18748	-70.7	17	.0	433.2	18616	0.0	0	0.0	0.0	0	-71.8	19	.0	430.8	18594	70	
80	-74.6	15	.0	408.9	17953	-73.4	18	.0	411.4	17830	0.0	0	0.0	0.0	0	-77.5	19	.0	403.0	17818	80	
90	-74.7	15	.0	395.2	17267	-74.3	18	.0	395.9	17143	0.0	0	0.0	0.0	0	-76.6	19	.0	391.5	17144	90	
100	-76.3	16	.0	380.3	16657	-77.7	18	.0	377.6	16536	0.0	0	0.0	0.0	0	-78.8	19	.0	375.5	16539	100	
110	-76.9	16	.0	369.0	16112	-77.4	19	.0	368.1	15990	0.0	0	0.0	0.0	0	-78.5	18	.0	366.0	15996	110	
120	-74.8	15	.0	363.8	15609	-76.1	19	.0	361.4	15490	0.0	0	0.0	0.0	0	-76.6	18	.0	360.5	15499	120	
130	-72.6	15	.0	359.4	15141	-73.4	18	.0	358.1	15025	0.0	0	0.0	0.0	0	-73.4	18	.0	358.1	15034	130	
140	-69.8	15	.0	356.8	14704	-70.9	18	.0	354.9	14589	0.0	0	0.0	0.0	0	-70.4	18	.0	355.8	14597	140	
150	-66.7	15	.0	355.2	14290	-68.1	18	.0	352.8	14178	0.0	0	0.0	0.0	0	-67.6	18	.0	353.7	14185	150	
160	-63.8	15	.0	353.7	13897	-65.3	18	.0	351.2	13787	0.0	0	0.0	0.0	0	-64.8	18	.0	351.9	13794	160	
170	-61.0	15	.0	352.2	13522	-62.6	17	.0	349.6	13416	0.0	0	0.0	0.0	0	-62.3	18	.0	350.1	13422	170	
180	-57.9	15	.0	351.5	13165	-60.1	17	.0	348.0	13061	0.0	0	0.0	0.0	0	-59.7	18	.0	348.6	13066	180	
190	-54.9	14	.0	351.1	12822	-57.3	17	.0	347.2	12722	0.0	0	0.0	0.0	0	-56.9	18	.0	347.9	12726	190	
200	-52.0	14	.0	350.6	12492	-54.4	17	.0	346.8	12395	0.0	0	0.0	0.0	0	-54.1	17	.0	347.1	12399	200	
225	-45.4	14	.0	349.1	11717	-47.7	16	.0	345.7	11629	0.0	0	0.0	0.0	0	-47.9	16	.0	345.2	11633	225	
250	-39.6	13	.1	347.6	11006	-41.7	16	.1	344.4	10924	0.0	0	0.0	0.0	0	-42.0	16	.1	343.9	10929	250	
275	-34.3	13	.1	346.0	10346	-36.2	15	.1	343.2	10270	0.0	0	0.0	0.0	0	-36.5	15	.1	342.7	10276	275	
300	-29.6	13	.1	344.2	9731	-32.2	16	.1	340.6	9661	0.0	0	0.0	0.0	0	-32.2	16	.1	340.5	9668	300	
325	-26.6	15	.2	340.8	9157	-28.2	15	.2	338.5	9092	0.0	0	0.0	0.0	0	-28.4	17	.2	338.3	9099	325	
350	-23.9	16	.3	337.6	8619	-23.7	13	.2	337.7	8555	0.0	0	0.0	0.0	0	-23.8	15	.2	337.7	8562	350	
375	-20.2	17	.3	336.2	8112	-19.9	12	.3	336.4	8047	0.0	0	0.0	0.0	0	-19.8	19	.4	337.0	8054	375	
400	-15.6	17	.5	336.6	7629	-16.7	13	.3	334.6	7565	-19.3	45	.9	333.3	7514	-16.9	39	1.0	336.7	7572	400	
425	-11.9	16	.6	335.9	7169	-13.7	13	.4	333.0	7107	-16.3	15	.4	329.5	7061	-14.3	30	.9	333.9	7115	425	
450	-8.4	15	.7	335.2	6728	-10.8	14	.5	331.5	6670	-13.2	14	.4	328.3	6628	-11.3	27	1.0	332.6	6679	450	
475	-5.6	15	.8	333.9	6306	-8.2	22	.9	331.2	6252	-10.2	13	.5	327.2	6214	-8.4	45	1.9	334.2	6262	475	
500	-3.0	15	.9	332.8	5903	-6.0	40	1.9	332.5	5852	-8.0	38	1.6	328.8	5817	-6.0	67	3.3	336.8	5861	500	
525	-1.5	15	1.1	332.3	5514	-2.6	31	1.9	331.8	5468	-5.7	81	3.9	334.4	5436	-3.8	75	4.1	337.5	5477	525	
550	2.4	14	1.2	331.1	5140	-1.1	39	2.7	333.1	5097	-3.8	98	5.1	335.9	5069	-2.1	92	5.5	339.4	5108	550	
575	4.6	14	1.2	329.8	4780	1.8	57	4.3	336.1	4739	-1.4	99	6.0	337.1	4716	.0	93	6.2	339.8	4753	575	
600	6.7	13	1.3	328.5	4432	4.3	20	1.7	327.0	4395	1.0	52	3.5	328.8	4375	2.1	93	7.0	340.4	4409	600	
625	8.7	12	1.4	327.2	4096	5.3	45	4.0	331.6	4062	1.2	65	4.3	327.4	4046	4.4	86	7.2	340.1	4078	625	
650	9.0	25	2.7	328.2	3772	7.4	36	3.5	328.9	3740	3.1	94	7.0	333.8	3729	5.5	86	7.5	338.5	3757	650	
675	10.5	19	2.3	325.0	3459	9.2	33	3.5	327.3	3428	4.7	99	7.9	334.7	3421	7.3	63	6.0	332.4	3446	675	
700	13.0	21	2.9	326.4	3154	10.0	58	6.4	333.5	3126	6.7	99	8.8	336.2	3123	9.2	52	5.4	329.6	3146	700	
725	14.2	22	3.0	325.0	2859	10.6	62	6.9	332.1	2834	8.7	92	9.0	336.0	2833	11.3	56	6.5	331.8	2854	725	
750	15.2	26	3.7	325.0	2573	12.4	82	9.9	339.8	2550	10.8	80	8.7	334.3	2550	13.3	60	7.6	334.3	2569	750	
775	16.1	30	4.4	325.1	2295	13.6	84	10.7	340.2	2273	12.7	69	8.2	332.0	2275	15.2	64	8.9	337.1	2292	775	
800	17.1	38	5.8	327.5	2024	14.7	85	11.2	339.9	2004	14.5	64	8.4	331.7	2007	15.6	72	10.1	337.9	2022	800	
825	18.2	48	7.7	331.2	1761	16.0	82	11.5	339.3	1743	15.3	80	10.7	336.3	1746	16.4	80	11.4	339.5	1759	825	
850	19.2	58	9.6	335.0	1505	17.8	75	11.4	338.1	1487	15.4	98	12.8	339.0	1492	17.3	86	12.7	341.3	1504	850	
875	20.2	68	11.6	339.0	1254	19.1	77	12.3	339.3	1238	16.9	92	12.9	338.3	1245	18.2	92	14.1	343.3	1255	875	
900	21.8	70	13.0	342.0	1010	20.3	79	13.3	340.9	995	18.3	87	13.0	337.5	1003	19.1	99	15.5	345.3	1012	900	
925	23.7	69	14.0	344.4	771	21.4	82	14.4	342.6	757	19.7	83	13.0	336.5	767	20.5	97	16.2	346.1	775	925	
950	25.6	68	15.1	346.9	536	22.6	85	15.6	344.4	524	21.1	78	13.1	335.7	536	21.8	95	16.8	346.8	543	950	
975	27.4	68	16.1	349.5	306	24.0	81	15.8	344.1	297	22.5	85	15.2	340.6	309	23.2	94	17.4	347.5	316	975	
1000	28.7	78	19.6	358.2	80	24.7	86	17.1	345.9	74	23.9	92	17.5	345.9	88	24.5	92	18.0	348.1	93	1000	
SFC.	28.9	88	22.4	365.2	0	24.4	96	18.6	348.9	0	24.4	95	18.4	348.1	0	25.0	91	18.3	348.4	0	SFC.	
				SURFACE PRESSURE	1009.0				SURFACE PRESSURE	1008.4				SURFACE PRESSURE	1010.0				SURFACE PRESSURE	1010.6		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/19 1115 GMT						3/19 1820 GMT					3/20 0 7 GMT					3/20 545 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-67.8	0	0.0	459.1	19498	0.0	0	0.0	0.0	0	-67.3	0	0.0	460.3	19513	0.0	0	0.0	0.0	0	60	
70	-68.6	17	.0	437.6	18574	0.0	0	0.0	0.0	0	-70.9	0	0.0	432.8	18589	0.0	0	0.0	0.0	0	70	
80	-74.5	18	.0	409.0	17781	0.0	0	0.0	0.0	0	-67.9	0	0.0	422.7	17792	0.0	0	0.0	0.0	0	80	
90	-77.7	18	.0	389.2	17105	0.0	0	0.0	0.0	0	-79.4	17	.0	385.7	17105	0.0	0	0.0	0.0	0	90	
100	-76.9	19	.0	379.2	16501	0.0	0	0.0	0.0	0	-77.4	17	.0	378.2	16506	0.0	0	0.0	0.0	0	100	
110	-75.9	18	.0	370.8	15952	0.0	0	0.0	0.0	0	-77.4	18	.0	368.0	15959	0.0	0	0.0	0.0	0	110	
120	-75.7	17	.0	362.2	15449	0.0	0	0.0	0.0	0	-75.8	18	.0	362.0	15458	0.0	0	0.0	0.0	0	120	
130	-74.5	17	.0	356.1	14985	0.0	0	0.0	0.0	0	-73.5	18	.0	357.8	14994	0.0	0	0.0	0.0	0	130	
140	-71.1	17	.0	354.5	14551	0.0	0	0.0	0.0	0	-69.9	17	.0	356.7	14557	0.0	0	0.0	0.0	0	140	
150	-68.1	17	.0	352.9	14139	0.0	0	0.0	0.0	0	-67.8	17	.0	353.3	14143	0.0	0	0.0	0.0	0	150	
160	-65.2	17	.0	351.3	13749	0.0	0	0.0	0.0	0	-65.3	17	.0	351.1	13753	0.0	0	0.0	0.0	0	160	
170	-62.5	16	.0	349.8	13377	0.0	0	0.0	0.0	0	-62.7	17	.0	349.3	13382	0.0	0	0.0	0.0	0	170	
180	-59.9	16	.0	348.3	13023	0.0	0	0.0	0.0	0	-60.0	17	.0	348.2	13027	0.0	0	0.0	0.0	0	180	
190	-57.5	16	.0	346.8	12683	0.0	0	0.0	0.0	0	-57.4	17	.0	347.1	12687	0.0	0	0.0	0.0	0	190	
200	-55.2	16	.0	345.4	12357	0.0	0	0.0	0.0	0	-54.9	16	.0	345.9	12361	0.0	0	0.0	0.0	0	200	
225	-49.3	16	.0	343.1	11596	0.0	0	0.0	0.0	0	-48.8	16	.0	343.9	11599	0.0	0	0.0	0.0	0	225	
250	-43.8	15	.0	341.2	10897	0.0	0	0.0	0.0	0	-42.8	16	.1	342.7	10897	0.0	0	0.0	0.0	0	250	
275	-38.2	15	.1	340.2	10248	0.0	0	0.0	0.0	0	-37.4	15	.1	341.4	10247	0.0	0	0.0	0.0	0	275	
300	-33.1	14	.1	339.2	9643	0.0	0	0.0	0.0	0	-32.5	15	.1	340.1	9640	0.0	0	0.0	0.0	0	300	
325	-28.4	14	.2	338.2	9075	0.0	0	0.0	0.0	0	-28.2	15	.2	338.5	9070	0.0	0	0.0	0.0	0	325	
350	-24.9	15	.2	336.0	8541	-22.8	11	.2	338.8	8584	-24.2	14	.2	337.0	8534	-25.4	16	.2	335.4	8543	350	
375	-20.3	13	.3	335.8	8035	-19.9	13	.3	336.3	8075	-20.6	14	.3	335.5	8028	-21.5	17	.3	334.3	8038	375	
400	-17.3	13	.3	333.8	7554	-16.2	13	.4	335.3	7593	-17.1	14	.3	334.1	7547	-17.9	18	.4	333.3	7559	400	
425	-14.7	40	1.2	334.2	7097	-13.2	16	.5	333.9	7134	-13.9	14	.4	332.8	7089	-14.7	18	.5	332.1	7103	425	
450	-11.6	26	.9	332.0	6662	-10.4	18	.7	332.7	6696	-10.9	14	.5	331.5	6653	-11.6	18	.6	330.9	6668	450	
475	-8.2	20	.9	331.0	6245	-7.8	21	.9	331.7	6278	-8.0	14	.6	330.4	6235	-8.8	18	.7	329.9	6251	475	
500	-5.8	34	1.7	331.8	5844	-4.6	22	1.2	331.7	5877	-5.6	20	1.0	329.8	5835	-5.9	30	1.5	331.0	5852	500	
525	-5.2	86	4.3	336.1	5461	-1.4	23	1.5	332.1	5490	-3.6	29	1.6	329.9	5451	-3.4	44	2.5	332.8	5468	525	
550	-2.6	87	5.0	337.2	5094	.6	32	2.3	332.8	5118	-1.5	37	2.3	330.0	5082	-1.7	50	3.1	332.4	5099	550	
575	.1	77	5.2	336.8	4739	2.3	42	3.3	333.7	4760	.7	37	2.6	329.4	4726	1.1	47	3.4	332.4	4743	575	
600	1.0	95	6.6	337.8	4396	3.9	52	4.4	334.9	4415	2.9	36	2.8	328.9	4383	3.1	55	4.4	334.0	4399	600	
625	2.9	96	7.3	338.5	4066	6.3	49	4.7	335.0	4081	4.9	36	3.1	328.4	4051	5.2	49	4.4	332.5	4066	625	
650	5.5	81	7.1	337.2	3746	8.7	44	4.8	334.2	3758	7.1	30	2.9	326.7	3730	7.3	43	4.2	330.9	3745	650	
675	8.0	66	6.6	335.2	3435	10.4	35	4.1	330.6	3445	9.2	20	2.2	323.2	3418	9.0	39	4.1	329.0	3433	675	
700	9.1	70	7.3	334.9	3134	12.0	27	3.3	326.7	3141	10.4	27	3.0	323.8	3116	10.0	39	4.3	327.1	3131	700	
725	11.4	50	5.8	330.0	2841	13.6	18	2.5	322.6	2847	11.5	34	3.9	324.6	2824	11.0	47	5.4	328.3	2839	725	
750	13.3	44	5.6	328.5	2557	14.3	27	3.6	323.8	2561	13.0	25	3.1	320.5	2540	13.0	54	6.8	331.5	2555	750	
775	14.2	58	7.6	332.1	2280	15.0	35	4.9	325.1	2284	14.5	25	3.3	319.7	2264	14.8	33	4.6	324.1	2278	775	
800	14.7	65	8.6	332.6	2012	15.6	44	6.1	326.4	2015	15.8	36	5.0	323.4	1995	15.4	60	8.2	332.3	2009	800	
825	15.7	67	9.2	332.3	1750	16.2	62	8.7	331.5	1754	16.4	58	8.2	330.6	1733	15.9	79	10.9	337.5	1747	825	
850	16.8	87	12.4	339.7	1496	17.2	69	10.0	333.8	1499	17.5	61	9.0	331.3	1478	17.0	88	12.6	340.6	1492	850	
875	18.4	75	11.6	336.6	1247	18.7	60	9.3	330.5	1250	18.6	64	9.9	332.0	1230	18.6	87	13.5	342.2	1243	875	
900	19.4	79	12.5	337.4	1004	20.1	63	10.4	332.6	1007	19.6	67	10.7	332.9	987	20.2	86	14.4	343.8	1000	900	
925	20.4	86	14.2	340.5	767	21.3	72	12.5	337.2	770	20.7	69	11.6	333.8	750	21.7	86	15.4	345.5	762	925	
950	21.7	96	16.7	346.5	536	22.6	80	14.7	342.1	538	21.7	72	12.5	335.1	519	23.2	85	16.3	347.2	529	950	
975	23.4	95	17.9	349.2	308	24.9	77	16.0	345.9	310	24.9	76	15.6	344.7	291	24.7	85	17.2	349.0	300	975	
1000	25.0	94	19.1	351.9	85	26.6	84	18.6	352.6	86	28.0	79	19.1	355.9	67	26.1	84	18.2	350.8	77	1000	
SFC.	25.6	94	19.6	352.9	0	26.7	92	20.5	356.9	0	28.9	80	20.3	359.6	0	25.3	90	18.4	349.5	0	SFC.	
				SURFACE PRESSURE	1009.7				SURFACE PRESSURE	1009.7				SURFACE PRESSURE	1007.5				SURFACE PRESSURE	1008.7		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/20 1138 GMT						3/20 1530 GMT					3/20 19 0 GMT					3/20 2055 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-65.1	0	0.0	465.1	19466	-65.2	0	0.0	465.0	19432	0.0	0	0.0	0.0	0	-64.8	0	0.0	465.9	19571	60	
70	-69.6	35	.0	435.5	18535	-72.0	0	0.0	430.4	18506	0.0	0	0.0	0.0	0	-68.1	0	0.0	438.7	18634	70	
80	-73.6	35	.0	411.0	17747	-73.5	0	0.0	411.2	17723	0.0	0	0.0	0.0	0	-72.1	18	.0	414.0	17842	80	
90	-77.0	35	.0	390.6	17065	-76.1	0	0.0	392.3	17037	0.0	0	0.0	0.0	0	-74.6	18	.0	395.4	17153	90	
100	-78.8	35	.0	375.5	16463	-80.4	0	0.0	372.4	16436	0.0	0	0.0	0.0	0	-76.8	18	.0	379.4	16544	100	
110	-77.4	35	.0	368.1	15920	-78.7	0	0.0	365.6	15895	0.0	0	0.0	0.0	0	-76.2	17	.0	370.3	15995	110	
120	-74.9	35	.0	363.5	15418	-76.7	0	0.0	360.3	15398	0.0	0	0.0	0.0	0	-74.8	17	.0	363.7	15492	120	
130	-72.7	35	.0	359.3	14950	-73.2	0	0.0	358.4	14933	0.0	0	0.0	0.0	0	-71.8	17	.0	360.9	15023	130	
140	-70.6	35	.0	355.5	14513	-70.1	0	0.0	356.2	14496	0.0	0	0.0	0.0	0	-69.0	18	.0	358.2	14583	140	
150	-68.7	35	.0	351.9	14102	-67.4	0	0.0	354.1	14083	0.0	0	0.0	0.0	0	-66.4	18	.0	355.7	14168	150	
160	-66.6	35	.0	348.9	13713	-64.8	0	0.0	352.0	13691	0.0	0	0.0	0.0	0	-63.4	18	.0	354.4	13775	160	
170	-63.7	36	.0	347.8	13344	-63.1	0	0.0	348.8	13319	0.0	0	0.0	0.0	0	-60.5	19	.0	353.0	13400	170	
180	-60.9	37	.0	346.7	12991	-61.3	0	0.0	346.0	12967	0.0	0	0.0	0.0	0	-57.8	19	.0	351.7	13042	180	
190	-58.3	38	.0	345.6	12653	-58.9	0	0.0	344.5	12629	0.0	0	0.0	0.0	0	-57.7	19	.0	346.5	12700	190	
200	-55.7	39	.0	344.7	12329	-56.6	0	0.0	343.1	12306	0.0	0	0.0	0.0	0	-55.6	19	.0	344.8	12375	200	
225	-48.8	42	.1	344.1	11567	-50.9	0	0.0	340.5	11550	0.0	0	0.0	0.0	0	-49.4	19	.0	343.0	11614	225	
250	-43.2	28	.1	342.3	10865	-44.5	0	0.0	339.9	10854	0.0	0	0.0	0.0	0	-43.5	19	.1	341.6	10915	250	
275	-38.1	18	.1	340.4	10217	-38.8	M	M	M	10208	0.0	0	0.0	0.0	0	-37.5	19	.1	341.4	10266	275	
300	-33.1	30	.2	339.7	9611	-33.5	M	M	M	9674	0.0	0	0.0	0.0	0	-32.6	20	.2	340.1	9659	300	
325	-29.9	90	.9	338.8	9045	-28.7	M	M	M	9037	0.0	0	0.0	0.0	0	-28.3	23	.3	338.7	9090	325	
350	-25.4	35	.5	336.3	8512	-25.3	M	M	M	8502	-24.4	40	.6	338.2	8572	-25.5	36	.5	336.3	8556	350	
375	-21.6	10	.2	333.8	8008	-21.4	M	M	M	7998	-20.5	30	.6	336.8	8065	-21.6	33	.6	335.3	8051	375	
400	-18.6	10	.2	331.7	7529	-17.7	M	M	M	7518	-16.8	21	.5	335.2	7584	-17.5	16	.4	333.7	7572	400	
425	-15.6	10	.3	330.0	7075	-15.8	M	M	M	7063	-13.5	10	.3	332.8	7126	-13.6	11	.3	332.8	7114	425	
450	-12.2	10	.3	329.2	6641	-12.3	M	M	M	6629	-11.1	10	.4	330.7	6689	-11.4	13	.5	330.7	6678	450	
475	-9.0	10	.4	328.3	6225	-9.0	M	M	M	6214	-7.9	10	.4	329.9	6272	-8.3	14	.6	329.9	6261	475	
500	-6.3	15	.7	328.0	5826	-7.1	M	M	M	5815	-4.7	10	.5	329.3	5871	-5.0	13	.7	329.5	5860	500	
525	-4.8	34	1.7	328.6	5443	-5.9	M	M	M	5434	-1.4	10	.7	329.2	5485	-1.9	12	.8	329.1	5475	525	
550	-3.2	58	3.2	330.9	5076	-3.2	M	M	M	5068	.1	16	1.1	328.2	5113	-.2	15	1.0	327.5	5103	550	
575	-1.0	59	3.7	330.8	4722	-.6	M	M	M	4715	1.0	24	1.7	326.9	4756	1.0	17	1.2	325.4	4747	575	
600	1.7	42	3.0	327.9	4381	1.8	M	M	M	4374	3.4	12	1.0	323.4	4413	3.1	16	1.3	324.0	4404	600	
625	4.0	32	2.6	325.6	4050	3.8	M	M	M	4044	5.7	15	1.4	323.9	4081	5.1	14	1.3	322.6	4072	625	
650	5.8	29	2.6	324.1	3730	5.4	M	M	M	3725	6.9	55	5.2	333.4	3759	7.0	13	1.3	321.2	3752	650	
675	7.6	27	2.6	322.6	3421	6.9	M	M	M	3416	8.6	54	5.6	333.0	3448	8.8	14	1.5	320.5	3441	675	
700	9.2	24	2.5	321.0	3120	8.3	M	M	M	3117	10.1	56	6.2	333.1	3146	10.0	24	2.7	322.3	3139	700	
725	10.1	52	5.6	327.9	2829	8.8	52	5.1	324.8	2827	11.6	59	7.0	333.9	2853	11.2	34	3.9	324.3	2847	725	
750	12.1	62	7.3	332.1	2545	11.0	77	8.5	334.0	2545	13.1	58	7.4	333.5	2568	12.4	44	5.3	326.5	2563	750	
775	14.1	32	4.2	322.0	2269	11.5	92	10.2	336.4	2270	13.6	75	9.5	336.8	2291	13.6	53	6.7	328.8	2287	775	
800	14.5	54	7.0	327.9	2001	13.2	96	11.5	338.8	2004	14.3	77	9.9	335.7	2023	14.7	62	8.1	331.2	2019	800	
825	14.5	80	10.1	333.5	1741	14.8	99	12.8	341.5	1743	15.5	82	11.2	337.7	1762	15.9	65	9.0	332.1	1758	825	
850	15.4	89	11.6	335.7	1487	16.1	99	13.6	342.2	1489	17.1	89	13.0	341.8	1507	17.2	67	9.8	332.9	1503	850	
875	16.3	96	13.0	337.8	1240	17.4	99	14.3	342.9	1240	18.6	92	14.4	344.6	1258	18.4	69	10.6	333.8	1254	875	
900	18.1	94	13.8	339.4	998	18.7	99	15.1	343.6	998	20.0	92	15.2	345.8	1014	19.6	71	11.4	334.8	1012	900	
925	19.9	91	14.5	340.9	762	19.9	99	15.8	344.4	761	21.4	92	16.1	347.2	776	20.8	73	12.3	335.9	775	925	
950	21.6	88	15.2	342.3	530	21.0	99	16.6	345.2	530	22.7	92	17.0	348.6	543	21.9	75	13.2	337.0	543	950	
975	23.3	85	15.9	343.7	303	22.2	99	17.3	346.0	303	23.9	92	18.0	350.0	316	23.9	69	13.3	337.2	316	975	
1000	25.0	82	16.6	345.0	81	23.3	99	18.1	346.9	81	25.2	92	18.9	351.5	92	26.7	71	15.9	345.5	93	1000	
SFC.	25.6	81	16.8	345.5	0	23.7	99	18.4	347.2	0	25.7	92	19.3	352.1	0	29.0	84	21.4	362.5	0	SFC.	
				SURFACE PRESSURE	1009.2				SURFACE PRESSURE	1009.3				SURFACE PRESSURE	1010.5				SURFACE PRESSURE	1010.5		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/20 2330 GMT					3/21 245 GMT					3/21 6 1 GMT					3/21 920 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-64.2	0	0.0	467.2	19534	-64.4	0	0.0	466.8	19485	0.0	0	0.0	0.0	0	-65.7	0	0.0	463.9	19453	60	
70	-70.8	0	0.0	432.9	18604	-74.2	0	0.0	425.7	18567	0.0	0	0.0	0.0	0	-71.1	0	0.0	432.4	18520	70	
80	-73.4	20	.0	411.4	17815	-74.6	0	0.0	408.9	17789	0.0	0	0.0	0.0	0	-74.8	21	.0	408.5	17739	80	
90	-76.9	20	.0	390.7	17134	-78.1	20	.0	388.4	17113	0.0	0	0.0	0.0	0	-76.6	21	.0	391.3	17058	90	
100	-75.7	20	.0	381.5	16526	-77.8	21	.0	377.4	16511	0.0	0	0.0	0.0	0	-78.3	21	.0	376.5	16455	100	
110	-76.8	20	.0	369.2	15977	-77.5	21	.0	367.8	15965	0.0	0	0.0	0.0	0	-79.1	21	.0	364.8	15913	110	
120	-74.1	20	.0	365.0	15474	-74.9	21	.0	363.5	15464	0.0	0	0.0	0.0	0	-76.5	21	.0	360.7	15415	120	
130	-71.2	20	.0	362.0	15004	-71.9	20	.0	360.7	14996	0.0	0	0.0	0.0	0	-74.0	20	.0	357.0	14951	130	
140	-68.5	20	.0	359.2	14563	-69.2	20	.0	358.0	14556	0.0	0	0.0	0.0	0	-71.7	20	.0	353.5	14516	140	
150	-65.9	20	.0	356.5	14146	-66.3	21	.0	356.0	14141	0.0	0	0.0	0.0	0	-69.6	20	.0	350.2	14107	150	
160	-62.8	20	.0	355.4	13752	-63.5	21	.0	354.1	13747	0.0	0	0.0	0.0	0	-66.9	20	.0	348.4	13720	160	
170	-59.7	20	.0	354.3	13376	-61.0	22	.0	352.3	13373	0.0	0	0.0	0.0	0	-63.4	20	.0	348.3	13351	170	
180	-57.4	20	.0	352.4	13016	-58.5	23	.0	350.6	13016	0.0	0	0.0	0.0	0	-60.0	19	.0	348.2	12997	180	
190	-56.4	20	.0	348.6	12674	-56.2	23	.0	348.9	12674	0.0	0	0.0	0.0	0	-56.8	19	.0	347.9	12657	190	
200	-55.5	20	.0	345.0	12348	-54.1	24	.0	347.3	12347	0.0	0	0.0	0.0	0	-54.8	20	.0	346.1	12330	200	
225	-49.5	19	.0	342.8	11586	-50.2	31	.1	341.8	11585	0.0	0	0.0	0.0	0	-51.6	21	.0	339.5	11573	225	
250	-43.7	21	.1	341.3	10888	-44.0	36	.1	341.1	10887	0.0	0	0.0	0.0	0	-45.2	14	.0	339.1	10880	250	
275	-38.1	25	.1	340.6	10239	-38.4	41	.2	340.4	10240	0.0	0	0.0	0.0	0	-39.8	26	.1	338.0	10236	275	
300	-33.0	29	.2	339.9	9634	-33.3	45	.3	339.8	9635	0.0	0	0.0	0.0	0	-35.2	16	.1	336.2	9635	300	
325	-29.7	41	.4	337.3	9066	-29.1	54	.6	338.7	9068	0.0	0	0.0	0.0	0	-30.5	50	.5	336.5	9072	325	
350	-25.5	32	.4	336.0	8533	-25.4	64	.9	337.8	8534	-25.7	62	.8	337.2	8537	-26.3	86	1.1	337.3	8540	350	
375	-21.6	24	.4	334.7	8029	-21.6	59	1.1	337.0	8029	-22.1	67	1.2	336.5	8033	-22.5	89	1.5	337.2	8037	375	
400	-18.0	17	.4	333.1	7550	-18.0	52	1.2	336.1	7550	-18.3	48	1.1	335.1	7553	-18.5	53	1.2	335.2	7560	400	
425	-13.9	16	.5	333.1	7093	-14.6	46	1.3	335.1	7094	-14.4	27	.8	333.4	7097	-14.8	17	.5	331.8	7104	425	
450	-10.0	16	.6	333.0	6656	-11.1	15	.6	331.4	6658	-11.7	21	.7	331.3	6662	-12.2	14	.4	329.6	6669	450	
475	-8.6	16	.7	329.8	6239	-7.9	14	.6	330.6	6240	-9.0	17	.7	329.4	6246	-10.1	16	.6	327.6	6254	475	
500	-5.2	16	.8	329.6	5839	-4.8	14	.7	329.8	5839	-5.2	20	1.0	330.4	5845	-6.9	13	.6	326.9	5857	500	
525	-2.1	15	.9	329.4	5453	-1.9	13	.8	329.0	5454	-2.8	14	.8	328.1	5460	-3.5	10	.6	326.3	5474	525	
550	.5	16	1.1	328.7	5082	.8	12	.9	328.2	5082	-.9	16	1.0	326.7	5090	-1.8	20	1.2	326.2	5105	550	
575	.8	18	1.3	325.4	4725	1.6	15	1.1	325.9	4725	.0	23	1.5	325.3	4735	.2	17	1.2	324.3	4750	575	
600	2.8	19	1.4	324.3	4382	3.3	12	1.0	323.3	4381	1.6	10	.7	320.5	4393	2.2	13	1.0	322.1	4408	600	
625	4.7	19	1.6	323.3	4051	5.5	17	1.5	323.9	4049	3.9	19	1.5	322.1	4063	4.1	12	.9	320.5	4078	625	
650	6.5	25	2.3	324.0	3731	7.8	22	2.3	325.3	3728	5.9	27	2.4	323.6	3743	6.2	19	1.8	321.9	3758	650	
675	8.1	36	3.6	326.3	3420	9.0	28	3.0	325.6	3416	7.5	41	3.9	326.6	3434	8.7	14	1.5	320.4	3447	675	
700	9.7	46	5.0	329.0	3119	10.1	40	4.5	327.9	3114	9.0	41	4.2	325.7	3133	9.9	37	4.0	326.3	3146	700	
725	11.2	57	6.5	332.0	2826	10.8	74	8.3	336.5	2822	10.0	92	9.8	339.8	2842	10.9	63	7.1	333.1	2854	725	
750	12.1	72	8.5	335.5	2542	11.8	81	9.4	337.7	2538	11.7	97	11.3	342.9	2558	11.8	87	10.2	339.9	2570	750	
775	13.1	73	8.9	334.7	2266	13.4	76	9.6	336.8	2262	13.2	97	12.1	343.6	2282	13.5	83	10.4	339.4	2293	775	
800	14.2	73	9.3	333.9	1998	14.5	79	10.4	337.3	1993	14.6	97	12.9	344.4	2013	14.9	81	10.8	339.0	2025	800	
825	15.1	74	9.7	333.2	1737	15.1	89	11.8	339.0	1732	16.0	98	13.7	345.3	1751	15.4	98	13.2	343.3	1763	825	
850	16.1	74	10.1	332.5	1483	16.6	91	12.7	340.4	1477	17.3	98	14.5	346.2	1495	16.7	94	13.4	342.5	1508	850	
875	17.0	75	10.5	331.9	1236	18.3	89	13.5	341.8	1229	18.6	98	15.3	347.2	1246	18.1	89	13.5	341.4	1259	875	
900	18.3	80	11.8	334.2	994	19.9	87	14.3	343.1	986	19.8	97	16.0	347.5	1002	19.4	85	13.5	340.2	1017	900	
925	19.6	86	13.4	337.5	758	21.5	85	15.1	344.5	748	20.9	97	16.5	347.5	764	20.9	85	14.3	341.7	779	925	
950	20.9	92	15.1	341.0	527	22.2	93	16.7	346.9	515	21.9	96	17.0	347.4	532	22.4	87	15.9	345.1	547	950	
975	22.5	88	15.8	342.2	301	24.2	93	18.3	351.3	287	22.9	95	17.5	347.4	305	23.9	90	17.5	348.9	319	975	
1000	25.4	87	18.1	349.7	79	26.1	92	20.0	355.9	64	25.6	92	19.5	353.6	82	25.6	92	19.2	353.0	96	1000	
SFC.	26.8	91	20.4	356.9	0	26.7	92	20.6	357.3	0	26.9	91	20.5	357.3	0	26.5	91	20.0	355.1	0	SFC.	
				SURFACE PRESSURE	1008.9				SURFACE PRESSURE	1007.2				SURFACE PRESSURE	1009.3				SURFACE PRESSURE	1010.9		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/21 12 1 GMT						3/21 1743 GMT					3/21 2338 GMT					3/22 555 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-66.0	0	0.0	463.2	19506	0.0	0	0.0	0.0	0	-65.3	0	0.0	464.8	19505	0.0	0	0.0	0.0	0	60	
70	-68.4	0	0.0	438.1	18566	0.0	0	0.0	0.0	0	-70.2	0	0.0	434.3	18572	0.0	0	0.0	0.0	0	70	
80	-72.8	0	0.0	412.5	17777	0.0	0	0.0	0.0	0	-74.1	0	0.0	409.9	17786	0.0	0	0.0	0.0	0	80	
90	-77.5	29	.0	389.6	17092	0.0	0	0.0	0.0	0	-74.9	15	.0	394.7	17102	0.0	0	0.0	0.0	0	90	
100	-77.5	29	.0	378.0	16489	0.0	0	0.0	0.0	0	-75.1	15	.0	382.7	16491	0.0	0	0.0	0.0	0	100	
110	-78.2	29	.0	366.5	15944	0.0	0	0.0	0.0	0	-74.5	16	.0	373.5	15936	0.0	0	0.0	0.0	0	110	
120	-75.3	28	.0	362.8	15443	0.0	0	0.0	0.0	0	-73.7	16	.0	365.7	15430	0.0	0	0.0	0.0	0	120	
130	-72.7	28	.0	359.3	14976	0.0	0	0.0	0.0	0	-71.3	16	.0	361.9	14960	0.0	0	0.0	0.0	0	130	
140	-70.3	27	.0	356.0	14539	0.0	0	0.0	0.0	0	-69.0	15	.0	358.3	14519	0.0	0	0.0	0.0	0	140	
150	-69.6	27	.0	350.3	14129	0.0	0	0.0	0.0	0	-66.8	15	.0	355.0	14104	0.0	0	0.0	0.0	0	150	
160	-66.0	27	.0	349.9	13741	0.0	0	0.0	0.0	0	-66.1	15	.0	349.8	13714	0.0	0	0.0	0.0	0	160	
170	-62.7	27	.0	349.4	13370	0.0	0	0.0	0.0	0	-62.8	15	.0	349.1	13344	0.0	0	0.0	0.0	0	170	
180	-59.6	27	.0	348.8	13015	0.0	0	0.0	0.0	0	-59.8	15	.0	348.4	12989	0.0	0	0.0	0.0	0	180	
190	-56.6	27	.0	348.3	12675	0.0	0	0.0	0.0	0	-57.4	15	.0	347.1	12649	0.0	0	0.0	0.0	0	190	
200	-54.8	27	.0	346.2	12348	0.0	0	0.0	0.0	0	-55.6	15	.0	344.8	12324	0.0	0	0.0	0.0	0	200	
225	-49.9	29	.1	342.2	11586	0.0	0	0.0	0.0	0	-48.3	16	.0	344.6	11561	0.0	0	0.0	0.0	0	225	
250	-44.1	31	.1	341.0	10889	0.0	0	0.0	0.0	0	-41.9	17	.1	344.1	10857	0.0	0	0.0	0.0	0	250	
275	-38.6	31	.2	340.0	10242	0.0	0	0.0	0.0	0	-36.0	18	.1	343.6	10203	0.0	0	0.0	0.0	0	275	
300	-33.2	22	.2	339.3	9637	0.0	0	0.0	0.0	0	-32.1	16	.1	340.7	9593	0.0	0	0.0	0.0	0	300	
325	-29.7	44	.4	337.5	9070	0.0	0	0.0	0.0	0	-29.5	15	.2	336.7	9025	0.0	0	0.0	0.0	0	325	
350	-26.4	66	.8	336.2	8539	-26.0	16	.2	334.6	8524	-26.4	16	.2	334.0	8493	0.0	0	0.0	0.0	0	350	
375	-22.0	71	1.2	337.0	8035	-23.1	32	.5	333.0	8021	-24.4	25	.3	330.7	7993	0.0	0	0.0	0.0	0	375	
400	-19.0	83	1.8	336.5	7558	-19.6	48	1.0	333.0	7546	-20.5	24	.4	330.0	7519	-20.9	59	1.1	331.7	7554	400	
425	-15.5	27	.7	331.7	7103	-15.7	26	.7	331.4	7092	-17.7	19	.4	327.9	7067	-16.5	41	1.0	331.5	7102	425	
450	-12.2	25	.8	331.0	6669	-13.2	26	.8	329.6	6659	-13.0	14	.4	328.6	6637	-12.2	18	.6	330.2	6668	450	
475	-9.8	35	1.3	330.4	6253	-10.4	38	1.4	329.9	6245	-8.9	18	.7	329.7	6221	-8.8	12	.5	329.1	6252	475	
500	-6.7	27	1.2	329.3	5855	-7.3	21	.9	327.4	5848	-6.8	27	1.2	329.0	5822	-5.8	10	.5	327.8	5853	500	
525	-3.8	24	1.3	328.5	5472	-4.4	17	.9	326.3	5465	-4.7	32	1.6	328.4	5440	-3.3	10	.6	326.5	5469	525	
550	-2.1	29	1.7	327.5	5104	-1.9	16	.9	325.2	5097	-1.4	17	1.1	326.2	5071	-1.0	M	M	M	5100	550	
575	-.3	23	1.5	324.8	4749	.6	14	1.0	324.1	4742	.3	18	1.2	324.6	4716	.9	M	M	M	4744	575	
600	1.9	20	1.4	323.2	4408	2.7	17	1.3	323.7	4400	2.0	19	1.4	323.1	4374	2.8	M	M	M	4401	600	
625	4.9	22	1.9	324.5	4077	4.9	19	1.6	323.6	4068	3.6	20	1.5	321.8	4044	4.4	M	M	M	4070	625	
650	7.7	25	2.5	326.0	3755	7.1	20	1.9	323.4	3747	5.1	20	1.7	320.5	3725	6.0	15	1.3	320.4	3750	650	
675	9.8	50	5.6	334.3	3443	9.2	21	2.2	323.4	3436	6.6	28	2.5	321.2	3416	7.7	31	3.1	324.3	3440	675	
700	11.2	48	5.7	332.8	3140	10.2	31	3.4	324.8	3134	8.1	53	5.1	327.5	3117	9.5	54	5.7	330.9	3139	700	
725	12.3	72	9.0	340.3	2846	10.2	61	6.6	330.9	2842	9.8	54	5.7	327.6	2826	11.2	55	6.3	331.1	2847	725	
750	13.3	78	10.0	341.2	2560	10.8	81	8.8	334.7	2559	11.4	55	6.2	327.8	2543	12.5	77	9.4	338.6	2563	750	
775	15.0	81	11.3	343.7	2283	12.3	87	10.1	336.8	2284	12.9	56	6.7	328.1	2268	13.4	96	12.0	343.6	2286	775	
800	15.8	89	12.6	345.2	2012	13.6	92	11.4	339.2	2016	13.7	69	8.5	331.1	2001	14.7	93	12.3	342.8	2017	800	
825	16.6	95	13.8	346.4	1750	14.7	96	12.3	340.0	1755	15.0	70	9.2	331.5	1740	16.0	91	12.7	342.7	1755	825	
850	17.7	94	14.3	346.1	1494	16.3	93	12.8	340.3	1501	16.3	71	9.8	332.0	1486	17.6	91	13.7	344.3	1500	850	
875	18.8	94	14.8	345.9	1244	18.0	89	13.4	341.1	1253	17.6	72	10.5	332.6	1238	19.1	91	14.6	345.9	1250	875	
900	19.8	93	15.2	345.6	1001	19.7	86	13.9	341.8	1010	18.9	73	11.2	333.2	996	20.6	91	15.6	347.6	1006	900	
925	20.9	92	15.7	345.4	763	20.9	89	15.1	343.9	772	20.5	70	11.6	333.5	760	22.1	90	16.6	349.4	768	925	
950	22.0	91	16.2	345.5	531	21.8	92	16.2	345.1	540	22.1	67	11.9	333.7	528	23.5	90	17.6	351.2	534	950	
975	23.8	88	17.0	347.1	303	23.8	87	16.8	346.5	313	23.7	64	12.2	333.8	302	24.9	90	18.6	353.1	305	975	
1000	25.6	84	17.7	348.6	80	25.6	82	17.3	347.6	90	26.7	73	16.4	346.7	79	26.2	90	19.7	355.0	81	1000	
SFC.	26.2	83	17.9	349.2	0	26.4	80	17.4	348.0	0	28.9	86	21.9	363.8	0	26.7	90	20.1	355.7	0	SFC.	
				SURFACE PRESSURE	1009.1				SURFACE PRESSURE	1010.2				SURFACE PRESSURE	1008.9				SURFACE PRESSURE	1009.2		



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/22 1145 GMT					3/22 15 0 GMT					3/22 1812 GMT					3/22 2040 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-67.8	0	0.0	459.0	19362	-65.8	0	0.0	463.6	19414	0.0	0	0.0	0.0	0	-63.1	0	0.0	469.7	19613	60	
70	-69.2	0	0.0	436.5	18434	-65.6	0	0.0	444.0	18478	0.0	0	0.0	0.0	0	-62.5	0	0.0	450.7	18666	70	
80	-73.6	0	0.0	411.0	17653	-77.3	0	0.0	403.4	17695	0.0	0	0.0	0.0	0	-70.3	0	0.0	417.7	17845	80	
90	-79.7	0	0.0	385.1	16980	-79.0	15	.0	386.5	17026	0.0	0	0.0	0.0	0	-75.3	0	0.0	394.0	17154	90	
100	-77.6	0	0.0	377.8	16380	-78.4	15	.0	376.2	16423	0.0	0	0.0	0.0	0	-75.0	0	0.0	382.8	16543	100	
110	-80.3	0	0.0	362.6	15837	-80.5	14	.0	362.2	15885	0.0	0	0.0	0.0	0	-78.1	22	.0	366.7	15995	110	
120	-77.7	0	0.0	358.4	15344	-77.1	14	.0	359.6	15391	0.0	0	0.0	0.0	0	-75.1	22	.0	363.2	15495	120	
130	-74.2	0	0.0	356.7	14882	-73.5	14	.0	357.9	14927	0.0	0	0.0	0.0	0	-72.0	22	.0	360.5	15027	130	
140	-70.9	0	0.0	355.0	14446	-70.1	14	.0	356.3	14490	0.0	0	0.0	0.0	0	-69.2	21	.0	357.9	14588	140	
150	-67.8	0	0.0	353.3	14035	-67.0	14	.0	354.7	14076	0.0	0	0.0	0.0	0	-66.6	21	.0	355.5	14173	150	
160	-68.2	0	0.0	346.1	13647	-67.3	14	.0	347.6	13688	0.0	0	0.0	0.0	0	-64.8	21	.0	351.9	13780	160	
170	-64.8	0	0.0	345.9	13280	-64.7	14	.0	346.1	13320	0.0	0	0.0	0.0	0	-63.6	21	.0	347.8	13410	170	
180	-61.5	0	0.0	345.6	12928	-61.2	13	.0	346.1	12969	0.0	0	0.0	0.0	0	-60.2	21	.0	347.9	13056	180	
190	-58.4	0	0.0	345.3	12591	-58.0	12	.0	346.0	12630	0.0	0	0.0	0.0	0	-56.9	22	.0	347.8	12716	190	
200	-55.5	0	0.0	344.9	12266	-54.9	12	.0	345.8	12305	0.0	0	0.0	0.0	0	-53.8	22	.0	347.7	12389	200	
225	-50.1	0	0.0	341.8	11506	-48.7	11	.0	344.0	11541	0.0	0	0.0	0.0	0	-47.3	21	.1	346.3	11621	225	
250	-45.3	0	0.0	338.7	10810	-44.0	10	.0	340.8	10841	0.0	0	0.0	0.0	0	-41.9	20	.1	344.2	10915	250	
275	-40.2	0	0.0	337.1	10168	-39.3	10	.0	338.5	10195	0.0	0	0.0	0.0	0	-37.0	20	.1	342.1	10263	275	
300	-34.6	M	M	M	9567	-34.1	10	.1	337.7	9593	0.0	0	0.0	0.0	0	-32.6	19	.2	340.1	9656	300	
325	-29.9	M	M	M	9002	-29.3	10	.1	336.8	9027	0.0	0	0.0	0.0	0	-28.5	18	.2	338.2	9087	325	
350	-26.7	M	M	M	8471	-26.4	10	.1	333.7	8494	-24.7	13	.2	336.2	8529	-24.7	17	.3	336.5	8552	350	
375	-23.4	M	M	M	7969	-22.6	10	.2	332.4	7991	-21.0	12	.2	334.8	8023	-21.2	17	.3	334.8	8046	375	
400	-21.6	M	M	M	7495	-19.0	10	.2	331.1	7514	-17.5	12	.3	333.4	7543	-17.9	16	.4	333.2	7567	400	
425	-17.5	M	M	M	7045	-17.4	19	.4	328.4	7061	-14.2	12	.4	332.1	7086	-15.0	17	.5	331.6	7111	425	
450	-13.7	M	M	M	6614	-13.3	17	.5	328.5	6630	-12.5	15	.5	329.4	6651	-12.8	37	1.2	331.4	6677	450	
475	-10.1	M	M	M	6200	-9.7	15	.6	328.1	6215	-8.6	16	.7	329.8	6235	-9.3	27	1.1	330.2	6262	475	
500	-7.2	M	M	M	5803	-7.0	14	.6	326.8	5817	-5.1	20	1.0	330.5	5834	-6.1	30	1.5	330.8	5863	500	
525	-4.7	M	M	M	5421	-4.6	13	.7	325.4	5435	-3.7	41	2.3	331.8	5450	-3.4	37	2.1	331.4	5479	525	
550	-2.4	M	M	M	5053	-3.0	17	1.0	324.0	5068	-2.9	30	1.7	326.4	5082	-.8	37	2.4	331.3	5109	550	
575	-.9	M	M	M	4700	-.4	17	1.1	323.3	4714	-.6	28	1.8	325.4	4728	.5	31	2.2	327.9	4753	575	
600	.6	M	M	M	4360	2.2	16	1.2	322.7	4372	1.6	27	1.9	324.4	4386	2.4	32	2.4	327.1	4410	600	
625	2.8	M	M	M	4031	4.2	34	2.8	326.5	4042	3.7	26	2.1	323.7	4056	4.2	33	2.7	326.3	4079	625	
650	4.8	M	M	M	3713	5.7	60	5.3	332.2	3721	4.5	58	4.8	329.1	3737	6.0	34	3.0	325.7	3759	650	
675	6.8	M	M	M	3405	7.7	47	4.6	328.8	3411	5.0	71	5.7	329.0	3430	7.6	44	4.3	327.7	3449	675	
700	8.7	M	M	M	3106	6.7	73	6.4	329.3	3112	7.6	87	8.2	335.6	3130	9.2	54	5.6	330.1	3148	700	
725	10.5	M	M	M	2815	9.4	99	10.1	340.0	2822	10.0	68	7.2	332.5	2839	11.5	53	6.2	331.4	2856	725	
750	11.7	M	M	M	2533	10.9	99	10.9	340.6	2539	12.3	63	7.5	332.8	2556	13.8	52	6.8	332.6	2571	750	
775	12.1	M	M	M	2259	12.8	91	11.0	340.0	2263	14.5	59	7.9	333.4	2279	15.8	51	7.4	333.4	2293	775	
800	14.3	M	M	M	1993	15.1	75	10.2	337.5	1995	16.6	56	8.3	333.9	2010	16.9	48	7.3	331.4	2023	800	
825	15.6	M	M	M	1733	16.6	65	9.4	334.2	1733	18.1	50	7.9	331.7	1746	18.0	46	7.2	329.5	1760	825	
850	16.8	M	M	M	1480	18.1	56	8.6	330.6	1477	19.0	42	6.9	327.0	1490	18.8	48	7.7	329.1	1504	850	
875	18.0	M	M	M	1233	19.5	46	7.6	326.7	1228	19.2	46	7.3	325.5	1241	19.1	59	9.4	331.3	1255	875	
900	19.2	M	M	M	992	20.9	37	6.4	322.4	985	19.5	52	8.2	325.8	999	20.6	51	8.6	328.2	1012	900	
925	20.4	M	M	M	757	22.1	60	10.8	333.5	748	20.7	63	10.4	330.8	762	21.3	63	10.9	332.9	774	925	
950	21.6	M	M	M	527	21.9	82	14.4	340.4	515	21.9	73	12.8	336.0	530	23.1	66	12.5	336.7	542	950	
975	22.8	M	M	M	301	23.0	88	16.2	344.1	288	23.1	83	15.3	341.7	304	25.1	66	13.7	339.9	314	975	
1000	24.0	M	M	M	79	24.2	94	18.3	348.5	66	25.2	90	18.5	350.4	81	27.5	57	13.3	339.1	90	1000	
SFC.	24.4	99	19.2	350.4	0	24.6	96	18.9	349.9	0	26.1	92	19.8	354.1	0	28.5	53	13.0	338.4	0	SFC.	
				SURFACE PRESSURE	1009.0				SURFACE PRESSURE	1007.5				SURFACE PRESSURE	1009.2				SURFACE PRESSURE	1010.2		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/23 0 0 GMT						3/23 3 0 GMT					3/23 550 GMT					3/23 850 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-63.7	0	0.0	468.3	19559	-67.1	0	0.0	460.7	19542	0.0	0	0.0	0.0	0	-68.0	0	0.0	458.7	19467	60	
70	-64.6	0	0.0	446.2	18619	-65.4	23	.0	444.6	18610	0.0	0	0.0	0.0	0	-68.0	20	.0	439.0	18545	70	
80	-72.7	20	.0	412.8	17810	-68.5	24	.0	421.4	17794	0.0	0	0.0	0.0	0	-71.5	20	.0	415.2	17746	80	
90	-76.8	21	.0	390.9	17126	-74.3	25	.0	395.9	17100	0.0	0	0.0	0.0	0	-78.6	20	.0	387.5	17065	90	
100	-75.1	21	.0	382.7	16518	-74.1	25	.0	384.6	16488	0.0	0	0.0	0.0	0	-76.0	20	.0	380.9	16460	100	
110	-79.2	21	.0	364.6	15970	-77.5	25	.0	367.9	15939	0.0	0	0.0	0.0	0	-76.8	20	.0	369.1	15911	110	
120	-76.2	21	.0	361.3	15472	-75.2	24	.0	363.0	15438	0.0	0	0.0	0.0	0	-77.6	20	.0	358.6	15412	120	
130	-73.3	21	.0	358.2	15007	-73.2	24	.0	358.4	14971	0.0	0	0.0	0.0	0	-74.2	20	.0	356.6	14949	130	
140	-70.7	21	.0	355.3	14570	-70.2	24	.0	356.2	14534	0.0	0	0.0	0.0	0	-71.1	20	.0	354.6	14514	140	
150	-68.2	21	.0	352.6	14158	-67.3	24	.0	354.2	14121	0.0	0	0.0	0.0	0	-68.2	20	.0	352.7	14103	150	
160	-65.9	21	.0	350.0	13769	-64.6	24	.0	352.4	13730	0.0	0	0.0	0.0	0	-65.5	20	.0	350.8	13713	160	
170	-63.7	21	.0	347.7	13399	-62.0	24	.0	350.6	13357	0.0	0	0.0	0.0	0	-63.1	20	.0	348.7	13342	170	
180	-60.8	22	.0	346.9	13046	-59.6	24	.0	348.9	13002	0.0	0	0.0	0.0	0	-61.2	20	.0	346.3	12989	180	
190	-58.0	22	.0	346.0	12708	-57.3	24	.0	347.2	12662	0.0	0	0.0	0.0	0	-59.3	20	.0	343.9	12652	190	
200	-55.4	22	.0	345.1	12383	-55.1	24	.0	345.6	12336	0.0	0	0.0	0.0	0	-56.9	20	.0	342.7	12329	200	
225	-49.1	24	.0	343.5	11621	-49.1	25	.0	343.5	11574	0.0	0	0.0	0.0	0	-50.6	19	.0	341.2	11572	225	
250	-42.8	26	.1	342.8	10920	-43.5	27	.1	341.8	10874	0.0	0	0.0	0.0	0	-44.1	17	.1	340.8	10876	250	
275	-37.2	28	.2	342.0	10269	-38.4	28	.1	340.2	10225	0.0	0	0.0	0.0	0	-38.2	16	.1	340.3	10228	275	
300	-32.4	23	.2	340.5	9662	-33.4	37	.3	339.5	9621	0.0	0	0.0	0.0	0	-32.8	14	.1	339.6	9622	300	
325	-28.1	18	.2	338.7	9092	-30.1	18	.2	335.9	9054	0.0	0	0.0	0.0	0	-29.8	15	.1	336.2	9055	325	
350	-25.3	14	.2	335.5	8557	-25.4	15	.2	335.4	8522	0.0	0	0.0	0.0	0	-25.9	15	.2	334.7	8522	350	
375	-21.3	14	.3	334.5	8052	-21.6	15	.3	334.0	8017	0.0	0	0.0	0.0	0	-22.2	16	.3	333.3	8019	375	
400	-17.5	14	.3	333.6	7573	-18.2	14	.3	332.6	7538	-18.5	14	.3	332.2	7527	-18.7	16	.3	332.0	7541	400	
425	-14.4	15	.4	332.2	7116	-15.1	17	.5	331.3	7083	-16.0	16	.4	330.0	7073	-15.5	20	.5	331.1	7087	425	
450	-12.0	28	.9	331.6	6681	-12.2	19	.6	330.3	6648	-13.4	61	1.8	332.8	6640	-12.5	24	.8	330.4	6653	450	
475	-8.5	26	1.1	331.4	6265	-9.1	26	1.0	330.4	6233	-9.8	33	1.3	330.3	6225	-9.6	28	1.1	329.9	6237	475	
500	-6.0	41	2.0	332.6	5865	-6.2	34	1.6	331.1	5834	-6.7	32	1.5	330.0	5827	-7.1	40	1.8	330.5	5839	500	
525	-3.4	37	2.1	331.5	5481	-3.8	48	2.7	332.9	5450	-5.4	62	3.0	332.0	5445	-5.3	63	3.1	332.2	5457	525	
550	-1.0	33	2.1	330.2	5111	-1.4	41	2.6	331.1	5081	-3.1	63	3.5	331.7	5078	-3.0	53	3.0	330.4	5090	550	
575	1.2	32	2.3	329.2	4755	.9	27	1.9	327.7	4725	-1.2	37	2.3	326.2	4724	-.8	33	2.0	325.9	4736	575	
600	3.1	34	2.7	328.6	4411	2.6	28	2.2	326.4	4382	.4	53	3.5	327.9	4384	1.1	30	2.0	324.3	4395	600	
625	4.9	36	3.1	328.1	4079	3.7	41	3.3	327.3	4051	2.2	61	4.4	328.9	4055	2.8	45	3.4	326.6	4066	625	
650	6.6	37	3.5	327.8	3758	6.1	42	3.8	328.1	3731	4.5	66	5.4	331.0	3736	4.4	60	4.8	329.2	3747	650	
675	8.5	51	5.2	331.7	3447	8.3	43	4.4	329.1	3420	7.3	59	5.6	331.4	3427	7.0	51	4.8	328.5	3438	675	
700	10.6	63	7.3	336.8	3145	10.5	45	5.1	330.2	3118	9.7	56	6.1	332.2	3126	9.0	57	5.8	330.6	3138	700	
725	13.0	58	7.5	336.9	2851	12.7	46	5.8	331.5	2825	11.7	59	7.0	334.0	2833	11.0	62	7.0	333.0	2845	725	
750	15.3	52	7.6	336.8	2565	14.7	47	6.6	333.0	2539	13.7	43	5.7	329.1	2548	13.3	34	4.3	324.5	2561	750	
775	16.7	48	7.4	334.7	2286	16.2	38	5.6	328.8	2261	15.6	19	2.7	319.5	2271	15.4	21	3.0	320.0	2285	775	
800	17.8	44	7.1	331.9	2014	17.6	41	6.4	329.7	1990	17.4	21	3.2	320.0	2001	16.0	51	7.3	330.4	2015	800	
825	19.0	46	7.6	331.9	1751	18.4	54	8.8	334.6	1726	18.4	23	3.7	319.7	1738	16.4	66	9.4	333.9	1753	825	
850	20.1	53	9.3	335.1	1493	19.5	44	7.3	328.6	1470	18.0	55	8.4	330.2	1482	16.8	79	11.3	336.7	1498	850	
875	21.0	61	11.0	338.1	1242	20.0	56	9.4	332.5	1220	17.3	95	13.6	340.7	1234	17.3	91	13.0	339.2	1250	875	
900	21.3	69	12.3	339.4	998	20.5	68	11.6	336.3	976	19.0	96	14.9	343.6	992	19.0	90	14.1	341.3	1008	900	
925	21.6	77	13.6	340.5	760	21.3	76	13.3	339.3	739	20.9	92	15.6	345.0	755	20.7	90	15.1	343.6	770	925	
950	23.7	72	14.2	342.0	527	23.3	73	13.9	340.8	506	22.7	88	16.2	346.3	522	22.4	89	16.2	345.8	538	950	
975	25.7	68	14.7	343.2	298	25.1	70	14.5	342.2	278	24.4	84	16.8	347.4	294	23.9	89	17.3	348.2	310	975	
1000	28.2	69	16.8	349.8	74	27.0	67	15.1	343.5	54	26.1	84	18.2	350.9	71	25.5	88	18.4	350.6	87	1000	
SFC.	29.4	74	19.3	357.4	0	27.4	66	15.3	343.8	0	26.7	88	19.6	354.7	0	26.1	88	18.9	351.6	0	SFC.	
				SURFACE PRESSURE	1008.3				SURFACE PRESSURE	1006.1				SURFACE PRESSURE	1008.0				SURFACE PRESSURE	1009.9		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

P	T	3/23 12 00 GMT					3/23 1455 GMT					3/23 1751 GMT					3/23 2030 GMT					P
		RH	W	EPT	H		T	RH	W	EPT	H		T	RH	W	EPT	H		T	RH	W	
60	-66.5	0	0.0	462.1	19437	-67.6	0	0.0	459.6	19361	0.0	0	0.0	0.0	0	-64.9	0	0.0	465.6	19592	60	
70	-68.5	0	0.0	437.8	18513	-70.1	0	0.0	434.4	18444	0.0	0	0.0	0.0	0	-68.4	10	0.0	438.1	18666	70	
80	-72.9	17	.0	412.5	17721	-74.3	24	.0	409.6	17659	0.0	0	0.0	0.0	0	-70.2	10	0.0	418.1	17868	80	
90	-74.1	17	.0	396.4	17031	-79.6	24	.0	385.3	16984	0.0	0	0.0	0.0	0	-75.2	10	0.0	394.2	17177	90	
100	-75.9	17	.0	381.1	16420	-77.0	24	.0	379.0	16382	0.0	0	0.0	0.0	0	-74.5	10	0.0	383.8	16565	100	
110	-75.9	17	.0	370.9	15869	-76.7	24	.0	369.4	15834	0.0	0	0.0	0.0	0	-75.7	10	0.0	371.2	16012	110	
120	-77.1	17	.0	359.6	15368	-78.4	24	.0	357.1	15337	0.0	0	0.0	0.0	0	-75.0	10	0.0	363.4	15509	120	
130	-74.1	17	.0	356.8	14905	-75.8	24	.0	353.8	14878	0.0	0	0.0	0.0	0	-73.1	10	0.0	358.6	15042	130	
140	-70.9	17	.0	354.9	14470	-72.2	24	.0	352.7	14446	0.0	0	0.0	0.0	0	-70.7	10	0.0	355.3	14606	140	
150	-68.4	17	.0	352.3	14058	-68.8	23	.0	351.6	14037	0.0	0	0.0	0.0	0	-67.6	10	0.0	353.6	14194	150	
160	-66.3	17	.0	349.5	13669	-65.7	23	.0	350.5	13648	0.0	0	0.0	0.0	0	-64.7	10	0.0	352.0	13803	160	
170	-63.9	17	.0	347.4	13300	-63.3	23	.0	348.4	13277	0.0	0	0.0	0.0	0	-62.0	10	0.0	350.6	13430	170	
180	-61.6	17	.0	345.4	12948	-61.4	23	.0	345.9	12924	0.0	0	0.0	0.0	0	-59.0	10	0.0	349.8	13074	180	
190	-59.2	17	.0	344.1	12611	-59.1	23	.0	344.3	12587	0.0	0	0.0	0.0	0	-56.1	10	0.0	349.1	12733	190	
200	-56.7	17	.0	343.0	12288	-57.0	23	.0	342.7	12264	0.0	0	0.0	0.0	0	-53.4	10	0.0	348.3	12405	200	
225	-51.1	17	.0	340.3	11532	-50.9	22	.0	340.6	11509	0.0	0	0.0	0.0	0	-47.2	10	0.0	346.4	11636	225	
250	-44.6	16	.0	339.9	10836	-44.6	20	.1	340.0	10813	0.0	0	0.0	0.0	0	-41.6	10	0.0	344.4	10930	250	
275	-38.8	14	.1	339.4	10190	-38.9	19	.1	339.2	10167	0.0	0	0.0	0.0	0	-36.5	10	.1	342.6	10277	275	
300	-33.4	13	.1	338.7	9586	-33.7	17	.1	338.4	9564	0.0	0	0.0	0.0	0	-31.9	10	.1	340.8	9668	300	
325	-30.3	13	.1	335.5	9020	-31.1	34	.3	335.0	9000	0.0	0	0.0	0.0	0	-28.6	37	.4	338.8	9098	325	
350	-26.4	13	.2	333.9	8489	-27.0	22	.3	333.4	8470	-25.6	42	.6	336.4	8530	-25.1	10	.1	335.5	8564	350	
375	-22.8	14	.2	332.4	7986	-23.2	20	.3	332.1	7969	-21.3	36	.7	336.0	8025	-20.9	10	.2	334.8	8058	375	
400	-19.4	14	.3	330.9	7510	-19.6	23	.5	331.3	7493	-17.3	18	.4	334.2	7545	-16.9	10	.3	334.0	7578	400	
425	-15.7	13	.4	330.3	7056	-16.2	25	.6	330.5	7039	-14.4	19	.6	332.6	7089	-13.4	10	.3	333.1	7119	425	
450	-12.2	13	.4	329.6	6622	-13.0	27	.8	329.9	6607	-11.7	19	.7	331.0	6653	-10.3	10	.4	331.7	6682	450	
475	-9.7	18	.7	328.4	6207	-10.8	35	1.2	328.9	6193	-8.9	20	.8	330.0	6237	-7.7	10	.4	330.2	6264	475	
500	-7.4	22	1.0	327.5	5809	-8.8	42	1.7	328.1	5797	-6.9	27	1.2	329.0	5838	-5.2	10	.5	328.7	5863	500	
525	-6.0	58	2.7	330.2	5428	-7.7	65	2.7	328.0	5418	-4.6	34	1.8	328.9	5455	-2.8	10	.6	327.3	5478	525	
550	-4.2	71	3.6	330.9	5062	-5.0	65	3.1	328.3	5054	-2.5	41	2.4	329.1	5087	-1.8	27	1.6	327.6	5109	550	
575	-1.6	31	1.8	324.3	4710	-2.4	60	3.3	328.0	4702	-.5	48	3.1	329.6	4733	-.2	34	2.2	327.2	4754	575	
600	-.2	50	3.1	326.0	4370	-.4	46	2.8	325.0	4363	1.5	54	3.8	330.3	4391	1.8	38	2.7	327.3	4412	600	
625	2.0	51	3.6	326.3	4042	1.4	63	4.3	327.6	4035	3.1	55	4.2	329.4	4061	4.2	33	2.7	326.3	4081	625	
650	4.1	53	4.1	326.6	3724	3.8	65	5.0	329.0	3717	4.7	55	4.5	328.6	3742	6.6	28	2.6	325.1	3761	650	
675	6.1	54	4.7	327.1	3415	6.2	66	5.8	330.5	3409	6.2	56	4.9	327.9	3433	8.8	23	2.4	323.6	3450	675	
700	8.6	51	5.2	328.1	3116	8.4	67	6.6	332.1	3109	7.9	59	5.6	328.6	3134	11.0	18	2.2	321.9	3148	700	
725	11.6	16	1.9	318.5	2824	10.6	68	7.5	334.0	2817	10.0	67	7.1	332.2	2843	12.4	24	3.0	322.9	2855	725	
750	13.0	18	2.2	317.9	2540	9.9	72	7.4	329.4	2534	12.1	74	8.8	336.2	2559	13.6	34	4.4	325.3	2570	750	
775	13.5	41	5.2	324.3	2265	11.6	73	8.1	330.3	2261	13.8	77	9.9	338.2	2283	15.7	39	5.6	328.0	2293	775	
800	13.5	77	9.4	333.3	1997	13.7	74	9.2	332.8	1994	15.2	77	10.5	338.5	2014	16.8	45	6.7	329.8	2023	800	
825	14.5	91	11.6	337.7	1737	15.3	77	10.3	334.9	1733	16.6	77	11.1	338.9	1752	17.9	51	8.0	331.6	1760	825	
850	16.2	92	12.6	339.6	1483	16.8	80	11.5	337.2	1478	17.9	77	11.8	339.3	1496	18.9	57	9.3	333.6	1504	850	
875	17.6	92	13.5	341.0	1234	18.2	93	14.2	343.5	1230	18.8	90	14.2	344.2	1247	19.6	61	10.1	333.9	1254	875	
900	18.7	93	14.2	341.3	992	19.6	99	15.9	347.1	987	19.8	99	16.2	348.1	1003	20.2	65	10.8	333.9	1011	900	
925	20.2	93	15.1	342.9	755	20.9	98	16.7	348.1	749	20.9	99	16.9	348.7	766	20.8	69	11.6	334.0	773	925	
950	22.0	93	16.5	346.2	523	22.2	97	17.5	349.2	516	22.9	95	17.9	351.3	533	22.6	83	15.3	343.6	541	950	
975	23.8	92	17.9	349.6	296	23.4	97	18.3	350.3	289	25.0	91	18.9	354.1	304	24.5	73	14.7	341.8	314	975	
1000	25.5	92	19.3	353.1	72	24.6	96	19.1	351.4	66	27.1	87	19.9	356.8	80	26.6	72	16.0	345.5	90	1000	
SFC.	26.1	92	19.8	354.3	0	25.0	96	19.4	351.7	0	27.8	85	20.2	357.7	0	27.5	74	17.2	348.8	0	SFC.	
				SURFACE PRESSURE	1008.2				SURFACE PRESSURE	1007.5				SURFACE PRESSURE	1009.0				SURFACE PRESSURE	1010.2		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/24 020 GMT						3/24 255 GMT						3/24 6 0 GMT						3/24 1215 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-68.5	0	0.0	457.6	19634	-67.5	0	0.0	459.8	19614	0.0	0	0.0	0.0	0	-63.5	0	0.0	468.8	19404	60		
70	-70.4	0	0.0	433.8	18712	-69.2	0	0.0	436.4	18697	0.0	0	0.0	0.0	0	-71.6	0	0.0	431.1	18476	70		
80	-70.5	0	0.0	417.3	17918	-69.4	12	.0	419.6	17900	0.0	0	0.0	0.0	0	-73.6	21	.0	410.9	17697	80		
90	-74.7	10	.0	395.2	17231	-73.7	14	.0	397.1	17198	0.0	0	0.0	0.0	0	-79.1	21	.0	386.3	17020	90		
100	-74.5	10	.0	383.8	16619	-73.9	14	.0	385.0	16545	0.0	0	0.0	0.0	0	-78.3	21	.0	376.5	16420	100		
110	-75.8	10	.0	371.1	16067	-73.1	14	.0	376.2	16027	0.0	0	0.0	0.0	0	-79.1	21	.0	364.8	15876	110		
120	-73.5	10	.0	366.2	15561	-74.6	14	.0	364.1	15519	0.0	0	0.0	0.0	0	-78.5	21	.0	357.0	15383	120		
130	-71.4	10	.0	361.7	15091	-74.0	14	.0	357.0	15054	0.0	0	0.0	0.0	0	-75.1	21	.0	354.9	14923	130		
140	-69.3	10	.0	357.8	14651	-71.0	14	.0	354.8	14619	0.0	0	0.0	0.0	0	-72.1	21	.0	352.9	14490	140		
150	-66.0	10	.0	356.5	14236	-68.2	14	.0	352.7	14218	0.0	0	0.0	0.0	0	-70.3	21	.0	349.0	14081	150		
160	-62.9	10	.0	355.2	13841	-65.3	14	.0	351.1	13818	0.0	0	0.0	0.0	0	-67.6	21	.0	347.2	13696	160		
170	-60.0	10	.0	353.9	13465	-62.3	14	.0	350.1	13446	0.0	0	0.0	0.0	0	-64.4	20	.0	346.5	13328	170		
180	-57.3	10	.0	352.6	13106	-59.4	14	.0	349.1	13091	0.0	0	0.0	0.0	0	-61.3	20	.0	346.1	12976	180		
190	-54.7	10	.0	351.3	12762	-56.7	13	.0	348.1	12750	0.0	0	0.0	0.0	0	-58.3	20	.0	345.6	12638	190		
200	-52.3	10	.0	350.1	12432	-54.1	13	.0	347.2	12423	0.0	0	0.0	0.0	0	-55.4	19	.0	345.1	12313	200		
225	-46.3	10	.0	347.7	11661	-47.7	13	.0	345.6	11657	0.0	0	0.0	0.0	0	-48.9	19	.0	343.8	11551	225		
250	-40.2	10	.0	346.5	10951	-41.3	12	.0	345.0	10951	0.0	0	0.0	0.0	0	-43.0	18	.1	342.4	10850	250		
275	-34.8	10	.1	345.2	10293	-35.5	11	.1	344.2	10296	0.0	0	0.0	0.0	0	-38.5	18	.1	339.8	10201	275		
300	-29.8	10	.1	343.9	9679	-30.2	11	.1	343.4	9683	0.0	0	0.0	0.0	0	-33.1	17	.1	339.2	9596	300		
325	-26.0	12	.2	341.6	9104	-25.3	15	.2	342.8	9108	0.0	0	0.0	0.0	0	-28.2	17	.2	338.6	9028	325		
350	-23.4	15	.2	338.2	8565	-22.3	35	.6	341.2	8566	-23.4	M	M	M	8515	-23.6	16	.3	338.0	8491	350		
375	-19.2	10	.2	337.2	8056	-19.8	37	.8	338.4	8057	-21.5	M	M	M	8009	-19.8	35	.7	338.2	7982	375		
400	-15.7	10	.3	335.7	7573	-16.6	11	.3	334.6	7575	-17.8	M	M	M	7530	-17.4	75	1.8	338.9	7501	400		
425	-11.8	10	.4	335.3	7112	-12.8	10	.3	333.9	7116	-14.6	M	M	M	7074	-15.5	89	2.4	337.3	7044	425		
450	-9.0	10	.4	333.6	6672	-9.3	10	.4	333.2	6677	-11.5	M	M	M	6639	-12.4	16	.5	329.5	6611	450		
475	-7.7	10	.5	330.2	6252	-6.5	11	.5	331.9	6257	-8.9	M	M	M	6222	-10.4	42	1.5	330.5	6196	475		
500	-4.8	10	.5	329.2	5851	-4.1	12	.7	330.6	5855	-6.6	M	M	M	5824	-8.7	30	1.2	326.6	5800	500		
525	-2.0	10	.6	328.3	5466	-1.7	13	.8	329.4	5468	-4.5	M	M	M	5441	-7.2	45	1.9	326.2	5421	525		
550	-.7	22	1.5	328.4	5095	.5	14	1.0	328.3	5097	-3.3	M	M	M	5074	-5.0	67	3.2	328.6	5056	550		
575	.8	44	3.1	331.2	4739	1.7	32	2.4	330.0	4739	-2.2	M	M	M	4723	-2.7	47	2.5	325.2	4705	575		
600	3.1	34	2.7	328.7	4396	3.2	39	3.1	330.0	4395	.5	M	M	M	4383	-.2	48	3.0	325.7	4366	600		
625	5.7	25	2.3	326.6	4064	5.7	24	2.2	326.3	4063	3.0	M	M	M	4055	2.1	40	2.9	324.2	4038	625		
650	8.1	16	1.7	324.0	3742	7.9	27	2.7	327.0	3741	5.5	M	M	M	3736	4.1	49	3.9	326.0	3720	650		
675	10.3	16	1.8	323.2	3429	9.9	30	3.4	327.8	3429	7.9	M	M	M	3427	6.2	49	4.3	326.2	3411	675		
700	12.2	18	2.2	323.5	3126	11.8	35	4.4	329.5	3125	9.3	M	M	M	3126	8.2	32	3.1	321.4	3112	700		
725	13.4	38	5.0	330.0	2831	12.5	64	8.1	338.1	2831	10.9	48	5.5	328.4	2834	9.8	50	5.3	326.7	2821	725		
750	15.2	28	4.0	326.0	2545	14.3	58	7.9	336.5	2545	13.0	40	5.1	326.6	2550	11.1	55	6.0	327.0	2539	750		
775	15.6	12	1.7	316.3	2267	14.8	72	9.9	339.6	2267	14.0	58	7.6	332.0	2274	12.9	28	3.3	318.2	2264	775		
800	14.7	49	6.4	326.3	2000	15.9	83	11.9	343.2	1998	15.3	75	10.3	338.1	2005	14.3	37	4.7	320.9	1997	800		
825	17.0	69	10.3	337.2	1738	17.0	91	13.6	346.3	1735	16.0	86	12.0	340.8	1743	16.6	29	4.2	319.3	1736	825		
850	18.2	76	11.8	339.8	1482	18.3	94	14.8	348.2	1478	17.0	87	12.7	340.8	1488	16.2	45	6.1	321.3	1482	850		
875	20.1	74	12.7	341.9	1232	19.7	95	15.9	350.1	1228	18.4	89	13.8	342.6	1239	16.9	79	11.0	333.1	1236	875		
900	22.2	71	13.5	343.7	987	21.2	93	16.7	351.3	983	19.7	91	14.9	344.5	996	17.6	91	12.9	336.5	994	900		
925	23.1	73	14.1	343.9	748	22.7	91	17.3	352.3	744	21.0	93	16.0	346.5	758	19.1	95	14.5	339.8	758	925		
950	24.1	73	14.7	344.0	514	24.2	88	18.0	353.1	510	22.3	95	17.2	348.6	525	20.9	90	15.0	340.6	527	950		
975	26.0	66	14.5	343.2	286	25.7	85	18.5	353.9	281	24.0	91	17.7	349.4	298	22.7	85	15.4	341.3	301	975		
1000	27.9	59	14.1	341.8	61	27.5	79	18.7	354.2	56	26.1	88	19.0	352.9	74	24.5	87	17.1	345.7	79	1000		
SFC.	28.4	57	13.9	341.3	0	28.0	78	18.8	354.3	0	26.7	92	20.5	357.1	0	25.2	94	19.1	351.2	0	SFC.		
	SURFACE PRESSURE 1006.9					SURFACE PRESSURE 1006.3					SURFACE PRESSURE 1008.4					SURFACE PRESSURE 1009.0							

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/24 18 2 GMT					3/25 1 0 GMT					3/25 615 GMT					3/25 1239 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	0.0	0	0.0	0.0	0	-67.1	0	0.0	460.7	19491	0.0	0	0.0	0.0	0	-64.5	0	0.0	466.6	19412	60	
70	0.0	0	0.0	0.0	0	-74.3	0	0.0	425.4	18577	0.0	0	0.0	0.0	0	-70.7	0	0.0	433.2	18484	70	
80	0.0	0	0.0	0.0	0	-70.0	0	0.0	418.4	17793	0.0	0	0.0	0.0	0	-74.1	24	.0	409.9	17702	80	
90	0.0	0	0.0	0.0	0	-71.6	20	.0	401.3	17098	0.0	0	0.0	0.0	0	-77.8	24	.0	389.0	17018	90	
100	0.0	0	0.0	0.0	0	-74.5	20	.0	383.8	16481	0.0	0	0.0	0.0	0	-78.5	25	.0	376.1	16420	100	
110	0.0	0	0.0	0.0	0	-77.6	20	.0	367.6	15931	0.0	0	0.0	0.0	0	-77.6	24	.0	367.6	15876	110	
120	0.0	0	0.0	0.0	0	-75.9	20	.0	361.8	15431	0.0	0	0.0	0.0	0	-76.7	21	.0	360.3	15376	120	
130	0.0	0	0.0	0.0	0	-73.1	20	.0	358.5	14966	0.0	0	0.0	0.0	0	-74.6	20	.0	355.9	14914	130	
140	0.0	0	0.0	0.0	0	-70.6	20	.0	355.5	14529	0.0	0	0.0	0.0	0	-71.0	20	.0	354.8	14479	140	
150	0.0	0	0.0	0.0	0	-68.3	20	.0	352.6	14117	0.0	0	0.0	0.0	0	-67.6	20	.0	353.6	14067	150	
160	0.0	0	0.0	0.0	0	-66.1	20	.0	349.8	13728	0.0	0	0.0	0.0	0	-64.7	20	.0	352.2	13676	160	
170	0.0	0	0.0	0.0	0	-64.0	20	.0	347.3	13358	0.0	0	0.0	0.0	0	-62.5	21	.0	349.7	13304	170	
180	0.0	0	0.0	0.0	0	-61.4	20	.0	345.9	13006	0.0	0	0.0	0.0	0	-60.5	21	.0	347.3	12949	180	
190	0.0	0	0.0	0.0	0	-58.3	20	.0	345.5	12669	0.0	0	0.0	0.0	0	-58.6	22	.0	345.0	12611	190	
200	0.0	0	0.0	0.0	0	-55.4	20	.0	345.1	12344	0.0	0	0.0	0.0	0	-56.8	23	.0	342.9	12288	200	
225	0.0	0	0.0	0.0	0	-48.7	20	.0	344.0	11581	0.0	0	0.0	0.0	0	-50.6	23	.0	341.1	11532	225	
250	0.0	0	0.0	0.0	0	-42.8	20	.1	342.8	10879	0.0	0	0.0	0.0	0	-44.4	23	.1	340.3	10836	250	
275	0.0	0	0.0	0.0	0	-37.4	19	.1	341.6	10229	0.0	0	0.0	0.0	0	-38.9	23	.1	339.4	10189	275	
300	0.0	0	0.0	0.0	0	-32.4	19	.2	340.4	9621	0.0	0	0.0	0.0	0	-33.8	23	.2	338.5	9586	300	
325	0.0	0	0.0	0.0	0	-27.9	19	.2	339.2	9052	0.0	0	0.0	0.0	0	-29.3	27	.3	337.5	9019	325	
350	-24.0	12	.2	337.2	8527	-23.7	19	.3	338.1	8515	-25.2	40	.6	336.9	8522	-25.5	39	.5	336.4	8486	350	
375	-19.3	12	.3	337.1	8019	-19.8	19	.4	337.0	8007	-22.4	61	1.0	335.7	8018	-22.9	48	.8	334.2	7984	375	
400	-14.9	12	.4	337.0	7535	-16.1	19	.5	336.0	7524	-17.9	53	1.2	336.2	7539	-19.0	13	.3	331.4	7507	400	
425	-14.6	55	1.6	336.0	7075	-13.8	42	1.3	335.9	7065	-15.2	42	1.2	333.7	7083	-15.5	27	.7	331.7	7052	425	
450	-11.9	39	1.3	332.9	6641	-11.1	32	1.2	333.5	6628	-12.0	16	.5	330.1	6649	-12.8	20	.6	329.5	6619	450	
475	-9.4	18	.7	329.0	6225	-8.4	20	.9	330.7	6211	-9.3	19	.8	329.2	6233	-10.3	20	.7	327.8	6204	475	
500	-7.4	24	1.0	327.6	5827	-6.3	37	1.8	331.6	5811	-6.6	40	1.9	331.5	5835	-7.9	19	.8	326.2	5808	500	
525	-6.0	62	2.9	330.8	5446	-4.6	52	2.7	331.9	5428	-5.0	81	4.1	335.7	5452	-5.7	18	.9	324.7	5427	525	
550	-3.3	41	2.2	327.6	5079	-4.0	45	2.3	327.1	5061	-3.0	44	2.4	328.7	5084	-4.0	69	3.6	331.0	5061	550	
575	-2.7	71	3.9	329.2	4727	-1.6	45	2.6	326.9	4709	-1.7	49	2.9	327.5	4731	-2.4	56	3.1	327.3	4709	575	
600	-.4	63	3.9	328.2	4388	.8	42	2.8	326.2	4369	.2	68	4.4	330.5	4391	-.4	96	6.0	334.3	4369	600	
625	2.1	51	3.6	326.4	4059	3.1	39	3.0	325.6	4039	2.5	64	4.7	330.2	4062	1.2	92	6.2	332.9	4041	625	
650	4.4	39	3.2	324.2	3741	5.3	36	3.1	324.9	3720	4.8	51	4.2	327.8	3743	3.4	79	5.9	331.2	3724	650	
675	6.8	31	2.9	322.5	3433	7.4	33	3.2	324.1	3411	7.0	38	3.5	324.8	3434	5.6	66	5.6	329.1	3416	675	
700	9.2	28	2.9	322.0	3133	9.4	31	3.2	323.3	3110	8.7	44	4.5	326.2	3134	7.1	76	6.9	331.3	3117	700	
725	10.7	45	5.1	327.1	2841	11.0	35	4.0	324.2	2818	11.0	41	4.6	326.1	2842	9.1	73	7.3	331.6	2827	725	
750	12.2	57	6.7	330.5	2557	12.4	42	5.1	325.9	2535	13.3	36	4.5	325.2	2558	10.3	84	8.9	334.3	2544	750	
775	13.8	50	6.4	328.4	2281	13.9	48	6.2	327.7	2259	14.8	39	5.4	326.4	2282	10.7	91	9.6	333.6	2270	775	
800	15.4	44	6.1	326.1	2013	15.2	55	7.4	329.8	1990	16.1	55	7.9	332.4	2012	12.2	95	10.7	335.4	2004	800	
825	16.2	46	6.5	325.4	1751	16.5	61	8.7	332.0	1728	16.6	81	11.7	340.4	1750	14.4	97	12.2	339.3	1744	825	
850	16.3	67	9.3	330.5	1497	17.6	66	9.8	333.6	1473	17.6	84	12.5	341.2	1494	16.5	99	13.9	343.5	1490	850	
875	16.8	76	10.6	331.8	1250	18.1	69	10.3	332.7	1225	18.6	86	13.4	342.0	1245	17.8	99	14.6	344.2	1242	875	
900	17.5	72	10.1	328.6	1009	18.5	72	10.8	331.8	983	19.6	89	14.3	342.8	1002	19.0	99	15.4	344.9	999	900	
925	19.1	86	13.1	336.2	773	19.0	75	11.2	330.9	747	20.5	92	15.3	343.7	765	20.2	99	16.1	345.6	762	925	
950	21.5	92	15.9	343.9	542	21.5	86	14.7	340.7	516	22.2	92	16.6	346.9	532	21.5	97	16.7	346.0	530	950	
975	23.5	88	16.8	346.2	315	23.9	72	13.9	339.0	289	24.0	93	18.1	350.5	305	23.2	89	16.5	345.1	303	975	
1000	25.3	77	15.8	343.1	92	26.1	58	12.5	335.3	66	25.7	93	19.7	354.3	81	25.3	92	18.9	351.7	80	1000	
SFC.	26.0	72	15.3	341.6	0	26.5	59	12.9	336.0	0	26.3	93	20.2	355.7	0	26.2	96	20.8	357.1	0	SFC.	
				SURFACE PRESSURE	1010.5				SURFACE PRESSURE	1007.5				SURFACE PRESSURE	1009.2				SURFACE PRESSURE	1009.1		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/25 1520 GMT					3/25 1815 GMT					3/25 2334 GMT					3/26 7 5 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-62.1	0	0.0	471.9	19522	0.0	0	0.0	0.0	0	-64.7	0	0.0	466.1	19599	0.0	0	0.0	0.0	0	60	
70	-69.3	0	0.0	436.0	18577	0.0	0	0.0	0.0	0	-68.7	0	0.0	437.4	18673	0.0	0	0.0	0.0	0	70	
80	-71.0	18	.0	416.3	17786	0.0	0	0.0	0.0	0	-68.8	20	.0	420.9	17874	0.0	0	0.0	0.0	0	80	
90	-71.0	18	.0	402.5	17088	0.0	0	0.0	0.0	0	-74.6	19	.0	395.3	17171	0.0	0	0.0	0.0	0	90	
100	-77.5	18	.0	378.0	16475	0.0	0	0.0	0.0	0	-76.7	19	.0	379.6	16566	0.0	0	0.0	0.0	0	100	
110	-76.4	18	.0	369.9	15927	0.0	0	0.0	0.0	0	-75.5	19	.0	371.5	16016	0.0	0	0.0	0.0	0	110	
120	-75.4	18	.0	362.6	15424	0.0	0	0.0	0.0	0	-74.5	19	.0	364.3	15511	0.0	0	0.0	0.0	0	120	
130	-74.1	18	.0	356.9	14960	0.0	0	0.0	0.0	0	-72.5	19	.0	359.6	15044	0.0	0	0.0	0.0	0	130	
140	-71.0	18	.0	354.8	14524	0.0	0	0.0	0.0	0	-69.2	19	.0	357.8	14605	0.0	0	0.0	0.0	0	140	
150	-68.1	19	.0	352.9	14113	0.0	0	0.0	0.0	0	-66.2	19	.0	356.1	14190	0.0	0	0.0	0.0	0	150	
160	-65.4	19	.0	351.0	13723	0.0	0	0.0	0.0	0	-63.4	19	.0	354.4	13796	0.0	0	0.0	0.0	0	160	
170	-62.8	19	.0	349.2	13352	0.0	0	0.0	0.0	0	-60.7	19	.0	352.8	13421	0.0	0	0.0	0.0	0	170	
180	-60.4	19	.0	347.4	12998	0.0	0	0.0	0.0	0	-58.1	19	.0	351.2	13063	0.0	0	0.0	0.0	0	180	
190	-58.2	20	.0	345.8	12659	0.0	0	0.0	0.0	0	-55.8	19	.0	349.7	12721	0.0	0	0.0	0.0	0	190	
200	-56.0	20	.0	344.1	12334	0.0	0	0.0	0.0	0	-53.5	19	.0	348.2	12392	0.0	0	0.0	0.0	0	200	
225	-50.2	19	.0	341.7	11576	0.0	0	0.0	0.0	0	-48.3	19	.0	344.7	11626	0.0	0	0.0	0.0	0	225	
250	-43.9	17	.1	341.1	10879	0.0	0	0.0	0.0	0	-42.2	19	.1	343.6	10923	0.0	0	0.0	0.0	0	250	
275	-38.1	16	.1	340.4	10231	0.0	0	0.0	0.0	0	-36.7	18	.1	342.6	10270	0.0	0	0.0	0.0	0	275	
300	-32.8	14	.1	339.7	9625	0.0	0	0.0	0.0	0	-31.6	18	.2	341.5	9661	0.0	0	0.0	0.0	0	300	
325	-27.9	13	.2	338.8	9056	0.0	0	0.0	0.0	0	-28.0	19	.2	339.0	9090	0.0	0	0.0	0.0	0	325	
350	-24.0	22	.3	337.7	8519	0.0	0	0.0	0.0	0	-23.6	21	.3	338.3	8553	-25.1	32	.5	336.7	8554	350	
375	-22.1	60	1.0	336.1	8013	0.0	0	0.0	0.0	0	-19.3	22	.5	337.9	8045	-20.2	24	.5	336.7	8048	375	
400	-18.0	49	1.1	335.7	7535	-17.9	47	1.1	335.7	7559	-15.4	24	.7	337.6	7561	-16.6	19	.5	335.3	7566	400	
425	-14.1	12	.4	332.2	7078	-14.0	37	1.1	335.1	7102	-12.7	20	.7	335.2	7101	-13.6	24	.8	334.3	7109	425	
450	-12.0	27	.9	331.6	6643	-10.4	28	1.1	334.1	6665	-10.1	16	.6	332.9	6663	-10.7	22	.8	332.8	6672	450	
475	-9.1	33	1.3	331.5	6227	-7.7	31	1.4	333.3	6247	-7.6	27	1.2	332.9	6244	-7.9	19	.9	331.3	6254	475	
500	-6.4	55	2.6	334.1	5827	-6.1	28	1.4	330.4	5847	-5.3	37	1.9	333.3	5843	-6.0	21	1.0	329.4	5853	500	
525	-5.0	69	3.5	333.9	5444	-4.4	54	2.8	332.6	5463	-3.2	42	2.4	333.0	5458	-4.2	25	1.4	328.1	5470	525	
550	-3.3	95	5.2	336.9	5077	-2.5	62	3.6	332.9	5095	-1.6	48	3.0	332.1	5089	-1.8	44	2.7	330.9	5102	550	
575	-.5	87	5.6	337.2	4723	-.5	52	3.3	330.3	4741	.6	46	3.2	331.1	4733	.6	63	4.4	335.0	4746	575	
600	1.4	64	4.5	332.1	4381	1.5	42	2.9	327.5	4399	2.7	35	2.7	328.2	4390	2.4	51	3.9	331.5	4403	600	
625	3.2	41	3.1	326.4	4051	3.4	32	2.5	324.4	4069	4.5	26	2.2	324.8	4059	4.1	42	3.4	328.1	4071	625	
650	5.0	19	1.6	320.0	3732	5.4	31	2.7	323.9	3750	6.5	21	2.0	322.9	3738	5.5	40	3.5	326.4	3752	650	
675	7.0	31	2.8	322.7	3423	7.4	31	3.0	323.6	3440	8.6	22	2.3	322.7	3428	7.9	35	3.5	325.7	3442	675	
700	9.2	25	2.6	321.1	3123	9.3	32	3.3	323.5	3140	10.6	22	2.6	322.7	3126	10.0	33	3.7	325.4	3141	700	
725	11.3	21	2.4	319.8	2831	11.2	32	3.6	323.4	2848	12.6	23	2.9	322.7	2833	11.8	39	4.6	327.0	2848	725	
750	12.4	70	8.5	335.6	2547	12.7	44	5.4	327.2	2564	13.0	33	4.1	323.7	2548	13.5	44	5.7	329.0	2563	750	
775	13.5	84	10.6	340.0	2271	13.3	68	8.5	333.7	2288	13.9	52	6.7	329.1	2272	14.2	78	10.3	339.9	2287	775	
800	13.7	87	10.8	337.5	2002	13.7	86	10.6	337.1	2020	15.5	47	6.5	327.3	2004	15.2	87	11.9	342.5	2017	800	
825	14.1	94	11.7	337.4	1742	15.5	89	12.0	340.0	1759	17.1	37	5.6	323.8	1742	15.6	93	12.7	342.1	1755	825	
850	16.0	95	12.8	339.9	1488	17.1	83	12.0	338.9	1504	14.7	45	5.6	318.2	1489	17.7	97	14.7	347.2	1500	850	
875	17.7	96	14.1	342.6	1240	18.6	76	11.9	337.6	1256	16.6	56	7.6	323.5	1243	18.1	98	14.7	344.8	1251	875	
900	19.4	96	15.4	345.5	997	19.8	78	12.7	338.6	1013	18.4	67	10.0	329.4	1002	19.3	97	15.4	345.3	1008	900	
925	21.1	97	16.8	348.5	759	20.5	92	15.3	343.9	775	20.2	78	12.7	336.1	765	20.5	97	16.1	345.9	771	925	
950	22.1	97	17.3	348.6	527	22.0	92	16.4	345.9	543	22.0	85	15.0	342.2	533	21.7	96	16.8	346.5	538	950	
975	23.1	96	17.9	348.7	300	23.8	88	17.0	347.1	316	24.3	72	14.3	340.6	306	24.4	95	19.2	353.9	311	975	
1000	24.1	96	18.4	348.8	77	26.2	75	16.3	345.9	93	26.6	60	13.2	337.9	83	26.2	95	20.7	357.7	87	1000	
SFC.	24.4	96	18.6	348.8	0	27.2	70	15.9	345.0	0	27.5	55	12.7	336.6	0	26.3	95	20.7	356.8	0	SFC.	
				SURFACE PRESSURE	1008.8				SURFACE PRESSURE	1010.5				SURFACE PRESSURE	1009.4				SURFACE PRESSURE	1009.8		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/26 950 GMT						3/27 153 GMT				3/27 6 0 GMT					3/27 1155 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	0.0	0	0.0	0.0	0	-69.3	0	0.0	455.7	19542	0.0	0	0.0	0.0	0	-66.3	0	0.0	462.5	19486	60	
70	0.0	0	0.0	0.0	0	-69.5	0	0.0	435.7	18623	0.0	0	0.0	0.0	0	-71.0	0	0.0	432.5	18566	70	
80	0.0	0	0.0	0.0	0	-71.4	0	0.0	415.6	17828	0.0	0	0.0	0.0	0	-72.6	0	0.0	413.1	17778	80	
90	0.0	0	0.0	0.0	0	-73.5	17	.0	397.6	17140	0.0	0	0.0	0.0	0	-79.3	0	0.0	386.0	17097	90	
100	0.0	0	0.0	0.0	0	-78.1	17	.0	376.9	16533	0.0	0	0.0	0.0	0	-80.7	17	.0	371.8	16505	100	
110	0.0	0	0.0	0.0	0	-75.7	17	.0	371.2	15985	0.0	0	0.0	0.0	0	-76.8	17	.0	369.1	15962	110	
120	0.0	0	0.0	0.0	0	-74.1	17	.0	365.1	15480	0.0	0	0.0	0.0	0	-75.0	17	.0	363.4	15459	120	
130	0.0	0	0.0	0.0	0	-72.8	17	.0	359.2	15012	0.0	0	0.0	0.0	0	-73.8	17	.0	357.3	14993	130	
140	0.0	0	0.0	0.0	0	-70.4	17	.0	355.7	14574	0.0	0	0.0	0.0	0	-71.6	17	.0	353.6	14559	140	
150	0.0	0	0.0	0.0	0	-68.3	17	.0	352.5	14163	0.0	0	0.0	0.0	0	-68.4	17	.0	352.2	14148	150	
160	0.0	0	0.0	0.0	0	-65.1	17	.0	351.4	13772	0.0	0	0.0	0.0	0	-65.5	16	.0	350.8	13759	160	
170	0.0	0	0.0	0.0	0	-62.1	16	.0	350.4	13400	0.0	0	0.0	0.0	0	-62.7	16	.0	349.4	13387	170	
180	0.0	0	0.0	0.0	0	-59.2	16	.0	349.4	13045	0.0	0	0.0	0.0	0	-60.0	16	.0	348.1	13033	180	
190	0.0	0	0.0	0.0	0	-56.2	17	.0	348.9	12704	0.0	0	0.0	0.0	0	-57.5	15	.0	346.8	12693	190	
200	0.0	0	0.0	0.0	0	-53.2	17	.0	348.6	12375	0.0	0	0.0	0.0	0	-55.2	15	.0	345.5	12368	200	
225	0.0	0	0.0	0.0	0	-46.4	19	.0	347.6	11605	0.0	0	0.0	0.0	0	-48.4	14	.0	344.5	11605	225	
250	0.0	0	0.0	0.0	0	-42.1	15	.1	343.8	10899	0.0	0	0.0	0.0	0	-41.9	13	.0	344.0	10901	250	
275	0.0	0	0.0	0.0	0	-37.2	15	.1	341.7	10247	0.0	0	0.0	0.0	0	-37.4	12	.1	341.3	10248	275	
300	0.0	0	0.0	0.0	0	-32.7	16	.1	339.8	9640	0.0	0	0.0	0.0	0	-32.4	12	.1	340.2	9641	300	
325	0.0	0	0.0	0.0	0	-28.6	16	.2	338.0	9071	0.0	0	0.0	0.0	0	-28.1	13	.1	338.5	9071	325	
350	-24.2	18	.3	337.2	8550	-24.2	16	.2	337.2	8536	-24.5	16	.2	336.7	8548	-24.7	14	.2	336.3	8536	350	
375	-20.2	18	.4	336.3	8043	-20.1	16	.3	336.4	8029	-20.3	17	.3	336.1	8041	-20.8	13	.3	335.1	8030	375	
400	-16.5	18	.5	335.4	7561	-16.2	16	.4	335.6	7546	-16.4	18	.5	335.5	7559	-17.1	13	.3	334.0	7550	400	
425	-14.6	33	1.0	333.8	7104	-12.9	19	.6	334.7	7087	-13.0	21	.7	334.9	7100	-13.3	16	.5	333.8	7091	425	
450	-11.1	31	1.1	333.4	6668	-10.8	24	.9	333.0	6649	-10.0	26	1.0	334.4	6662	-11.4	29	1.0	332.6	6654	450	
475	-8.1	17	.7	330.7	6250	-7.9	26	1.2	332.3	6232	-8.4	39	1.7	333.4	6244	-9.6	41	1.6	331.7	6238	475	
500	-5.7	18	.9	329.3	5850	-5.4	28	1.4	331.5	5811	-5.1	37	1.9	333.5	5843	-5.9	36	1.8	332.0	5839	500	
525	-3.8	29	1.6	329.3	5466	-3.6	32	1.8	330.2	5447	-3.1	33	1.9	331.3	5458	-4.1	37	2.0	330.4	5456	525	
550	-1.7	17	1.0	325.7	5098	-1.8	35	2.1	329.1	5078	-2.0	47	2.8	331.1	5089	-2.2	50	2.9	331.2	5087	550	
575	.3	40	2.7	329.4	4743	.7	38	2.7	329.8	4722	.8	44	3.1	331.2	4734	.4	48	3.2	331.1	4732	575	
600	2.1	45	3.3	329.5	4400	3.5	40	3.2	330.8	4379	3.4	42	3.4	331.3	4390	2.4	66	5.0	334.9	4389	600	
625	3.6	35	2.8	325.8	4069	5.2	30	2.7	327.3	4046	5.0	35	3.1	328.3	4058	4.6	51	4.3	331.7	4057	625	
650	5.2	48	4.1	327.8	3750	6.9	23	2.2	324.0	3725	6.5	29	2.7	325.2	3737	6.5	19	1.7	322.3	3737	650	
675	7.2	36	3.3	324.5	3441	8.5	21	2.2	322.4	3414	7.9	34	3.4	325.4	3426	9.0	18	1.9	322.3	3426	675	
700	9.6	21	2.2	320.4	3140	10.1	19	2.1	320.8	3113	9.1	43	4.5	326.8	3125	10.5	34	3.8	326.4	3124	700	
725	11.2	37	4.2	325.2	2848	11.6	31	3.6	323.9	2821	10.6	61	6.7	331.7	2834	11.4	60	7.0	333.6	2831	725	
750	12.4	49	5.9	328.3	2565	13.0	45	5.6	328.2	2536	12.3	70	8.4	335.4	2550	12.8	57	7.0	332.0	2547	750	
775	13.6	76	9.6	337.1	2288	14.3	52	6.9	330.3	2260	14.0	71	9.2	336.5	2274	14.5	66	8.9	336.2	2270	775	
800	14.9	81	10.3	338.9	2020	15.5	55	7.7	330.8	1991	15.7	71	10.0	337.6	2004	15.4	80	11.1	340.4	2001	800	
825	16.2	91	12.9	343.3	1758	16.7	58	8.5	331.5	1729	16.1	77	10.7	337.2	1742	15.8	90	12.4	341.5	1739	825	
850	16.8	94	13.5	342.7	1502	17.8	61	9.3	332.2	1474	16.7	92	13.1	341.5	1487	16.3	99	13.7	342.6	1484	850	
875	17.4	95	13.7	341.2	1254	18.9	64	10.1	333.1	1225	18.2	92	14.0	342.9	1239	18.2	95	14.5	344.3	1235	875	
900	18.8	96	14.8	343.0	1012	19.9	67	11.0	334.0	982	19.7	92	14.9	344.4	995	19.5	94	15.2	345.0	992	900	
925	20.3	98	16.1	345.6	775	20.5	71	11.7	333.9	745	21.1	92	15.8	346.0	758	20.5	95	15.7	344.9	755	925	
950	21.8	98	17.1	347.7	543	22.4	70	12.7	336.3	513	22.5	90	16.6	347.1	525	21.6	94	16.2	344.9	523	950	
975	23.3	87	16.2	344.4	315	24.2	70	13.8	339.0	286	24.2	84	16.7	347.0	297	23.7	85	16.4	345.3	295	975	
1000	25.5	89	18.6	351.2	93	26.1	69	14.9	341.7	63	25.9	79	16.8	346.7	74	25.7	89	19.0	352.4	72	1000	
SFC.	26.5	93	20.5	356.4	0	26.6	69	15.2	342.5	0	26.4	77	16.8	346.5	0	26.4	98	21.5	359.4	0	SFC.	
				SURFACE PRESSURE	1010.5				SURFACE PRESSURE	1007.1				SURFACE PRESSURE	1008.4				SURFACE PRESSURE	1008.2		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND.

3/27 1754 GMT						3/27 2348 GMT						3/28 6 0 GMT						3/28 1145 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	0.0	0	0.0	0.0	0	-64.5	0	0.0	466.5	19582	0.0	0	0.0	0.0	0	-69.2	0	0.0	456.1	19528	60		
70	0.0	0	0.0	0.0	0	-71.5	18	.0	431.6	18652	0.0	0	0.0	0.0	0	-73.2	25	.0	427.8	18617	70		
80	0.0	0	0.0	0.0	0	-71.9	19	.0	414.4	17864	0.0	0	0.0	0.0	0	-75.7	25	.0	406.7	17841	80		
90	0.0	0	0.0	0.0	0	-72.3	19	.0	399.9	17171	0.0	0	0.0	0.0	0	-77.8	26	.0	388.9	17161	90		
100	0.0	0	0.0	0.0	0	-77.5	18	.0	378.0	16561	0.0	0	0.0	0.0	0	-78.4	27	.0	376.3	16562	100		
110	0.0	0	0.0	0.0	0	-76.2	18	.0	370.3	16013	0.0	0	0.0	0.0	0	-76.7	27	.0	369.4	16017	110		
120	0.0	0	0.0	0.0	0	-75.0	18	.0	363.4	15509	0.0	0	0.0	0.0	0	-73.8	26	.0	365.6	15513	120		
130	0.0	0	0.0	0.0	0	-73.5	18	.0	357.9	15043	0.0	0	0.0	0.0	0	-71.2	25	.0	362.0	15043	130		
140	0.0	0	0.0	0.0	0	-70.6	18	.0	355.5	14637	0.0	0	0.0	0.0	0	-69.3	25	.0	357.7	14603	140		
150	0.0	0	0.0	0.0	0	-67.8	18	.0	353.3	14195	0.0	0	0.0	0.0	0	-66.6	25	.0	355.4	14188	150		
160	0.0	0	0.0	0.0	0	-65.3	18	.0	351.2	13864	0.0	0	0.0	0.0	0	-64.0	25	.0	353.3	13796	160		
170	0.0	0	0.0	0.0	0	-62.9	18	.0	349.1	13433	0.0	0	0.0	0.0	0	-61.6	25	.0	351.2	13422	170		
180	0.0	0	0.0	0.0	0	-60.2	18	.0	347.8	13079	0.0	0	0.0	0.0	0	-59.3	25	.0	349.3	13066	180		
190	0.0	0	0.0	0.0	0	-57.2	18	.0	347.3	12740	0.0	0	0.0	0.0	0	-56.5	25	.0	348.5	12725	190		
200	0.0	0	0.0	0.0	0	-54.3	17	.0	346.9	12413	0.0	0	0.0	0.0	0	-53.8	25	.0	347.8	12398	200		
225	0.0	0	0.0	0.0	0	-47.6	17	.0	345.7	11647	0.0	0	0.0	0.0	0	-47.5	25	.1	346.1	11630	225		
250	0.0	0	0.0	0.0	0	-41.4	17	.1	344.9	10941	0.0	0	0.0	0.0	0	-41.6	21	.1	344.6	10925	250		
275	0.0	0	0.0	0.0	0	-35.7	17	.1	343.9	10286	0.0	0	0.0	0.0	0	-36.3	18	.1	343.2	10271	275		
300	0.0	0	0.0	0.0	0	-30.6	17	.2	343.0	9675	0.0	0	0.0	0.0	0	-31.9	17	.1	341.0	9662	300		
325	0.0	0	0.0	0.0	0	-26.8	16	.2	340.6	9101	0.0	0	0.0	0.0	0	-28.3	17	.2	338.5	9092	325		
350	0.0	0	0.0	0.0	0	-23.8	15	.2	337.6	8564	-25.3	24	.3	336.0	8570	-24.8	22	.3	336.5	8557	350		
375	-18.7	16	.4	338.3	8047	-20.3	16	.3	336.0	8056	-21.0	19	.4	335.3	8065	-20.9	22	.4	335.6	8051	375		
400	-17.0	17	.4	334.6	7565	-17.0	16	.4	334.5	7575	-16.9	15	.4	334.5	7584	-17.0	14	.4	334.3	7570	400		
425	-13.7	19	.6	333.6	7107	-13.4	17	.6	333.9	7117	-13.5	16	.5	333.6	7126	-13.2	15	.5	333.8	7112	425		
450	-10.7	21	.8	332.7	6670	-10.0	19	.7	333.5	6679	-10.5	17	.6	332.5	6689	-11.1	26	1.0	332.8	6675	450		
475	-7.8	22	1.0	332.0	6252	-6.8	20	1.0	333.1	6260	-7.8	30	1.4	333.2	6271	-8.1	30	1.3	332.6	6258	475		
500	-5.0	24	1.3	331.4	5851	-4.2	19	1.1	331.8	5857	-5.1	41	2.2	334.3	5870	-5.1	33	1.7	332.7	5857	500		
525	-2.4	26	1.6	331.0	5466	-1.9	19	1.2	330.4	5471	-2.3	39	2.4	333.9	5484	-3.2	42	2.4	332.8	5472	525		
550	-.3	32	2.1	331.0	5095	.3	18	1.3	329.1	5100	.4	37	2.6	333.5	5113	-.3	44	3.0	333.8	5102	550		
575	1.6	39	2.9	331.4	4738	2.4	19	1.5	328.1	4742	3.0	34	2.8	333.0	4754	2.4	46	3.7	335.0	4744	575		
600	3.1	52	4.1	333.2	4394	3.7	35	2.9	330.0	4397	4.4	68	6.0	340.3	4408	3.8	71	5.9	339.6	4398	600		
625	4.9	36	3.2	328.4	4062	5.4	27	2.4	326.5	4065	5.8	45	4.2	332.8	4074	5.5	49	4.5	333.2	4065	625		
650	7.1	26	2.5	325.3	3741	7.9	18	1.8	324.2	3743	8.4	30	3.2	329.0	3752	6.0	30	2.7	324.8	3745	650		
675	9.1	31	3.3	326.6	3429	10.4	19	2.2	324.8	3431	10.9	34	4.1	331.2	3439	9.2	24	2.6	324.6	3434	675		
700	9.0	61	6.3	332.1	3128	11.4	29	3.5	326.3	3128	12.2	46	5.8	334.3	3135	12.1	22	2.7	324.8	3131	700		
725	11.1	48	5.5	328.7	2836	12.3	38	4.7	327.8	2834	13.1	50	6.5	334.2	2840	12.2	62	7.6	336.3	2837	725		
750	13.2	47	6.0	329.5	2551	13.1	47	6.0	329.3	2549	14.0	57	7.7	335.5	2554	13.0	61	7.7	334.1	2552	750		
775	15.2	47	6.6	330.4	2275	14.6	45	6.0	328.0	2273	15.0	72	9.9	339.8	2276	14.3	84	11.2	342.6	2275	775		
800	15.7	57	8.0	332.1	2005	16.1	39	5.6	325.7	2004	15.9	85	12.1	343.9	2006	15.5	82	11.5	341.8	2005	800		
825	16.1	68	9.5	333.7	1743	17.6	34	5.2	323.3	1742	16.7	95	14.0	347.1	1743	16.7	79	11.4	339.9	1743	825		
850	16.4	78	10.9	335.2	1488	19.0	29	4.8	320.8	1486	17.5	98	14.6	346.7	1487	17.9	83	12.7	341.9	1487	850		
875	17.7	80	11.7	336.0	1240	19.0	36	5.7	320.7	1237	18.6	96	15.0	346.4	1238	19.2	95	15.4	348.3	1238	875		
900	19.0	80	12.4	336.8	998	18.7	52	7.7	323.5	995	19.7	95	15.5	346.0	995	19.9	96	15.7	347.0	994	900		
925	20.3	80	13.1	337.6	761	20.6	67	11.1	332.4	759	20.7	94	15.9	345.7	757	20.5	97	16.0	345.7	756	925		
950	21.6	80	13.8	338.4	530	22.7	63	11.6	333.7	527	22.4	89	16.3	346.1	525	21.6	97	16.8	346.6	524	950		
975	23.3	77	14.3	339.3	303	24.7	60	12.1	334.8	300	24.4	83	16.5	346.7	297	23.4	97	18.3	350.2	297	975		
1000	25.2	72	14.7	340.0	81	26.6	56	12.4	335.7	77	26.2	88	19.1	353.3	73	25.1	97	19.9	354.1	74	1000		
SFC.	25.9	70	14.8	340.2	0	27.3	55	12.6	336.0	0	26.7	95	21.2	359.0	0	25.7	97	20.4	355.4	0	SFC.		
	SURFACE PRESSURE 1009.2					SURFACE PRESSURE 1008.7					SURFACE PRESSURE 1008.3					SURFACE PRESSURE 1008.4							





LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/29 15 0 GMT						3/29 1810 GMT					3/29 2040 GMT					3/29 2356 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	0.0	0	0.0	0.0	0	-65.1	0	0.0	465.2	19417	-62.5	0	0.0	471.0	19483	-67.6	0	0.0	459.7	19578	60	
70	0.0	0	0.0	0.0	0	-72.1	0	0.0	430.2	18495	-70.0	0	0.0	434.7	18551	-72.3	18	.0	429.7	18660	70	
80	0.0	0	0.0	0.0	0	-75.1	24	.0	407.8	17714	-73.5	10	.0	411.2	17763	-80.0	18	.0	397.8	17888	80	
90	0.0	0	0.0	0.0	0	-79.2	24	.0	386.1	17038	-77.3	11	.0	390.0	17084	-77.1	17	.0	390.3	17217	90	
100	-77.5	51	.0	378.0	16467	-77.4	24	.0	378.2	16439	-76.1	11	.0	380.8	16478	-74.6	16	.0	383.6	16608	100	
110	-77.5	51	.0	367.9	15921	-77.4	24	.0	368.0	15892	-75.0	10	.0	372.6	15926	-73.0	16	.0	376.2	16052	110	
120	-74.8	51	.0	363.7	15420	-76.2	24	.0	361.3	15393	-74.0	10	.0	365.3	15420	-74.9	16	.0	363.5	15546	120	
130	-73.6	51	.0	357.8	14953	-74.2	24	.0	356.6	14929	-74.2	10	.0	356.6	14953	-71.6	16	.0	361.4	15077	130	
140	-71.4	51	.0	354.1	14518	-71.6	24	.0	353.7	14494	-72.1	10	.0	352.9	14519	-68.4	16	.0	359.3	14636	140	
150	-68.3	51	.0	352.6	14107	-68.7	24	.0	351.9	14034	-69.2	10	.0	350.9	14110	-65.5	16	.0	357.3	14220	150	
160	-65.9	51	.0	350.2	13717	-65.9	24	.0	350.1	13695	-66.5	10	.0	349.0	13722	-62.8	16	.0	355.3	13825	160	
170	-64.7	51	.0	346.1	13349	-63.3	25	.0	348.5	13325	-64.0	10	.0	347.2	13353	-60.0	16	.0	353.9	13449	170	
180	-61.3	52	.0	346.2	12998	-60.8	25	.0	346.8	12971	-61.7	10	.0	345.4	13001	-57.2	16	.0	352.8	13090	180	
190	-58.0	52	.0	346.2	12659	-58.5	25	.0	345.3	12633	-58.8	10	.0	344.8	12664	-54.5	16	.0	351.7	12745	190	
200	-54.9	53	.1	346.2	12334	-55.8	25	.0	344.5	12309	-55.9	10	.0	344.4	12340	-51.8	16	.0	350.8	12415	200	
225	-47.7	53	.1	345.9	11569	-49.0	25	.0	343.7	11548	-49.2	10	.0	343.2	11579	-45.0	17	.1	349.8	11640	225	
250	-41.5	55	.2	345.3	10863	-42.9	23	.1	342.7	10846	-43.2	10	.0	341.9	10879	-38.9	18	.1	348.7	10926	250	
275	-36.1	58	.4	344.4	10209	-37.6	16	.1	341.1	10196	-37.8	10	.1	340.6	10229	-34.5	27	.2	346.1	10266	275	
300	-31.2	61	.6	343.6	9599	-33.0	36	.3	340.0	9590	-32.9	10	.1	339.3	9624	-30.1	33	.3	344.4	9652	300	
325	-27.2	65	.8	342.3	9026	-28.7	51	.6	339.2	9022	-28.9	27	.3	338.1	9055	-26.3	42	.6	342.7	9078	325	
350	-24.3	70	1.1	340.0	8489	-24.6	51	.8	338.5	8487	-24.9	38	.6	337.3	8521	-22.8	51	.9	341.3	8538	350	
375	-20.8	71	1.4	339.1	7983	-21.5	57	1.0	337.0	7982	-20.4	28	.6	336.7	8015	-18.8	48	1.1	340.9	8028	375	
400	-17.5	72	1.7	338.4	7502	-18.6	63	1.4	335.8	7503	-17.8	32	.7	334.6	7534	-15.6	48	1.4	339.7	7543	400	
425	-14.6	74	2.1	337.7	7045	-15.6	70	1.9	335.5	7048	-15.2	28	.8	332.4	7079	-13.3	22	.7	334.6	7084	425	
450	-12.4	83	2.7	336.8	6610	-14.1	38	1.1	329.4	6616	-11.9	15	.5	330.3	6644	-10.0	19	.7	333.4	6646	450	
475	-10.5	55	2.0	331.7	6195	-10.4	35	1.3	329.7	6203	-8.5	11	.4	329.1	6228	-6.8	20	1.0	333.1	6227	475	
500	-6.6	39	1.8	331.3	5797	-6.9	34	1.6	330.2	5805	-5.1	11	.6	329.1	5827	-3.7	20	1.2	332.8	5824	500	
525	-2.9	29	1.7	330.9	5413	-3.5	34	1.9	330.7	5422	-2.2	14	.9	329.0	5442	-1.2	27	1.8	333.3	5437	525	
550	.2	24	1.7	330.2	5042	-1.0	37	2.4	330.9	5052	-.0	21	1.5	329.2	5071	.3	44	3.1	334.9	5065	550	
575	.8	42	3.0	330.9	4686	.4	46	3.1	330.7	4696	-.1	35	2.3	327.6	4714	.7	39	2.7	329.8	4709	575	
600	1.5	64	4.6	332.5	4343	.6	65	4.3	330.7	4354	1.3	33	2.3	325.3	4373	3.3	32	2.6	328.6	4365	600	
625	1.7	68	4.7	329.4	4014	2.0	69	4.9	330.1	4026	4.1	21	1.8	323.1	4043	5.8	26	2.4	327.0	4033	625	
650	4.4	99	8.0	338.5	3695	4.4	61	4.9	329.4	3707	6.6	18	1.7	322.2	3723	8.9	27	2.9	328.8	3710	650	
675	6.5	99	9.0	340.2	3386	6.3	61	5.4	329.6	3398	8.8	23	2.4	323.3	3412	10.5	39	4.6	332.2	3396	675	
700	8.1	99	9.7	340.6	3085	8.1	63	6.2	330.5	3099	9.3	49	5.2	329.0	3111	12.1	49	6.2	335.4	3093	700	
725	9.3	99	10.1	339.9	2794	9.8	66	6.9	331.4	2808	10.8	52	5.8	329.2	2819	13.5	49	6.5	334.6	2798	725	
750	10.5	99	10.6	339.2	2511	11.5	68	7.8	332.6	2525	12.2	54	6.4	329.5	2535	14.9	48	6.8	333.9	2511	750	
775	11.7	97	10.9	338.4	2236	13.1	64	7.9	331.8	2249	14.1	31	4.0	321.5	2259	15.5	48	6.9	331.7	2233	775	
800	13.4	85	10.4	335.9	1969	15.0	56	7.5	329.9	1981	15.3	37	5.1	323.2	1991	16.0	61	8.8	334.6	1963	800	
825	15.1	74	9.7	333.1	1709	15.9	68	9.4	333.3	1719	16.3	51	7.2	327.6	1730	16.3	77	10.9	338.0	1701	825	
850	16.3	76	10.5	334.0	1454	16.7	76	10.7	334.9	1465	16.8	42	5.9	321.6	1475	17.3	87	12.8	341.4	1446	850	
875	17.4	83	12.0	336.4	1207	17.5	80	11.6	335.6	1217	18.2	49	7.4	324.6	1228	18.6	86	13.3	341.6	1197	875	
900	18.4	90	13.5	339.0	965	18.4	84	12.6	336.4	975	19.5	56	8.9	327.8	985	19.9	85	13.9	341.9	954	900	
925	20.0	89	14.3	340.4	728	19.5	87	13.5	337.5	739	20.8	64	10.7	331.6	749	21.1	84	14.5	342.3	716	925	
950	21.7	86	14.9	341.5	496	21.2	85	14.3	339.2	507	21.9	76	13.4	337.6	517	18.7	77	11.1	327.5	486	950	
975	23.3	84	15.6	342.7	269	22.9	83	15.1	340.9	281	24.3	72	14.3	340.6	290	19.5	73	10.8	325.2	263	975	
1000	25.5	90	18.8	351.7	47	24.5	81	15.9	342.6	59	26.8	67	15.1	343.3	66	20.3	70	10.5	323.0	44	1000	
SFC.	26.2	94	20.4	356.5	0	24.9	81	16.2	343.0	0	27.5	66	15.3	344.0	0	20.5	69	10.5	322.5	0	SFC.	
				SURFACE PRESSURE	1005.3				SURFACE PRESSURE	1006.7				SURFACE PRESSURE	1007.5				SURFACE PRESSURE	1005.1		

A-100

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

P	T	3/30 314 GMT				T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
		RH	W	EPT	H																
60	-63.5	0	0.0	468.8	19560	-65.9	0	0.0	463.4	19523	-65.7	0	0.0	463.9	19516	-65.1	0	0.0	465.2	19437	60
70	-74.2	23	.0	425.8	18629	-70.7	0	0.0	433.1	18592	-75.2	39	.0	423.6	18599	-75.6	0	0.0	422.7	18499	70
80	-77.5	24	.0	402.9	17854	-76.3	39	.0	405.4	17810	-77.5	38	.0	402.9	17822	-77.9	43	.0	402.1	17722	80
90	-78.7	24	.0	387.2	17186	-79.4	39	.0	385.8	17141	-79.9	38	.0	384.7	17156	-80.2	43	.0	384.3	17053	90
100	-76.1	24	.0	380.7	16582	-79.2	38	.0	374.7	16543	-78.0	38	.0	377.1	16557	-81.0	43	.0	371.3	16459	100
110	-75.1	24	.0	372.4	16030	-77.7	38	.0	367.5	15999	-77.3	38	.0	368.2	16012	-78.3	43	.0	366.3	15919	110
120	-76.5	24	.0	360.7	15527	-76.3	38	.0	361.0	15499	-74.1	38	.0	365.0	15509	-75.8	43	.0	361.9	15419	120
130	-73.0	24	.0	358.7	15062	-72.9	38	.0	358.9	15034	-71.2	38	.0	362.0	15039	-73.6	43	.0	357.7	14954	130
140	-69.8	24	.0	356.8	14624	-69.8	37	.0	356.9	14596	-68.5	38	.0	359.2	14598	-71.5	43	.0	353.9	14519	140
150	-66.9	24	.0	355.0	14210	-66.9	37	.0	354.9	14182	-66.0	38	.0	356.5	14182	-68.9	43	.0	351.5	14109	150
160	-64.1	24	.0	353.2	13818	-64.2	37	.0	353.1	13790	-63.6	38	.0	354.0	13788	-65.8	43	.0	350.3	13720	160
170	-61.5	24	.0	351.5	13444	-61.6	36	.0	351.3	13417	-61.4	38	.0	351.7	13414	-62.9	43	.0	349.2	13349	170
180	-59.0	24	.0	349.8	13088	-59.2	36	.0	349.5	13060	-58.9	38	.0	350.0	13058	-60.1	43	.0	348.0	12995	180
190	-56.2	24	.0	349.0	12747	-56.8	36	.0	348.1	12720	-56.1	38	.0	349.3	12716	-57.3	43	.0	347.2	12655	190
200	-53.5	25	.0	348.2	12419	-54.4	35	.0	346.8	12393	-53.3	38	.1	348.5	12388	-54.6	43	.0	346.5	12329	200
225	-46.7	25	.1	347.2	11650	-47.7	36	.1	345.7	11627	-47.1	37	.1	346.7	11619	-48.5	47	.1	344.6	11565	225
250	-40.2	24	.1	346.7	10941	-41.7	37	.1	344.7	10922	-41.8	52	.2	344.7	10913	-43.2	62	.2	342.8	10864	250
275	-34.4	24	.2	346.1	10283	-36.5	49	.3	343.5	10269	-36.3	63	.4	344.2	10260	-37.9	78	.4	342.0	10214	275
300	-30.3	47	.5	344.7	9669	-31.0	57	.5	343.8	9659	-31.9	80	.7	343.2	9651	-32.7	92	.8	342.2	9608	300
325	-26.0	49	.7	343.5	9094	-27.2	84	1.1	343.2	9087	-27.4	70	.9	342.3	9080	-28.5	86	1.0	341.1	9039	325
350	-22.0	49	.9	342.6	8553	-24.0	78	1.2	340.9	8549	-23.2	60	1.0	341.3	8542	-24.4	62	.9	339.3	8504	350
375	-18.8	57	1.3	341.5	8042	-19.9	64	1.4	340.2	8041	-19.8	27	.6	337.6	8033	-20.9	43	.8	337.0	7997	375
400	-16.4	58	1.5	339.2	7559	-16.1	79	2.2	341.7	7559	-16.0	34	.9	337.7	7550	-17.5	41	1.0	335.9	7517	400
425	-13.7	42	1.3	336.2	7100	-13.6	51	1.6	337.2	7100	-13.7	54	1.7	337.3	7091	-14.9	46	1.3	334.6	7061	425
450	-10.6	19	.7	332.7	6663	-10.7	33	1.2	334.2	6663	-11.4	32	1.1	332.9	6655	-11.9	33	1.1	332.3	6626	450
475	-7.6	22	1.0	332.1	6245	-7.5	25	1.1	332.8	6244	-8.5	33	1.4	332.3	6238	-8.9	29	1.2	331.2	6209	475
500	-4.8	24	1.3	331.7	5843	-4.7	40	2.2	334.8	5843	-5.9	36	1.8	332.1	5838	-6.1	25	1.2	330.0	5810	500
525	-2.8	40	2.4	333.2	5458	-3.4	63	3.6	336.4	5457	-4.0	63	3.4	334.9	5454	-4.5	42	2.2	330.5	5427	525
550	-.4	52	3.5	335.4	5088	-1.5	77	4.8	337.9	5088	-1.9	60	3.6	333.7	5085	-3.2	60	3.3	331.1	5059	550
575	1.3	64	4.7	336.8	4730	.8	80	5.7	339.1	4731	.4	35	2.4	328.5	4730	-.8	35	2.2	326.3	4706	575
600	3.5	58	4.8	335.7	4386	2.7	71	5.5	336.7	4388	2.2	58	4.3	332.6	4388	1.0	42	2.9	326.7	4365	600
625	6.0	35	3.2	330.1	4053	5.0	37	3.2	328.8	4056	4.5	32	2.7	326.6	4056	3.3	30	2.4	324.1	4035	625
650	8.2	25	2.6	326.8	3731	7.5	49	4.9	333.3	3734	6.7	35	3.3	327.4	3736	5.9	35	3.1	325.7	3716	650
675	9.6	52	5.8	334.8	3418	9.9	60	6.8	338.2	3421	7.9	75	7.4	337.4	3424	7.3	63	6.0	332.4	3405	675
700	11.5	53	6.5	335.5	3115	10.8	72	8.4	340.5	3118	9.7	72	7.8	337.1	3123	8.5	73	7.3	334.2	3105	700
725	13.2	55	7.2	336.3	2820	11.9	65	7.9	336.8	2824	11.6	58	6.9	333.5	2830	11.2	49	5.6	329.3	2813	725
750	14.9	56	8.0	337.3	2534	13.6	50	6.6	331.7	2539	13.5	45	5.8	329.2	2545	11.6	67	7.7	332.4	2529	750
775	16.6	46	7.1	333.6	2255	15.9	51	7.4	333.8	2262	14.9	54	7.5	332.7	2268	13.5	37	4.7	322.9	2254	775
800	18.0	49	8.0	334.8	1984	17.7	52	8.2	335.0	1991	16.5	46	6.8	329.7	1998	14.9	53	7.1	328.3	1986	800
825	19.8	30	5.2	325.9	1719	18.2	54	8.6	333.7	1727	17.3	72	10.9	339.2	1736	15.9	92	12.8	342.7	1724	825
850	20.9	34	6.3	327.4	1462	18.6	66	10.5	336.6	1471	18.2	78	12.2	341.0	1479	17.1	94	13.7	343.8	1469	850
875	21.9	47	8.8	333.0	1211	18.9	92	14.6	345.4	1221	18.7	91	14.1	344.0	1230	18.5	90	13.9	343.1	1220	875
900	22.7	60	11.8	339.7	965	20.1	91	15.2	345.9	977	19.9	87	14.3	343.0	987	19.9	83	13.7	341.5	977	900
925	23.6	74	14.8	346.5	726	21.4	91	15.9	346.5	739	21.3	89	15.5	345.5	749	20.8	90	15.1	343.7	739	925
950	24.4	87	17.9	353.4	491	22.6	90	16.6	347.1	507	22.9	96	18.0	351.4	516	21.6	96	16.6	346.0	507	950
975	26.3	81	18.1	353.7	262	24.5	84	16.9	347.8	279	25.0	92	19.1	354.5	287	23.3	90	16.9	346.2	280	975
1000	28.2	73	17.9	352.8	37	26.4	89	19.6	354.9	55	27.0	88	20.2	357.5	63	25.6	88	18.6	351.2	57	1000
SFC.	28.5	72	17.9	352.6	0	26.8	91	20.5	357.3	0	27.6	87	20.5	358.4	0	26.4	96	21.1	358.5	0	SFC.
				SURFACE PRESSURE	1004.1				SURFACE PRESSURE	1006.2				SURFACE PRESSURE	1007.1				SURFACE PRESSURE	1006.5	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

3/30 1745 GMT					3/31 0 4 GMT					3/31 555 GMT					4/ 1 1321 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P						
60	-62.8	0	0.0	470.4	19609	-61.1	0	0.0	474.1	19433	-64.6	0	0.0	466.3	19442	0.0	0	0.0	0.0	0	60	
70	-70.4	0	0.0	433.8	18666	-70.5	0	0.0	433.6	18491	-68.4	0	0.0	438.0	18510	0.0	0	0.0	0.0	0	70	
80	-73.7	35	.0	410.7	17885	-75.9	20	.0	406.3	17715	-76.3	55	.0	405.4	17729	0.0	0	0.0	0.0	0	80	
90	-78.9	35	.0	386.9	17205	-77.0	20	.0	390.6	17036	-77.1	55	.0	390.4	17051	-79.1	0	0.0	386.4	17079	90	
100	-77.3	35	.0	378.4	16603	-78.0	20	.0	377.1	16433	-82.3	55	.0	368.8	16451	-76.0	0	0.0	380.9	16475	100	
110	-76.5	35	.0	369.7	16057	-78.8	20	.0	365.5	15890	-79.2	55	.0	364.7	15914	-80.6	0	0.0	361.9	15936	110	
120	-72.8	35	.0	367.5	15551	-74.7	20	.0	363.9	15389	-76.3	55	.0	360.9	15416	-77.9	0	0.0	358.1	15442	120	
130	-69.4	36	.0	365.3	15077	-71.0	20	.0	362.4	14920	-73.7	55	.0	357.5	14952	-75.4	0	0.0	354.4	14982	130	
140	-66.2	36	.0	363.3	14631	-70.2	20	.0	356.2	14480	-71.3	55	.0	354.2	14517	-73.1	0	0.0	351.1	14550	140	
150	-63.6	36	.0	360.7	14210	-69.4	20	.0	350.6	14069	-69.1	55	.0	351.2	14107	-70.9	0	0.0	348.0	14144	150	
160	-62.4	38	.0	356.0	13813	-67.8	20	.0	346.9	13683	-67.0	55	.0	348.3	13719	-67.7	0	0.0	346.9	13759	160	
170	-60.6	39	.0	352.9	13438	-64.3	20	.0	346.8	13315	-65.0	55	.0	345.7	13351	-64.6	0	0.0	346.1	13391	170	
180	-58.5	40	.0	350.8	13080	-60.9	20	.0	346.7	12963	-61.9	55	.0	345.1	13000	-61.6	0	0.0	345.4	13040	180	
190	-56.4	41	.0	348.7	12738	-57.8	20	.0	346.3	12624	-58.7	56	.0	345.1	12663	-58.1	0	0.0	345.8	12702	190	
200	-54.4	41	.0	346.8	12411	-55.0	22	.0	345.7	12299	-55.6	56	.1	345.0	12339	-54.8	0	0.0	346.0	12376	200	
225	-48.5	44	.1	344.7	11648	-48.6	24	.0	344.2	11535	-48.6	57	.1	344.5	11576	-47.5	0	0.0	345.7	11610	225	
250	-42.0	48	.2	344.4	10945	-42.9	26	.1	342.7	10834	-42.8	62	.2	343.3	10874	-41.3	0	0.0	344.7	10905	250	
275	-36.2	51	.3	344.1	10291	-37.7	29	.2	341.3	10183	-37.7	67	.4	342.1	10224	-35.7	M	M	M	10250	275	
300	-31.2	57	.5	343.6	9681	-32.9	30	.2	340.0	9577	-32.9	69	.6	341.1	9618	-30.6	M	M	M	9638	300	
325	-26.7	64	.8	343.1	9108	-28.6	32	.4	338.7	9009	-28.5	70	.8	340.4	9049	-25.9	M	M	M	9064	325	
350	-22.6	70	1.2	342.9	8568	-24.5	34	.5	337.7	8473	-24.4	72	1.1	339.9	8514	-21.5	M	M	M	8522	350	
375	-19.4	69	1.5	341.4	8059	-20.8	35	.7	336.7	7967	-21.3	84	1.6	339.0	8007	-17.6	M	M	M	8010	375	
400	-16.4	68	1.8	340.1	7576	-17.9	42	1.0	335.3	7487	-18.1	63	1.4	336.6	7528	-14.9	M	M	M	7524	400	
425	-12.6	42	1.4	337.9	7116	-15.2	33	.9	332.7	7032	-14.5	33	1.0	333.9	7071	-11.9	M	M	M	7063	425	
450	-9.6	33	1.3	335.9	6677	-11.7	17	.6	330.7	6597	-11.7	35	1.2	332.8	6636	-9.1	M	M	M	6623	450	
475	-8.3	46	2.0	334.6	6258	-8.4	13	.6	329.7	6180	-8.9	12	.5	328.7	6219	-6.3	M	M	M	6203	475	
500	-4.8	36	1.9	333.9	5857	-6.0	19	.9	329.0	5780	-7.4	20	.9	327.1	5822	-5.3	M	M	M	5801	500	
525	-3.0	45	2.6	333.7	5472	-4.6	29	1.5	328.2	5397	-4.3	33	1.7	329.3	5439	-3.8	M	M	M	5418	525	
550	-.3	34	2.3	331.5	5101	-3.2	16	.9	323.4	5030	-1.7	40	2.5	330.4	5071	-1.7	M	M	M	5049	550	
575	1.4	28	2.1	328.8	4744	-1.7	20	1.2	322.1	4678	.2	31	2.0	327.1	4716	.3	M	M	M	4694	575	
600	4.1	25	2.2	328.2	4400	.1	29	1.8	322.5	4338	1.7	38	2.7	327.1	4373	2.9	M	M	M	4352	600	
625	6.6	23	2.2	327.5	4067	3.9	21	1.7	322.6	4009	4.4	48	4.0	330.6	4043	5.2	M	M	M	4021	625	
650	9.0	20	2.2	326.7	3744	6.0	13	1.2	319.8	3689	7.0	28	2.7	325.8	3721	7.0	M	M	M	3700	650	
675	10.4	39	4.5	331.9	3430	7.3	31	2.9	323.4	3380	7.9	48	4.7	329.5	3411	8.8	M	M	M	3389	675	
700	11.4	60	7.3	337.9	3127	8.7	46	4.6	326.7	3080	9.7	49	5.3	329.9	3109	10.3	M	M	M	3088	700	
725	12.9	65	8.5	339.6	2832	10.8	41	4.6	325.8	2788	11.5	50	5.9	330.5	2817	11.5	M	M	M	2796	725	
750	14.9	51	7.2	335.1	2546	12.8	36	4.5	324.7	2504	13.3	51	6.6	331.2	2532	12.6	M	M	M	2513	750	
775	16.5	43	6.5	331.8	2267	14.3	39	5.1	325.1	2228	14.7	57	7.7	333.2	2255	13.7	M	M	M	2238	775	
800	17.5	51	8.1	334.4	1996	15.6	42	5.9	325.8	1959	15.3	75	10.3	338.2	1986	14.7	M	M	M	1971	800	
825	17.9	74	11.7	342.3	1733	16.4	48	6.8	326.4	1698	15.8	97	13.4	344.1	1724	15.8	M	M	M	1711	825	
850	19.1	79	13.0	344.3	1476	17.0	54	7.7	326.9	1443	17.5	93	14.0	345.0	1468	16.7	M	M	M	1458	850	
875	20.5	78	13.8	345.3	1225	17.5	60	8.7	327.4	1196	19.1	90	14.5	345.6	1219	17.9	M	M	M	1211	875	
900	21.9	78	14.5	346.3	980	18.0	66	9.6	327.8	954	19.8	92	14.9	344.7	975	19.2	M	M	M	971	900	
925	23.1	80	15.5	347.8	741	18.6	70	10.3	327.7	719	20.4	93	15.3	343.8	738	20.6	M	M	M	736	925	
950	23.4	93	18.0	352.1	507	21.1	92	15.5	342.3	489	21.3	94	15.9	343.6	506	20.7	M	M	M	506	950	
975	25.0	92	19.2	354.7	278	22.9	78	14.2	338.6	262	24.6	87	17.7	350.2	279	21.4	M	M	M	282	975	
1000	26.7	90	20.4	357.5	54	24.8	64	12.6	333.9	40	27.8	81	19.5	356.8	54	23.8	91	17.2	345.2	60	1000	
SFC.	26.6	96	21.4	359.5	0	25.1	61	12.3	332.9	0	28.6	80	20.0	358.4	0	24.5	91	17.8	346.8	0	SFC.	
				SURFACE PRESSURE	1006.1				SURFACE PRESSURE	1004.6				SURFACE PRESSURE	1006.1				SURFACE PRESSURE	1006.9		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

4/ 1 1637 GMT						4/ 1 1835 GMT					4/ 1 2055 GMT					4/ 1 2320 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	0.0	0	0.0	0.0	0	-63.5	0	0.0	468.8	19511	-63.7	0	0.0	468.3	19549	-63.9	0	0.0	468.0	19514	60
70	0.0	0	0.0	0.0	0	-69.1	33	.0	436.7	18577	-68.1	0	0.0	438.7	18610	-68.2	19	.0	438.7	18575	70
80	0.0	0	0.0	0.0	0	-72.0	34	.0	414.3	17781	-71.2	0	0.0	415.9	17811	-74.5	19	.0	409.1	17786	80
90	0.0	0	0.0	0.0	0	-76.5	34	.0	391.6	17097	-77.8	20	.0	389.0	17126	-80.1	20	.0	384.5	17110	90
100	0.0	0	0.0	0.0	0	-75.6	35	.0	381.7	16489	-76.9	20	.0	379.2	16522	-79.7	20	.0	373.8	16515	100
110	0.0	0	0.0	0.0	0	-79.2	35	.0	364.7	15947	-79.9	20	.0	363.3	15978	-79.1	20	.0	364.8	15976	110
120	0.0	0	0.0	0.0	0	-76.3	35	.0	361.0	15449	-75.4	20	.0	362.7	15480	-76.2	20	.0	361.2	15478	120
130	0.0	0	0.0	0.0	0	-73.7	35	.0	357.5	14985	-72.6	20	.0	359.5	15013	-73.5	20	.0	357.8	15014	130
140	0.0	0	0.0	0.0	0	-71.3	35	.0	354.3	14549	-70.4	21	.0	355.8	14575	-71.1	20	.0	354.7	14578	140
150	0.0	0	0.0	0.0	0	-69.0	35	.0	351.3	14139	-68.4	21	.0	352.4	14163	-68.5	20	.0	352.1	14167	150
160	0.0	0	0.0	0.0	0	-66.9	35	.0	348.4	13751	-66.1	21	.0	349.8	13774	-65.3	21	.0	351.2	13777	160
170	0.0	0	0.0	0.0	0	-63.5	35	.0	348.1	13382	-63.0	21	.0	348.8	13404	-62.2	21	.0	350.2	13405	170
180	0.0	0	0.0	0.0	0	-60.3	36	.0	347.7	13029	-60.2	20	.0	347.8	13050	-59.3	22	.0	349.3	13050	180
190	0.0	0	0.0	0.0	0	-57.3	37	.0	347.2	12689	-57.4	20	.0	347.0	12711	-56.6	22	.0	348.3	12709	190
200	0.0	0	0.0	0.0	0	-54.4	38	.0	346.8	12363	-54.5	22	.0	346.6	12384	-53.7	22	.0	347.9	12382	200
225	0.0	0	0.0	0.0	0	-47.9	42	.1	345.6	11597	-47.8	24	.1	345.4	11619	-47.0	21	.1	346.7	11613	225
250	0.0	0	0.0	0.0	0	-42.0	45	.2	344.4	10893	-41.9	27	.1	344.2	10914	-41.1	20	.1	345.4	10906	250
275	0.0	0	0.0	0.0	0	-36.7	49	.3	343.3	10240	-36.5	29	.2	343.1	10261	-35.7	19	.1	344.0	10251	275
300	0.0	0	0.0	0.0	0	-31.9	54	.5	342.3	9632	-31.6	31	.3	342.0	9652	-31.0	22	.2	342.5	9640	300
325	0.0	0	0.0	0.0	0	-27.5	58	.7	341.5	9061	-27.1	33	.4	341.0	9080	-26.9	28	.4	341.1	9067	325
350	0.0	0	0.0	0.0	0	-23.4	62	1.0	341.0	8523	-23.4	38	.6	339.6	8542	-23.4	38	.6	339.7	8529	350
375	0.0	0	0.0	0.0	0	-20.6	67	1.3	339.2	8015	-20.1	43	.9	338.3	8033	-20.1	49	1.0	338.8	8021	375
400	0.0	0	0.0	0.0	0	-17.9	71	1.7	337.6	7535	-17.0	48	1.2	337.3	7552	-16.8	53	1.4	338.1	7539	400
425	0.0	0	0.0	0.0	0	-14.6	77	2.2	338.0	7078	-14.2	55	1.7	336.7	7094	-13.6	35	1.1	335.5	7081	425
450	0.0	0	0.0	0.0	0	-11.5	82	2.9	338.6	6642	-11.7	58	2.0	335.5	6658	-11.8	31	1.1	332.3	6645	450
475	0.0	0	0.0	0.0	0	-8.8	87	3.6	339.1	6225	-9.6	37	1.4	331.2	6243	-8.9	33	1.4	331.8	6229	475
500	0.0	0	0.0	0.0	0	-6.9	91	4.2	338.4	5825	-6.5	36	1.7	331.0	5844	-6.2	34	1.6	331.2	5829	500
525	0.0	0	0.0	0.0	0	-5.0	94	4.7	337.7	5443	-3.5	34	1.9	330.8	5461	-3.6	35	2.0	330.8	5446	525
550	-2.2	97	5.8	340.0	5072	-3.2	95	5.2	336.9	5075	-2.1	53	3.2	332.1	5092	-1.2	37	2.3	330.5	5076	550
575	-.5	93	6.0	338.3	4716	-1.6	96	5.7	336.3	4721	.1	58	3.9	332.9	4737	.7	46	3.3	331.6	4720	575
600	1.1	90	6.3	337.1	4374	.1	97	6.3	335.8	4381	1.9	64	4.6	333.2	4394	2.9	42	3.3	330.5	4377	600
625	2.7	92	6.9	337.0	4044	1.6	99	6.8	335.3	4052	2.3	75	5.4	332.2	4065	4.0	54	4.4	331.2	4046	625
650	4.3	94	7.5	337.0	3725	3.5	97	7.3	335.4	3734	4.7	59	4.9	329.6	3746	5.7	42	3.7	327.3	3726	650
675	5.8	96	8.2	337.1	3416	5.5	93	7.8	335.7	3425	7.0	43	4.0	326.2	3437	8.1	37	3.7	326.4	3415	675
700	7.7	91	8.7	337.3	3117	7.4	90	8.3	335.9	3126	9.1	30	3.0	322.4	3137	10.3	32	3.5	325.4	3114	700
725	9.8	85	9.0	337.2	2825	9.3	87	8.8	336.1	2835	11.0	25	2.9	320.8	2845	11.9	29	3.5	323.8	2821	725
750	11.7	84	9.8	338.6	2542	10.8	87	9.4	336.3	2553	12.7	22	2.6	319.0	2562	13.4	27	3.5	322.3	2537	750
775	13.5	86	10.9	340.9	2266	12.2	86	9.9	336.4	2278	13.8	36	4.6	323.0	2286	14.8	25	3.4	320.7	2261	775
800	15.1	84	11.4	341.0	1996	13.9	82	10.2	336.1	2010	15.2	40	5.4	324.1	2018	16.2	23	3.4	319.1	1992	800
825	15.6	65	8.8	331.1	1735	15.4	78	10.5	335.7	1749	16.9	35	5.1	322.1	1756	17.4	29	4.4	320.7	1730	825
850	16.6	75	10.6	334.4	1481	17.0	74	10.7	335.2	1495	18.4	41	6.4	324.9	1501	18.5	38	5.9	323.4	1474	850
875	17.7	81	11.9	336.5	1232	18.5	71	10.8	334.6	1246	19.8	49	8.2	328.7	1252	19.5	45	7.4	326.3	1225	875
900	19.0	79	12.2	336.2	990	19.9	67	11.0	333.9	1003	21.1	57	10.1	332.9	1008	20.6	53	9.0	329.3	982	900
925	20.4	81	13.4	338.3	753	21.3	66	11.4	334.0	766	22.5	65	12.1	337.4	770	21.6	61	10.7	332.5	745	925
950	21.8	82	14.3	339.9	522	22.6	67	12.3	335.5	534	23.8	72	14.2	342.2	536	22.6	68	12.4	335.8	512	950
975	23.2	78	14.4	339.5	295	23.9	69	13.3	337.2	307	25.0	79	16.5	347.4	308	24.0	68	13.1	336.9	285	975
1000	24.6	73	14.5	338.8	73	24.9	76	15.2	341.2	84	26.2	86	18.9	352.9	84	27.1	76	17.4	349.8	62	1000
SFC.	25.1	72	14.5	338.6	0	25.1	82	16.5	344.0	0	26.7	89	19.8	355.0	0	28.6	85	21.3	361.9	0	SFC.
SURFACE PRESSURE 1008.3					SURFACE PRESSURE 1009.6					SURFACE PRESSURE 1009.5					SURFACE PRESSURE 1007.0						

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

4/ 2 230 GMT						4/ 2 529 GMT					4/ 2 829 GMT					4/ 2 1126 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-65.9	0	0.0	463.4	19508	0.0	0	0.0	0.0	0	-70.4	0	0.0	453.3	19488	-63.0	0	0.0	469.9	19469	60	
70	-66.0	0	0.0	443.3	18569	0.0	0	0.0	0.0	0	-69.0	0	0.0	436.8	18569	-70.6	0	0.0	433.4	18544	70	
80	-72.9	30	.0	412.5	17771	0.0	0	0.0	0.0	0	-72.7	0	0.0	412.8	17775	-70.2	0	0.0	418.0	17749	80	
90	-78.8	30	.0	387.1	17092	-77.1	35	.0	390.4	17140	-77.4	43	.0	389.9	17092	-75.2	32	.0	394.3	17058	90	
100	-80.0	30	.0	373.2	16494	-80.9	35	.0	371.5	16541	-81.1	43	.0	371.1	16494	-79.2	32	.0	374.7	16453	100	
110	-79.5	30	.0	364.2	15955	-79.3	35	.0	364.5	16002	-79.9	43	.0	363.4	15957	-80.3	32	.0	362.6	15916	110	
120	-76.9	30	.0	359.9	15458	-77.8	35	.0	358.2	15557	-77.7	42	.0	358.4	15462	-78.0	32	.0	357.9	15421	120	
130	-74.6	31	.0	356.0	14995	-74.8	35	.0	355.5	15045	-75.7	42	.0	354.0	15001	-75.9	32	.0	353.6	14961	130	
140	-72.3	31	.0	352.6	14562	-71.9	35	.0	353.2	14612	-72.4	42	.0	352.3	14570	-72.8	32	.0	351.5	14530	140	
150	-68.9	31	.0	351.4	14153	-68.4	35	.0	352.4	14202	-69.0	43	.0	351.3	14161	-69.7	32	.0	350.1	14122	150	
160	-65.8	31	.0	350.3	13764	-64.9	35	.0	351.8	13811	-65.8	43	.0	350.3	13772	-66.4	32	.0	349.3	13734	160	
170	-62.8	30	.0	349.2	13393	-61.7	35	.0	351.1	13439	-62.8	43	.0	349.2	13401	-63.3	32	.0	348.4	13365	170	
180	-60.1	30	.0	348.1	13038	-58.6	34	.0	350.5	13082	-60.0	43	.0	348.2	13047	-60.4	32	.0	347.5	13011	180	
190	-57.3	30	.0	347.3	12699	-55.7	34	.0	349.8	12740	-57.3	44	.0	347.2	12707	-57.7	32	.0	346.6	12672	190	
200	-54.2	30	.0	347.1	12372	-53.0	34	.0	349.1	12412	-54.8	44	.0	346.2	12381	-55.1	32	.0	345.7	12346	200	
225	-47.3	29	.1	346.4	11605	-46.8	46	.1	347.2	11642	-48.5	47	.1	344.5	11617	-49.0	25	.0	343.6	11584	225	
250	-41.0	29	.1	345.6	10898	-41.4	58	.2	345.5	10935	-42.7	53	.2	343.4	10915	-43.2	28	.1	342.3	10883	250	
275	-35.4	29	.2	344.8	10242	-36.0	62	.4	344.7	10281	-37.3	57	.3	342.4	10264	-37.6	39	.2	341.6	10234	275	
300	-30.2	28	.3	344.0	9630	-30.8	55	.5	344.0	9670	-32.5	62	.5	341.6	9657	-32.5	53	.4	341.4	9627	300	
325	-25.5	28	.4	343.2	9055	-25.9	45	.6	343.4	9096	-27.5	59	.7	341.5	9087	-27.6	55	.7	341.2	9057	325	
350	-21.7	31	.6	341.8	8513	-21.3	55	1.1	344.2	8554	-22.7	53	.9	341.7	8548	-23.9	65	1.0	340.4	8520	350	
375	-19.6	46	1.0	339.4	8003	-18.6	67	1.6	342.7	8042	-18.8	52	1.2	341.1	8038	-20.4	54	1.1	338.6	8012	375	
400	-17.0	60	1.5	338.3	7521	-16.1	78	2.1	341.6	7558	-16.4	73	2.0	340.6	7554	-16.5	20	.5	335.6	7531	400	
425	-14.6	58	1.7	336.1	7063	-14.1	73	2.2	338.6	7099	-13.3	46	1.5	337.2	7096	-13.4	19	.6	334.1	7072	425	
450	-12.1	23	.8	330.8	6629	-11.2	30	1.1	333.0	6663	-11.6	19	.7	331.1	6659	-11.2	28	1.0	332.8	6635	450	
475	-9.0	22	.9	330.1	6213	-7.8	25	1.1	332.3	6246	-9.3	18	.7	329.1	6243	-9.6	20	.8	328.9	6219	475	
500	-6.2	30	1.5	330.6	5813	-5.2	23	1.2	331.1	5845	-8.2	45	1.9	329.5	5845	-8.5	77	3.1	332.9	5822	500	
525	-3.7	43	2.4	332.0	5430	-3.2	37	2.1	331.7	5460	-4.7	28	1.4	327.7	5464	-5.6	39	1.9	328.0	5441	525	
550	-1.6	42	2.6	330.9	5061	-.6	17	1.1	327.3	5090	-3.4	49	2.7	328.8	5097	-3.7	54	2.9	329.1	5075	550	
575	.5	47	3.2	331.1	4705	1.4	53	3.9	334.5	4734	-.2	65	4.3	333.6	4743	-1.0	77	4.7	334.0	4721	575	
600	2.5	58	4.4	333.3	4362	3.4	70	5.7	338.1	4389	2.5	71	5.4	336.4	4400	.5	87	5.8	334.9	4380	600	
625	3.7	60	4.8	332.0	4031	5.6	69	6.3	338.8	4056	4.4	65	5.4	334.7	4068	2.9	75	5.7	333.6	4050	625	
650	5.8	48	4.2	329.1	3711	7.2	50	4.9	332.8	3734	6.9	55	5.3	333.7	3747	5.7	65	5.8	333.6	3730	650	
675	8.7	36	3.7	327.5	3400	9.4	41	4.5	330.7	3422	9.4	51	5.6	333.8	3435	7.9	62	6.1	333.6	3420	675	
700	10.8	41	4.7	329.4	3098	11.6	32	3.9	328.1	3119	11.1	53	6.3	334.4	3132	9.7	58	6.3	332.8	3118	700	
725	12.6	37	4.7	328.1	2805	13.8	24	3.2	325.0	2825	12.7	55	7.0	335.2	2838	12.0	42	5.1	328.7	2825	725	
750	14.3	30	4.0	325.0	2519	15.8	15	2.3	321.4	2538	14.7	34	4.8	327.7	2552	13.1	42	5.4	327.5	2541	750	
775	16.0	27	4.0	323.9	2242	17.2	30	4.8	327.4	2260	16.2	31	4.7	326.0	2274	14.2	56	7.3	331.4	2265	775	
800	17.6	25	4.0	322.6	1971	18.4	45	7.6	334.2	1988	17.1	45	7.0	330.7	2004	15.0	70	9.4	335.1	1996	800	
825	18.9	29	4.8	323.5	1708	19.5	54	9.4	337.6	1723	18.0	58	9.2	335.2	1740	14.9	94	12.3	340.1	1734	825	
850	19.7	40	6.8	327.5	1451	20.4	58	10.3	338.3	1466	19.5	59	10.0	336.3	1484	16.6	95	13.4	342.1	1480	850	
875	20.4	51	8.9	331.4	1201	18.1	67	10.1	332.0	1215	20.9	60	10.8	337.5	1233	18.2	96	14.5	344.3	1231	875	
900	21.1	62	11.0	335.4	957	19.7	90	14.6	343.8	972	21.6	69	12.5	340.3	988	19.7	96	15.7	346.6	988	900	
925	21.8	73	13.1	339.3	719	21.5	95	16.8	349.2	734	21.8	82	14.8	344.1	750	21.2	97	16.9	349.0	750	925	
950	22.4	83	15.2	343.2	487	23.5	95	18.4	353.4	501	22.1	95	17.0	347.6	517	22.7	98	18.1	351.5	517	950	
975	24.1	87	17.1	347.9	259	25.5	91	19.6	356.7	272	24.7	91	18.6	352.8	289	24.7	93	19.1	354.0	289	975	
1000	26.9	84	18.9	353.9	36	27.6	88	20.8	359.9	47	27.3	87	20.3	358.1	65	26.8	88	19.8	356.2	65	1000	
SFC.	27.3	83	19.2	354.8	0	28.0	87	21.0	360.6	0	28.0	86	20.7	359.6	0	27.4	86	20.0	356.7	0	SFC.	
				SURFACE PRESSURE	1004.0				SURFACE PRESSURE	1005.3				SURFACE PRESSURE	1007.3				SURFACE PRESSURE	1007.3		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

4/ 2 1730 GMT					4/ 2 2320 GMT					4/ 3 542 GMT					4/ 3 1214 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	T	RH	W	EPT	H	P
60	-64.1	0	0.0	467.3	19453	-61.5	0	0.0	473.2	19605	0.0	0	0.0	0.0	0	-65.5	0	0.0	464.3	19476	60	
70	-69.7	0	0.0	435.4	18522	-65.7	0	0.0	443.9	18655	0.0	0	0.0	0.0	0	-70.1	23	.0	434.4	18547	70	
80	-74.8	0	0.0	408.6	17736	-72.6	0	0.0	412.9	17850	0.0	0	0.0	0.0	0	-77.7	23	.0	402.5	17768	80	
90	-76.7	20	.0	391.1	17056	-76.1	18	.0	392.4	17169	0.0	0	0.0	0.0	0	-79.8	23	.0	385.1	17098	90	
100	-77.9	20	.0	377.2	16451	-75.1	18	.0	382.7	16559	-82.8	17	.0	367.8	16498	-80.5	23	.0	372.2	16503	100	
110	-77.6	20	.0	367.6	15907	-78.5	18	.0	365.9	16015	-79.2	16	.0	364.7	15961	-78.2	23	.0	366.5	15962	110	
120	-76.0	20	.0	361.6	15407	-76.2	18	.0	361.2	15516	-75.8	16	.0	361.9	15463	-76.2	23	.0	361.3	15463	120	
130	-74.5	20	.0	356.0	14943	-73.8	18	.0	357.4	15051	-72.8	15	.0	359.2	14997	-73.9	23	.0	357.2	14999	130	
140	-72.1	20	.0	352.9	14509	-71.5	18	.0	353.8	14616	-71.9	16	.0	353.2	14560	-71.3	23	.0	354.3	14563	140	
150	-69.3	20	.0	350.7	14100	-68.3	18	.0	352.4	14206	-69.6	16	.0	350.3	14152	-68.8	23	.0	351.6	14153	150	
160	-66.4	20	.0	349.3	13712	-65.1	18	.0	351.5	13816	-66.4	17	.0	349.2	13764	-65.4	22	.0	350.9	13764	160	
170	-63.3	20	.0	348.5	13342	-62.0	17	.0	350.5	13443	-63.5	17	.0	348.0	13395	-62.2	22	.0	350.2	13392	170	
180	-60.3	20	.0	347.6	12989	-59.2	17	.0	349.5	13088	-60.4	17	.0	347.6	13041	-59.2	21	.0	349.4	13036	180	
190	-57.5	20	.0	346.8	12649	-55.9	16	.0	349.4	12746	-57.0	16	.0	347.6	12702	-56.4	20	.0	348.6	12695	190	
200	-54.9	21	.0	345.9	12324	-52.8	16	.0	349.3	12418	-53.8	15	.0	347.6	12374	-53.5	20	.0	348.1	12368	200	
225	-48.9	21	.0	343.8	11560	-45.8	15	.0	348.6	11645	-46.6	14	.0	347.3	11605	-46.0	20	.1	348.2	11597	225	
250	-43.3	21	.1	341.9	10860	-39.7	16	.1	347.4	10934	-40.3	13	.1	346.5	10896	-40.5	23	.1	346.3	10886	250	
275	-37.9	19	.1	340.8	10211	-34.8	17	.1	345.3	10276	-36.1	16	.1	343.4	10240	-36.7	26	.2	342.7	10231	275	
300	-32.9	18	.1	339.6	9605	-31.5	18	.2	341.7	9665	-33.1	25	.2	339.5	9632	-33.1	29	.2	339.6	9624	300	
325	-29.9	22	.2	336.3	9038	-28.5	21	.2	338.4	9094	-28.1	19	.2	338.8	9063	-28.7	28	.3	338.3	9057	325	
350	-25.5	21	.3	335.5	8505	-24.2	21	.3	337.4	8559	-25.2	28	.4	336.4	8528	-24.0	21	.3	337.8	8521	350	
375	-21.4	20	.4	334.7	8001	-19.8	19	.4	337.0	8052	-21.0	29	.5	335.9	8023	-20.4	27	.6	336.8	8014	375	
400	-17.6	20	.5	334.0	7521	-15.6	18	.5	336.7	7569	-17.4	38	.9	335.8	7543	-17.0	33	.8	336.0	7533	400	
425	-14.2	22	.7	333.3	7065	-12.6	16	.5	334.9	7109	-13.7	23	.7	334.1	7085	-13.3	27	.9	335.2	7074	425	
450	-11.0	27	1.0	333.0	6628	-9.8	17	.7	333.4	6670	-10.4	15	.6	332.4	6648	-9.8	22	.9	334.2	6636	450	
475	-9.7	28	1.1	329.8	6211	-7.4	28	1.3	333.4	6251	-7.4	13	.6	331.0	6229	-6.5	17	.8	333.0	6216	475	
500	-7.0	47	2.1	331.8	5814	-4.8	20	1.1	331.1	5849	-5.3	33	1.7	332.6	5828	-7.1	20	.9	327.6	5816	500	
525	-5.7	58	2.8	330.7	5432	-2.3	32	2.0	332.5	5464	-2.6	17	1.0	329.0	5443	-3.4	31	1.8	330.5	5433	525	
550	-3.9	58	3.0	329.3	5066	-1.2	43	2.7	331.9	5093	-.1	29	2.0	330.8	5073	-1.2	43	2.7	331.9	5063	550	
575	-1.1	49	3.0	328.6	4713	1.1	36	2.6	330.0	4737	.3	52	3.5	331.9	4716	-1.1	75	4.6	333.6	4708	575	
600	1.4	59	4.1	331.1	4371	3.2	44	3.5	331.4	4393	2.1	66	4.9	334.2	4373	1.2	72	5.0	333.4	4367	600	
625	3.2	58	4.5	330.4	4041	5.3	45	4.0	331.6	4061	3.9	71	5.8	335.1	4042	2.4	85	6.2	334.5	4037	625	
650	5.2	55	4.7	329.8	3722	7.3	46	4.5	331.9	3739	5.6	67	5.9	333.8	3722	4.8	53	4.4	328.4	3718	650	
675	7.7	48	4.7	329.2	3412	9.4	39	4.3	329.9	3427	6.8	43	3.9	325.7	3412	7.3	38	3.6	325.3	3409	675	
700	10.1	42	4.6	328.2	3111	11.4	31	3.8	327.4	3124	10.0	31	3.4	324.6	3111	9.2	34	3.5	324.0	3109	700	
725	11.8	42	5.0	328.2	2818	12.8	35	4.4	327.6	2831	11.5	21	2.5	320.3	2819	11.1	30	3.4	322.6	2817	725	
750	13.8	25	3.3	322.0	2533	14.7	26	3.6	324.0	2545	12.8	36	4.4	324.2	2535	12.9	31	3.9	322.8	2533	750	
775	15.5	27	3.8	322.5	2256	15.7	39	5.7	328.4	2267	13.8	35	4.5	322.7	2259	14.4	31	4.1	322.2	2257	775	
800	17.1	28	4.3	323.0	1987	16.6	36	5.3	325.4	1997	14.7	48	6.3	326.0	1991	15.6	30	4.2	320.8	1988	800	
825	17.1	38	5.7	324.0	1724	18.3	36	5.8	325.8	1735	15.7	68	9.4	332.9	1730	16.6	38	5.5	323.0	1727	825	
850	16.8	51	7.2	325.3	1470	19.4	43	7.1	327.9	1478	17.2	72	10.6	335.1	1475	17.3	69	10.1	334.1	1472	850	
875	17.4	65	9.3	329.0	1222	20.3	49	8.5	330.3	1228	18.8	67	10.6	334.3	1227	18.6	73	11.4	336.2	1223	875	
900	18.4	74	11.0	332.2	980	21.3	56	10.0	332.7	985	20.5	62	10.5	333.2	984	19.3	76	11.9	335.8	981	900	
925	20.1	75	12.0	334.3	744	22.2	63	11.4	335.3	746	22.0	60	10.9	333.6	746	19.3	77	11.7	332.5	745	925	
950	21.7	75	13.0	336.5	513	23.1	69	13.0	337.9	514	23.3	72	13.9	340.7	513	21.3	94	15.9	343.8	514	950	
975	23.3	76	14.1	338.8	286	25.4	63	13.3	339.3	286	24.6	84	17.1	348.4	285	23.1	91	16.9	346.1	287	975	
1000	25.3	85	17.5	347.8	64	28.4	67	16.6	349.6	62	26.2	58	12.5	335.3	62	25.0	86	17.3	346.9	64	1000	
SFC.	26.3	95	20.7	357.3	0	30.2	83	22.8	368.5	0	26.6	49	10.7	330.2	0	25.5	84	17.4	347.1	0	SFC.	
				SURFACE PRESSURE	1007.2				SURFACE PRESSURE	1006.9				SURFACE PRESSURE	1007.0				SURFACE PRESSURE	1007.3		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

4/ 3 1529 GMT						4/ 3 1745 GMT					4/ 3 2025 GMT					4/ 3 2350 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-66.8	0	0.0	461.4	19471	0.0	0	0.0	0.0	0	-64.0	0	0.0	467.7	19605	-64.2	0	0.0	467.2	19603	60	
70	-69.0	0	0.0	436.8	18544	0.0	0	0.0	0.0	0	-70.1	0	0.0	434.3	18673	-70.6	0	0.0	433.3	18669	70	
80	-75.5	0	0.0	407.0	17758	-72.6	23	.0	413.0	17861	-70.2	0	0.0	418.0	17881	-69.0	0	0.0	420.4	17874	80	
90	-78.5	0	0.0	387.6	17083	-75.5	24	.0	393.5	17176	-74.4	20	.0	395.8	17186	-76.1	0	0.0	392.3	17180	90	
100	-79.7	26	.0	373.8	16485	-77.2	25	.0	378.6	16568	-79.3	21	.0	374.5	16580	-77.5	21	.0	378.0	16576	100	
110	-76.1	26	.0	370.4	15940	-74.9	25	.0	372.7	16018	-76.0	21	.0	370.8	16035	-75.2	21	.0	372.1	16028	110	
120	-75.6	26	.0	362.3	15436	-74.9	25	.0	363.5	15512	-73.3	21	.0	366.6	15528	-73.6	21	.0	366.1	15521	120	
130	-73.7	26	.0	357.5	14971	-72.9	25	.0	359.0	15046	-72.1	20	.0	360.3	15058	-72.0	21	.0	360.5	15052	130	
140	-71.6	26	.0	353.8	14536	-70.2	24	.0	356.2	14608	-71.1	20	.0	354.6	14621	-69.9	22	.0	356.7	14613	140	
150	-68.6	25	.0	351.9	14125	-67.6	24	.0	353.6	14196	-68.1	20	.0	352.8	14210	-66.9	22	.0	354.8	14200	150	
160	-65.8	24	.0	350.2	13736	-64.8	24	.0	352.0	13805	-64.8	19	.0	351.9	13820	-64.2	23	.0	353.0	13807	160	
170	-63.0	24	.0	348.9	13366	-61.4	24	.0	351.5	13432	-61.7	19	.0	351.0	13447	-61.6	23	.0	351.2	13434	170	
180	-59.8	24	.0	348.5	13011	-58.3	23	.0	351.0	13075	-58.8	19	.0	350.1	13090	-59.2	23	.0	349.5	13078	180	
190	-56.8	24	.0	348.0	12671	-55.3	23	.0	350.4	12732	-55.8	19	.0	349.7	12749	-56.2	22	.0	348.9	12737	190	
200	-53.9	24	.0	347.5	12344	-52.5	23	.0	349.9	12403	-52.9	19	.0	349.2	12420	-53.2	22	.0	348.7	12409	200	
225	-47.4	25	.1	346.2	11577	-46.0	22	.1	348.4	11630	-46.2	19	.1	347.9	11649	-46.1	20	.1	348.1	11638	225	
250	-41.5	25	.1	344.8	10871	-40.8	23	.1	345.8	10921	-40.3	19	.1	346.5	10939	-39.8	18	.1	347.4	10928	250	
275	-37.6	28	.2	341.4	10219	-37.0	26	.2	342.2	10267	-36.6	20	.1	342.6	10284	-35.9	20	.1	343.8	10270	275	
300	-33.0	28	.2	339.7	9613	-32.7	28	.2	340.3	9660	-31.7	19	.2	341.4	9675	-31.5	20	.2	341.7	9660	300	
325	-28.8	28	.3	338.2	9045	-28.1	26	.3	339.2	9091	-27.2	18	.2	340.1	9104	-27.1	19	.2	340.3	9089	325	
350	-25.0	28	.4	336.7	8511	-23.3	21	.4	338.7	8554	-23.0	18	.3	338.9	8565	-23.0	18	.3	339.0	8550	350	
375	-21.4	28	.5	335.3	8005	-20.0	24	.5	337.0	8046	-19.2	17	.4	337.6	8056	-19.5	18	.4	337.3	8041	375	
400	-17.8	37	.9	335.1	7526	-16.9	26	.7	335.5	7564	-16.4	20	.5	335.7	7573	-16.4	19	.5	335.6	7559	400	
425	-14.1	31	.9	334.3	7069	-13.0	23	.8	335.2	7106	-12.9	18	.6	334.7	7114	-12.9	18	.6	334.8	7100	425	
450	-10.5	25	.9	333.4	6632	-9.5	21	.9	334.5	6667	-9.6	17	.7	333.8	6676	-9.5	18	.7	334.0	6661	450	
475	-7.2	19	.9	332.3	6214	-6.3	19	.9	333.7	6247	-6.5	16	.8	332.8	6256	-6.4	17	.9	333.3	6241	475	
500	-5.9	17	.8	329.0	5813	-4.5	19	1.0	331.2	5844	-4.3	16	.9	331.1	5853	-3.4	17	1.0	332.5	5838	500	
525	-4.2	31	1.7	329.1	5430	-4.0	29	1.6	329.1	5459	-2.6	17	1.0	329.0	5468	-1.7	17	1.1	330.3	5451	525	
550	-1.7	39	2.4	330.1	5061	-.9	27	1.8	329.1	5090	-.3	18	1.3	328.2	5097	.1	23	1.6	329.8	5080	550	
575	-1.9	94	5.5	335.0	4707	1.1	55	4.0	334.3	4734	1.9	35	2.7	331.2	4740	1.8	29	2.2	329.5	4722	575	
600	.9	72	4.9	332.8	4366	1.9	64	4.7	333.2	4392	3.0	52	4.1	333.0	4396	2.8	50	3.9	332.0	4378	600	
625	2.9	77	5.8	334.1	4037	4.2	58	4.8	332.4	4060	4.6	43	3.6	329.5	4064	4.5	44	3.7	329.6	4047	625	
650	5.2	61	5.2	331.3	3717	5.9	53	4.7	330.7	3740	6.6	44	4.2	329.8	3743	6.7	42	3.9	329.2	3726	650	
675	7.4	41	3.9	326.5	3407	8.4	42	4.3	328.8	3430	8.8	33	3.4	326.7	3432	9.2	40	4.3	329.6	3415	675	
700	9.6	21	2.2	320.5	3107	11.0	32	3.8	326.8	3127	11.0	20	2.3	322.3	3130	10.8	28	3.2	324.9	3112	700	
725	11.4	22	2.6	320.4	2815	12.5	25	3.1	323.3	2834	11.7	18	2.2	319.5	2837	12.4	22	2.8	322.2	2819	725	
750	13.1	24	3.0	320.4	2531	13.9	25	3.3	322.3	2549	12.4	17	2.1	316.9	2554	13.9	23	3.1	321.7	2534	750	
775	14.8	25	3.4	320.5	2255	16.1	24	3.5	322.5	2272	13.0	17	2.0	314.4	2279	15.4	24	3.4	321.3	2257	775	
800	16.4	26	3.8	320.6	1986	18.2	23	3.8	322.6	2001	13.6	16	1.9	311.9	2012	16.8	25	3.8	321.0	1988	800	
825	18.0	27	4.3	320.9	1723	19.2	26	4.4	322.9	1738	18.6	25	4.1	321.1	1751	18.1	27	4.2	321.0	1725	825	
850	18.1	59	9.2	332.3	1468	19.8	31	5.3	323.2	1481	19.3	37	6.1	325.1	1495	16.3	71	9.8	331.9	1470	850	
875	18.7	77	11.9	337.9	1219	19.5	50	8.1	328.1	1231	19.9	49	8.2	329.0	1245	18.0	67	10.0	331.7	1222	875	
900	19.7	83	13.4	340.2	976	20.2	51	8.5	327.3	989	20.5	62	10.5	333.4	1002	19.6	66	10.6	332.6	980	900	
925	20.6	89	14.8	342.6	738	21.2	66	11.4	334.0	751	21.1	77	13.2	338.7	765	21.2	69	11.8	335.2	743	925	
950	21.5	95	16.3	345.1	506	22.6	82	15.1	343.1	519	22.1	80	14.2	340.2	532	22.8	71	13.1	337.9	511	950	
975	23.1	88	16.2	344.2	279	24.6	74	15.0	342.8	291	24.8	70	14.4	341.3	305	25.0	66	13.7	339.7	283	975	
1000	24.7	80	15.9	342.6	57	26.5	69	15.2	343.2	68	27.8	68	16.2	347.5	81	28.1	80	19.6	357.4	59	1000	
SFC.	25.1	78	15.7	342.2	0	26.1	87	18.7	351.4	0	30.0	85	23.1	368.7	0	29.6	96	25.6	375.5	0	SFC.	
				SURFACE PRESSURE	1006.5				SURFACE PRESSURE	1007.7				SURFACE PRESSURE	1009.1				SURFACE PRESSURE	1006.6		



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

4/ 4 243 GMT						4/ 4 540 GMT					4/ 4 9 9 GMT					4/ 4 1140 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-64.2	0	0.0	467.2	19532	0.0	0	0.0	0.0	0	-63.9	0	0.0	467.9	19426	-67.5	0	0.0	459.8	19472	60
70	-71.4	0	0.0	431.7	18606	0.0	0	0.0	0.0	0	-67.3	12	.0	440.6	18494	-67.9	0	0.0	439.2	18543	70
80	-72.2	17	.0	413.8	17817	-73.6	18	.0	410.9	17737	-73.1	12	.0	411.9	17698	-75.1	0	0.0	407.8	17754	80
90	-77.8	17	.0	388.9	17135	-81.2	18	.0	382.2	17062	-80.1	13	.0	384.3	17020	-80.4	18	.0	383.9	17081	90
100	-78.0	17	.0	377.1	16532	-78.5	18	.0	376.1	16465	-80.8	13	.0	371.6	16426	-80.1	19	.0	373.0	16486	100
110	-77.0	17	.0	368.9	15986	-76.8	18	.0	369.1	15920	-78.7	13	.0	365.6	15886	-77.7	19	.0	367.5	15944	110
120	-76.0	17	.0	361.6	15485	-75.3	18	.0	362.9	15418	-76.7	13	.0	360.2	15388	-75.5	19	.0	362.5	15443	120
130	-73.4	17	.0	358.1	15020	-75.6	18	.0	354.1	14955	-76.8	13	.0	351.9	14927	-75.1	19	.0	355.1	14979	130
140	-70.7	17	.0	355.3	14583	-72.1	18	.0	352.7	14522	-73.6	16	.0	350.2	14498	-72.6	19	.0	351.9	14548	140
150	-67.3	16	.0	354.3	14171	-68.9	18	.0	351.4	14113	-70.6	18	.0	348.5	14092	-69.0	18	.0	351.3	14139	150
160	-64.1	16	.0	353.2	13779	-65.9	18	.0	350.1	13724	-67.8	21	.0	346.8	13706	-65.6	18	.0	350.6	13750	160
170	-61.1	16	.0	352.1	13405	-62.9	18	.0	349.0	13354	-65.2	23	.0	345.3	13339	-62.4	17	.0	349.9	13378	170
180	-58.2	15	.0	351.1	13047	-60.2	17	.0	347.9	12999	-62.7	25	.0	343.7	12989	-60.3	17	.0	347.7	13023	180
190	-55.5	15	.0	350.1	12705	-57.6	17	.0	346.8	12660	-59.9	26	.0	342.9	12654	-58.2	17	.0	345.6	12685	190
200	-52.6	15	.0	349.7	12376	-54.6	16	.0	346.4	12334	-56.6	25	.0	343.2	12331	-55.2	17	.0	345.5	12360	200
225	-45.8	15	.0	348.5	11603	-47.8	14	.0	345.5	11568	-49.0	23	.0	343.6	11571	-48.1	17	.0	345.0	11596	225
250	-39.8	14	.1	347.2	10893	-41.3	15	.1	345.0	10863	-42.3	22	.1	343.6	10869	-41.7	16	.1	344.3	10891	250
275	-35.6	15	.1	344.0	10234	-37.8	30	.2	341.2	10210	-36.8	22	.1	342.5	10216	-36.0	16	.1	343.5	10237	275
300	-31.5	17	.2	341.7	9624	-32.6	20	.2	340.1	9603	-33.8	34	.3	338.8	9611	-33.1	32	.2	339.7	9629	300
325	-27.6	18	.2	339.5	9052	-28.8	33	.4	338.4	9035	-29.0	22	.2	337.6	9044	-28.7	34	.4	338.6	9061	325
350	-23.4	17	.3	338.4	8515	-24.7	27	.4	336.9	8500	-24.7	32	.5	337.3	8509	-24.6	44	.7	338.1	8526	350
375	-19.4	15	.3	337.3	8006	-21.2	16	.3	334.8	7994	-21.3	28	.5	335.4	8004	-20.5	20	.4	336.0	8020	375
400	-17.2	17	.4	334.3	7524	-19.4	18	.4	331.2	7516	-18.2	25	.6	333.5	7525	-17.0	18	.5	334.6	7539	400
425	-13.9	27	.8	334.1	7067	-15.0	30	.8	332.8	7061	-15.2	21	.6	331.6	7069	-14.0	25	.8	333.9	7082	425
450	-10.8	29	1.1	333.5	6630	-12.3	25	.8	330.8	6626	-12.4	23	.7	330.3	6635	-11.0	30	1.1	333.4	6645	450
475	-7.8	13	.6	330.5	6212	-9.3	22	.9	329.6	6210	-9.8	37	1.4	330.8	6220	-9.4	57	2.3	334.1	6228	475
500	-5.4	14	.7	329.1	5812	-6.6	29	1.3	329.8	5811	-7.3	38	1.7	330.0	5822	-6.3	50	2.4	333.6	5829	500
525	-3.1	14	.8	327.7	5427	-3.7	25	1.4	328.8	5428	-4.7	15	.8	325.5	5440	-3.6	22	1.2	328.5	5445	525
550	-1.0	16	1.1	326.7	5058	-.9	21	1.3	327.7	5059	-1.8	14	.8	324.9	5072	-1.0	33	2.1	330.2	5076	550
575	.8	33	2.3	328.7	4702	1.0	29	2.1	328.1	4703	.9	13	.9	324.3	4717	1.4	44	3.2	332.3	4720	575
600	2.4	49	3.7	331.0	4359	1.4	56	4.0	330.7	4360	1.6	56	4.0	330.9	4374	2.4	65	4.9	334.6	4376	600
625	3.7	44	3.5	328.1	4028	3.1	58	4.4	330.2	4030	3.2	49	3.7	328.1	4044	4.0	58	4.7	332.0	4045	625
650	6.1	45	4.1	328.9	3708	4.7	59	4.9	329.6	3711	4.9	55	4.6	328.9	3725	6.0	49	4.4	329.9	3724	650
675	8.4	35	3.6	326.6	3397	6.6	41	3.7	324.8	3402	7.2	32	3.0	323.4	3416	8.0	41	4.0	327.5	3414	675
700	10.1	24	2.6	322.2	3096	8.5	23	2.3	319.3	3103	9.4	14	1.5	317.8	3116	9.8	34	3.7	325.3	3113	700
725	11.6	21	2.4	320.0	2803	9.4	74	7.6	332.8	2812	10.7	33	3.7	322.8	2824	12.0	31	3.8	324.7	2820	725
750	12.8	31	3.8	322.5	2520	11.2	82	9.1	336.1	2529	12.5	17	2.1	317.1	2541	13.6	27	3.5	322.6	2536	750
775	14.9	39	5.4	326.6	2243	13.5	71	8.9	335.2	2253	14.6	20	2.7	318.2	2265	14.8	34	4.7	324.4	2259	775
800	16.3	26	3.8	320.6	1974	15.3	75	10.3	338.0	1984	15.4	36	4.9	322.8	1997	16.0	41	5.9	326.4	1990	800
825	17.0	59	8.7	332.6	1712	16.4	80	11.5	339.6	1722	16.0	51	7.1	326.8	1735	17.1	48	7.2	328.5	1728	825
850	18.2	52	8.1	329.3	1456	15.6	88	11.6	336.1	1467	14.0	66	7.8	323.7	1483	17.5	63	9.4	332.1	1472	850
875	18.5	74	11.4	336.1	1207	17.1	88	12.5	337.4	1220	17.0	97	13.7	340.6	1237	18.5	80	12.4	339.0	1224	875
900	19.4	76	12.1	336.5	965	18.6	88	13.4	339.0	978	18.5	91	13.7	339.7	995	19.4	80	12.7	338.0	981	900
925	20.4	79	12.9	337.1	728	20.1	89	14.3	340.6	741	20.7	89	15.0	343.1	758	20.6	88	14.8	342.6	744	925
950	21.3	81	13.8	338.0	496	21.5	89	15.3	342.3	510	23.5	94	18.3	353.2	525	22.0	93	16.6	346.5	511	950
975	24.5	87	17.5	349.5	269	23.3	85	16.0	343.9	283	24.7	91	18.5	352.4	296	23.9	86	16.6	346.4	284	975
1000	27.5	93	22.0	363.0	45	25.7	77	16.2	344.9	60	24.8	82	16.3	344.0	73	25.8	78	16.5	345.9	61	1000
SFC.	28.1	94	22.9	366.0	0	26.3	75	16.3	345.1	0	24.8	79	15.6	341.3	0	26.3	76	16.5	345.7	0	SFC.
				SURFACE PRESSURE	1005.0				SURFACE PRESSURE	1006.8				SURFACE PRESSURE	1008.3				SURFACE PRESSURE	1006.9	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

4/ 4 1745 GMT					4/ 4 2330 GMT					4/ 5 630 GMT					4/ 5 1115 GMT					P		
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-63.0	0	0.0	470.0	19621	-66.3	0	0.0	462.5	19570	-63.7	19	.0	468.5	19571	-64.7	0	0.0	466.0	19460	60	
70	-65.6	14	.0	444.1	18676	-66.7	0	0.0	441.7	18634	-67.6	19	.0	439.8	18631	-71.6	0	0.0	431.3	18533	70	
80	-68.4	14	.0	421.7	17872	-70.6	0	0.0	417.1	17836	-73.6	19	.0	411.0	17839	-74.9	0	0.0	408.3	17755	80	
90	-75.2	14	.0	394.2	17176	-75.7	0	0.0	393.2	17142	-76.7	19	.0	391.2	17153	-77.0	16	.0	390.6	17073	90	
100	-77.1	14	.0	378.8	16572	-77.1	14	.0	378.8	16539	-79.7	19	.0	373.8	16554	-80.6	16	.0	372.0	16473	100	
110	-74.3	14	.0	373.8	16021	-75.9	14	.0	370.8	15991	-75.3	19	.0	371.9	16008	-76.9	16	.0	369.0	15930	110	
120	-74.3	14	.0	364.7	15513	-77.1	14	.0	359.5	15490	-75.6	19	.0	362.3	15503	-76.9	16	.0	359.9	15430	120	
130	-72.7	14	.0	359.4	15046	-73.9	14	.0	357.1	15027	-73.5	19	.0	357.9	15038	-75.1	16	.0	355.1	14969	130	
140	-69.8	14	.0	356.9	14608	-71.0	14	.0	354.8	14591	-70.7	19	.0	355.3	14601	-71.6	16	.0	353.7	14535	140	
150	-66.9	14	.0	354.9	14194	-67.4	14	.0	354.0	14179	-67.9	18	.0	353.1	14190	-68.4	16	.0	352.3	14125	150	
160	-63.9	13	.0	353.4	13802	-65.6	14	.0	350.7	13788	-65.2	18	.0	351.4	13799	-65.4	15	.0	351.0	13735	160	
170	-61.2	13	.0	351.9	13428	-62.7	14	.0	349.4	13417	-62.0	18	.0	350.5	13427	-62.5	15	.0	349.7	13363	170	
180	-58.6	12	.0	350.5	13071	-59.7	13	.0	348.7	13062	-59.1	18	.0	349.7	13071	-59.9	15	.0	348.4	13008	180	
190	-56.0	12	.0	349.3	12729	-56.8	13	.0	347.9	12722	-56.3	18	.0	348.8	12730	-57.3	15	.0	347.1	12669	190	
200	-52.9	12	.0	349.1	12400	-53.9	13	.0	347.4	12395	-53.5	18	.0	348.1	12402	-54.9	15	.0	345.9	12343	200	
225	-45.9	11	.0	348.4	11629	-46.5	12	.0	347.4	11626	-46.9	16	.0	346.9	11633	-47.8	14	.0	345.4	11578	225	
250	-40.2	11	.1	346.6	10918	-40.6	12	.1	345.9	10917	-41.1	16	.1	345.3	10926	-41.2	13	.1	345.1	10873	250	
275	-35.2	12	.1	344.6	10261	-35.6	11	.1	344.0	10261	-35.8	15	.1	343.8	10271	-35.2	13	.1	344.6	10217	275	
300	-31.6	14	.1	341.4	9649	-31.0	11	.1	342.1	9650	-31.0	15	.1	342.3	9660	-30.2	12	.1	343.4	9604	300	
325	-28.9	20	.2	337.7	9081	-28.3	15	.2	338.4	9078	-26.6	15	.2	340.8	9087	-27.0	13	.2	340.2	9030	325	
350	-25.1	23	.3	336.2	8546	-24.7	15	.2	336.4	8543	-25.4	36	.5	336.4	8550	-24.4	15	.2	336.8	8493	350	
375	-20.9	18	.4	335.3	8041	-20.7	14	.3	335.3	8037	-21.0	28	.5	335.9	8045	-22.4	20	.3	333.2	7990	375	
400	-17.0	14	.4	334.3	7560	-16.9	12	.3	334.2	7556	-16.8	20	.5	335.1	7564	-18.3	21	.5	333.0	7512	400	
425	-13.8	23	.7	333.9	7103	-13.7	14	.4	333.1	7098	-13.0	22	.7	335.0	7105	-14.5	19	.6	332.5	7056	425	
450	-10.8	30	1.1	333.7	6666	-10.6	17	.6	332.2	6661	-9.4	24	1.0	335.0	6667	-10.9	17	.6	331.9	6620	450	
475	-9.0	49	2.0	333.7	6249	-7.7	19	.8	331.4	6243	-7.3	37	1.7	334.9	6247	-8.7	18	.7	329.9	6202	475	
500	-5.5	22	1.1	330.3	5849	-5.5	37	1.9	332.8	5842	-5.3	49	2.5	335.2	5846	-6.8	53	2.4	333.0	5803	500	
525	-3.0	13	.8	327.6	5465	-3.1	35	2.0	331.7	5458	-3.2	50	2.9	334.2	5461	-5.1	43	2.2	329.6	5421	525	
550	-1.0	20	1.3	327.4	5095	-.5	22	1.4	328.5	5088	-.4	53	3.5	335.3	5091	-2.8	51	2.9	330.3	5054	550	
575	.8	37	2.6	329.6	4739	1.7	23	1.7	327.9	4731	1.9	34	2.6	331.1	4733	.0	35	2.3	327.8	4700	575	
600	2.8	64	5.0	335.4	4396	3.7	34	2.9	329.9	4387	3.8	44	3.6	332.4	4389	1.7	48	3.5	329.5	4357	600	
625	4.6	50	4.2	331.3	4064	5.6	46	4.2	332.3	4054	5.5	52	4.8	334.1	4056	3.4	50	3.9	328.9	4027	625	
650	6.2	53	4.8	331.4	3743	7.6	36	3.6	329.4	3732	7.2	55	5.4	334.2	3734	5.1	48	4.1	327.7	3708	650	
675	8.9	49	5.2	332.0	3432	9.6	40	4.4	330.6	3420	9.0	59	6.3	335.5	3422	6.8	58	5.3	329.8	3398	675	
700	11.1	50	6.0	333.5	3129	11.6	37	4.5	329.7	3117	10.6	44	5.0	330.2	3119	8.5	30	3.0	321.6	3099	700	
725	12.9	48	6.1	332.8	2835	13.4	24	3.1	324.3	2822	12.4	41	5.0	328.9	2826	10.5	19	2.1	317.9	2808	725	
750	14.6	26	3.5	323.8	2550	14.8	21	2.9	322.1	2537	14.0	38	5.1	327.9	2541	12.7	20	2.4	318.1	2525	750	
775	15.8	31	4.4	324.8	2272	15.6	32	4.7	325.3	2259	15.6	36	5.2	326.8	2263	14.5	24	3.2	319.5	2249	775	
800	17.7	27	4.3	323.8	2002	16.6	38	5.7	326.5	1989	17.2	34	5.2	325.7	1993	15.2	28	3.8	319.2	1980	800	
825	17.7	48	7.4	329.8	1739	17.2	48	7.1	328.3	1727	17.3	61	9.2	334.5	1730	16.1	51	7.1	327.0	1719	825	
850	17.5	74	11.1	336.9	1483	17.7	67	10.1	334.4	1472	17.6	84	12.6	341.4	1474	16.3	77	10.6	334.0	1465	850	
875	18.6	80	12.4	339.1	1234	19.1	70	11.2	336.6	1223	19.1	82	13.2	341.8	1225	17.8	89	13.2	340.1	1217	875	
900	20.1	82	13.5	341.2	991	20.5	73	12.5	338.9	979	20.5	80	13.6	342.1	981	19.3	95	15.0	344.2	974	900	
925	21.4	84	14.7	343.5	753	21.9	76	13.8	341.3	741	21.9	78	14.1	342.4	743	20.2	93	15.2	343.3	737	925	
950	22.8	86	16.0	345.9	520	23.2	79	15.1	344.0	508	23.2	76	14.6	342.6	510	21.2	92	15.5	342.5	506	950	
975	24.4	83	16.6	346.8	292	24.9	78	16.1	346.2	280	24.6	84	17.0	348.2	282	24.0	86	16.7	346.5	278	975	
1000	25.9	84	18.0	350.0	69	27.4	75	17.4	350.3	56	26.7	82	18.4	352.2	58	26.6	79	17.8	350.3	55	1000	
SFC.	26.1	92	19.8	354.4	0	28.3	93	22.9	366.2	0	27.2	82	18.8	353.3	0	27.3	78	18.0	351.2	0	SFC.	
				SURFACE PRESSURE	1007.8				SURFACE PRESSURE	1006.3				SURFACE PRESSURE	1006.6				SURFACE PRESSURE	1006.2		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

4/ 5 18 0 GMT					4/ 5 2325 GMT					4/ 6 6 7 GMT					4/ 6 1213 GMT					P		
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-61.5	0	0.0	473.3	19569	-63.6	0	0.0	468.7	19603	-67.3	0	0.0	460.3	19497	-64.8	0	0.0	465.9	19544	60	
70	-66.4	13	.0	442.4	18626	-64.5	0	0.0	446.4	18662	-68.9	18	.0	437.1	18570	-68.0	0	0.0	438.9	18611	70	
80	-73.3	13	.0	411.5	17829	-70.5	12	.0	417.3	17854	-73.4	18	.0	411.4	17783	-73.8	19	.0	410.6	17820	80	
90	-79.3	13	.0	386.1	17152	-78.5	13	.0	387.7	17169	-77.5	18	.0	389.7	17097	-78.8	19	.0	386.9	17141	90	
100	-80.5	12	.0	372.2	16555	-80.5	13	.0	372.2	16572	-82.5	18	.0	368.4	16503	-81.9	19	.0	369.5	16548	100	
110	-77.3	12	.0	368.3	16012	-80.2	13	.0	362.8	16030	-79.6	18	.0	364.0	15967	-78.3	19	.0	366.4	16009	110	
120	-77.6	13	.0	358.6	15516	-77.3	12	.0	359.3	15534	-80.2	18	.0	353.8	15476	-78.3	19	.0	357.3	15511	120	
130	-75.0	12	.0	355.2	15054	-74.4	12	.0	356.3	15072	-77.5	17	.0	350.7	15020	-75.3	19	.0	354.6	15052	130	
140	-71.4	12	.0	354.0	14620	-71.4	12	.0	354.0	14637	-74.2	17	.0	349.1	14592	-71.8	18	.0	353.3	14619	140	
150	-68.1	12	.0	352.8	14209	-68.7	12	.0	351.8	14227	-70.4	17	.0	348.8	14187	-68.5	17	.0	352.1	14208	150	
160	-65.0	12	.0	351.7	13819	-65.5	12	.0	350.8	13838	-66.9	16	.0	348.4	13800	-65.4	16	.0	350.9	13819	160	
170	-61.7	12	.0	351.0	13446	-61.9	12	.0	350.8	13466	-63.6	16	.0	347.9	13431	-62.5	16	.0	349.6	13447	170	
180	-58.7	12	.0	350.3	13090	-58.4	12	.0	350.7	13109	-60.4	16	.0	347.5	13078	-59.8	15	.0	348.4	13093	180	
190	-55.8	11	.0	349.6	12748	-55.2	11	.0	350.5	12767	-57.2	16	.0	347.2	12738	-56.8	15	.0	347.9	12753	190	
200	-53.1	11	.0	348.8	12419	-52.1	11	.0	350.3	12437	-54.2	15	.0	347.0	12412	-53.9	15	.0	347.5	12425	200	
225	-46.5	11	.0	347.5	11649	-45.2	11	.0	349.4	11663	-47.4	14	.0	346.1	11645	-47.2	15	.0	346.4	11658	225	
250	-40.4	11	.0	346.3	10940	-39.3	11	.1	347.9	10950	-41.2	14	.1	345.1	10939	-41.2	15	.1	345.1	10951	250	
275	-34.9	10	.1	345.0	10283	-33.9	11	.1	346.5	10290	-35.6	13	.1	344.0	10283	-35.7	15	.1	343.9	10296	275	
300	-29.9	10	.1	343.7	9669	-28.8	11	.1	345.4	9674	-30.5	13	.1	342.9	9672	-30.0	15	.2	343.8	9684	300	
325	-25.4	10	.1	342.3	9093	-24.1	10	.2	344.2	9095	-25.8	12	.2	341.8	9097	-25.0	15	.2	343.2	9107	325	
350	-21.5	10	.2	340.6	8552	-19.8	10	.2	343.1	8550	-21.5	12	.2	340.7	8556	-20.7	14	.3	342.1	8564	350	
375	-20.2	13	.3	335.9	8041	-17.2	11	.3	340.0	8034	-17.9	12	.3	339.1	8043	-16.8	14	.4	341.0	8050	375	
400	-16.5	12	.3	334.8	7560	-16.3	12	.3	335.1	7551	-16.4	13	.3	335.0	7559	-16.2	13	.4	335.3	7564	400	
425	-13.2	15	.5	334.0	7101	-12.2	11	.4	334.8	7092	-12.5	13	.4	334.7	7100	-13.4	15	.5	333.5	7105	425	
450	-9.9	13	.5	332.8	6663	-8.4	10	.5	334.5	6652	-8.8	13	.6	334.3	6661	-10.8	16	.6	331.9	6668	450	
475	-7.2	13	.6	331.4	6244	-6.0	20	1.0	334.3	6230	-5.8	18	1.0	334.3	6239	-7.2	85	4.0	342.5	6251	475	
500	-6.7	30	1.4	329.7	5844	-4.5	29	1.6	333.1	5827	-4.6	49	2.7	336.6	5836	-5.4	74	3.8	339.1	5849	500	
525	-3.9	37	2.0	330.6	5460	-2.9	33	1.9	331.5	5442	-3.3	68	3.9	337.3	5451	-3.9	77	4.2	337.5	5464	525	
550	-1.2	43	2.7	331.8	5091	-.9	32	2.1	330.2	5072	-1.5	57	3.6	334.2	5081	-1.9	63	3.8	334.4	5095	550	
575	1.4	23	1.7	327.6	4735	.7	42	3.0	330.7	4716	1.1	56	4.0	334.3	4725	1.2	66	4.8	336.8	4739	575	
600	2.9	38	3.0	329.4	4392	2.7	45	3.5	330.7	4373	2.8	59	4.5	334.0	4381	3.6	57	4.7	335.4	4395	600	
625	4.7	42	3.6	329.4	4060	5.1	40	3.5	329.6	4041	4.9	54	4.7	333.1	4049	5.7	42	3.9	331.6	4062	625	
650	6.9	40	3.9	329.3	3739	7.3	35	3.4	328.3	3719	7.3	41	4.0	330.1	3728	7.8	28	2.8	327.1	3740	650	
675	9.6	41	4.5	331.0	3427	9.1	36	3.8	328.2	3408	9.5	28	3.1	326.4	3416	9.7	20	2.2	323.9	3428	675	
700	11.1	43	5.2	331.2	3124	11.1	16	1.9	321.1	3105	11.6	19	2.3	322.9	3113	11.5	26	3.2	325.6	3125	700	
725	12.8	16	2.0	320.3	2830	12.3	15	1.8	319.0	2812	13.2	23	3.0	323.7	2820	13.2	32	4.2	327.6	2831	725	
750	14.6	16	2.2	319.7	2545	13.2	18	2.3	318.4	2528	14.8	27	3.8	324.7	2534	14.9	38	5.4	329.8	2545	750	
775	16.3	18	2.7	320.1	2268	13.7	28	3.6	319.9	2252	16.3	31	4.6	325.9	2256	15.7	43	6.2	329.9	2267	775	
800	17.8	32	5.0	325.9	1997	14.2	60	7.6	329.0	1985	17.4	34	5.4	326.4	1985	16.3	55	8.0	332.7	1997	800	
825	17.6	49	7.6	330.2	1734	15.1	86	11.3	337.6	1724	17.7	38	5.9	325.3	1722	16.7	74	10.9	338.4	1734	825	
850	17.5	72	10.7	336.0	1479	16.5	89	12.5	339.6	1469	17.4	78	11.6	338.4	1467	17.3	92	13.6	343.6	1479	850	
875	19.1	72	11.4	336.9	1230	18.7	82	12.9	340.5	1221	18.0	95	14.2	343.4	1218	19.1	97	15.6	348.7	1229	875	
900	20.9	70	12.3	338.8	986	20.6	78	13.3	341.4	977	20.0	83	13.6	341.4	975	20.4	96	16.4	349.4	985	900	
925	22.7	69	13.2	340.8	748	21.6	82	14.6	343.4	739	21.4	81	14.1	341.7	737	21.6	95	17.0	350.0	747	925	
950	24.0	74	14.9	344.3	514	22.6	87	15.9	345.4	506	22.4	85	15.4	343.9	505	22.8	95	17.7	350.5	514	950	
975	25.4	76	16.2	347.2	286	24.8	75	15.4	344.1	279	24.3	80	16.0	344.9	277	24.3	92	18.3	351.3	286	975	
1000	27.4	77	18.0	352.0	61	28.4	76	18.7	355.3	55	26.1	76	16.4	345.8	54	26.6	83	18.6	352.4	62	1000	
SFC.	27.8	84	20.0	357.3	0	30.0	84	22.8	368.4	0	26.5	75	16.5	346.0	0	27.2	81	18.6	352.6	0	SFC.	
				SURFACE PRESSURE	1006.9				SURFACE PRESSURE	1006.1				SURFACE PRESSURE	1006.1				SURFACE PRESSURE	1007.0		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

4/ 6 1514 GMT					4/ 6 18 4 GMT					4/ 6 2130 GMT					4/ 6 2325 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-65.2	0	0.0	465.0	19526	-67.9	0	0.0	458.9	19591	-65.1	0	0.0	465.2	19623	-68.5	0	0.0	457.6	19635	60	
70	-68.2	0	0.0	438.4	18597	-66.9	0	0.0	441.3	18662	-68.1	0	0.0	438.8	18690	-65.3	0	0.0	444.7	18704	70	
80	-71.0	0	0.0	416.3	17799	-71.3	17	.0	415.7	17860	-70.0	15	.0	418.3	17893	-68.3	14	.0	422.0	17898	80	
90	-76.8	20	.0	391.0	17111	-78.5	17	.0	387.5	17176	-77.9	15	.0	388.9	17209	-79.2	14	.0	386.2	17205	90	
100	-82.5	20	.0	368.4	16514	-79.9	17	.0	373.4	16579	-79.4	15	.0	374.3	16609	-80.3	15	.0	372.6	16609	100	
110	-78.8	20	.0	365.5	15976	-76.1	17	.0	370.5	16034	-76.1	16	.0	370.6	16063	-76.1	15	.0	370.5	16064	110	
120	-76.2	20	.0	361.2	15477	-76.6	17	.0	360.4	15532	-77.2	16	.0	359.4	15560	-75.1	15	.0	363.2	15560	120	
130	-75.4	20	.0	354.5	15015	-73.5	17	.0	357.9	15068	-73.7	16	.0	357.5	15097	-72.5	14	.0	359.6	15094	130	
140	-71.9	20	.0	353.1	14582	-70.6	17	.0	355.5	14632	-70.4	15	.0	355.7	14660	-69.5	14	.0	357.4	14655	140	
150	-68.7	20	.0	351.8	14173	-67.8	17	.0	353.3	14219	-67.4	15	.0	354.0	14248	-66.7	14	.0	355.2	14241	150	
160	-65.7	19	.0	350.5	13783	-65.1	17	.0	351.4	13829	-64.6	15	.0	352.2	13856	-64.1	15	.0	353.2	13848	160	
170	-62.8	19	.0	349.2	13412	-61.9	17	.0	350.7	13457	-62.1	15	.0	350.5	13484	-61.4	15	.0	351.6	13474	170	
180	-60.0	19	.0	348.2	13058	-58.9	17	.0	349.9	13101	-58.7	15	.0	350.2	13128	-58.3	15	.0	350.9	13117	180	
190	-57.3	19	.0	347.2	12718	-56.1	16	.0	349.1	12759	-55.5	15	.0	350.0	12786	-55.5	14	.0	350.1	12775	190	
200	-54.7	19	.0	346.3	12392	-53.4	16	.0	348.4	12431	-52.6	15	.0	349.5	12456	-52.8	14	.0	349.3	12446	200	
225	-48.1	18	.0	345.0	11627	-47.2	16	.0	346.4	11662	-46.2	15	.0	348.0	11685	-46.5	13	.0	347.4	11675	225	
250	-42.2	17	.1	343.7	10924	-40.8	15	.1	345.6	10956	-40.4	14	.1	346.4	10975	-40.8	13	.1	345.7	10967	250	
275	-36.1	16	.1	343.4	10271	-35.1	15	.1	344.9	10299	-35.1	14	.1	344.8	10318	-34.8	12	.1	345.2	10310	275	
300	-30.5	16	.2	343.1	9659	-29.8	14	.2	344.0	9686	-30.3	14	.1	343.3	9705	-29.4	12	.1	344.6	9696	300	
325	-25.3	15	.2	342.8	9084	-25.2	14	.2	342.9	9110	-24.8	13	.2	343.4	9130	-24.3	11	.2	343.9	9118	325	
350	-21.1	15	.3	341.5	8542	-21.0	14	.3	341.6	8567	-20.2	12	.3	342.6	8585	-19.7	11	.3	343.2	8573	350	
375	-17.4	14	.4	340.0	8029	-17.0	14	.4	340.6	8053	-17.2	12	.3	340.1	8071	-16.5	11	.3	341.1	8058	375	
400	-16.1	14	.4	335.6	7543	-15.6	14	.4	336.3	7567	-15.9	14	.4	335.8	7586	-15.9	14	.4	335.8	7572	400	
425	-12.9	16	.5	334.4	7084	-12.8	16	.5	334.7	7107	-12.0	13	.5	335.4	7126	-12.0	13	.5	335.4	7112	425	
450	-10.0	31	1.3	335.2	6645	-9.4	17	.7	334.1	6668	-8.4	13	.6	334.9	6686	-8.3	12	.6	334.9	6671	450	
475	-8.1	57	2.5	336.5	6227	-7.0	25	1.2	333.6	6248	-6.0	23	1.2	334.8	6264	-5.6	19	1.0	334.6	6250	475	
500	-7.3	96	4.3	338.2	5827	-8.4	76	3.1	333.1	5849	-5.8	30	1.5	331.2	5862	-4.3	31	1.7	333.9	5846	500	
525	-5.0	86	4.3	336.5	5445	-5.1	60	3.0	332.2	5468	-4.3	44	2.3	331.2	5479	-4.1	43	2.3	331.5	5462	525	
550	-2.7	72	4.1	334.3	5077	-2.3	51	3.0	331.2	5100	-1.5	36	2.3	330.0	5110	-1.2	36	2.3	330.4	5093	550	
575	-.5	62	4.0	332.4	4722	.1	54	3.6	332.0	4745	1.2	29	2.1	328.6	4754	1.6	28	2.1	329.0	4736	575	
600	1.5	67	4.8	333.1	4380	2.3	65	4.9	334.7	4403	3.5	32	2.6	328.9	4410	3.8	30	2.5	329.0	4392	600	
625	3.9	41	3.3	327.5	4050	4.6	49	4.1	331.1	4071	5.5	32	2.9	328.4	4077	6.0	34	3.1	329.6	4059	625	
650	6.2	20	1.8	321.9	3730	6.7	30	2.8	325.8	3750	7.5	18	1.7	323.4	3756	8.0	18	1.9	324.3	3737	650	
675	8.3	23	2.4	322.7	3420	9.0	22	2.3	323.4	3439	9.7	18	2.0	323.2	3444	9.8	23	2.5	324.9	3425	675	
700	10.4	27	3.0	323.8	3118	10.9	26	3.0	324.4	3137	11.7	19	2.3	323.3	3141	11.7	24	3.0	325.2	3122	700	
725	12.3	31	3.8	325.2	2825	12.8	30	3.8	325.7	2843	13.7	20	2.7	323.4	2847	13.8	21	2.9	324.0	2828	725	
750	13.3	45	5.7	328.8	2541	14.6	34	4.7	327.3	2558	15.6	21	3.1	323.7	2561	15.8	18	2.7	322.6	2541	750	
775	13.7	55	7.1	330.0	2264	13.9	54	7.0	330.2	2281	17.5	22	3.5	324.1	2282	16.5	27	4.1	324.6	2263	775	
800	14.1	63	8.0	330.1	1996	14.3	82	10.6	337.7	2013	16.8	35	5.2	325.3	2011	16.5	42	6.2	327.9	1992	800	
825	14.5	93	11.7	338.0	1736	16.2	82	11.5	339.5	1751	16.8	59	8.6	332.0	1749	17.2	51	7.7	330.0	1730	825	
850	16.4	91	12.7	340.0	1481	18.0	79	12.1	340.4	1496	18.2	60	9.2	332.6	1494	18.4	56	8.7	331.4	1475	850	
875	18.2	90	13.6	342.0	1233	19.1	80	12.9	341.1	1246	19.5	61	9.9	333.3	1244	19.5	60	9.8	333.1	1225	875	
900	20.0	88	14.6	344.0	990	20.4	82	13.9	342.5	1002	20.8	61	10.6	334.1	1001	20.7	64	11.0	334.8	982	900	
925	21.8	87	15.5	346.1	752	21.8	83	14.9	344.3	764	22.1	62	11.3	334.9	763	21.7	68	12.1	336.6	744	925	
950	23.5	85	16.5	348.2	518	23.2	84	16.0	346.4	531	23.9	65	12.9	338.8	530	23.1	70	13.2	338.6	511	950	
975	25.1	84	17.5	350.4	290	25.5	82	17.5	350.9	303	27.1	71	16.7	350.5	301	25.4	65	13.8	340.6	283	975	
1000	26.7	82	18.5	352.5	66	27.1	87	20.0	357.0	78	30.1	77	21.2	364.5	75	28.5	70	17.4	351.8	59	1000	
SFC.	27.2	82	18.8	353.2	0	27.0	95	21.6	360.4	0	31.1	79	22.8	369.7	0	29.8	76	20.3	361.1	0	SFC.	
				SURFACE PRESSURE	1007.4				SURFACE PRESSURE	1008.8				SURFACE PRESSURE	1008.3				SURFACE PRESSURE	1006.6		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

4/ 7 225 GMT						4/ 7 620 GMT						4/ 7 855 GMT						4/ 7 12 5 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-69.0	0	0.0	456.5	19584	-69.5	0	0.0	455.3	19620	-68.2	0	0.0	458.3	19546	-68.4	0	0.0	457.9	19504	60		
70	-66.9	15	.0	441.3	18658	-68.6	10	.0	437.7	18699	-70.4	0	0.0	433.7	18625	-69.3	0	0.0	436.1	18582	70		
80	-68.3	15	.0	421.9	17854	-71.0	11	.0	416.2	17976	-71.5	23	.0	415.3	17836	-71.3	19	.0	415.8	17788	80		
90	-77.1	15	.0	390.5	17159	-79.3	11	.0	385.9	17223	-80.8	23	.0	383.0	17154	-79.8	20	.0	385.0	17101	90		
100	-80.9	15	.0	371.4	16560	-80.0	11	.0	373.2	16626	-81.2	23	.0	370.9	16561	-81.8	20	.0	369.7	16509	100		
110	-78.2	15	.0	366.5	16020	-76.0	11	.0	370.6	16081	-78.0	23	.0	366.9	16021	-78.8	20	.0	365.4	15971	110		
120	-75.8	15	.0	361.9	15520	-74.1	10	.0	365.0	15575	-75.1	23	.0	363.3	15520	-76.1	19	.0	361.4	15472	120		
130	-73.5	15	.0	357.9	15055	-72.3	10	.0	360.1	15108	-72.4	24	.0	359.9	15052	-73.6	19	.0	357.7	15008	130		
140	-70.7	15	.0	355.4	14619	-69.4	10	.0	357.6	14669	-69.9	24	.0	356.7	14614	-70.8	19	.0	355.1	14571	140		
150	-68.0	15	.0	353.0	14207	-66.7	10	.0	355.2	14254	-67.6	24	.0	353.7	14201	-68.2	19	.0	352.6	14160	150		
160	-65.3	15	.0	351.0	13817	-64.2	10	.0	353.0	13862	-65.4	24	.0	350.9	13810	-65.3	19	.0	351.1	13770	160		
170	-62.2	15	.0	350.3	13445	-61.7	10	.0	351.1	13488	-62.3	24	.0	350.1	13439	-62.0	18	.0	350.6	13398	170		
180	-59.2	15	.0	349.5	13089	-58.7	10	.0	350.2	13132	-59.4	23	.0	349.2	13083	-58.9	18	.0	350.0	13042	180		
190	-56.3	15	.0	348.8	12748	-56.0	10	.0	349.3	12790	-56.6	23	.0	348.3	12743	-57.0	18	.0	347.7	12701	190		
200	-53.5	14	.0	348.1	12421	-53.3	10	.0	348.4	12462	-54.0	22	.0	347.4	12415	-54.8	18	.0	346.2	12375	200		
225	-47.2	14	.0	346.4	11652	-47.0	10	.0	346.6	11693	-47.6	21	.0	345.7	11649	-48.8	18	.0	343.9	11611	225		
250	-41.5	13	.1	344.6	10946	-41.3	10	.0	344.9	10987	-41.8	20	.1	344.3	10944	-42.4	17	.1	343.4	10909	250		
275	-35.8	12	.1	343.7	10292	-35.8	10	.1	343.7	10332	-36.4	19	.1	342.9	10290	-36.7	16	.1	342.4	10257	275		
300	-30.4	12	.1	343.1	9680	-30.3	10	.1	343.1	9720	-31.6	18	.2	341.6	9681	-31.9	16	.1	341.0	9649	300		
325	-25.4	11	.2	342.4	9105	-25.3	10	.1	342.4	9145	-27.1	17	.2	340.2	9109	-27.5	16	.2	339.6	9078	325		
350	-20.8	11	.2	341.7	8562	-20.7	10	.2	341.7	8602	-23.0	16	.3	338.9	8571	-23.4	16	.3	338.3	8540	350		
375	-16.5	10	.3	340.9	8048	-16.7	10	.3	340.7	8088	-19.1	16	.4	337.7	8061	-19.6	16	.3	337.1	8032	375		
400	-14.5	10	.3	337.4	7560	-13.8	10	.3	338.4	7600	-15.5	15	.4	336.5	7578	-16.0	16	.4	335.9	7549	400		
425	-12.3	11	.4	334.7	7100	-11.1	10	.4	336.2	7138	-13.1	18	.6	334.4	7117	-12.8	18	.6	334.7	7089	425		
450	-8.3	11	.5	334.8	6660	-7.4	10	.5	335.8	6696	-9.3	16	.7	334.1	6679	-9.9	19	.8	333.7	6651	450		
475	-5.5	13	.7	333.8	6238	-4.1	10	.6	335.2	6272	-6.1	15	.8	333.3	6258	-7.3	22	1.0	332.6	6232	475		
500	-3.2	18	1.1	333.0	5834	-2.1	10	.7	333.0	5866	-4.1	26	1.5	333.3	5855	-5.9	32	1.5	331.2	5831	500		
525	-3.5	40	2.2	331.8	5447	-1.0	18	1.2	331.6	5478	-3.3	50	2.8	333.9	5469	-4.9	66	3.3	333.6	5448	525		
550	-1.0	40	2.6	331.6	5078	.2	32	2.2	331.9	5106	-1.6	53	3.3	333.1	5100	-2.5	48	2.8	330.4	5080	550		
575	1.6	33	2.5	330.1	4721	2.8	20	1.6	328.8	4749	1.0	45	3.2	331.8	4744	.2	41	2.8	329.5	4726	575		
600	3.8	30	2.5	328.8	4377	4.9	18	1.6	327.4	4403	3.5	40	3.3	331.0	4400	2.8	34	2.7	328.3	4383	600		
625	5.7	28	2.6	327.6	4044	7.0	16	1.6	326.0	4069	6.0	40	3.7	331.5	4067	5.2	37	3.3	329.2	4051	625		
650	7.6	27	2.7	326.5	3722	9.0	14	1.6	324.6	3746	8.3	40	4.2	332.1	3745	7.4	32	3.2	327.7	3729	650		
675	9.4	25	2.8	325.3	3411	10.8	15	1.8	323.9	3433	9.7	28	3.2	326.8	3432	9.0	27	2.8	325.1	3417	675		
700	11.4	24	2.9	324.5	3108	12.4	17	2.2	323.6	3129	10.9	46	5.4	331.5	3130	10.4	45	5.0	329.9	3115	700		
725	13.4	22	3.0	323.8	2814	14.1	19	2.6	323.4	2834	12.6	39	4.9	328.8	2836	11.8	53	6.4	332.2	2822	725		
750	15.2	21	3.1	323.1	2528	15.5	19	2.8	322.7	2548	14.5	23	3.1	322.4	2551	13.2	49	6.2	330.2	2538	750		
775	17.0	21	3.3	322.7	2250	16.2	15	2.2	318.5	2270	15.4	30	4.2	323.7	2273	14.0	48	6.2	328.0	2261	775		
800	16.6	43	6.4	328.4	1980	16.9	10	1.6	314.4	2000	15.8	50	7.1	329.5	2004	14.1	78	9.9	335.4	1993	800		
825	16.8	57	8.3	331.1	1717	16.5	99	14.3	347.9	1738	16.1	77	10.8	337.3	1742	15.2	89	11.8	339.1	1732	825		
850	17.0	69	10.0	333.3	1462	18.0	99	15.2	349.1	1481	17.0	81	11.8	338.3	1487	16.6	89	12.6	340.2	1477	850		
875	18.8	71	11.1	335.8	1214	19.4	98	16.1	350.4	1231	17.9	86	12.8	339.4	1238	18.0	90	13.5	341.3	1229	875		
900	20.6	72	12.3	338.5	970	20.7	98	17.0	351.7	987	18.8	90	13.9	340.5	996	19.3	91	14.4	342.6	986	900		
925	22.4	73	13.6	341.4	732	22.2	97	17.9	353.1	748	19.7	95	14.9	341.7	759	20.6	91	15.3	343.8	749	925		
950	24.1	74	14.9	344.5	499	23.6	95	18.8	354.6	514	21.1	94	15.7	343.0	528	21.9	92	16.2	345.2	516	950		
975	26.2	68	15.1	345.1	270	25.1	92	19.4	355.5	286	23.4	85	16.0	343.9	301	23.8	85	16.4	345.7	289	975		
1000	28.7	74	18.8	356.0	45	27.2	78	17.9	351.5	61	25.5	77	16.0	344.2	78	25.7	79	16.6	345.8	66	1000		
SFC.	29.4	81	21.3	363.2	0	27.7	74	17.5	350.2	0	26.3	74	16.0	344.2	0	26.2	77	16.6	345.8	0	SFC.		
				SURFACE PRESSURE	1005.0				SURFACE PRESSURE	1006.9				SURFACE PRESSURE	1008.9				SURFACE PRESSURE	1007.5			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

4/ 7 18 4 GMT					4/ 7 2325 GMT					4/ 8 6 4 GMT					4/ 8 1315 GMT					P.		
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P.	
60	-67.9	0	0.0	458.9	19522	-69.3	0	0.0	455.8	19633	-67.2	0	0.0	460.5	19521	-65.2	0	0.0	465.1	19574	60	
70	-69.1	0	0.0	436.7	18598	-70.7	0	0.0	433.1	18713	-69.4	0	0.0	435.9	18601	-69.3	0	0.0	436.1	18645	70	
80	-70.0	0	0.0	418.3	17802	-71.4	17	.0	415.5	17924	-72.9	20	.0	412.4	17815	-73.4	21	.0	411.5	17856	80	
90	-80.3	23	.0	384.0	17112	-80.4	17	.0	383.9	17237	-82.5	21	.0	379.6	17137	-82.0	21	.0	400.6	17167	90	
100	-81.1	21	.0	371.1	16518	-79.7	17	.0	373.8	16643	-82.7	21	.0	368.0	16549	-79.3	22	.0	374.5	16557	100	
110	-78.3	21	.0	366.3	15979	-77.4	17	.0	368.1	16100	-79.2	20	.0	364.6	16012	-79.9	21	.0	363.4	16019	110	
120	-75.8	20	.0	362.0	15479	-74.8	17	.0	363.9	15598	-76.1	20	.0	361.4	15514	-76.7	21	.0	360.3	15523	120	
130	-73.1	20	.0	358.6	15013	-71.6	17	.0	361.3	15129	-73.2	19	.0	358.5	15049	-73.4	21	.0	358.0	15059	130	
140	-70.5	21	.0	355.7	14576	-68.6	17	.0	358.9	14689	-70.0	19	.0	356.5	14612	-70.4	20	.0	355.9	14622	140	
150	-67.6	21	.0	353.6	14164	-65.7	17	.0	357.0	14273	-66.9	19	.0	354.9	14198	-67.6	20	.0	353.8	14209	150	
160	-64.7	21	.0	352.2	13773	-62.1	17	.0	356.6	13877	-64.1	20	.0	353.2	13805	-64.9	20	.0	351.8	13818	160	
170	-61.9	21	.0	350.8	13400	-58.7	16	.0	356.1	13499	-61.4	20	.0	351.6	13432	-62.0	20	.0	350.6	13446	170	
180	-59.2	20	.0	349.4	13044	-55.5	16	.0	355.5	13138	-58.8	20	.0	350.1	13075	-58.9	19	.0	350.0	13090	180	
190	-56.8	20	.0	348.1	12703	-52.8	16	.0	354.4	12791	-56.2	20	.0	349.0	12734	-56.0	18	.0	349.3	12748	190	
200	-54.4	20	.0	346.7	12377	-50.7	16	.0	352.6	12458	-53.4	19	.0	348.3	12406	-53.2	18	.0	348.7	12420	200	
225	-48.2	20	.0	344.9	11612	-45.9	15	.0	348.4	11683	-47.1	18	.0	346.6	11637	-46.8	17	.0	346.9	11650	225	
250	-42.2	19	.1	343.6	10909	-39.9	14	.1	347.1	10973	-41.3	17	.1	344.9	10930	-41.1	16	.1	345.2	10943	250	
275	-36.9	18	.1	342.3	10256	-34.5	14	.1	345.6	10314	-36.2	16	.1	343.3	10276	-36.0	14	.1	343.5	10288	275	
300	-32.0	18	.2	341.0	9648	-30.1	14	.1	343.6	9701	-31.4	15	.1	341.7	9666	-31.0	13	.1	342.3	9678	300	
325	-27.5	17	.2	339.7	9077	-24.7	13	.2	343.6	9124	-27.1	14	.2	340.1	9094	-26.0	11	.2	341.6	9104	325	
350	-23.3	17	.3	338.5	8540	-20.2	13	.3	342.7	8580	-23.1	13	.2	338.6	8556	-21.3	10	.2	340.8	8563	350	
375	-19.2	16	.4	337.6	8031	-16.8	13	.4	340.8	8065	-19.0	13	.3	337.6	8047	-17.7	10	.3	339.1	8050	375	
400	-16.5	18	.5	335.4	7548	-14.0	13	.4	338.4	7578	-14.7	12	.4	337.3	7562	-15.7	12	.3	335.9	7565	400	
425	-12.5	18	.6	335.3	7088	-10.8	14	.5	337.2	7115	-11.5	14	.5	336.1	7101	-13.2	19	.6	334.3	7105	425	
450	-10.1	18	.7	333.2	6650	-8.0	18	.8	336.3	6673	-8.6	16	.7	335.1	6660	-10.4	24	.9	333.5	6668	450	
475	-7.7	18	.8	331.4	6231	-7.1	39	1.9	335.8	6253	-8.2	44	1.9	334.5	6240	-8.1	51	2.2	335.5	6250	475	
500	-6.9	29	1.3	329.3	5832	-4.0	17	1.0	331.8	5850	-6.3	60	2.9	335.1	5840	-7.5	78	3.4	335.3	5850	500	
525	-6.4	44	2.0	327.5	5451	-3.7	32	1.8	330.2	5465	-4.6	56	2.9	332.7	5457	-4.7	60	3.1	333.0	5468	525	
550	-3.3	39	2.1	327.3	5085	-1.1	24	1.5	328.1	5096	-1.7	21	1.3	326.6	5089	-1.3	46	2.9	332.3	5099	550	
575	-.6	36	2.3	327.0	4731	1.7	22	1.6	327.6	4740	1.1	20	1.4	326.3	4733	1.7	31	2.3	329.8	4743	575	
600	2.0	35	2.6	327.1	4389	4.5	23	2.0	328.4	4395	3.8	19	1.6	326.0	4390	4.1	21	1.8	327.0	4398	600	
625	4.5	35	2.9	327.2	4058	7.3	25	2.5	329.2	4061	6.3	19	1.8	325.8	4057	6.4	29	2.8	329.1	4065	625	
650	6.9	32	3.1	326.8	3738	8.8	23	2.5	327.4	3737	8.7	18	2.0	325.6	3734	8.6	36	3.9	331.4	3742	650	
675	8.7	32	3.3	326.2	3426	10.0	21	2.4	324.7	3425	10.6	22	2.6	326.1	3421	10.2	34	4.0	329.9	3429	675	
700	9.6	47	5.0	329.0	3125	11.1	21	2.5	322.9	3122	12.4	25	3.2	326.8	3117	11.6	40	4.9	330.8	3125	700	
725	12.0	40	4.9	328.0	2832	12.3	33	4.0	325.7	2829	14.1	28	3.9	327.7	2822	12.8	50	6.4	333.6	2831	725	
750	14.1	27	3.7	323.6	2547	13.4	44	5.6	328.6	2544	15.6	35	5.2	329.9	2535	14.1	52	7.1	333.7	2545	750	
775	15.3	28	4.0	322.8	2270	14.4	67	8.9	336.3	2267	14.5	78	10.5	340.8	2257	12.7	78	9.3	335.2	2269	775	
800	15.5	44	6.1	326.2	2001	15.7	72	10.2	338.2	1998	15.4	96	13.3	346.5	1988	16.5	90	13.4	348.5	1999	800	
825	14.6	71	9.1	330.6	1740	16.9	74	10.9	338.8	1735	16.7	95	13.9	346.9	1725	17.8	93	14.6	350.2	1735	825	
850	17.2	67	9.7	332.8	1486	18.1	76	11.7	339.5	1479	17.9	95	14.6	347.4	1469	19.0	96	15.8	351.9	1478	850	
875	18.3	66	10.0	332.1	1238	19.3	77	12.5	340.3	1230	19.2	95	15.3	347.8	1219	20.2	98	17.0	353.8	1227	875	
900	19.4	74	11.8	335.6	995	20.4	79	13.3	341.1	986	20.4	94	16.0	348.3	975	21.7	98	18.0	355.6	982	900	
925	20.6	81	13.6	339.2	758	21.8	84	15.2	345.0	748	21.4	93	16.3	347.8	737	23.2	96	19.0	357.4	742	925	
950	21.9	86	15.2	342.4	526	24.0	80	16.0	347.4	515	21.6	89	15.5	343.0	504	24.7	94	19.9	359.2	507	950	
975	24.4	78	15.5	343.8	299	26.1	76	16.8	349.6	286	21.9	86	14.7	338.4	278	26.2	93	20.9	361.1	277	975	
1000	26.9	77	17.4	349.7	75	28.3	81	20.0	358.7	61	22.1	82	13.9	334.1	57	27.7	91	21.8	362.9	52	1000	
SFC.	27.8	82	19.5	355.7	0	28.9	88	22.4	365.6	0	22.2	81	13.7	333.0	0	28.0	91	22.0	363.3	0	SFC.	
				SURFACE PRESSURE	1008.5				SURFACE PRESSURE	1006.8				SURFACE PRESSURE	1006.6				SURFACE PRESSURE	1005.8		

A-112

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

4/ 8 1725 GMT						4/ 8 20 0 GMT				4/ 8 2315 GMT				4/ 9 130 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P					
60	-67.1	0	0.0	460.6	19550	-65.1	0	0.0	465.2	19622	-64.6	17	.0	466.4	19570	-64.8	0	0.0	465.9	19579	60
70	-70.0	0	0.0	434.7	18626	-71.6	0	0.0	431.2	18699	-71.8	17	.0	430.9	18648	-72.6	0	0.0	429.1	18660	70
80	-72.7	21	.0	412.8	17836	-74.2	18	.0	409.7	17913	-72.6	18	.0	413.0	17862	-75.6	0	0.0	406.8	17881	80
90	-73.0	21	.0	398.6	17147	-72.3	18	.0	400.0	17227	-74.6	18	.0	395.4	17177	-75.0	19	.0	394.5	17201	90
100	-77.7	21	.0	377.6	16536	-76.8	18	.0	379.4	16613	-73.6	18	.0	385.6	16562	-77.3	19	.0	378.4	16589	100
110	-79.4	21	.0	364.2	15996	-76.8	18	.0	369.2	16065	-80.2	18	.0	362.8	16018	-79.0	19	.0	365.0	16047	110
120	-77.4	21	.0	359.0	15499	-75.2	18	.0	362.9	15564	-77.5	17	.0	358.9	15523	-76.2	19	.0	361.3	15548	120
130	-73.9	21	.0	357.2	15036	-71.6	18	.0	361.3	15096	-73.3	17	.0	358.3	15060	-72.8	19	.0	359.1	15083	130
140	-70.6	21	.0	355.5	14600	-68.2	18	.0	359.7	14654	-70.0	17	.0	356.4	14622	-69.3	19	.0	357.8	14644	140
150	-67.6	21	.0	353.8	14188	-65.8	18	.0	356.8	14238	-67.0	17	.0	354.6	14209	-66.0	19	.0	356.5	14229	150
160	-64.7	21	.0	352.1	13797	-63.5	17	.0	354.1	13844	-64.2	17	.0	352.9	13817	-62.9	19	.0	355.2	13835	160
170	-62.0	21	.0	350.5	13424	-61.4	17	.0	351.5	13470	-61.6	17	.0	351.2	13444	-59.9	19	.0	354.0	13459	170
180	-59.4	21	.0	349.2	13069	-58.5	17	.0	350.6	13113	-59.1	17	.0	349.6	13087	-57.2	19	.0	352.8	13100	180
190	-56.3	20	.0	348.8	12728	-55.6	16	.0	349.9	12771	-56.5	17	.0	348.5	12747	-55.7	19	.0	349.7	12757	190
200	-53.4	20	.0	348.3	12400	-52.8	16	.0	349.2	12442	-53.6	17	.0	348.1	12419	-53.4	18	.0	348.3	12429	200
225	-46.8	18	.0	347.0	11630	-46.3	15	.0	347.7	11671	-46.9	16	.0	346.9	11650	-46.8	17	.0	347.0	11660	225
250	-40.9	17	.1	345.7	10923	-40.4	14	.1	346.3	10962	-41.5	17	.1	344.6	10943	-40.7	17	.1	345.9	10952	250
275	-35.5	16	.1	344.3	10267	-35.1	14	.1	344.8	10305	-36.2	16	.1	343.2	10290	-35.2	16	.1	344.7	10295	275
300	-30.6	15	.2	342.9	9655	-30.2	14	.1	343.4	9692	-30.8	16	.2	342.6	9679	-30.1	15	.2	343.6	9682	300
325	-26.4	15	.2	341.1	9081	-25.7	13	.2	342.1	9117	-25.9	15	.2	341.9	9105	-25.1	15	.2	343.1	9107	325
350	-22.6	14	.2	339.3	8542	-21.9	16	.3	340.5	8576	-21.4	14	.3	341.0	8563	-20.3	14	.3	342.7	8563	350
375	-19.3	16	.4	337.5	8032	-18.9	23	.5	338.6	8065	-17.4	16	.4	340.1	8050	-17.9	36	.9	341.4	8048	375
400	-16.2	18	.5	335.8	7549	-16.1	29	.8	337.0	7582	-15.4	35	1.0	338.7	7565	-15.3	58	1.7	341.3	7564	400
425	-12.8	14	.5	334.4	7090	-13.1	41	1.3	337.0	7122	-13.2	37	1.2	336.4	7105	-12.6	45	1.6	338.4	7103	425
450	-11.4	48	1.7	334.9	6652	-9.7	21	.8	334.2	6684	-10.9	36	1.3	334.3	6668	-10.2	26	1.0	334.1	6665	450
475	-9.0	66	2.7	336.0	6235	-8.6	46	1.9	334.1	6266	-7.9	32	1.4	333.2	6250	-6.9	20	1.0	333.0	6246	475
500	-6.8	46	2.1	332.0	5836	-5.5	39	2.0	333.1	5866	-5.0	27	1.4	332.0	5849	-4.0	20	1.2	332.3	5843	500
525	-4.7	40	2.1	329.8	5454	-2.7	32	1.9	331.8	5481	-2.2	23	1.4	330.7	5464	-1.7	21	1.3	331.2	5457	525
550	-1.8	32	1.9	328.6	5086	.1	25	1.7	330.2	5110	.4	19	1.3	329.3	5093	.5	22	1.6	330.2	5085	550
575	1.6	24	1.8	327.9	4730	2.7	19	1.5	328.3	4752	1.9	18	1.3	327.0	4735	1.5	24	1.7	327.8	4727	575
600	3.3	25	2.0	326.8	4386	3.1	23	1.8	325.9	4408	2.6	19	1.5	324.1	4391	2.8	23	1.8	325.4	4384	600
625	5.1	29	2.5	326.8	4054	5.6	23	2.1	325.8	4075	5.5	19	1.7	324.5	4060	5.6	22	2.0	325.6	4052	625
650	8.3	23	2.4	326.5	3732	8.0	22	2.3	325.7	3753	8.2	19	2.0	325.0	3738	8.4	24	2.5	326.9	3730	650
675	9.8	25	2.8	326.0	3420	10.2	22	2.6	325.6	3441	10.2	19	2.2	324.3	3425	9.3	21	2.3	323.6	3418	675
700	11.4	27	3.2	325.6	3117	12.3	23	2.9	325.7	3138	12.1	18	2.3	323.7	3122	11.9	19	2.4	323.6	3115	700
725	12.8	29	3.7	325.4	2823	14.0	25	3.4	325.9	2843	14.0	18	2.5	323.1	2827	14.3	18	2.5	323.5	2821	725
750	13.8	34	4.5	325.7	2538	15.6	27	3.9	326.2	2556	15.8	19	2.8	322.8	2541	16.7	17	2.6	323.3	2534	750
775	12.4	50	5.8	324.9	2262	17.0	33	5.2	328.6	2277	17.1	36	5.6	329.8	2262	18.1	25	4.2	326.8	2254	775
800	13.6	74	9.1	332.6	1995	14.6	59	7.7	329.7	2009	16.5	48	7.2	330.6	1991	19.0	40	6.9	332.7	1982	800
825	15.8	94	13.0	343.2	1733	16.0	84	11.7	339.9	1747	15.9	71	9.9	334.6	1729	19.1	57	9.7	337.9	1717	825
850	17.8	91	13.8	344.9	1478	17.7	80	12.1	340.2	1492	17.6	69	10.4	335.3	1474	18.6	73	11.6	339.8	1460	850
875	19.0	90	14.5	345.4	1228	19.4	76	12.5	340.3	1243	19.5	65	10.6	335.2	1225	20.1	67	11.3	337.9	1210	875
900	20.1	91	15.2	345.8	984	20.0	79	13.1	340.0	999	21.4	60	10.7	334.9	981	21.2	68	12.1	338.7	966	900
925	21.2	92	15.9	346.2	746	21.0	83	14.2	341.3	762	22.4	61	11.3	335.3	743	22.2	75	13.8	341.7	728	925
950	22.4	91	16.5	346.7	514	23.2	85	16.3	347.1	529	22.9	69	12.9	337.6	510	23.4	82	15.8	346.2	495	950
975	24.2	85	16.8	347.1	286	25.3	88	18.6	353.4	300	26.1	70	15.5	346.1	282	25.4	90	19.2	355.3	266	975
1000	26.0	87	18.7	351.9	63	27.3	90	21.1	360.3	76	29.2	71	18.4	355.6	56	27.7	89	21.2	361.1	41	1000
SFC.	26.4	95	20.9	357.8	0	28.0	91	22.0	362.8	0	30.0	71	19.2	358.2	0	28.3	82	20.2	358.7	0	SFC.
				SURFACE PRESSURE	1007.1				SURFACE PRESSURE	1008.5				SURFACE PRESSURE	1006.3				SURFACE PRESSURE	1004.6	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

THERMODYNAMIC DATA						THERMODYNAMIC DATA						THERMODYNAMIC DATA											
4/ 9 5 8 GMT						4/ 9 12 4 GMT						4/ 9 1734 GMT						4/ 9 2332 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-66.5	0	0.0	462.1	19560	-68.9	0	0.0	456.8	19483	-68.6	15	.0	457.4	19530	-66.9	0	0.0	461.1	19616	60		
70	-71.5	34	.0	431.5	18644	-72.6	20	.0	429.2	18571	-71.5	15	.0	431.4	18616	-72.6	0	0.0	429.0	18700	70		
80	-75.7	33	.0	406.7	17863	-76.7	20	.0	404.6	17787	-75.1	15	.0	408.0	17829	-76.3	13	.0	405.4	17923	80		
90	-76.2	34	.0	392.3	17182	-77.4	20	.0	389.9	17115	-75.3	16	.0	393.9	17150	-75.5	13	.0	393.7	17242	90		
100	-80.3	34	.0	372.6	16577	-82.6	20	.0	368.2	16517	-77.8	16	.0	377.4	16540	-74.7	13	.0	383.4	16631	100		
110	-77.7	34	.0	367.6	16035	-80.5	20	.0	362.2	15983	-79.3	16	.0	364.4	16001	-77.0	13	.0	368.8	16083	110		
120	-75.3	34	.0	362.9	15534	-77.8	20	.0	358.3	15488	-76.1	16	.0	361.4	15503	-75.0	14	.0	363.5	15581	120		
130	-73.0	34	.0	358.7	15068	-74.8	20	.0	355.5	15027	-73.1	15	.0	358.6	15038	-72.7	13	.0	359.3	15114	130		
140	-70.3	34	.0	355.9	14631	-71.0	20	.0	354.7	14593	-70.3	15	.0	355.9	14601	-69.6	13	.0	357.2	14675	140		
150	-66.8	34	.0	355.0	14217	-67.5	20	.0	353.8	14181	-67.8	15	.0	353.4	14188	-66.8	13	.0	355.1	14261	150		
160	-63.6	33	.0	354.1	13824	-64.3	20	.0	352.9	13789	-64.9	15	.0	351.7	13798	-62.2	13	.0	356.3	13867	160		
170	-60.6	33	.0	353.0	13450	-61.2	19	.0	351.9	13416	-62.0	15	.0	350.6	13425	-59.2	13	.0	355.2	13490	170		
180	-57.9	33	.0	351.6	13092	-58.3	19	.0	351.0	13058	-59.2	15	.0	349.5	13070	-56.8	13	.0	353.5	13130	180		
190	-55.4	32	.0	350.3	12749	-55.5	19	.0	350.1	12716	-56.5	15	.0	348.4	12729	-54.4	12	.0	351.8	12785	190		
200	-53.0	32	.0	349.0	12420	-52.9	19	.0	349.1	12387	-54.0	15	.0	347.4	12401	-52.2	12	.0	350.2	12455	200		
225	-47.5	33	.1	346.1	11651	-48.2	23	.0	344.9	11619	-48.2	15	.0	344.8	11635	-46.5	12	.0	347.4	11684	225		
250	-42.1	32	.1	344.0	10947	-43.1	23	.1	342.4	10918	-42.0	16	.1	343.9	10932	-39.8	11	.1	347.1	10974	250		
275	-35.9	28	.2	344.0	10294	-37.0	18	.1	342.0	10267	-36.2	17	.1	343.3	10279	-33.8	11	.1	346.6	10314	275		
300	-30.2	25	.3	343.9	9682	-31.4	15	.1	341.7	9658	-31.6	15	.1	341.4	9671	-28.3	10	.1	346.1	9697	300		
325	-24.9	22	.3	343.7	9106	-26.2	13	.2	341.4	9086	-25.9	11	.2	341.6	9097	-23.4	10	.2	345.2	9117	325		
350	-21.6	47	.9	343.1	8562	-22.0	21	.4	340.7	8544	-21.6	13	.3	340.7	8556	-19.6	10	.2	343.3	8571	350		
375	-19.1	93	2.1	343.9	8052	-19.2	59	1.3	340.9	8035	-18.6	17	.4	338.5	8045	-16.5	15	.4	341.5	8056	375		
400	-15.3	90	2.6	344.3	7568	-15.8	69	1.9	341.3	7551	-15.6	35	1.0	338.4	7561	-13.7	22	.7	340.0	7568	400		
425	-12.3	89	3.1	344.0	7107	-12.1	67	2.4	341.7	7090	-12.8	45	1.5	338.0	7101	-11.3	33	1.2	339.0	7105	425		
450	-9.7	74	3.0	341.4	6667	-10.9	86	3.2	340.3	6651	-10.0	36	1.4	335.8	6662	-9.6	47	1.9	337.9	6665	450		
475	-6.9	22	1.1	333.3	6247	-8.6	27	1.1	331.3	6234	-7.7	49	2.2	336.0	6243	-6.1	42	2.1	337.8	6245	475		
500	-3.8	25	1.4	333.4	5845	-5.7	14	.7	328.6	5834	-5.1	33	1.8	333.0	5842	-3.7	42	2.4	337.0	5841	500		
525	-.8	27	1.8	333.8	5457	-3.2	15	.9	327.7	5450	-2.7	25	1.5	330.4	5457	-3.0	21	1.2	329.1	5455	525		
550	.3	29	2.1	331.6	5085	-.9	17	1.1	326.9	5081	-.4	20	1.4	328.3	5087	-2.2	31	1.8	327.7	5087	550		
575	1.2	32	2.3	329.2	4728	1.3	18	1.3	326.3	4724	1.7	16	1.2	326.1	4730	.4	29	1.9	327.0	4732	575		
600	2.8	34	2.6	328.2	4385	3.5	20	1.6	325.7	4381	2.7	19	1.4	324.3	4386	2.8	26	2.0	326.3	4389	600		
625	4.4	34	2.9	326.9	4053	5.5	21	1.9	325.4	4048	4.8	23	2.0	324.7	4055	5.2	24	2.1	325.5	4057	625		
650	5.9	32	2.9	325.0	3733	7.5	23	2.3	325.1	3727	6.9	27	2.6	325.5	3734	7.5	22	2.2	324.7	3736	650		
675	8.6	30	3.1	325.3	3423	9.4	24	2.6	324.9	3415	9.0	32	3.3	326.6	3423	9.6	20	2.2	323.7	3424	675		
700	11.2	27	3.2	325.4	3121	11.0	22	2.6	323.2	3112	11.1	30	3.5	326.1	3121	11.5	18	2.2	322.5	3121	700		
725	13.7	25	3.4	325.5	2827	12.4	16	2.0	319.6	2819	13.2	25	3.2	324.5	2827	13.0	17	2.2	321.1	2828	725		
750	16.2	23	3.5	325.3	2540	13.7	38	5.0	327.2	2535	15.3	20	2.9	322.6	2541	14.6	16	2.2	319.6	2542	750		
775	18.5	20	3.5	325.1	2260	14.9	60	8.3	335.1	2257	17.2	15	2.4	320.4	2263	16.1	15	2.2	318.2	2265	775		
800	19.4	36	6.4	331.9	1988	15.5	52	7.2	329.5	1988	18.0	16	2.5	318.5	1992	16.7	18	2.7	317.6	1995	800		
825	19.7	61	10.7	341.6	1723	14.8	91	11.7	338.3	1727	16.2	46	6.5	325.3	1729	15.9	29	4.0	317.9	1734	825		
850	19.5	81	13.8	347.0	1465	17.3	98	14.5	346.1	1472	17.3	60	8.8	330.2	1475	16.9	44	6.2	322.5	1480	850		
875	19.5	91	15.0	347.5	1214	18.8	96	15.1	346.9	1222	18.5	71	11.0	335.0	1226	18.1	58	8.7	328.3	1232	875		
900	20.3	75	12.5	338.7	971	20.2	94	15.8	347.7	979	19.8	82	13.3	340.2	983	19.8	61	9.8	330.7	990	900		
925	21.6	41	7.2	322.9	733	21.7	92	16.5	348.5	740	21.3	79	13.7	340.4	746	21.7	57	10.2	331.3	753	925		
950	23.3	27	5.0	316.0	502	23.0	90	17.1	349.2	507	23.0	79	14.8	342.8	513	23.6	54	10.5	331.7	520	950		
975	25.7	50	10.7	332.3	274	24.7	87	17.6	350.0	279	24.9	84	17.4	349.7	285	25.4	51	10.7	331.9	292	975		
1000	28.0	73	17.6	351.8	50	26.9	78	17.7	350.7	55	26.6	77	17.2	348.7	61	28.3	64	15.8	347.1	69	1000		
SFC.	28.5	78	19.4	356.6	0	27.5	76	17.7	350.8	0	27.1	75	17.1	348.3	0	29.9	77	20.7	362.1	0	SFC.		
				SURFACE PRESSURE	1005.6				SURFACE PRESSURE	1006.2				SURFACE PRESSURE	1006.9				SURFACE PRESSURE	1007.7			

A-114



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

4/10 614 GMT					4/10 1135 GMT					4/10 1745 GMT					4/10 1956 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-69.0	24	.0	456.6	19544	-69.9	0	0.0	454.5	19515	-62.2	0	0.0	471.7	19516	-59.5	0	0.0	477.7	19618	60	
70	-70.5	25	.0	433.7	18626	-73.6	0	0.0	426.9	18609	-74.6	0	0.0	424.9	18594	-71.6	0	0.0	431.3	18687	70	
80	-75.8	25	.0	406.4	17838	-75.3	25	.0	407.4	17825	-74.4	17	.0	409.3	17817	-73.6	16	.0	411.0	17905	80	
90	-78.5	25	.0	387.6	17167	-79.6	25	.0	385.4	17157	-78.6	17	.0	387.3	17134	-80.0	17	.0	384.6	17223	90	
100	-76.4	25	.0	380.2	16563	-77.1	25	.0	378.8	16556	-77.7	17	.0	377.6	16535	-77.0	17	.0	379.0	16623	100	
110	-79.4	25	.0	364.3	16016	-79.6	25	.0	363.8	16011	-79.5	18	.0	364.0	15992	-79.5	18	.0	364.1	16081	110	
120	-77.0	25	.0	359.8	15520	-77.1	25	.0	359.6	15515	-76.5	18	.0	360.7	15495	-77.0	18	.0	359.8	15585	120	
130	-73.9	24	.0	357.1	15057	-73.8	25	.0	357.3	15052	-73.2	17	.0	358.5	15030	-73.8	18	.0	357.4	15121	130	
140	-71.1	24	.0	354.5	14621	-70.7	25	.0	355.3	14616	-70.1	17	.0	356.3	14593	-70.8	17	.0	355.0	14685	140	
150	-68.5	24	.0	352.2	14211	-67.5	24	.0	353.9	14204	-69.6	17	.0	350.2	14182	-68.1	17	.0	352.8	14274	150	
160	-65.2	23	.0	351.3	13821	-64.5	24	.0	352.4	13812	-66.2	17	.0	349.6	13794	-65.1	17	.0	351.5	13883	160	
170	-62.1	23	.0	350.4	13449	-61.7	23	.0	351.0	13439	-63.0	17	.0	348.9	13424	-61.7	16	.0	351.0	13511	170	
180	-59.2	22	.0	349.5	13093	-59.0	23	.0	349.8	13083	-59.9	16	.0	348.2	13070	-58.6	16	.0	350.4	13154	180	
190	-56.4	22	.0	348.6	12752	-56.1	22	.0	349.1	12742	-57.1	16	.0	347.5	12730	-55.7	16	.0	349.8	12812	190	
200	-53.8	21	.0	347.7	12424	-53.4	21	.0	348.3	12414	-54.4	16	.0	346.8	12403	-52.8	15	.0	349.2	12484	200	
225	-47.7	20	.0	345.6	11657	-47.3	20	.0	346.3	11645	-47.5	15	.0	345.9	11637	-46.2	15	.0	347.9	11712	225	
250	-41.1	19	.1	345.4	10951	-42.1	19	.1	343.7	10940	-41.2	15	.1	345.1	10931	-40.0	14	.1	347.0	11002	250	
275	-35.1	18	.1	345.0	10295	-35.8	18	.1	343.8	10287	-35.5	14	.1	344.2	10275	-34.3	14	.1	345.9	10344	275	
300	-29.6	17	.2	344.5	9681	-30.2	18	.2	343.7	9674	-30.3	14	.1	343.3	9663	-29.2	13	.2	344.9	9729	300	
325	-25.6	17	.3	342.5	9105	-26.2	18	.2	341.6	9100	-25.5	13	.2	342.4	9088	-24.5	13	.2	343.8	9151	325	
350	-23.1	35	.6	339.9	8565	-23.0	29	.5	339.6	8560	-22.9	14	.2	338.9	8547	-20.8	14	.3	341.9	8607	350	
375	-19.4	64	1.4	341.0	8056	-19.9	71	1.5	340.6	8052	-19.2	24	.5	338.2	8038	-17.2	17	.4	340.6	8094	375	
400	-15.6	74	2.1	342.2	7572	-15.7	70	2.0	341.6	7569	-15.8	34	.9	338.0	7554	-13.9	20	.7	339.4	7607	400	
425	-12.8	95	3.2	343.5	7112	-13.3	74	2.4	340.1	7110	-12.8	50	1.7	338.5	7094	-10.7	23	.9	338.5	7144	425	
450	-9.6	84	3.5	342.9	6673	-10.0	80	3.2	341.6	6671	-11.1	56	2.0	336.4	6657	-9.0	38	1.6	337.6	6702	450	
475	-7.2	66	3.1	339.6	6253	-7.4	93	4.3	343.2	6251	-8.6	75	3.2	338.0	6240	-7.3	48	2.2	336.7	6283	475	
500	-4.7	54	2.9	337.2	5851	-5.0	51	2.6	335.9	5849	-5.9	18	.9	329.1	5840	-4.2	25	1.4	333.0	5880	500	
525	-2.7	20	1.2	329.4	5465	-3.0	18	1.1	328.6	5465	-3.1	28	1.6	330.4	5456	-1.8	18	1.1	330.3	5494	525	
550	-.9	23	1.5	328.2	5095	-.8	20	1.3	327.6	5095	-.7	18	1.2	327.4	5086	.1	18	1.3	328.7	5123	550	
575	1.0	33	2.4	329.1	4739	1.2	21	1.5	326.7	4739	.6	26	1.8	326.9	4730	2.0	18	1.4	327.1	4766	575	
600	3.2	33	2.6	328.6	4396	2.8	35	2.8	328.4	4396	2.7	27	2.1	326.4	4387	4.0	19	1.6	326.3	4421	600	
625	4.7	33	2.8	327.2	4064	5.0	33	2.9	327.8	4064	4.8	28	2.4	325.9	4055	6.1	22	2.0	326.3	4088	625	
650	6.4	35	3.3	326.8	3743	7.2	31	3.1	327.1	3742	6.9	28	2.6	325.5	3734	8.1	24	2.5	326.5	3766	650	
675	9.2	28	3.0	325.9	3432	9.2	29	3.2	326.4	3431	8.8	28	2.9	325.2	3423	10.2	23	2.6	325.8	3453	675	
700	11.5	24	2.9	324.7	3130	11.2	28	3.3	325.6	3128	10.7	28	3.2	324.9	3121	12.3	21	2.7	325.1	3150	700	
725	13.4	21	2.8	323.4	2836	13.1	26	3.4	324.7	2835	12.5	28	3.6	324.7	2828	14.3	20	2.8	324.4	2855	725	
750	15.4	18	2.7	322.1	2550	14.8	25	3.5	323.9	2549	14.3	29	3.9	324.6	2543	16.2	19	2.9	323.6	2568	750	
775	16.4	30	4.6	326.0	2271	16.2	27	3.9	323.8	2271	16.0	29	4.2	324.5	2265	17.3	22	3.4	323.6	2289	775	
800	17.4	37	5.7	327.4	2001	17.2	31	4.8	324.3	2001	17.3	32	4.9	324.9	1995	17.4	30	4.7	324.6	2018	800	
825	19.3	23	3.9	321.4	1738	18.1	35	5.6	325.0	1738	17.6	40	6.2	326.2	1732	17.5	39	5.9	325.2	1756	825	
850	19.7	36	6.0	325.3	1481	18.1	45	6.9	325.9	1482	17.6	52	7.8	327.8	1477	17.6	47	7.0	325.6	1500	850	
875	18.6	77	12.0	338.0	1231	18.3	77	11.7	336.9	1234	17.2	67	9.5	329.5	1229	18.1	63	9.4	330.1	1252	875	
900	19.6	84	13.5	340.4	988	19.4	83	13.2	339.4	991	18.2	71	10.5	330.5	987	20.0	62	10.3	332.1	1010	900	
925	20.5	90	15.0	343.0	751	20.5	89	14.7	342.1	754	19.2	75	11.4	331.5	752	21.9	62	11.2	334.2	772	925	
950	22.2	88	15.8	344.7	519	21.9	83	14.6	340.9	522	20.2	78	12.4	332.7	521	22.9	69	12.9	337.4	540	950	
975	24.4	80	15.9	345.0	291	23.3	77	14.4	339.4	295	22.1	74	12.7	333.5	296	25.1	64	13.2	338.4	312	975	
1000	26.0	82	17.5	348.7	68	24.5	82	16.2	343.3	73	24.2	67	12.9	333.9	74	27.2	58	13.4	339.0	88	1000	
SFC.	26.1	88	18.9	352.0	0	24.9	88	17.6	346.7	0	24.9	65	12.9	334.0	0	28.1	56	13.4	339.2	0	SFC.	
				SURFACE PRESSURE	1007.7				SURFACE PRESSURE	1008.3				SURFACE PRESSURE	1008.5				SURFACE PRESSURE	1010.0		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

4/10 23 5 GMT						4/11 2 7 GMT					4/11 512 GMT					4/11 1137 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-61.4	0	0.0	473.4	19573	-65.0	0	0.0	465.4	19563	-67.7	0	0.0	459.4	19475	-68.4	0	0.0	457.9	19480	60	
70	-72.7	17	.0	428.9	18649	-70.8	0	0.0	432.9	18636	-72.5	0	0.0	429.2	18556	-74.7	0	0.0	424.5	18569	70	
80	-74.2	19	.0	409.8	17868	-73.0	0	0.0	412.2	17849	-76.7	23	.0	404.5	17785	-77.0	0	0.0	404.0	17799	80	
90	-79.6	20	.0	385.4	17188	-77.6	0	0.0	389.3	17167	-77.2	24	.0	390.2	17108	-77.3	13	.0	390.0	17123	90	
100	-77.5	17	.0	378.0	16587	-79.1	18	.0	374.9	16566	-77.6	24	.0	377.8	16504	-77.5	12	.0	378.0	16519	100	
110	-80.2	17	.0	362.8	16048	-80.7	18	.0	361.8	16029	-80.5	24	.0	362.2	15962	-79.3	12	.0	364.4	15975	110	
120	-76.8	17	.0	360.0	15553	-77.7	17	.0	358.4	15536	-79.9	24	.0	354.4	15473	-79.3	12	.0	355.6	15483	120	
130	-73.1	17	.0	358.7	15088	-73.7	17	.0	357.5	15073	-76.2	23	.0	353.1	15016	-75.4	14	.0	354.5	15024	130	
140	-69.6	17	.0	357.3	14650	-71.2	17	.0	354.3	14637	-72.7	23	.0	351.8	14584	-71.8	15	.0	353.3	14591	140	
150	-67.7	17	.0	353.5	14236	-68.7	17	.0	351.8	14227	-69.5	22	.0	350.5	14176	-68.5	17	.0	352.2	14180	150	
160	-65.3	17	.0	351.1	13846	-65.4	17	.0	351.0	13837	-66.4	22	.0	349.2	13788	-65.3	16	.0	351.2	13791	160	
170	-62.2	16	.0	350.2	13474	-62.2	17	.0	350.2	13466	-63.6	22	.0	347.9	13419	-62.2	14	.0	350.2	13419	170	
180	-59.3	16	.0	349.3	13119	-59.2	17	.0	349.4	13110	-60.9	21	.0	346.6	13066	-59.3	13	.0	349.2	13063	180	
190	-56.2	16	.0	348.9	12778	-56.2	17	.0	348.9	12769	-58.2	21	.0	345.8	12728	-56.6	12	.0	348.2	12723	190	
200	-53.2	15	.0	348.6	12450	-53.2	16	.0	348.6	12441	-55.2	21	.0	345.5	12402	-54.0	11	.0	347.3	12395	200	
225	-46.5	15	.0	347.5	11679	-46.4	16	.0	347.6	11670	-48.3	20	.0	344.7	11639	-47.3	10	.0	346.2	11628	225	
250	-40.4	14	.1	346.3	10971	-40.4	15	.1	346.4	10962	-42.1	19	.1	343.8	10935	-41.1	10	.0	345.2	10922	250	
275	-34.9	14	.1	345.0	10313	-34.9	15	.1	345.1	10304	-36.5	18	.1	342.8	10282	-35.4	10	.1	344.2	10266	275	
300	-29.9	13	.1	343.8	9700	-30.2	14	.1	343.5	9691	-31.4	18	.2	341.8	9673	-30.3	10	.1	343.1	9654	300	
325	-25.5	13	.2	342.4	9124	-25.8	13	.2	341.9	9116	-26.8	17	.2	340.7	9101	-25.6	10	.1	342.0	9079	325	
350	-22.6	13	.2	339.2	8583	-21.8	16	.3	340.6	8575	-22.5	19	.3	339.7	8561	-22.6	10	.2	339.0	8538	350	
375	-18.4	19	.5	339.1	8073	-18.1	24	.6	339.9	8063	-19.3	35	.8	338.9	8052	-20.5	34	.7	337.1	8030	375	
400	-15.1	33	1.0	339.0	7587	-14.9	32	1.0	339.2	7578	-17.4	83	2.0	339.5	7570	-16.4	44	1.2	337.9	7548	400	
425	-12.4	32	1.1	337.2	7127	-12.2	34	1.2	337.7	7117	-13.6	46	1.4	336.7	7112	-13.9	51	1.6	336.8	7090	425	
450	-9.8	46	1.9	337.5	6688	-8.5	35	1.6	338.2	6677	-10.4	50	1.9	337.0	6674	-10.9	27	1.0	333.2	6653	450	
475	-6.9	45	2.2	336.9	6268	-6.1	38	1.9	337.1	6255	-7.8	64	2.9	338.1	6256	-7.3	17	.8	331.8	6235	475	
500	-4.3	40	2.2	335.5	5865	-3.9	40	2.3	336.3	5852	-4.8	63	3.4	338.5	5854	-4.5	30	1.7	333.3	5833	500	
525	-1.9	30	1.9	332.8	5479	-1.7	27	1.7	332.5	5465	-2.0	38	2.4	334.3	5468	-2.9	42	2.5	333.3	5447	525	
550	.4	29	2.0	331.6	5107	.8	26	1.9	331.7	5093	.7	23	1.7	330.7	5096	-2.0	59	3.5	333.4	5077	550	
575	2.5	27	2.2	330.4	4750	2.3	17	1.4	327.5	4735	2.7	20	1.7	329.0	4738	-.2	29	1.9	326.3	4723	575	
600	4.6	26	2.3	329.2	4404	3.6	19	1.6	325.7	4391	4.3	23	2.0	327.8	4393	2.4	14	1.1	322.6	4381	600	
625	6.6	25	2.4	328.1	4070	6.4	22	2.1	326.8	4058	5.8	25	2.3	326.8	4060	4.4	22	1.9	323.8	4050	625	
650	8.5	23	2.5	327.0	3747	8.1	25	2.6	326.7	3735	7.3	27	2.6	325.9	3738	6.1	15	1.3	320.5	3730	650	
675	10.4	22	2.6	325.8	3435	9.7	28	3.1	326.6	3423	8.9	35	3.7	327.5	3426	7.7	16	1.5	319.5	3420	675	
700	12.1	21	2.7	324.7	3131	11.6	25	3.1	325.5	3120	10.8	41	4.8	329.7	3124	9.9	27	2.9	323.0	3119	700	
725	13.9	20	2.7	323.6	2837	13.8	19	2.6	323.4	2826	12.8	32	4.1	326.6	2831	11.8	17	2.0	318.9	2827	725	
750	15.5	19	2.8	322.5	2551	15.3	22	3.2	323.5	2540	14.7	23	3.3	323.1	2545	13.5	12	1.6	316.5	2543	750	
775	16.9	18	2.8	321.2	2272	16.8	24	3.7	323.9	2261	16.4	30	4.5	325.7	2267	15.1	13	1.8	316.0	2266	775	
800	17.6	19	3.0	319.5	2002	18.3	26	4.3	324.3	1991	17.8	36	5.8	328.1	1996	16.6	14	2.0	315.5	1997	800	
825	16.8	43	6.2	325.2	1739	17.8	31	4.8	322.4	1727	17.3	43	6.5	326.6	1733	12.9	99	11.3	334.9	1736	825	
850	16.6	60	8.4	328.4	1485	17.1	60	8.7	329.9	1472	15.9	73	9.8	331.4	1479	14.4	98	12.1	335.9	1484	850	
875	17.3	67	9.5	329.6	1237	17.9	68	10.1	331.9	1224	17.4	78	11.2	334.3	1232	16.4	93	12.6	336.8	1237	875	
900	18.5	71	10.6	331.1	996	19.3	70	10.9	333.0	982	18.9	80	12.3	336.3	990	18.7	84	12.7	337.3	995	900	
925	20.5	69	11.4	333.2	759	20.6	71	11.8	334.2	745	20.4	80	13.2	337.9	753	20.5	78	12.8	337.0	759	925	
950	22.4	68	12.3	335.3	528	23.2	69	13.2	338.7	513	21.8	81	14.1	339.6	521	21.6	75	12.9	336.0	527	950	
975	24.3	67	13.2	337.5	300	26.0	67	14.8	344.1	285	23.7	75	14.4	339.9	294	23.8	70	13.5	337.6	300	975	
1000	26.4	66	14.5	341.1	77	28.8	65	16.5	349.8	60	25.8	70	14.9	341.4	71	25.8	68	14.4	340.2	78	1000	
SFC.	30.1	66	17.9	354.3	0	29.5	65	17.0	351.4	0	26.2	79	17.0	346.9	0	26.2	86	18.6	351.0	0	SFC.	
				SURFACE PRESSURE	1008.7				SURFACE PRESSURE	1006.7				SURFACE PRESSURE	1008.1				SURFACE PRESSURE	1008.8		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

4/11 1738 GMT						4/11 2010 GMT						4/11 2238 GMT						4/12 150 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-61.6	0	0.0	473.0	19492	-61.2	0	0.0	473.9	19451	-63.7	0	0.0	468.4	19506	-64.7	0	0.0	466.1	19580	60		
70	-71.7	0	0.0	430.9	18560	-71.7	0	0.0	431.0	18517	-71.0	0	0.0	432.5	18581	-71.2	0	0.0	432.2	18655	70		
80	-76.1	0	0.0	405.9	17784	-76.8	15	.0	404.4	17735	-75.1	16	.0	407.8	17798	-75.3	19	.0	407.4	17873	80		
90	-77.1	0	0.0	390.4	17106	-79.7	14	.0	385.2	17060	-78.0	16	.0	388.6	17122	-76.6	19	.0	391.4	17195	90		
100	-78.0	20	.0	377.1	16503	-78.2	14	.0	376.7	16463	-76.2	17	.0	380.5	16517	-75.4	19	.0	382.1	16587	100		
110	-79.4	20	.0	364.4	15960	-78.4	14	.0	366.2	15920	-76.7	17	.0	369.3	15967	-74.5	19	.0	373.5	16033	110		
120	-80.6	20	.0	353.1	15468	-78.5	15	.0	357.0	15423	-77.7	18	.0	358.5	15468	-75.6	19	.0	362.3	15529	120		
130	-77.1	20	.0	351.5	15012	-77.4	15	.0	350.8	14967	-76.7	16	.0	352.1	15009	-74.2	19	.0	356.6	15065	130		
140	-73.4	20	.0	350.5	14583	-73.6	15	.0	350.1	14538	-73.4	16	.0	350.6	14579	-71.4	19	.0	354.0	14630	140		
150	-69.7	19	.0	350.0	14176	-70.1	15	.0	349.3	14131	-69.7	16	.0	350.1	14172	-68.0	19	.0	353.0	14219	150		
160	-66.2	19	.0	349.5	13788	-66.8	15	.0	348.5	13744	-66.2	16	.0	349.5	13784	-64.8	19	.0	352.0	13828	160		
170	-63.0	18	.0	348.9	13418	-63.7	15	.0	347.7	13375	-63.0	16	.0	348.9	13414	-61.7	18	.0	351.0	13456	170		
180	-59.9	18	.0	348.4	13063	-60.7	14	.0	346.9	13022	-59.9	16	.0	348.3	13059	-58.9	18	.0	350.0	13099	180		
190	-56.9	18	.0	347.8	12723	-58.0	14	.0	346.1	12684	-57.0	16	.0	347.6	12720	-56.2	18	.0	348.9	12758	190		
200	-54.0	17	.0	347.3	12396	-55.3	14	.0	345.3	12359	-54.3	16	.0	346.9	12393	-53.6	18	.0	348.0	12430	200		
225	-47.5	16	.0	345.8	11629	-49.2	13	.0	343.2	11597	-48.0	16	.0	345.1	11627	-47.5	17	.0	346.0	11662	225		
250	-42.8	16	.1	342.8	10926	-43.6	13	.0	341.4	10897	-42.0	16	.1	344.0	10923	-41.8	17	.1	344.2	10957	250		
275	-36.3	15	.1	343.1	10274	-37.5	12	.1	341.2	10248	-36.4	15	.1	343.0	10270	-35.9	16	.1	343.7	10303	275		
300	-30.6	14	.1	342.8	9662	-31.9	12	.1	340.9	9640	-31.2	15	.1	341.9	9660	-30.5	15	.2	343.1	9692	300		
325	-26.7	14	.2	340.7	9089	-27.5	12	.1	339.5	9069	-26.5	14	.2	340.9	9088	-25.5	14	.2	342.5	9117	325		
350	-23.1	15	.2	338.7	8550	-24.5	13	.2	336.5	8532	-23.0	14	.2	338.8	8548	-21.2	15	.3	341.4	8575	350		
375	-19.7	15	.3	336.8	8042	-21.0	13	.2	334.8	8027	-19.8	15	.3	336.6	8040	-17.6	16	.4	339.9	8062	375		
400	-16.5	15	.4	335.1	7560	-17.4	13	.3	333.6	7547	-15.9	16	.4	336.0	7557	-14.8	16	.5	337.6	7576	400		
425	-13.1	18	.6	334.5	7100	-13.7	12	.4	332.8	7089	-12.7	14	.5	334.5	7097	-11.7	15	.6	336.1	7114	425		
450	-10.4	24	.9	333.6	6663	-11.3	13	.5	330.8	6652	-10.0	14	.6	332.8	6659	-8.8	16	.7	334.8	6674	450		
475	-7.9	30	1.3	332.9	6244	-8.4	17	.7	330.2	6236	-7.7	17	.7	331.2	6240	-6.1	17	.9	333.7	6253	475		
500	-5.5	35	1.8	332.6	5843	-6.6	38	1.8	331.1	5836	-5.6	19	1.0	329.7	5840	-3.8	24	1.4	333.3	5850	500		
525	-3.2	41	2.3	332.5	5459	-4.2	41	2.2	330.9	5453	-3.5	21	1.2	328.4	5456	-2.1	38	2.3	333.9	5463	525		
550	-1.1	46	2.9	332.6	5089	-1.9	44	2.7	330.9	5084	-1.9	29	1.7	327.7	5087	-.5	24	1.6	329.2	5092	550		
575	.7	28	1.9	327.4	4733	.3	17	1.2	324.4	4729	-.3	34	2.2	326.9	4732	.7	47	3.3	331.6	4736	575		
600	1.8	44	3.2	328.6	4390	1.8	21	1.5	323.4	4387	1.5	43	3.1	328.0	4391	2.7	39	3.0	329.3	4393	600		
625	3.7	52	4.2	330.1	4060	3.5	38	3.0	326.2	4057	3.8	40	3.2	327.1	4060	5.2	35	3.1	328.5	4062	625		
650	5.8	59	5.2	331.9	3740	5.7	28	2.5	323.6	3738	5.9	36	3.2	326.2	3741	7.6	30	3.0	327.6	3740	650		
675	7.7	65	6.4	334.1	3429	7.6	23	2.3	321.6	3428	8.0	33	3.3	325.2	3430	9.5	32	3.5	327.8	3428	675		
700	9.6	71	7.6	336.6	3127	9.2	28	2.9	321.9	3128	10.0	30	3.2	324.0	3129	11.0	40	4.7	329.5	3125	700		
725	11.4	77	9.0	339.4	2834	11.2	25	2.8	321.0	2836	11.9	26	3.2	322.8	2837	12.6	35	4.5	327.5	2832	725		
750	13.1	83	10.6	342.6	2549	13.6	18	2.4	319.1	2552	13.8	23	3.1	321.4	2552	14.2	31	4.2	325.3	2546	750		
775	14.8	88	12.2	346.0	2271	15.1	17	2.3	317.5	2276	15.6	20	2.9	319.9	2276	15.7	27	3.9	323.1	2269	775		
800	16.4	94	13.9	349.9	2000	16.1	17	2.5	316.3	2007	17.3	17	2.7	318.4	2006	17.2	23	3.5	320.7	1999	800		
825	15.7	79	10.8	337.1	1737	16.2	28	3.9	317.8	1745	17.6	26	4.0	319.7	1743	14.2	75	9.3	330.9	1739	825		
850	15.2	71	9.1	328.7	1484	15.6	63	8.2	326.5	1492	17.8	43	6.5	324.4	1488	16.8	85	12.2	339.1	1485	850		
875	16.3	80	10.8	331.8	1237	16.3	70	9.4	327.9	1245	17.9	60	8.9	328.5	1240	18.8	80	12.6	340.0	1236	875		
900	17.4	89	12.5	335.1	996	17.4	73	10.1	328.6	1005	18.7	68	10.4	330.9	998	20.6	77	13.2	340.9	993	900		
925	19.3	84	13.0	335.9	760	18.8	72	10.7	329.0	770	20.6	65	10.7	331.3	762	21.6	81	14.3	342.3	755	925		
950	21.2	78	13.2	336.2	529	20.0	78	12.1	331.8	540	22.3	61	11.0	331.5	530	22.7	84	15.6	344.7	522	950		
975	23.1	72	13.3	336.3	303	22.5	73	13.0	334.9	314	24.1	57	11.2	331.6	303	25.4	85	18.1	352.3	294	975		
1000	24.9	69	13.7	337.2	81	26.3	64	14.0	339.5	92	25.8	56	11.7	332.7	81	28.0	86	20.8	360.7	69	1000		
SFC.	26.1	83	17.8	348.7	0	27.8	65	15.3	344.1	0	26.8	71	15.8	344.2	0	28.8	86	21.8	363.5	0	SFC.		
				SURFACE PRESSURE	1009.2				SURFACE PRESSURE	1010.4				SURFACE PRESSURE	1009.2				SURFACE PRESSURE	1007.7			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

4/12 5 4 GMT						4/13 0 8 GMT					4/13 6 0 GMT					4/13 1240 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-65.5	0	0.0	464.3	19515	-64.7	0	0.0	466.2	19586	-65.0	0	0.0	465.4	19475	-63.0	0	0.0	469.9	19523	60	
70	-70.6	0	0.0	433.4	18582	-72.2	0	0.0	430.0	18663	-74.3	0	0.0	425.4	18556	-69.5	18	.0	435.8	18595	70	
80	-77.0	24	.0	403.9	17803	-76.1	20	.0	405.8	17846	-77.8	21	.0	402.2	17787	-78.1	19	.0	401.7	17820	80	
90	-80.3	23	.0	384.0	17132	-78.0	19	.0	388.6	17209	-80.5	21	.0	383.7	17118	-81.8	19	.0	381.1	17154	90	
100	-78.2	22	.0	376.7	16534	-76.4	18	.0	380.1	16608	-80.0	21	.0	373.2	16523	-80.0	18	.0	373.2	16563	100	
110	-75.8	22	.0	371.0	15987	-76.2	18	.0	370.2	16058	-77.1	21	.0	368.7	15979	-77.0	18	.0	368.7	16018	110	
120	-74.9	22	.0	363.6	15481	-73.5	18	.0	366.1	15554	-74.4	22	.0	364.5	15476	-74.6	19	.0	364.2	15516	120	
130	-75.3	22	.0	354.6	15019	-73.7	20	.0	357.5	15086	-75.0	22	.0	355.2	15012	-74.0	18	.0	357.0	15048	130	
140	-72.4	22	.0	352.4	14587	-71.2	20	.0	354.5	14651	-72.3	21	.0	352.4	14579	-71.1	18	.0	354.6	14612	140	
150	-69.1	22	.0	351.1	14178	-67.9	19	.0	353.1	14240	-69.2	21	.0	350.9	14170	-68.3	18	.0	352.4	14201	150	
160	-65.9	22	.0	350.1	13789	-64.9	19	.0	351.7	13849	-66.3	21	.0	349.5	13782	-65.5	18	.0	350.7	13811	160	
170	-62.9	22	.0	349.1	13418	-62.1	19	.0	350.3	13477	-63.5	20	.0	348.0	13412	-62.7	18	.0	349.4	13440	170	
180	-60.0	22	.0	348.1	13064	-59.5	18	.0	349.0	13121	-60.9	20	.0	346.6	13059	-60.0	18	.0	348.1	13086	180	
190	-57.4	22	.0	347.0	12724	-56.7	18	.0	348.1	12781	-58.5	20	.0	345.2	12721	-57.5	18	.0	346.9	12746	190	
200	-55.6	22	.0	344.8	12399	-53.6	18	.0	348.0	12454	-56.1	20	.0	344.1	12397	-54.7	17	.0	346.3	12420	200	
225	-48.7	20	.0	344.0	11637	-46.5	17	.0	347.4	11684	-48.7	19	.0	344.1	11635	-47.7	15	.0	345.6	11655	225	
250	-42.5	18	.1	343.1	10935	-40.1	16	.1	346.7	10975	-42.0	18	.1	343.9	10932	-41.9	14	.1	344.1	10950	250	
275	-36.7	17	.1	342.4	10283	-35.2	16	.1	344.7	10317	-36.0	17	.1	343.5	10279	-36.6	13	.1	342.6	10297	275	
300	-31.5	16	.1	341.7	9674	-30.8	16	.2	342.7	9706	-32.9	17	.1	339.6	9670	-31.5	13	.1	341.5	9688	300	
325	-26.6	15	.2	340.8	9102	-25.5	16	.2	342.5	9132	-27.6	16	.2	339.4	9101	-26.0	11	.2	341.6	9115	325	
350	-22.1	14	.3	340.0	8562	-21.0	15	.3	341.7	8589	-22.7	15	.3	339.2	8563	-21.5	11	.2	340.7	8573	350	
375	-17.8	14	.4	339.5	8049	-16.9	15	.4	340.8	8075	-18.2	15	.4	339.0	8052	-17.6	12	.3	339.5	8061	375	
400	-15.0	15	.4	337.2	7564	-13.1	14	.5	339.9	7587	-13.9	14	.5	338.7	7566	-16.1	16	.4	335.8	7576	400	
425	-12.1	14	.5	335.4	7103	-11.2	15	.6	336.8	7124	-13.4	22	.7	334.4	7105	-13.5	25	.8	334.6	7117	425	
450	-9.4	14	.6	333.6	6663	-9.2	16	.7	334.2	6684	-10.2	21	.8	333.4	6667	-10.0	21	.8	333.7	6679	450	
475	-7.2	12	.6	331.2	6244	-6.9	18	.8	332.5	6263	-7.9	24	1.1	332.0	6248	-6.8	17	.8	332.6	6260	475	
500	-5.5	28	1.4	331.3	5843	-5.7	23	1.1	330.1	5862	-6.5	31	1.5	330.3	5848	-3.9	15	.9	331.4	5857	500	
525	-3.6	53	3.0	334.1	5459	-3.3	25	1.4	329.5	5478	-4.4	44	2.3	331.1	5466	-2.0	20	1.2	330.4	5471	525	
550	-1.7	33	2.0	329.0	5090	-.5	27	1.8	329.7	5109	-1.4	49	3.1	332.7	5097	-.2	24	1.6	329.6	5100	550	
575	-.3	59	3.8	331.9	4735	2.1	29	2.2	330.1	4751	2.2	41	3.2	333.1	4740	1.9	39	3.0	332.2	4743	575	
600	1.6	55	4.0	330.8	4393	4.7	30	2.7	330.5	4406	4.7	42	3.8	334.0	4395	4.9	20	1.8	328.1	4398	600	
625	3.8	46	3.7	328.7	4062	7.0	31	3.1	330.7	4072	5.9	38	3.6	330.9	4061	6.1	33	3.1	329.6	4064	625	
650	6.3	50	4.6	330.8	3742	9.3	31	3.5	331.0	3748	7.2	39	3.8	329.5	3739	7.0	49	4.8	332.2	3742	650	
675	8.9	34	3.6	327.3	3431	10.4	32	3.8	329.6	3435	8.5	46	4.7	330.2	3428	8.7	51	5.3	332.2	3431	675	
700	10.2	53	5.9	332.3	3129	11.4	34	4.0	328.1	3131	9.9	50	5.5	330.7	3126	10.1	69	7.7	337.3	3128	700	
725	12.0	41	5.0	328.2	2836	12.3	35	4.3	326.7	2838	11.3	53	6.1	330.8	2833	11.1	68	7.8	335.5	2835	725	
750	13.6	31	4.0	324.1	2551	13.2	36	4.6	325.3	2553	12.5	54	6.5	330.2	2549	12.4	50	6.1	328.8	2551	750	
775	15.5	22	3.1	320.5	2274	14.0	39	5.1	324.7	2277	14.2	49	6.4	328.8	2273	14.7	45	6.0	328.2	2275	775	
800	16.4	52	7.6	331.7	2005	14.4	59	7.6	329.3	2009	16.1	44	6.4	327.9	2004	16.9	40	6.1	327.9	2005	800	
825	14.5	95	12.0	338.9	1743	15.7	65	8.8	331.3	1748	17.3	50	7.5	329.5	1741	18.6	40	6.5	328.1	1742	825	
850	16.3	91	12.6	339.8	1489	17.4	63	9.3	331.8	1493	17.8	62	9.5	332.9	1486	18.3	61	9.5	333.6	1486	850	
875	18.0	88	13.2	340.7	1241	19.0	61	9.7	332.2	1244	18.4	75	11.5	336.2	1237	18.0	87	13.0	340.0	1237	875	
900	19.7	93	15.2	345.2	997	20.7	59	10.2	332.6	1001	19.4	72	11.4	334.4	994	19.5	89	14.2	342.3	994	900	
925	20.7	94	15.8	345.4	760	22.3	58	10.7	333.4	763	20.5	82	13.7	339.4	757	20.9	91	15.5	344.7	757	925	
950	22.0	92	16.4	346.0	528	24.3	58	11.7	336.0	530	21.8	94	16.5	346.1	525	22.4	92	16.7	347.2	525	950	
975	24.5	84	17.0	347.9	300	26.2	58	12.8	338.7	302	24.2	85	16.9	347.4	298	24.8	83	17.0	348.4	297	975	
1000	26.6	86	19.3	354.6	76	29.1	70	18.0	354.3	77	26.6	80	17.8	350.2	74	26.6	87	19.4	354.8	73	1000	
SFC.	27.2	94	21.6	360.8	0	31.1	84	24.3	373.9	0	27.2	92	21.2	359.5	0	26.9	94	21.3	359.4	0	SFC.	
				SURFACE PRESSURE	1008.6				SURFACE PRESSURE	1008.6				SURFACE PRESSURE	1008.4				SURFACE PRESSURE	1008.2		

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA FANNING ISLAND

4/13 1757 GMT					4/13 1950 GMT					4/13 2310 GMT					4/14 145 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-63.3	0	0.0	469.2	19501	-61.6	0	0.0	473.0	19514	-65.0	0	0.0	465.5	19563	-61.7	0	0.0	472.8	19572	60
70	-71.3	0	0.0	431.9	18576	-70.4	0	0.0	433.7	18587	-73.6	21	.0	426.9	18646	-71.1	0	0.0	432.3	18647	70
80	-75.7	18	.0	406.7	17793	-72.2	18	.0	413.9	17797	-75.9	21	.0	406.3	17870	-74.8	16	.0	408.5	17865	80
90	-82.5	18	.0	379.6	17123	-79.9	19	.0	384.8	17119	-81.0	21	.0	382.5	17197	-76.3	16	.0	392.0	17183	90
100	-81.5	18	.0	370.3	16536	-80.4	19	.0	372.4	16527	-80.8	21	.0	371.6	16604	-80.1	15	.0	373.0	16585	100
110	-79.0	18	.0	365.0	15998	-79.3	19	.0	364.5	15988	-77.1	21	.0	368.6	16062	-79.4	16	.0	364.3	16046	110
120	-75.1	18	.0	363.2	15499	-75.5	19	.0	362.5	15490	-73.8	21	.0	365.7	15559	-75.0	16	.0	363.4	15547	120
130	-71.5	18	.0	361.5	15030	-71.7	18	.0	361.0	15022	-70.7	20	.0	362.9	15088	-71.0	16	.0	362.4	15078	130
140	-70.0	18	.0	356.5	14591	-69.7	18	.0	357.1	14582	-67.8	20	.0	360.3	14645	-69.6	15	.0	357.3	14637	140
150	-68.6	18	.0	352.0	14179	-68.7	18	.0	351.8	14170	-65.2	20	.0	357.9	14227	-67.3	15	.0	354.3	14224	150
160	-66.9	18	.0	348.5	13791	-66.4	18	.0	349.3	13782	-62.3	20	.0	356.2	13832	-64.5	15	.0	352.4	13832	160
170	-63.8	18	.0	347.6	13422	-63.4	18	.0	348.3	13412	-59.6	20	.0	354.6	13455	-61.9	15	.0	350.6	13460	170
180	-60.9	18	.0	346.7	13069	-60.5	18	.0	347.3	13058	-57.0	20	.0	353.1	13095	-59.5	15	.0	348.9	13104	180
190	-58.0	18	.0	346.0	12731	-57.8	18	.0	346.3	12719	-54.6	20	.0	351.6	12751	-57.2	15	.0	347.3	12764	190
200	-55.3	18	.0	345.3	12406	-55.2	18	.0	345.4	12394	-52.3	19	.0	350.1	12421	-54.3	15	.0	346.8	12437	200
225	-49.0	17	.0	343.5	11643	-49.3	17	.0	343.2	11632	-47.0	19	.0	346.7	11650	-47.6	14	.0	345.8	11671	225
250	-42.5	16	.1	343.1	10942	-43.1	17	.1	342.3	10932	-41.7	19	.1	344.4	10945	-41.5	13	.1	344.6	10966	250
275	-36.4	15	.1	342.9	10290	-37.2	16	.1	341.7	10282	-35.9	18	.1	343.7	10290	-35.6	12	.1	344.0	10311	275
300	-31.3	14	.1	341.9	9680	-32.5	16	.1	340.1	9674	-30.7	18	.2	342.9	9679	-30.2	12	.1	343.3	9699	300
325	-26.5	14	.2	340.9	9107	-27.3	15	.2	339.8	9104	-25.8	17	.2	342.1	9105	-25.3	11	.2	342.5	9123	325
350	-22.1	13	.2	339.9	8567	-22.7	14	.2	339.2	8565	-21.7	17	.3	340.8	8564	-20.7	10	.2	341.8	8580	350
375	-18.1	13	.3	338.9	8056	-19.0	14	.3	337.7	8055	-18.1	16	.4	339.2	8052	-16.5	10	.3	340.9	8066	375
400	-14.9	13	.4	337.2	7571	-15.5	14	.4	336.4	7572	-14.7	16	.5	337.8	7567	-14.4	10	.3	337.5	7579	400
425	-12.9	15	.5	334.3	7110	-12.0	14	.5	335.4	7111	-12.6	17	.6	335.0	7106	-11.9	11	.4	335.2	7117	425
450	-11.2	17	.6	331.4	6673	-11.4	17	.6	331.1	6673	-10.4	18	.7	332.8	6668	-9.6	12	.5	333.0	6678	450
475	-8.3	16	.7	330.1	6256	-8.5	16	.7	329.9	6256	-7.5	18	.8	331.7	6249	-7.4	12	.6	330.9	6259	475
500	-5.6	18	.9	329.4	5856	-5.7	14	.7	328.8	5857	-4.8	18	1.0	330.7	5848	-5.1	14	.7	329.4	5858	500
525	-3.1	22	1.3	329.1	5472	-3.3	18	1.0	328.2	5472	-2.2	18	1.1	329.7	5463	-2.3	15	.9	329.1	5473	525
550	-.7	26	1.7	329.1	5102	-1.2	24	1.6	328.1	5103	-.4	20	1.4	328.4	5092	.4	17	1.2	328.8	5101	550
575	1.5	30	2.2	329.2	4745	.9	29	2.1	328.1	4747	1.4	23	1.6	327.3	4735	1.6	25	1.9	328.4	4744	575
600	3.2	33	2.6	328.6	4401	3.1	20	1.6	325.2	4404	3.2	28	2.2	327.3	4392	3.2	21	1.7	325.7	4400	600
625	4.7	36	3.1	327.9	4069	4.7	25	2.1	325.0	4072	4.9	34	3.0	327.8	4060	5.6	26	2.4	326.9	4068	625
650	6.4	43	4.0	328.9	3749	6.3	33	3.0	325.8	3752	6.6	40	3.7	328.6	3739	7.9	31	3.2	328.3	3746	650
675	8.1	53	5.3	331.4	3438	7.9	42	4.2	327.8	3441	8.3	45	4.6	329.5	3428	10.2	35	4.1	330.2	3434	675
700	9.7	63	6.8	334.3	3136	9.7	43	4.7	327.9	3140	10.0	44	4.9	329.0	3126	11.6	40	4.8	330.7	3130	700
725	11.1	55	6.3	331.0	2844	10.9	51	5.7	329.1	2848	11.8	41	4.9	327.7	2834	12.8	44	5.6	331.0	2836	725
750	12.4	45	5.4	326.7	2560	12.2	49	5.8	327.6	2564	13.5	37	4.8	326.4	2549	14.3	44	5.9	330.6	2551	750
775	14.1	39	5.1	324.7	2284	14.6	36	4.8	324.5	2288	15.1	34	4.7	324.9	2272	17.3	27	4.2	326.0	2272	775
800	16.3	37	5.3	324.9	2015	16.5	31	4.6	323.1	2019	16.7	31	4.6	323.4	2003	18.3	23	3.8	322.9	2001	800
825	18.4	34	5.5	325.1	1753	18.1	32	5.0	323.3	1757	16.3	43	6.0	324.1	1741	18.7	25	4.1	321.1	1737	825
850	16.3	74	10.2	333.0	1498	15.7	73	9.7	330.8	1502	16.0	69	9.4	330.4	1487	17.1	70	10.1	333.9	1482	850
875	18.0	73	11.0	334.5	1250	17.5	75	10.8	333.2	1254	17.9	67	10.0	331.4	1239	18.8	66	10.4	333.9	1233	875
900	19.9	70	11.5	335.6	1007	19.1	71	11.0	333.1	1012	19.7	65	10.5	332.4	997	20.4	69	11.6	336.3	990	900
925	21.6	70	12.3	337.0	769	20.6	68	11.2	332.8	776	21.5	63	11.1	333.3	759	22.1	71	13.0	339.6	752	925
950	22.4	79	14.3	340.7	537	22.1	64	11.4	332.5	544	23.2	61	11.6	334.2	527	24.7	73	15.2	346.2	519	950
975	24.4	82	16.5	346.5	309	24.3	70	13.9	339.6	317	24.9	59	12.1	335.1	299	27.2	75	17.7	353.6	289	975
1000	26.4	86	18.8	352.9	86	27.4	71	16.7	348.3	43	28.2	69	17.0	350.3	76	29.6	77	20.4	361.8	63	1000
SFC.	27.1	87	19.8	355.6	0	29.4	75	19.5	357.8	0	30.4	80	22.2	366.9	0	30.3	77	21.2	364.2	0	SFC.
				SURFACE PRESSURE	1009.7				SURFACE PRESSURE	1010.5				SURFACE PRESSURE	1008.5				SURFACE PRESSURE	1007.0	

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA FANNING ISLAND.

4/14 515 GMT						4/14 1147 GMT						4/14 1756 GMT						4/15 014 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-62.2	0	0.0	471.7	19383	-66.0	0	0.0	463.2	19507	-61.3	0	0.0	473.7	19455	-63.3	0	0.0	469.2	19440	60		
70	-75.1	0	0.0	423.7	18460	-74.0	0	0.0	426.1	18584	-71.8	0	0.0	430.9	18525	-71.7	17	.0	431.1	18511	70		
80	-78.1	0	0.0	401.7	17693	-79.5	17	.0	398.8	17812	-78.5	18	.0	400.9	17752	-78.4	17	.0	401.1	17738	80		
90	-79.8	0	0.0	384.9	17023	-80.6	17	.0	383.4	17142	-78.3	18	.0	388.1	17080	-80.1	16	.0	384.5	17068	90		
100	-84.2	15	.0	365.1	16434	-81.8	17	.0	369.7	16554	-82.9	18	.0	367.6	16484	-82.8	17	.0	367.8	16477	100		
110	-82.6	15	.0	358.3	15905	-80.6	17	.0	362.0	16021	-80.9	18	.0	361.5	15950	-80.9	17	.0	361.4	15943	110		
120	-79.0	15	.0	356.1	15414	-77.3	16	.0	359.2	15526	-79.1	18	.0	355.9	15457	-77.9	17	.0	358.0	15450	120		
130	-75.6	15	.0	354.0	14955	-74.3	16	.0	356.4	15063	-75.4	18	.0	354.5	14998	-74.6	17	.0	355.8	14988	130		
140	-72.6	14	.0	352.0	14523	-71.2	16	.0	354.3	14628	-71.8	18	.0	353.4	14565	-71.6	16	.0	353.7	14554	140		
150	-69.7	14	.0	350.1	14115	-68.4	16	.0	352.3	14217	-68.8	18	.0	351.7	14155	-68.8	16	.0	351.7	14144	150		
160	-67.0	14	.0	348.2	13728	-65.3	16	.0	351.1	13828	-66.2	18	.0	349.6	13767	-66.1	16	.0	349.7	13755	160		
170	-64.5	14	.0	346.4	13360	-61.5	15	.0	351.3	13455	-63.6	18	.0	347.9	13397	-63.2	16	.0	348.6	13385	170		
180	-61.6	14	.0	345.6	13008	-58.0	15	.0	351.5	13098	-60.9	18	.0	346.7	13044	-60.2	16	.0	347.7	13031	180		
190	-58.6	13	.0	345.0	12671	-55.8	15	.0	349.5	12755	-58.0	18	.0	346.0	12705	-57.5	16	.0	346.8	12692	190		
200	-55.9	13	.0	344.4	12347	-53.5	15	.0	348.2	12427	-55.2	18	.0	345.4	12380	-54.9	16	.0	345.9	12366	200		
225	-49.5	12	.0	342.7	11586	-47.5	15	.0	345.8	11660	-48.7	18	.0	344.0	11617	-48.4	16	.0	344.5	11602	225		
250	-43.5	12	.0	341.6	10887	-41.7	13	.1	344.3	10954	-42.9	18	.1	342.5	10916	-42.3	15	.1	343.4	10899	250		
275	-37.2	11	.1	341.7	10237	-36.2	12	.1	343.2	10301	-37.1	17	.1	341.8	10265	-36.9	15	.1	342.2	10247	275		
300	-31.4	10	.1	341.5	9629	-31.0	12	.1	342.2	9690	-31.7	16	.1	341.3	9657	-31.9	14	.1	341.0	9639	300		
325	-26.4	10	.1	340.9	9056	-26.3	11	.2	341.1	9117	-27.8	16	.2	339.2	9086	-27.5	14	.2	339.5	9068	325		
350	-22.2	10	.2	339.6	8516	-21.9	10	.2	340.1	8577	-23.4	15	.2	338.3	8549	-23.7	13	.2	337.7	8531	350		
375	-18.3	10	.2	338.4	8005	-18.1	10	.3	338.6	8065	-19.3	14	.3	337.3	8039	-20.1	13	.3	336.0	8023	375		
400	-16.4	10	.3	334.7	7521	-14.9	11	.3	336.9	7580	-16.2	14	.4	335.4	7557	-16.8	12	.3	334.4	7541	400		
425	-14.0	10	.3	332.1	7063	-12.3	10	.3	334.5	7119	-13.0	13	.4	334.0	7098	-14.1	13	.4	332.4	7084	425		
450	-11.8	10	.3	329.8	6627	-10.3	10	.4	331.9	6680	-11.3	16	.6	331.2	6660	-11.5	14	.5	330.7	6648	450		
475	-9.6	10	.4	327.6	6212	-7.2	12	.6	331.1	6262	-8.2	15	.7	330.3	6243	-8.8	15	.6	329.3	6231	475		
500	-7.0	10	.5	326.2	5814	-5.6	16	.8	329.1	5861	-6.7	16	.8	327.6	5844	-6.3	15	.7	328.0	5832	500		
525	-4.2	11	.6	325.5	5432	-3.4	18	1.0	327.9	5477	-4.5	17	.9	326.3	5461	-3.9	15	.8	326.7	5449	525		
550	-2.2	13	.8	324.3	5064	-.7	17	1.1	327.2	5107	-2.5	21	1.2	325.3	5094	-1.6	16	1.0	325.6	5081	550		
575	-.3	15	1.0	323.2	4709	.5	28	1.9	327.2	4751	-.9	26	1.6	324.5	4740	.5	16	1.1	324.5	4725	575		
600	1.6	18	1.3	322.3	4368	1.8	45	3.2	328.8	4409	.7	31	2.1	323.8	4399	2.3	19	1.5	323.8	4383	600		
625	3.2	34	2.6	324.6	4038	3.4	51	4.0	329.2	4079	2.8	35	2.6	324.1	4070	3.8	25	2.0	323.4	4052	625		
650	5.3	33	2.9	324.3	3719	6.1	52	4.7	330.9	3759	5.7	36	3.2	325.6	3751	5.9	26	2.3	323.4	3733	650		
675	7.3	36	3.4	324.8	3409	8.6	53	5.6	332.8	3448	8.4	37	3.8	327.3	3441	8.1	27	2.7	323.5	3423	675		
700	9.3	38	4.0	325.4	3109	10.5	59	6.7	334.9	3146	10.4	40	4.5	328.3	3139	10.1	28	3.1	323.7	3121	700		
725	11.1	41	4.6	326.2	2817	11.8	63	7.6	335.8	2852	11.5	44	5.1	328.2	2846	11.3	35	4.0	324.7	2829	725		
750	12.0	49	5.7	327.2	2534	13.9	48	6.4	331.5	2567	12.8	45	5.6	327.8	2562	12.6	38	4.6	324.8	2545	750		
775	13.0	29	3.6	319.1	2258	15.8	36	5.3	327.3	2290	15.1	36	5.0	325.5	2286	14.9	28	3.8	321.7	2269	775		
800	13.6	20	2.5	313.5	1992	17.3	32	5.0	325.2	2019	16.9	30	4.6	323.6	2016	16.8	20	3.0	318.7	2000	800		
825	13.6	74	8.8	329.0	1733	17.8	45	6.9	328.6	1756	17.8	35	5.5	324.3	1753	17.3	27	4.1	319.7	1738	825		
850	15.0	97	12.3	337.2	1480	17.2	81	11.9	338.8	1501	17.7	53	7.9	328.3	1498	17.4	42	6.1	322.9	1483	850		
875	16.6	93	12.7	337.4	1233	18.4	85	13.0	340.6	1252	17.5	71	10.3	331.9	1250	17.1	68	9.6	329.6	1235	875		
900	18.4	81	12.0	334.8	991	19.9	83	13.7	341.4	1009	18.4	88	13.2	338.1	1008	18.7	64	9.6	328.8	994	900		
925	20.1	86	13.8	339.2	755	21.2	86	14.9	343.6	771	19.8	97	15.4	343.3	771	20.3	68	11.1	332.2	758	925		
950	21.7	91	15.8	344.0	523	22.3	90	16.4	346.3	539	20.9	95	15.7	342.6	540	21.9	74	12.9	336.3	526	950		
975	23.9	83	16.1	344.9	296	23.5	94	17.9	349.1	311	23.2	86	15.9	343.5	313	23.5	67	12.6	334.8	299	975		
1000	26.3	77	16.8	347.3	73	26.3	90	19.8	355.4	87	25.4	77	15.9	343.7	91	25.1	60	12.1	333.0	77	1000		
SFC.	27.2	87	20.0	356.3	0	26.6	96	21.3	358.9	0	27.2	82	18.8	352.7	0	25.6	58	12.0	332.3	0	SFC.		
				SURFACE PRESSURE	1008.2				SURFACE PRESSURE	1009.9				SURFACE PRESSURE	1010.3				SURFACE PRESSURE	1008.8			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

4/15 555 GMT					4/15 1256 GMT					4/15 1727 GMT					4/15 2038 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-62.5	0	0.0	471.0	19499	-64.8	0	0.0	465.9	19457	-65.4	0	0.0	464.5	19518	0.0	0	0.0	0.0	0	60	
70	-69.0	0	0.0	436.8	18557	-72.4	0	0.0	429.6	18521	-64.1	0	0.0	447.3	18575	0.0	0	0.0	0.0	0	70	
80	-78.1	20	.0	401.7	17777	-78.8	28	.0	400.2	17757	-73.5	0	0.0	411.2	17776	-77.7	0	0.0	402.5	17881	80	
90	-78.0	20	.0	388.7	17104	-78.1	28	.0	388.4	17085	-76.1	21	.0	392.4	17093	-77.3	18	.0	390.0	17207	90	
100	-81.3	20	.0	370.7	16505	-81.4	28	.0	370.5	16485	-77.1	21	.0	378.8	16487	-75.9	19	.0	381.1	16600	100	
110	-81.6	20	.0	360.2	15972	-81.4	28	.0	360.5	15951	-81.3	21	.0	360.7	15946	-78.3	19	.0	366.4	16051	110	
120	-78.2	19	.0	357.4	15479	-77.7	28	.0	358.4	15457	-79.6	21	.0	355.0	15454	-77.8	20	.0	358.3	15555	120	
130	-75.2	19	.0	354.8	15019	-74.3	28	.0	356.4	14995	-76.1	21	.0	353.2	14997	-74.5	19	.0	356.1	15093	130	
140	-72.3	19	.0	352.4	14586	-71.2	27	.0	354.4	14560	-72.8	20	.0	351.5	14565	-71.4	19	.0	354.0	14659	140	
150	-69.7	19	.0	350.0	14178	-68.3	27	.0	352.5	14149	-69.8	20	.0	349.9	14158	-68.0	19	.0	353.0	14248	150	
160	-66.4	19	.0	349.2	13790	-65.5	27	.0	350.8	13759	-67.0	20	.0	348.3	13771	-64.9	19	.0	351.8	13857	160	
170	-63.1	19	.0	348.8	13420	-62.3	27	.0	350.0	13388	-63.8	20	.0	347.5	13402	-61.9	19	.0	350.7	13484	170	
180	-60.0	18	.0	348.2	13066	-59.4	26	.0	349.2	13032	-60.8	20	.0	346.8	13049	-59.0	19	.0	349.7	13128	180	
190	-57.0	18	.0	347.7	12726	-56.6	26	.0	348.4	12692	-58.0	20	.0	346.1	12710	-56.3	19	.0	348.9	12787	190	
200	-54.2	18	.0	347.0	12399	-53.9	25	.0	347.6	12364	-55.2	20	.0	345.4	12385	-53.6	19	.0	348.0	12459	200	
225	-47.9	17	.0	345.2	11633	-47.6	25	.1	345.9	11597	-49.0	20	.0	343.6	11623	-47.5	19	.0	346.0	11692	225	
250	-42.3	16	.1	343.5	10929	-41.6	24	.1	344.6	10892	-42.8	19	.1	342.8	10921	-41.2	19	.1	345.2	10986	250	
275	-37.2	15	.1	341.8	10278	-36.9	30	.2	342.5	10240	-37.1	18	.1	341.8	10271	-35.5	19	.1	344.4	10330	275	
300	-31.7	13	.1	341.2	9670	-31.7	24	.2	341.6	9631	-32.0	17	.1	340.9	9663	-30.3	18	.2	343.5	9718	300	
325	-26.6	11	.1	340.6	9098	-26.9	18	.2	340.6	9059	-27.2	16	.2	340.0	9092	-25.5	18	.3	342.6	9143	325	
350	-23.2	10	.2	338.2	8558	-23.2	15	.3	338.5	8520	-22.4	14	.2	339.5	8553	-21.1	18	.4	341.8	8600	350	
375	-19.6	10	.2	336.5	8049	-20.9	15	.3	335.0	8013	-20.2	15	.3	336.1	8044	-18.8	14	.3	337.9	8088	375	
400	-16.1	10	.3	335.2	7567	-17.2	13	.3	333.9	7533	-16.8	13	.3	334.5	7562	-16.0	14	.4	335.7	7605	400	
425	-13.7	12	.4	332.8	7108	-14.8	16	.4	331.7	7076	-13.9	14	.4	332.9	7104	-13.3	15	.5	333.7	7146	425	
450	-11.5	13	.5	330.5	6672	-12.6	40	1.3	332.0	6642	-13.4	39	1.2	330.7	6669	-10.8	15	.6	331.8	6709	450	
475	-8.8	16	.7	329.6	6255	-8.7	26	1.1	331.0	6226	-9.7	31	1.2	330.2	6255	-8.1	30	1.3	332.6	6291	475	
500	-7.4	16	.7	326.5	5857	-7.6	35	1.5	329.0	5827	-6.5	22	1.0	328.8	5856	-5.5	18	.9	329.6	5891	500	
525	-5.0	16	.8	325.3	5476	-5.0	21	1.0	326.1	5446	-4.7	23	1.2	327.0	5474	-3.1	19	1.1	328.5	5506	525	
550	-2.0	17	1.0	325.3	5108	-3.4	43	2.3	327.8	5079	-2.8	32	1.8	326.9	5106	-.8	19	1.2	327.5	5137	550	
575	2.2	13	1.0	326.2	4753	-1.3	32	1.9	325.0	4726	-.7	29	1.8	325.4	4753	1.3	20	1.4	326.5	4780	575	
600	3.5	19	1.5	325.5	4408	.5	35	2.3	324.3	4386	1.5	19	1.3	322.5	4411	3.4	20	1.6	325.7	4437	600	
625	4.1	27	2.2	324.4	4076	2.2	43	3.1	325.0	4057	2.8	33	2.5	323.8	4082	5.4	20	1.8	324.9	4104	625	
650	5.3	25	2.2	322.1	3757	4.6	35	2.9	323.4	3739	4.7	28	2.3	322.0	3763	7.3	21	2.1	324.2	3783	650	
675	7.1	21	2.0	320.3	3448	6.7	32	2.9	322.5	3430	6.9	23	2.1	320.3	3455	9.2	21	2.3	323.5	3471	675	
700	10.7	29	3.4	325.2	3146	8.3	44	4.3	325.3	3131	9.9	29	3.2	323.7	3154	11.0	22	2.5	323.0	3169	700	
725	11.9	39	4.7	327.2	2853	9.9	56	5.9	328.5	2840	11.7	36	4.2	325.7	2862	12.6	23	2.9	322.8	2876	725	
750	13.1	48	6.0	329.3	2569	11.9	50	5.8	327.3	2557	13.5	42	5.4	328.1	2577	14.1	29	3.9	324.2	2591	750	
775	15.3	25	3.5	321.3	2292	13.8	42	5.4	325.4	2281	15.2	48	6.7	330.8	2300	15.5	35	4.9	325.8	2314	775	
800	17.5	20	3.1	319.6	2023	14.2	58	7.4	328.5	2013	16.9	54	8.1	333.8	2030	16.8	40	6.0	327.6	2044	800	
825	19.1	26	4.4	322.6	1759	14.6	74	9.3	331.5	1753	16.4	68	9.7	334.7	1767	17.0	49	7.2	328.4	1781	825	
850	15.6	94	12.4	338.3	1504	14.9	89	11.2	334.2	1499	15.8	78	10.4	333.0	1513	17.3	57	8.3	329.0	1527	850	
875	17.4	95	13.7	341.1	1257	16.7	84	11.6	334.4	1252	17.5	77	11.2	334.3	1265	18.9	60	9.4	331.2	1278	875	
900	19.2	84	13.3	339.4	1014	18.4	79	11.8	334.5	1011	19.2	76	11.9	335.7	1023	20.5	63	10.6	333.6	1035	900	
925	20.9	83	14.0	340.9	777	20.1	75	12.1	334.5	775	20.9	75	12.6	337.0	786	22.0	65	11.8	336.1	797	925	
950	22.5	87	15.8	344.9	545	21.8	72	12.6	335.4	543	21.9	80	14.0	339.4	554	23.5	68	13.1	338.9	564	950	
975	24.7	82	16.7	347.5	317	23.6	81	15.3	342.5	316	23.4	81	15.3	342.2	327	25.4	62	13.2	338.8	336	975	
1000	26.7	83	18.7	353.0	93	25.4	89	18.4	350.3	93	26.1	82	17.8	349.6	104	27.9	68	16.3	348.0	112	1000	
SFC.	27.2	92	21.1	359.2	0	26.1	92	19.8	353.9	0	27.2	93	21.3	359.6	0	29.7	84	22.3	365.7	0	SFC.	
				SURFACE PRESSURE	1010.5				SURFACE PRESSURE	1010.6				SURFACE PRESSURE	1011.8				SURFACE PRESSURE	1012.6		

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA FANNING ISLAND

4/15 23 4 GMT						4/16 210 GMT					4/16 525 GMT					4/16 1155 GMT					P
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-63.6	0	0.0	468.5	19561	-65.1	0	0.0	465.2	19521	-65.9	0	0.0	463.5	19437	-65.2	0	0.0	464.9	19499	60
70	-70.3	0	0.0	434.0	18622	-67.0	26	.0	441.2	18580	-66.1	51	.0	443.3	18501	-66.6	0	0.0	442.0	18563	70
80	-79.0	0	0.0	399.8	17853	-78.8	26	.0	400.3	17798	-78.8	51	.0	400.4	17707	-73.7	40	.0	410.8	17763	80
90	-78.8	18	.0	386.9	17183	-80.0	26	.0	384.7	17130	-80.7	51	.0	383.3	17043	-81.5	40	.0	381.6	17090	90
100	-77.3	18	.0	378.4	16581	-77.5	26	.0	378.0	16531	-78.8	51	.0	375.5	16447	-78.7	40	.0	375.7	16495	100
110	-79.3	18	.0	364.4	16038	-80.3	27	.0	362.6	15990	-81.4	51	.0	360.4	15907	-77.5	40	.0	367.9	15949	110
120	-76.9	18	.0	359.9	15541	-77.1	27	.0	359.6	15495	-79.0	51	.0	356.0	15415	-79.2	40	.0	355.6	15457	120
130	-74.2	18	.0	356.5	15078	-74.1	26	.0	356.8	15032	-76.2	51	.0	353.0	14957	-76.5	40	.0	352.5	15000	130
140	-70.9	18	.0	355.0	14643	-71.3	26	.0	354.1	14597	-72.7	51	.0	351.8	14526	-72.9	40	.0	351.4	14569	140
150	-67.7	18	.0	353.5	14231	-68.3	26	.0	352.6	14186	-69.5	52	.0	350.5	14118	-69.6	40	.0	350.3	14161	150
160	-64.6	18	.0	352.3	13840	-65.0	27	.0	351.6	13796	-66.4	52	.0	349.3	13730	-66.5	39	.0	349.2	13773	160
170	-61.6	18	.0	351.3	13467	-62.0	28	.0	350.6	13423	-63.5	52	.0	348.0	13360	-63.5	39	.0	348.1	13404	170
180	-58.7	18	.0	350.2	13110	-59.1	29	.0	349.6	13067	-60.8	53	.0	346.9	13007	-60.8	39	.0	347.0	13051	180
190	-56.0	18	.0	349.2	12768	-56.4	29	.0	348.6	12726	-58.3	53	.0	345.7	12669	-58.2	39	.0	345.9	12712	190
200	-53.5	18	.0	348.2	12440	-53.9	30	.0	347.7	12399	-55.9	53	.1	344.5	12344	-55.4	39	.0	345.3	12387	200
225	-47.1	18	.0	346.5	11672	-47.9	31	.1	345.5	11632	-49.7	59	.1	342.8	11584	-48.4	39	.1	344.8	11624	225
250	-41.0	17	.1	345.4	10965	-41.5	26	.1	344.9	10927	-44.0	64	.2	341.4	10886	-42.6	45	.2	343.5	10921	250
275	-35.5	16	.1	344.3	10310	-35.7	22	.1	344.2	10272	-38.1	43	.2	341.0	10238	-37.3	51	.3	342.4	10270	275
300	-30.4	15	.2	343.2	9697	-30.6	19	.2	343.0	9661	-32.6	24	.2	340.2	9632	-32.4	57	.5	341.6	9663	300
325	-25.7	15	.2	342.1	9123	-26.1	18	.2	341.7	9087	-28.3	15	.2	338.3	9063	-27.7	35	.4	340.2	9093	325
350	-21.4	14	.3	341.0	8581	-21.9	16	.3	340.4	8546	-24.7	12	.2	336.2	8528	-24.5	19	.3	336.9	8556	350
375	-19.5	14	.3	337.0	8071	-20.5	17	.3	335.8	8037	-21.3	12	.2	334.3	8022	-21.2	21	.4	335.0	8051	375
400	-16.3	14	.4	335.3	7588	-16.5	15	.4	335.1	7556	-18.1	12	.3	332.6	7543	-16.6	12	.3	334.7	7570	400
425	-14.4	14	.4	332.1	7130	-13.8	17	.5	333.3	7098	-15.1	16	.5	331.3	7088	-12.8	10	.3	333.9	7112	425
450	-11.0	18	.6	331.9	6694	-11.2	19	.7	331.8	6661	-12.3	20	.7	330.3	6653	-11.3	19	.7	331.7	6674	450
475	-8.1	26	1.1	332.0	6277	-8.9	36	1.5	332.3	6244	-10.2	38	1.4	330.3	6238	-9.2	22	.9	329.7	6258	475
500	-5.4	13	.7	328.9	5876	-5.7	35	1.7	332.0	5844	-7.1	22	1.0	327.8	5841	-6.7	17	.8	327.7	5860	500
525	-3.2	14	.8	327.5	5492	-3.5	29	1.7	330.0	5460	-5.4	21	1.0	325.5	5459	-4.6	36	1.9	329.3	5477	525
550	-1.1	15	1.0	326.2	5122	-1.5	32	2.0	329.0	5091	-3.1	24	1.3	325.1	5092	-3.1	44	2.4	328.5	5110	550
575	.9	16	1.1	325.0	4767	.4	33	2.2	327.9	4736	-.7	37	2.3	327.0	4739	-.6	38	2.4	327.3	4756	575
600	2.8	17	1.3	323.9	4424	2.4	22	1.7	324.7	4393	1.6	18	1.3	322.4	4397	1.7	38	2.7	327.1	4415	600
625	4.6	18	1.5	322.8	4092	4.3	25	2.1	324.4	4062	2.5	29	2.1	322.4	4068	3.8	41	3.3	327.5	4084	625
650	6.5	20	1.8	322.5	3772	6.1	28	2.5	324.3	3742	4.8	24	2.0	321.1	3750	6.3	32	2.9	325.6	3764	650
675	8.5	24	2.4	323.2	3461	7.8	31	3.0	324.3	3432	6.6	31	2.8	322.2	3441	8.7	22	2.3	322.9	3454	675
700	10.5	27	3.1	324.2	3160	9.5	33	3.5	324.3	3131	8.0	42	4.1	324.2	3142	8.8	64	6.5	332.3	3152	700
725	12.4	31	3.8	325.4	2867	11.0	40	4.5	325.7	2839	10.0	39	4.1	323.4	2851	10.7	53	5.9	329.4	2861	725
750	14.1	35	4.7	326.5	2582	12.4	48	5.8	328.0	2556	11.8	41	4.8	324.4	2568	12.8	48	6.0	329.1	2577	750
775	15.1	39	5.4	326.8	2304	14.2	45	5.9	327.2	2280	13.6	44	5.5	325.5	2293	14.8	51	6.9	331.0	2300	775
800	16.0	46	6.6	328.4	2035	15.6	51	7.0	329.2	2011	14.7	45	6.0	325.0	2025	16.8	42	6.3	328.6	2030	800
825	16.8	55	8.0	330.4	1773	16.9	58	8.6	332.1	1749	15.9	56	7.8	328.6	1764	17.7	59	9.1	334.7	1767	825
850	17.7	63	9.4	332.5	1518	17.7	59	8.8	330.8	1493	17.3	57	8.3	329.0	1509	17.7	70	10.5	335.6	1512	850
875	19.3	63	10.2	333.9	1269	18.5	67	10.4	333.4	1245	17.8	71	10.4	332.7	1261	18.4	83	12.7	339.5	1263	875
900	21.0	63	11.0	335.2	1025	19.6	73	11.7	335.7	1002	19.4	81	12.9	338.5	1019	19.6	89	14.3	342.7	1020	900
925	22.6	62	11.7	336.6	787	21.3	73	12.7	337.6	765	21.3	89	15.5	345.4	781	21.0	91	15.5	345.0	782	925
950	24.2	62	12.5	338.0	554	22.9	73	13.6	339.5	532	23.1	93	17.7	351.0	548	22.3	93	16.8	347.4	550	950
975	25.8	61	13.2	339.5	325	24.8	69	14.2	340.8	305	24.6	83	16.9	348.0	320	24.6	86	17.4	349.3	322	975
1000	28.5	59	14.7	344.3	101	27.4	74	17.2	349.8	81	26.3	78	17.0	347.7	96	26.3	85	18.5	351.9	98	1000
SFC.	30.3	83	22.8	368.3	0	28.5	85	21.1	361.0	0	27.2	86	19.7	355.2	0	26.2	92	19.9	354.3	0	SFC.
				SURFACE PRESSURE	1011.3				SURFACE PRESSURE	1009.1				SURFACE PRESSURE	1010.9				SURFACE PRESSURE	1011.1	



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

4/16 19 0 GMT						4/16 2327 GMT						4/17 6 2 GMT						4/17 1239 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-65.3	0	0.0	464.8	19560	-63.3	0	0.0	469.3	19556	-65.9	0	0.0	463.5	19504	-67.7	0	0.0	459.3	19472	60		
70	-68.9	0	0.0	437.0	18630	-67.1	0	0.0	440.8	18613	-69.9	0	0.0	434.9	18577	-70.3	0	0.0	434.1	18547	70		
80	-73.9	20	.0	410.4	17838	-73.2	23	.0	411.7	17819	-73.4	31	.0	411.4	17789	-75.8	37	.0	406.4	17767	80		
90	-80.1	21	.0	384.3	17163	-79.3	23	.0	386.1	17140	-77.5	32	.0	389.5	17106	-78.8	37	.0	387.1	17091	90		
100	-78.6	21	.0	375.9	16565	-78.9	23	.0	375.3	16543	-80.5	32	.0	372.2	16512	-81.4	37	.0	370.5	16496	100		
110	-75.1	20	.0	372.4	16017	-74.7	25	.0	373.1	15995	-80.1	32	.0	363.0	15973	-79.4	37	.0	364.2	15958	110		
120	-76.1	20	.0	361.4	15513	-76.5	25	.0	360.6	15494	-77.1	32	.0	359.5	15478	-77.1	37	.0	359.5	15462	120		
130	-73.2	20	.0	358.5	15047	-74.2	27	.0	356.7	15030	-73.8	31	.0	357.3	15015	-73.0	37	.0	358.9	14997	130		
140	-70.5	20	.0	355.7	14610	-72.0	29	.0	353.0	14596	-70.7	31	.0	355.2	14579	-69.1	37	.0	358.1	14559	140		
150	-67.9	20	.0	353.1	14198	-68.8	28	.0	351.7	14186	-68.4	31	.0	352.3	14167	-67.9	37	.0	353.2	14145	150		
160	-65.4	20	.0	351.0	13808	-65.6	27	.0	350.6	13797	-67.0	32	.0	348.2	13779	-66.8	38	.0	348.6	13756	160		
170	-62.6	20	.0	349.6	13437	-62.6	26	.0	349.6	13426	-63.9	32	.0	347.4	13411	-64.4	38	.0	346.6	13388	170		
180	-60.0	20	.0	348.1	13082	-59.8	25	.0	348.5	13071	-60.9	32	.0	346.6	13058	-61.5	38	.0	345.7	13036	180		
190	-57.6	20	.0	346.7	12743	-57.1	24	.0	347.5	12731	-58.1	31	.0	345.9	12720	-58.8	38	.0	344.8	12699	190		
200	-55.3	20	.0	345.4	12417	-54.6	23	.0	346.4	12405	-55.5	31	.0	345.1	12395	-56.2	38	.0	344.0	12375	200		
225	-48.4	19	.0	344.5	11654	-48.8	21	.0	343.9	11641	-49.3	31	.1	343.2	11633	-49.8	37	.1	342.5	11616	225		
250	-42.1	19	.1	343.8	10951	-42.6	20	.1	343.1	10939	-43.6	29	.1	341.7	10934	-43.7	36	.1	341.5	10917	250		
275	-36.5	18	.1	342.9	10298	-36.9	18	.1	342.3	10288	-37.6	26	.1	341.4	10285	-38.2	35	.2	340.6	10269	275		
300	-31.3	18	.2	342.0	9688	-31.7	17	.2	341.4	9679	-31.9	23	.2	341.3	9677	-33.4	38	.3	339.5	9664	300		
325	-27.7	17	.2	339.3	9118	-27.2	19	.2	340.2	9107	-28.0	39	.5	339.9	9106	-29.1	50	.5	338.6	9097	325		
350	-23.1	15	.3	338.7	8580	-23.7	28	.4	338.6	8570	-24.1	44	.7	338.9	8570	-24.7	44	.7	338.0	8563	350		
375	-20.7	17	.3	335.5	8073	-20.0	24	.5	337.0	8062	-20.5	49	1.0	338.1	8063	-20.6	40	.8	337.3	8056	375		
400	-17.2	16	.4	334.2	7593	-16.4	16	.4	335.3	7580	-16.6	17	.4	335.1	7581	-16.7	35	.9	336.6	7575	400		
425	-12.2	12	.4	334.9	7134	-12.3	16	.6	335.3	7120	-12.6	19	.6	335.2	7122	-12.9	15	.5	334.3	7116	425		
450	-10.6	18	.7	332.5	6696	-10.4	18	.7	332.6	6682	-9.8	28	1.1	335.0	6683	-10.5	17	.6	332.4	6679	450		
475	-7.9	17	.7	330.9	6278	-8.4	19	.8	330.4	6264	-8.7	19	.8	330.1	6265	-8.1	38	1.7	333.8	6261	475		
500	-5.7	19	1.0	329.5	5877	-5.1	16	.8	330.0	5864	-6.1	17	.8	328.6	5866	-5.3	19	1.0	330.1	5860	500		
525	-4.0	26	1.4	328.6	5494	-2.8	16	1.0	328.5	5479	-4.0	17	.9	327.0	5483	-3.8	25	1.3	328.5	5476	525		
550	-1.2	18	1.2	326.7	5125	-.7	17	1.1	327.2	5119	-2.3	20	1.2	325.4	5115	-2.5	30	1.7	327.1	5108	550		
575	.5	26	1.8	326.7	4769	1.4	17	1.2	326.0	4753	-.8	23	1.4	324.0	4761	-.3	39	2.5	328.1	4753	575		
600	2.5	27	2.1	326.1	4427	3.3	17	1.4	324.8	4409	1.2	24	1.7	323.2	4420	1.6	35	2.5	326.2	4412	600		
625	4.6	26	2.2	325.1	4095	5.2	18	1.6	323.8	4077	3.7	24	1.9	323.2	4090	3.6	50	4.0	329.4	4081	625		
650	6.6	25	2.3	324.2	3775	7.0	18	1.7	322.7	3756	6.0	25	2.2	323.2	3770	6.4	30	2.7	325.3	3761	650		
675	8.5	24	2.5	323.3	3464	8.6	21	2.2	322.6	3445	8.3	25	2.5	323.3	3460	8.5	26	2.7	323.9	3450	675		
700	8.1	56	5.4	328.3	3164	9.2	42	4.4	326.5	3144	9.4	41	4.3	326.7	3159	8.5	30	2.9	321.3	3150	700		
725	9.6	41	4.2	323.3	2873	9.9	52	5.5	327.5	2852	10.5	56	6.2	330.1	2867	9.1	66	6.6	329.5	2859	725		
750	11.7	47	5.4	326.0	2591	12.0	43	5.0	325.3	2569	11.6	71	8.2	333.8	2584	11.2	64	7.1	330.2	2577	750		
775	14.6	31	4.1	322.5	2315	13.7	42	5.3	324.9	2294	14.0	52	6.8	329.5	2308	13.1	59	7.2	329.8	2302	775		
800	15.6	45	6.3	327.1	2046	15.4	40	5.5	324.6	2026	15.5	58	8.1	332.1	2039	15.0	53	7.1	328.7	2034	800		
825	16.0	38	5.3	321.7	1785	17.0	40	5.8	324.4	1764	17.0	52	7.8	330.0	1777	15.8	65	8.9	331.8	1772	825		
850	16.8	63	9.0	330.3	1530	17.5	53	7.8	327.9	1509	17.4	72	10.7	335.8	1521	16.5	83	11.5	336.8	1518	850		
875	17.7	69	10.1	331.5	1282	18.0	65	9.8	331.1	1261	18.7	79	12.3	339.0	1273	18.4	81	12.5	339.1	1269	875		
900	19.4	68	10.8	332.9	1040	19.8	65	10.6	332.7	1018	20.3	81	13.6	341.5	1029	20.3	81	13.5	341.4	1026	900		
925	21.1	67	11.6	334.3	803	21.6	64	11.2	334.1	781	21.8	83	14.9	344.3	791	22.1	80	14.6	343.9	788	925		
950	22.3	73	13.3	337.8	571	23.4	62	11.9	335.4	548	23.2	85	16.3	347.2	558	23.9	79	15.6	346.4	555	950		
975	24.6	72	14.6	341.7	344	25.2	60	12.5	336.7	320	24.7	87	17.7	350.3	330	25.6	78	16.7	348.9	326	975		
1000	27.7	72	17.1	349.9	120	28.6	66	16.6	349.8	96	26.0	89	19.2	353.6	106	26.6	80	17.9	350.6	101	1000		
SFC.	29.5	77	20.1	359.3	0	31.4	75	22.0	367.4	0	26.7	90	20.0	355.3	0	25.6	88	18.3	349.2	0	SFC.		
				SURFACE PRESSURE	1013.5				SURFACE PRESSURE	1010.8				SURFACE PRESSURE	1012.0				SURFACE PRESSURE	1011.5			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

4/17 1715 GMT						4/17 1945 GMT						4/17 23 0 GMT						4/18 145 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-65.4	0	0.0	464.5	19492	-66.9	0	0.0	461.2	19548	-65.9	0	0.0	463.4	19537	-65.9	0	0.0	463.4	19558	60		
70	-67.8	0	0.0	439.3	18559	-66.1	0	0.0	443.0	18615	-66.8	0	0.0	441.4	18609	-66.6	0	0.0	441.9	18628	70		
80	-73.5	0	0.0	411.1	17765	-73.8	19	.0	410.6	17823	-73.2	17	.0	411.9	17812	-73.1	0	0.0	411.9	17826	80		
90	-78.3	0	0.0	387.9	17085	-77.3	20	.0	390.0	17141	-75.8	18	.0	392.9	17127	-77.3	21	.0	390.0	17146	90		
100	-80.5	25	.0	372.2	16487	-77.8	20	.0	377.4	16540	-78.2	18	.0	376.7	16521	-78.8	21	.0	375.5	16548	100		
110	-78.8	24	.0	365.4	15947	-77.0	20	.0	368.7	15994	-77.3	18	.0	368.3	15976	-76.9	21	.0	369.0	16003	110		
120	-77.3	24	.0	359.2	15450	-76.3	20	.0	361.0	15493	-76.4	18	.0	360.8	15476	-75.2	21	.0	363.1	15501	120		
130	-73.2	24	.0	358.4	14986	-72.3	20	.0	360.0	15027	-72.5	17	.0	359.7	15010	-72.6	21	.0	359.6	15034	130		
140	-69.4	24	.0	357.6	14548	-68.6	20	.0	359.0	14587	-69.1	18	.0	358.1	14571	-69.5	20	.0	357.4	14595	140		
150	-68.4	25	.0	352.3	14136	-66.8	20	.0	355.0	14172	-67.1	18	.0	354.5	14156	-67.1	20	.0	354.5	14181	150		
160	-67.1	25	.0	348.1	13748	-65.8	20	.0	350.2	13781	-67.9	18	.0	346.8	13767	-66.5	21	.0	349.1	13791	160		
170	-64.2	25	.0	346.9	13379	-63.1	20	.0	348.8	13410	-65.1	17	.0	345.4	13401	-63.6	21	.0	347.8	13422	170		
180	-61.5	25	.0	345.8	13027	-60.5	20	.0	347.3	13057	-61.6	17	.0	345.5	13049	-60.9	21	.0	346.6	13069	180		
190	-58.9	25	.0	344.7	12690	-57.8	20	.0	346.4	12718	-58.3	16	.0	345.5	12712	-58.2	21	.0	345.8	12731	190		
200	-56.4	25	.0	343.6	12366	-55.2	20	.0	345.5	12392	-55.2	15	.0	345.4	12387	-55.1	21	.0	345.6	12406	200		
225	-50.8	25	.0	340.9	11609	-49.2	20	.0	343.3	11630	-49.0	16	.0	343.6	11624	-48.2	20	.0	344.8	11642	225		
250	-44.4	23	.1	340.4	10913	-43.7	20	.1	341.4	10931	-43.7	18	.1	341.4	10924	-42.2	19	.1	343.7	10938	250		
275	-38.3	21	.1	340.2	10266	-37.8	18	.1	340.9	10282	-37.7	17	.1	341.0	10275	-37.3	19	.1	341.7	10288	275		
300	-32.8	20	.2	339.8	9661	-32.5	17	.1	340.1	9676	-32.1	16	.1	340.7	9668	-31.9	19	.2	341.2	9680	300		
325	-29.1	23	.2	337.6	9092	-28.0	16	.2	338.9	9106	-27.7	17	.2	339.4	9098	-26.8	18	.2	340.7	9108	325		
350	-24.5	24	.4	337.1	8558	-23.8	15	.2	337.7	8569	-23.6	17	.3	338.1	8561	-22.9	19	.3	339.2	8569	350		
375	-20.6	21	.4	336.0	8051	-19.8	14	.3	336.5	8062	-19.9	16	.3	336.7	8053	-19.4	19	.4	337.6	8060	375		
400	-16.9	18	.5	334.8	7570	-16.2	13	.4	335.4	7579	-16.4	16	.4	335.3	7570	-16.1	20	.5	336.1	7577	400		
425	-13.2	16	.5	333.9	7112	-12.7	12	.4	334.3	7120	-13.0	13	.4	333.9	7112	-13.1	16	.5	334.3	7118	425		
450	-9.8	14	.6	333.1	6674	-10.1	12	.5	332.3	6681	-10.3	11	.4	331.9	6673	-10.8	17	.6	332.1	6680	450		
475	-7.7	15	.7	331.1	6255	-7.7	12	.5	330.4	6263	-8.5	11	.5	329.2	6256	-8.6	17	.7	330.0	6263	475		
500	-5.7	16	.8	329.0	5855	-5.6	13	.7	328.7	5862	-6.1	17	.8	328.6	5857	-6.5	30	1.4	330.0	5864	500		
525	-3.9	14	.8	326.6	5471	-4.8	32	1.6	328.3	5479	-4.1	37	2.0	330.3	5473	-3.8	38	2.1	331.1	5481	525		
550	-2.8	54	3.1	330.9	5103	-3.3	50	2.7	329.3	5112	-1.9	33	2.0	328.6	5105	-1.1	32	2.0	329.7	5111	550		
575	-.7	33	2.1	326.1	4749	-.7	26	1.7	324.9	4759	.3	22	1.5	325.5	4750	1.5	25	1.9	328.2	4755	575		
600	1.4	28	2.0	324.3	4408	1.0	30	2.0	324.1	4418	2.5	20	1.5	324.3	4407	4.0	19	1.6	326.3	4411	600		
625	3.3	28	2.2	323.5	4078	2.6	33	2.4	323.4	4089	4.6	26	2.2	325.0	4076	5.5	20	1.8	324.9	4078	625		
650	5.3	37	3.2	325.4	3759	5.3	24	2.0	321.7	3770	6.6	29	2.7	325.4	3755	7.5	36	3.6	329.1	3757	650		
675	7.8	24	2.3	322.1	3449	7.3	19	1.8	319.9	3461	8.6	16	1.7	320.9	3445	9.2	23	2.5	324.4	3445	675		
700	9.1	23	2.4	320.5	3149	8.2	24	2.3	319.1	3161	9.5	17	1.8	319.0	3144	10.6	26	3.0	324.0	3143	700		
725	9.3	62	6.3	328.9	2858	9.3	39	4.0	322.2	2871	10.4	18	1.9	317.2	2852	11.8	29	3.5	323.6	2850	725		
750	11.1	46	5.1	324.3	2576	11.2	42	4.7	323.2	2589	11.6	40	4.6	323.6	2570	13.2	36	4.5	325.1	2566	750		
775	13.2	41	5.0	323.4	2301	13.2	32	4.0	320.5	2314	13.5	41	5.2	324.2	2295	15.0	42	5.8	327.8	2289	775		
800	15.0	40	5.3	323.4	2033	14.9	34	4.6	321.3	2046	15.5	35	4.9	322.7	2026	17.0	37	5.6	326.7	2020	800		
825	16.2	48	6.7	325.8	1772	16.6	36	5.2	322.1	1785	16.9	36	5.3	322.8	1765	16.9	49	7.2	328.1	1757	825		
850	16.9	73	10.5	334.6	1517	17.2	56	8.2	328.4	1531	16.9	56	7.9	327.4	1510	18.1	61	9.3	332.7	1502	850		
875	17.9	77	11.5	335.6	1269	18.6	60	9.3	330.4	1282	18.2	63	9.5	330.4	1262	19.2	72	11.6	337.6	1253	875		
900	18.9	79	12.2	336.2	1027	19.9	64	10.4	332.4	1039	19.9	66	10.8	333.3	1020	20.3	83	14.0	342.8	1009	900		
925	20.6	78	12.9	337.5	790	21.2	68	11.7	334.7	802	21.5	70	12.2	336.5	782	21.7	83	14.9	344.2	771	925		
950	22.5	75	13.6	339.0	558	22.4	71	12.9	337.1	570	23.1	73	13.7	340.0	550	23.9	75	15.0	344.6	538	950		
975	23.6	85	16.3	345.0	331	24.4	75	14.9	342.3	343	24.8	70	14.3	341.1	322	26.1	67	14.9	344.4	309	975		
1000	26.1	75	16.2	345.4	107	28.3	78	19.1	356.2	118	28.0	66	15.9	347.1	98	28.2	60	14.6	343.6	84	1000		
SFC.	26.4	90	19.6	353.8	0	30.3	79	21.7	364.7	0	31.2	84	24.4	374.0	0	29.0	57	14.4	343.1	0	SFC.		
				SURFACE PRESSURE	1012.2				SURFACE PRESSURE	1013.3				SURFACE PRESSURE	1011.0				SURFACE PRESSURE	1009.5			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

P	T	4/18 5 0 GMT				T	RH	4/18 1159 GMT				T	RH	4/18 1810 GMT				T	RH	4/18 2357 GMT				P
		RH	W	EPT	H			W	EPT	H	W			EPT	H	W	EPT			H	W	EPT	H	
60	-69.2	0	0.0	456.0	19505	-69.4	50	.0	455.8	19446	-64.4	0	0.0	466.8	19483	-66.4	0	0.0	462.2	19587	60			
70	-69.8	26	.0	435.2	18587	-71.7	55	.0	431.1	18531	-69.4	0	0.0	436.0	18545	-66.5	0	0.0	442.2	18654	70			
80	-76.6	26	.0	404.9	17806	-75.0	55	.0	408.0	17749	-76.5	17	.0	405.0	17764	-72.8	20	.0	412.6	17854	80			
90	-80.6	27	.0	383.4	17135	-78.0	56	.0	388.7	17071	-77.4	17	.0	389.8	17090	-78.5	20	.0	387.6	17175	90			
100	-79.4	27	.0	374.3	16540	-80.6	56	.0	372.0	16473	-78.7	16	.0	375.7	16487	-78.8	20	.0	375.5	16572	100			
110	-78.4	27	.0	366.1	15999	-78.4	56	.0	366.1	15932	-78.4	16	.0	366.2	15943	-76.4	20	.0	369.9	16028	110			
120	-74.9	27	.0	363.7	15498	-75.9	56	.0	361.7	15433	-75.6	16	.0	362.3	15444	-73.3	20	.0	366.5	15522	120			
130	-71.6	27	.0	361.4	15029	-72.9	56	.0	358.9	14968	-73.0	16	.0	358.7	14978	-70.4	20	.0	363.4	15051	130			
140	-68.7	27	.0	353.8	14589	-70.2	57	.0	356.2	14530	-70.7	16	.0	355.3	14541	-67.8	20	.0	360.4	14608	140			
150	-67.5	27	.0	353.9	14174	-67.6	57	.0	353.7	14117	-68.5	16	.0	352.2	14129	-65.9	20	.0	356.7	14191	150			
160	-66.4	27	.0	349.3	13784	-67.3	58	.0	347.7	13729	-66.4	16	.0	349.2	13741	-64.6	20	.0	352.2	13798	160			
170	-63.6	27	.0	347.9	13415	-64.8	58	.0	346.0	13361	-65.5	16	.0	344.7	13373	-63.1	20	.0	348.7	13426	170			
180	-61.0	26	.0	346.5	13062	-62.4	59	.0	344.4	13010	-62.6	16	.0	343.9	13023	-60.3	20	.0	347.7	13072	180			
190	-58.2	26	.0	345.8	12724	-59.6	60	.0	343.6	12675	-59.9	16	.0	343.0	12688	-57.6	20	.0	346.7	12733	190			
200	-55.2	25	.0	345.5	12399	-56.8	61	.1	343.1	12352	-57.3	16	.0	342.1	12365	-55.1	20	.0	345.7	12407	200			
225	-48.5	24	.1	344.5	11635	-50.3	63	.1	341.8	11594	-50.2	15	.0	341.7	11609	-48.6	20	.0	344.2	11644	225			
250	-42.4	23	.1	343.4	10933	-44.6	65	.2	340.6	10898	-43.9	15	.0	341.0	10911	-42.7	20	.1	342.9	10942	250			
275	-36.9	22	.1	342.3	10281	-39.3	62	.3	339.4	10253	-38.3	14	.1	340.1	10263	-37.7	16	.1	341.1	10292	275			
300	-32.0	23	.2	341.1	9673	-33.8	39	.3	338.9	9650	-33.2	14	.1	339.1	9658	-32.2	17	.1	340.5	9685	300			
325	-27.5	24	.3	340.0	9102	-28.3	24	.3	338.8	9082	-28.5	13	.2	338.1	9090	-27.3	18	.2	340.0	9115	325			
350	-23.5	27	.4	338.8	8564	-23.8	19	.3	337.9	8546	-24.1	13	.2	337.1	8554	-22.9	18	.3	339.1	8576	350			
375	-20.2	42	.9	338.1	8057	-20.8	34	.7	336.5	8039	-20.7	15	.3	335.3	8048	-19.6	19	.4	337.2	8067	375			
400	-16.1	18	.5	336.0	7575	-17.6	20	.5	334.0	7559	-17.6	17	.4	333.7	7568	-16.5	19	.5	335.5	7585	400			
425	-13.6	18	.6	333.6	7116	-14.8	16	.5	331.7	7102	-14.8	14	.4	331.5	7111	-13.5	16	.5	333.5	7127	425			
450	-11.3	17	.6	331.4	6679	-12.2	13	.4	329.5	6668	-12.3	15	.5	329.6	6676	-11.1	22	.8	332.2	6690	450			
475	-9.0	17	.7	329.4	6263	-9.7	14	.6	328.0	6252	-10.1	27	1.0	329.1	6262	-8.7	26	1.1	331.1	6273	475			
500	-6.9	46	2.1	331.8	5864	-7.3	41	1.8	330.3	5855	-7.7	38	1.6	329.3	5865	-5.9	33	1.6	331.6	5873	500			
525	-4.4	54	2.9	332.7	5481	-5.0	22	1.1	326.4	5473	-4.6	12	.6	325.1	5483	-3.0	17	1.0	328.4	5489	525			
550	-2.2	45	2.6	330.4	5113	-2.6	20	1.2	325.1	5105	-2.2	16	.9	324.9	5115	-.8	13	.9	326.2	5119	550			
575	.4	38	2.6	329.2	4758	-.4	22	1.4	324.4	4751	-1.0	31	1.9	325.3	4761	1.4	17	1.3	326.1	4763	575			
600	2.9	28	2.2	326.7	4415	1.6	24	1.7	323.9	4410	1.2	21	1.5	322.5	4420	3.6	23	1.9	326.9	4419	600			
625	4.6	31	2.7	326.5	4083	3.6	26	2.1	323.4	4080	2.8	47	3.5	327.0	4091	5.4	23	2.1	325.7	4086	625			
650	6.2	46	4.2	329.4	3763	5.3	42	3.6	326.4	3760	4.9	41	3.4	325.6	3772	7.0	28	2.6	325.6	3765	650			
675	8.5	28	2.9	324.7	3452	7.5	23	2.2	321.3	3451	7.0	36	3.3	324.1	3463	8.6	34	3.5	326.7	3454	675			
700	10.0	29	3.2	323.9	3151	8.1	62	6.1	330.2	3151	8.4	56	5.5	328.8	3163	10.1	41	4.5	327.9	3152	700			
725	11.4	31	3.6	323.5	2859	9.9	51	5.4	327.0	2860	9.5	68	7.0	331.0	2872	11.5	47	5.5	329.3	2860	725			
750	12.7	40	4.9	325.7	2575	11.2	61	6.7	329.1	2577	10.6	70	7.5	330.8	2590	12.9	53	6.6	330.9	2575	750			
775	14.1	54	7.0	330.4	2298	12.3	63	7.3	328.9	2303	12.5	69	8.1	331.6	2315	14.4	52	7.0	330.5	2299	775			
800	15.4	48	6.6	327.6	2030	13.5	83	10.2	335.5	2035	13.6	80	9.8	334.5	2048	15.8	52	7.3	330.1	2029	800			
825	16.0	69	9.5	333.7	1768	14.9	90	11.7	338.4	1775	15.6	73	9.9	334.3	1787	17.1	51	7.6	329.6	1767	825			
850	17.2	75	11.0	336.2	1513	16.7	90	12.7	340.5	1520	17.2	76	11.0	336.5	1532	18.4	51	7.9	329.2	1512	850			
875	18.4	81	12.4	338.9	1264	18.5	89	13.8	342.7	1271	18.8	73	11.4	336.6	1283	19.7	50	8.3	328.8	1263	875			
900	19.6	87	14.0	341.8	1021	20.2	89	14.9	345.0	1028	20.3	70	11.8	336.7	1040	20.8	56	9.7	331.4	1019	900			
925	21.1	92	15.9	346.2	784	21.8	89	16.0	347.4	790	21.8	68	12.2	336.9	802	21.8	64	11.4	334.8	781	925			
950	23.4	95	18.4	353.3	551	23.4	89	17.2	349.9	556	23.0	69	12.9	337.6	570	23.1	69	13.1	338.4	549	950			
975	25.4	87	18.5	353.6	322	25.0	88	18.3	352.4	328	24.1	69	13.6	338.3	342	25.6	67	14.3	342.0	321	975			
1000	27.4	79	18.5	353.3	97	26.5	88	19.6	355.1	103	25.2	77	15.8	343.0	119	28.4	76	18.9	355.8	96	1000			
SFC.	28.2	76	18.4	353.0	0	27.2	88	20.1	356.4	0	25.8	96	20.2	354.4	0	30.0	91	24.7	373.1	0	SFC.			
				SURFACE PRESSURE	1011.0				SURFACE PRESSURE	1011.7				SURFACE PRESSURE	1013.6				SURFACE PRESSURE	1010.8				

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

4/19 556 GMT						4/19 1239 GMT						4/19 1725 GMT						4/19 1950 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-68.3	0	0.0	458.0	19516	-66.8	0	0.0	461.4	19505	60		
70	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-68.7	0	0.0	437.4	18592	-68.4	0	0.0	438.0	18577	70		
80	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-75.1	0	0.0	407.8	17799	-75.0	45	.0	408.0	17783	80		
90	0.0	0	0.0	0.0	0	-78.7	41	.0	387.2	17139	-78.4	19	.0	387.9	17126	-79.6	45	.0	385.4	17114	90		
100	0.0	0	0.0	0.0	0	-79.6	41	.0	374.0	16541	-77.9	19	.0	377.2	16524	-78.3	45	.0	376.5	16515	100		
110	-78.2	49	.0	366.6	16009	-77.6	28	.0	367.7	15998	-76.9	19	.0	369.0	15978	-76.4	45	.0	369.9	15968	110		
120	-75.8	49	.0	361.9	15509	-75.2	21	.0	363.1	15497	-76.0	19	.0	361.6	15477	-74.7	45	.0	363.9	15465	120		
130	-72.7	49	.0	359.3	15043	-71.9	25	.0	360.7	15029	-72.9	19	.0	358.9	15011	-73.2	45	.0	358.5	14998	130		
140	-69.8	50	.0	356.8	14605	-69.0	30	.0	358.4	14589	-69.9	19	.0	356.7	14573	-71.7	45	.0	353.5	14562	140		
150	-67.2	50	.0	354.5	14191	-66.2	34	.0	356.2	14174	-67.0	19	.0	354.8	14160	-68.0	45	.0	353.1	14151	150		
160	-64.7	50	.0	352.2	13799	-63.6	38	.0	354.1	13780	-63.9	19	.0	353.4	13767	-64.5	45	.0	352.5	13760	160		
170	-65.3	50	.0	345.1	13429	-62.5	41	.0	349.7	13406	-61.1	19	.0	352.1	13393	-62.4	45	.0	349.9	13387	170		
180	-63.0	50	.0	343.2	13080	-61.7	42	.0	345.4	13054	-60.8	19	.0	346.8	13037	-61.0	45	.0	346.7	13034	180		
190	-60.3	50	.0	342.3	12745	-58.7	42	.0	345.0	12717	-58.5	19	.0	345.3	12699	-58.4	45	.0	345.5	12696	190		
200	-57.4	50	.0	342.1	12423	-55.8	42	.0	344.6	12393	-56.2	18	.0	343.8	12375	-56.0	45	.0	344.3	12371	200		
225	-50.0	51	.1	342.3	11666	-49.3	41	.1	343.4	11632	-49.9	18	.0	342.2	11617	-50.5	46	.1	341.4	11614	225		
250	-43.3	51	.2	342.4	10967	-43.1	37	.1	342.6	10932	-43.4	17	.1	341.8	10918	-43.8	46	.1	341.5	10917	250		
275	-37.3	52	.3	342.4	10317	-37.7	43	.2	341.6	10281	-37.7	17	.1	341.0	10269	-37.8	45	.2	341.5	10268	275		
300	-32.6	29	.2	340.4	9710	-33.0	46	.4	340.3	9675	-32.6	17	.1	340.1	9662	-32.3	45	.4	341.4	9661	300		
325	-27.7	28	.3	339.9	9140	-29.0	34	.4	338.2	9108	-29.5	21	.2	336.9	9093	-28.8	46	.5	338.9	9092	325		
350	-23.1	26	.4	339.4	8603	-24.1	24	.4	337.8	8572	-25.2	20	.3	335.9	8560	-25.5	47	.6	336.8	8558	350		
375	-19.3	24	.5	338.1	8093	-20.4	35	.7	337.2	8065	-20.7	24	.5	336.0	8054	-21.0	48	.9	337.2	8053	375		
400	-16.7	21	.5	335.4	7611	-17.5	30	.7	335.0	7584	-17.8	31	.7	334.6	7574	-17.8	49	1.2	336.1	7572	400		
425	-13.6	25	.8	334.5	7152	-14.2	15	.5	332.5	7127	-14.5	24	.7	333.0	7118	-14.6	49	1.4	335.3	7116	425		
450	-11.0	14	.5	331.4	6715	-11.7	13	.4	330.2	6691	-11.3	17	.6	331.3	6682	-11.6	49	1.7	334.7	6680	450		
475	-8.8	37	1.5	332.4	6298	-9.0	25	1.0	330.5	6275	-8.6	15	.6	329.8	6265	-8.9	49	2.0	333.9	6263	475		
500	-5.7	41	2.1	333.3	5898	-6.1	45	2.2	333.1	5876	-6.9	31	1.4	329.6	5866	-7.2	50	2.2	331.8	5865	500		
525	-2.6	13	.8	328.1	5514	-3.6	26	1.4	329.2	5492	-4.4	33	1.7	329.1	5483	-4.8	57	2.9	332.3	5482	525		
550	.1	13	.9	327.4	5143	-.8	13	.8	326.1	5123	-1.8	21	1.3	326.5	5115	-2.8	52	2.9	330.5	5115	550		
575	2.0	13	1.0	325.9	4786	1.6	14	1.0	325.4	4766	.7	23	1.6	326.2	4760	-1.2	53	3.2	329.2	4761	575		
600	3.7	15	1.3	324.9	4441	3.2	15	1.2	323.9	4423	3.0	19	1.5	324.8	4416	-.3	62	3.8	328.1	4421	600		
625	5.3	36	3.2	329.1	4109	4.8	28	2.4	326.0	4091	4.3	29	2.4	325.4	4085	2.6	67	5.0	331.1	4092	625		
650	6.3	57	5.3	332.8	3788	6.4	52	4.8	331.6	3770	5.4	50	4.3	328.8	3765	4.7	72	5.9	332.8	3773	650		
675	8.2	60	6.0	333.6	3477	8.5	54	5.5	332.6	3459	7.0	41	3.8	325.7	3456	6.8	76	7.0	334.8	3464	675		
700	10.0	62	6.8	334.6	3175	10.3	30	3.4	324.9	3157	9.0	39	4.1	325.4	3156	8.8	80	8.2	337.1	3163	700		
725	11.7	64	7.6	335.7	2882	11.5	50	5.8	330.2	2865	10.9	42	4.7	326.1	2864	10.3	80	8.7	337.0	2871	725		
750	13.7	60	7.8	335.4	2597	13.6	53	6.8	332.4	2580	12.1	60	7.2	331.6	2580	11.7	80	9.2	337.0	2588	750		
775	15.4	46	6.5	330.3	2319	14.5	72	9.7	338.6	2303	13.1	80	9.8	337.2	2304	13.1	79	9.8	337.0	2312	775		
800	16.3	52	7.5	331.4	2050	15.4	54	7.4	330.0	2034	14.0	80	10.1	335.9	2036	14.5	79	10.3	337.1	2043	800		
825	18.0	50	7.9	331.6	1787	16.7	58	8.4	331.3	1772	15.1	82	10.9	336.4	1775	15.8	79	10.9	337.2	1782	825		
850	19.6	46	7.8	330.2	1530	17.9	65	9.9	334.1	1516	16.2	85	11.6	336.9	1521	17.0	79	11.4	337.3	1527	850		
875	19.2	79	12.7	340.8	1280	18.8	84	13.3	341.8	1267	17.3	87	12.4	337.4	1273	18.3	79	12.0	337.5	1278	875		
900	20.5	84	14.3	343.9	1037	19.7	85	13.9	341.7	1024	18.8	89	13.7	340.0	1031	19.5	79	12.5	337.7	1035	900		
925	22.1	89	16.3	348.6	798	21.4	95	16.7	348.7	786	20.3	92	15.1	343.0	794	20.6	78	13.1	337.9	798	925		
950	23.6	94	18.5	353.7	565	22.8	95	17.8	350.7	553	22.0	92	16.3	345.6	562	21.8	78	13.6	338.1	567	950		
975	26.0	86	18.9	355.4	335	25.2	84	17.7	350.9	325	24.3	82	16.2	345.7	335	22.9	78	14.2	338.4	340	975		
1000	27.2	82	19.0	354.6	110	27.0	77	17.6	350.5	101	26.2	83	18.0	350.3	111	24.8	85	17.1	346.1	118	1000		
SFC.	26.7	85	18.8	352.1	0	27.1	80	18.2	350.8	0	26.7	95	21.1	358.3	0	26.9	97	21.8	360.4	0	SFC.		
				SURFACE PRESSURE	1012.5				SURFACE PRESSURE	1011.4				SURFACE PRESSURE	1012.6				SURFACE PRESSURE	1013.4			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

4/19 2330 GMT					4/20 2 0 GMT					4/20 527 GMT					4/20 1216 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-67.9	0	0.0	459.0	19474	-64.2	0	0.0	467.2	19508	-66.4	0	0.0	462.4	19565	-65.4	0	0.0	464.6	19511	60	
70	-69.4	0	0.0	435.9	18551	-69.7	0	0.0	435.3	18582	-72.4	17	.0	429.6	18648	-70.1	0	0.0	434.5	18582	70	
80	-74.9	0	0.0	408.4	17759	-72.7	20	.0	412.9	17790	-76.6	17	.0	404.8	17868	-75.0	0	0.0	408.1	17798	80	
90	-79.6	20	.0	385.4	17089	-78.7	20	.0	387.1	17110	-79.5	17	.0	385.6	17198	-79.0	19	.0	386.5	17120	90	
100	-78.2	19	.0	376.7	16490	-78.2	20	.0	376.7	16509	-79.5	18	.0	374.2	16600	-80.3	19	.0	372.6	16520	100	
110	-76.5	19	.0	369.7	15944	-77.4	20	.0	368.0	15964	-76.9	18	.0	369.0	16056	-77.8	19	.0	367.2	15978	110	
120	-75.0	19	.0	363.4	15441	-75.0	20	.0	363.4	15463	-74.6	17	.0	364.2	15553	-75.6	19	.0	362.4	15478	120	
130	-73.1	19	.0	358.6	14974	-72.7	20	.0	359.2	14996	-72.4	17	.0	359.9	15085	-73.5	19	.0	357.9	15012	130	
140	-70.2	19	.0	356.2	14537	-70.7	20	.0	355.3	14558	-70.4	17	.0	355.8	14647	-70.8	19	.0	355.0	14576	140	
150	-67.4	20	.0	353.9	14124	-68.5	20	.0	352.1	14147	-67.7	17	.0	353.6	14235	-67.9	19	.0	353.1	14165	150	
160	-65.0	20	.0	351.7	13733	-65.6	20	.0	350.5	13758	-64.8	17	.0	352.0	13844	-65.2	19	.0	351.3	13774	160	
170	-62.7	20	.0	349.3	13361	-62.9	20	.0	349.0	13387	-62.1	17	.0	350.4	13471	-62.6	19	.0	349.5	13403	170	
180	-60.6	20	.0	347.1	13007	-60.4	19	.0	347.5	13033	-59.5	16	.0	348.9	13116	-60.2	19	.0	347.8	13048	180	
190	-58.7	20	.0	345.0	12669	-58.0	19	.0	346.0	12694	-57.1	16	.0	347.4	12776	-57.5	18	.0	346.8	12709	190	
200	-56.8	20	.0	342.9	12346	-55.7	19	.0	344.6	12369	-54.8	16	.0	346.0	12450	-55.0	18	.0	345.8	12383	200	
225	-51.0	19	.0	340.5	11589	-49.9	19	.0	342.3	11610	-49.2	16	.0	343.3	11687	-49.1	16	.0	343.4	11620	225	
250	-44.9	18	.1	339.6	10895	-43.6	18	.1	341.6	10911	-42.7	15	.1	342.8	10986	-43.9	15	.0	341.1	10921	250	
275	-38.7	18	.1	339.5	10249	-37.8	18	.1	340.8	10262	-36.9	14	.1	342.1	10335	-37.9	15	.1	340.6	10273	275	
300	-33.1	17	.1	339.3	9645	-32.6	17	.1	340.0	9656	-31.6	14	.1	341.4	9726	-32.5	15	.1	340.1	9667	300	
325	-28.0	16	.2	338.9	9076	-27.9	17	.2	339.1	9087	-26.7	13	.2	340.6	9154	-28.2	15	.2	338.5	9097	325	
350	-24.5	18	.3	336.9	8540	-23.4	16	.3	338.3	8549	-22.4	14	.3	339.6	8614	-24.4	15	.2	336.8	8562	350	
375	-21.2	20	.4	335.0	8034	-21.0	20	.4	335.3	8042	-18.9	17	.4	338.1	8104	-20.8	15	.3	335.3	8055	375	
400	-18.2	22	.5	333.2	7555	-17.6	23	.5	334.1	7562	-15.6	20	.6	336.9	7620	-17.4	15	.4	333.8	7575	400	
425	-14.7	19	.6	332.2	7099	-15.0	26	.7	332.4	7106	-13.2	34	1.1	336.1	7161	-14.5	22	.6	332.8	7118	425	
450	-11.4	17	.6	331.2	6663	-11.2	18	.6	331.6	6670	-9.7	18	.7	333.7	6723	-11.6	22	.8	331.5	6683	450	
475	-8.2	15	.6	330.1	6246	-7.7	16	.7	331.0	6253	-6.8	13	.6	331.9	6303	-8.8	17	.7	329.6	6266	475	
500	-6.5	27	1.3	329.6	5847	-5.1	14	.7	329.6	5851	-4.1	12	.7	330.6	5901	-6.3	17	.8	328.3	5867	500	
525	-4.7	32	1.6	328.5	5464	-3.8	29	1.6	329.5	5467	-2.9	49	2.9	334.6	5515	-4.4	47	2.5	331.4	5484	525	
550	-2.2	21	1.2	325.6	5096	-1.2	23	1.5	327.7	5098	.2	21	1.5	329.6	5144	-1.7	23	1.4	327.0	5116	550	
575	.1	24	1.6	325.5	4742	1.0	21	1.5	326.4	4743	2.7	23	1.8	329.4	4787	.3	52	3.5	331.9	4760	575	
600	2.0	38	2.8	327.7	4400	2.8	28	2.2	326.6	4399	3.9	44	3.7	332.9	4442	2.4	28	2.1	326.0	4418	600	
625	3.5	50	4.0	329.2	4069	4.5	34	2.9	327.1	4068	5.6	58	5.3	335.8	4108	4.1	35	2.9	326.6	4087	625	
650	5.1	43	3.6	326.3	3750	7.1	29	2.8	326.2	3747	8.0	55	5.7	336.0	3786	5.3	60	5.2	331.3	3767	650	
675	7.0	50	4.7	328.3	3440	8.7	43	4.5	329.8	3435	10.0	53	6.0	335.8	3473	7.5	46	4.4	328.0	3457	675	
700	8.9	54	5.5	329.4	3140	10.1	39	4.3	327.4	3134	11.5	52	6.3	334.9	3169	9.5	50	5.3	329.5	3156	700	
725	10.2	49	5.3	327.1	2849	11.5	39	4.6	326.6	2841	12.9	51	6.5	334.0	2875	11.3	49	5.7	329.6	2864	725	
750	11.5	52	5.9	327.2	2566	12.9	40	5.0	326.0	2557	14.3	50	6.8	333.1	2589	13.0	41	5.2	326.9	2579	750	
775	12.9	60	7.2	329.5	2291	13.9	46	5.9	326.8	2281	15.7	49	7.0	332.2	2311	14.7	34	4.6	323.9	2303	775	
800	14.5	64	8.4	331.5	2023	14.9	51	6.8	327.7	2013	17.0	50	7.7	332.6	2041	15.9	39	5.6	325.4	2034	800	
825	15.9	54	7.4	327.7	1761	15.8	39	5.3	321.5	1752	18.2	57	9.1	335.3	1777	17.1	50	7.3	328.8	1772	825	
850	16.4	76	10.6	334.1	1507	16.6	67	9.4	331.2	1498	19.5	63	10.7	338.2	1521	18.2	59	9.2	332.4	1516	850	
875	17.2	76	10.9	333.1	1259	17.8	53	7.8	325.3	1250	20.5	71	12.3	341.3	1270	19.2	69	11.1	336.2	1267	875	
900	18.0	77	11.2	332.2	1018	18.4	76	11.3	332.9	1008	20.6	84	14.4	344.2	1026	20.3	78	13.1	340.2	1023	900	
925	19.3	75	11.5	332.0	782	20.6	63	10.4	330.5	771	20.8	96	16.2	346.7	788	21.3	87	15.1	344.4	786	925	
950	21.9	67	11.8	333.3	551	21.9	71	12.5	335.4	540	23.6	86	16.9	349.3	555	22.3	96	17.3	348.7	553	950	
975	24.4	60	12.0	334.2	324	24.7	73	14.8	342.3	313	26.2	78	17.3	351.3	326	23.9	91	17.6	349.0	325	975	
1000	28.2	67	16.5	348.9	101	27.4	74	17.3	350.0	89	27.6	75	17.6	351.3	101	25.5	85	17.8	348.9	102	1000	
SFC.	30.0	72	19.4	358.1	0	28.4	75	18.4	353.4	0	26.4	82	17.9	349.1	0	26.2	83	17.9	348.8	0	SFC.	
				SURFACE PRESSURE	1011.3				SURFACE PRESSURE	1010.0				SURFACE PRESSURE	1011.4				SURFACE PRESSURE	1011.6		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

4/20 18 2 GMT						4/20 2355 GMT					4/21 515 GMT					4/21 1312 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-63.9	0	0.0	467.9	19523	-64.7	0	0.0	466.0	19537	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	60	
70	-69.4	15	.0	436.0	18594	-68.9	17	.0	437.1	18603	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	70	
80	-73.9	15	.0	410.3	17803	-74.1	17	.0	409.9	17814	-74.5	37	.0	409.1	17736	0.0	0	0.0	0.0	0	0	80	
90	-78.1	15	.0	388.4	17125	-76.4	17	.0	391.7	17132	-77.9	38	.0	388.7	17060	0.0	0	0.0	0.0	0	0	90	
100	-78.1	16	.0	376.9	16523	-78.5	17	.0	376.1	16528	-78.2	38	.0	376.7	16458	0.0	0	0.0	0.0	0	0	100	
110	-77.3	17	.0	368.2	15979	-78.0	17	.0	366.9	15987	-80.6	38	.0	362.0	15917	0.0	0	0.0	0.0	0	0	110	
120	-75.0	16	.0	363.4	15477	-75.4	17	.0	362.7	15485	-77.7	38	.0	358.4	15423	0.0	0	0.0	0.0	0	0	120	
130	-74.2	16	.0	356.6	15011	-73.4	17	.0	358.0	15019	-75.1	38	.0	355.1	14961	0.0	0	0.0	0.0	0	0	130	
140	-71.7	16	.0	353.5	14577	-71.6	17	.0	353.7	14584	-72.6	38	.0	351.9	14529	0.0	0	0.0	0.0	0	0	140	
150	-68.6	16	.0	351.9	14167	-68.5	17	.0	352.2	14174	-70.2	38	.0	349.3	14121	0.0	0	0.0	0.0	0	0	150	
160	-65.7	15	.0	350.4	13778	-65.7	17	.0	350.5	13784	-67.5	37	.0	347.4	13735	0.0	0	0.0	0.0	0	0	160	
170	-63.0	15	.0	348.9	13407	-64.0	17	.0	347.2	13414	-65.0	37	.0	345.6	13368	0.0	0	0.0	0.0	0	0	170	
180	-60.5	15	.0	347.4	13053	-60.7	16	.0	346.9	13062	-62.6	36	.0	343.9	13017	0.0	0	0.0	0.0	0	0	180	
190	-58.0	15	.0	346.0	12715	-57.7	16	.0	346.6	12723	-59.5	37	.0	343.6	12681	0.0	0	0.0	0.0	0	0	190	
200	-55.3	15	.0	345.3	12389	-54.7	16	.0	346.2	12397	-56.6	37	.0	343.3	12358	0.0	0	0.0	0.0	0	0	200	
225	-48.8	14	.0	343.9	11627	-48.4	15	.0	344.5	11632	-49.9	39	.1	342.3	11600	0.0	0	0.0	0.0	0	0	225	
250	-42.9	14	.0	342.5	10925	-42.6	15	.1	343.0	10930	-44.0	40	.1	341.3	10902	0.0	0	0.0	0.0	0	0	250	
275	-37.3	13	.1	341.6	10275	-36.9	14	.1	342.1	10279	-38.6	49	.2	340.3	10255	0.0	0	0.0	0.0	0	0	275	
300	-32.1	13	.1	340.6	9667	-31.7	13	.1	341.2	9670	-33.7	19	.1	338.5	9651	0.0	0	0.0	0.0	0	0	300	
325	-27.6	14	.2	339.3	9097	-27.2	12	.2	339.9	9099	-29.0	16	.2	337.4	9084	0.0	0	0.0	0.0	0	0	325	
350	-23.5	14	.2	338.0	8560	-23.4	12	.2	338.1	8561	-24.6	12	.2	336.3	8549	0.0	0	0.0	0.0	0	0	350	
375	-21.8	16	.3	333.9	8056	-19.8	13	.3	336.5	8052	-21.1	20	.4	335.2	8043	0.0	0	0.0	0.0	0	0	375	
400	-17.3	15	.4	333.9	7576	-16.5	13	.3	334.9	7570	-17.1	14	.3	334.1	7563	0.0	0	0.0	0.0	0	0	400	
425	-15.6	26	.7	331.6	7120	-13.4	14	.4	333.5	7112	-14.8	16	.4	331.7	7106	0.0	0	0.0	0.0	0	0	425	
450	-12.1	21	.7	330.6	6687	-12.1	16	.5	330.1	6676	-12.5	18	.6	329.7	6672	0.0	0	0.0	0.0	0	0	450	
475	-8.9	14	.6	329.2	6270	-9.1	14	.6	328.8	6260	-9.6	21	.8	329.0	6257	0.0	0	0.0	0.0	0	0	475	
500	-7.2	43	1.9	330.9	5872	-6.3	13	.6	327.6	5861	-6.9	19	.9	327.8	5859	0.0	0	0.0	0.0	0	0	500	
525	-4.5	30	1.5	328.4	5489	-4.1	22	1.2	327.7	5478	-4.2	18	.9	326.7	5476	0.0	0	0.0	0.0	0	0	525	
550	-2.1	34	2.0	328.4	5121	-1.9	31	1.9	328.3	5110	-1.9	22	1.3	326.4	5108	0.0	0	0.0	0.0	0	0	550	
575	.6	33	2.3	328.4	4766	.4	38	2.6	329.3	4755	-.1	35	2.3	327.6	4753	0.0	0	0.0	0.0	0	0	575	
600	2.6	22	1.7	324.9	4423	2.7	43	3.3	330.1	4412	1.7	46	3.3	329.0	4411	0.0	0	0.0	0.0	0	0	600	
625	3.8	42	3.4	327.8	4093	4.7	36	3.1	327.9	4080	3.5	39	3.1	326.4	4081	3.1	43	3.3	326.6	4067	0	625	
650	6.0	40	3.6	327.4	3773	6.7	29	2.7	325.5	3759	5.6	41	3.6	327.0	3762	5.1	46	3.9	327.1	3748	0	650	
675	8.1	38	3.8	327.1	3462	8.6	22	2.3	322.9	3448	8.1	36	3.6	326.4	3451	7.0	49	4.5	327.8	3438	0	675	
700	9.8	44	4.8	328.4	3161	10.3	19	2.1	321.0	3147	10.2	33	3.6	325.4	3150	9.5	39	4.2	326.3	3138	0	700	
725	11.4	40	4.7	326.6	2868	11.9	19	2.3	320.0	2854	11.7	41	4.8	327.5	2857	11.1	41	4.6	326.1	2846	0	725	
750	12.8	36	4.5	324.6	2584	13.4	19	2.4	319.1	2570	13.0	35	4.4	324.4	2573	12.5	42	5.1	326.0	2562	0	750	
775	14.2	33	4.3	322.6	2308	14.6	26	3.5	320.5	2294	14.5	33	4.4	323.1	2297	14.0	43	5.6	326.0	2286	0	775	
800	15.2	41	5.6	324.6	2040	15.5	37	5.1	323.5	2025	16.2	48	7.0	329.7	2027	15.1	49	6.6	327.4	2017	0	800	
825	16.1	53	7.4	327.7	1779	16.1	51	7.1	326.8	1764	16.7	54	7.8	329.8	1765	15.9	64	8.9	331.7	1756	0	825	
850	16.9	64	9.1	330.8	1524	14.4	60	7.3	322.7	1510	16.8	83	11.9	338.4	1510	16.6	78	10.9	335.4	1502	0	850	
875	17.9	73	10.8	333.6	1276	18.4	79	12.1	337.9	1263	17.7	96	14.0	342.4	1262	17.2	88	12.6	337.7	1254	0	875	
900	19.4	72	11.4	334.5	1034	19.7	86	13.9	341.7	1020	19.2	88	13.8	340.9	1019	18.5	91	13.7	339.6	1012	0	900	
925	20.9	71	12.0	335.3	797	20.6	83	13.8	340.0	783	20.7	83	13.9	340.1	782	20.2	89	14.5	341.4	775	0	925	
950	22.1	78	13.8	338.8	565	22.9	92	17.3	349.5	551	22.4	87	15.9	345.3	550	21.9	87	15.4	343.1	543	0	950	
975	23.8	77	14.9	341.5	338	25.1	81	17.0	348.9	322	24.5	85	17.2	348.8	322	23.5	85	16.2	344.8	316	0	975	
1000	26.1	77	16.6	346.5	115	27.9	79	19.1	355.7	98	27.0	75	17.2	349.3	98	25.1	84	17.1	346.5	93	0	1000	
SFC.	27.2	85	19.4	354.2	0	30.0	90	24.4	372.2	0	28.1	71	17.1	349.2	0	25.8	83	17.4	347.3	0	0	SFC.	
				SURFACE PRESSURE	1013.0				SURFACE PRESSURE	1011.0				SURFACE PRESSURE	1011.1				SURFACE PRESSURE	1010.6			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

4/21 1725 GMT							4/21 1955 GMT					4/21 2325 GMT												
P	T	RH	W	EPT	H		T	RH	W	EPT	H		T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-65.8	0	0.0	463.6	19557		0.0	0	0.0	0.0	0		-65.4	0	0.0	464.5	19572	0.0	:	:	:	:	0	60
70	-67.4	0	0.0	440.1	18625		0.0	0	0.0	0.0	0		-67.5	0	0.0	440.0	18637	0.0	:	:	:	:	0	70
80	-77.2	19	.0	403.6	17835		0.0	0	0.0	0.0	0		-73.2	0	0.0	411.7	17839	0.0	:	:	:	:	0	80
90	-78.1	19	.0	388.4	17164		0.0	0	0.0	0.0	0		-79.1	18	.0	386.5	17166	0.0	:	:	:	:	0	90
100	-76.0	19	.0	380.9	16559		0.0	0	0.0	0.0	0		-76.8	17	.0	379.4	16564	0.0	:	:	:	:	0	100
110	-75.5	19	.0	371.7	16009		0.0	0	0.0	0.0	0		-76.8	18	.0	369.2	16013	0.0	:	:	:	:	0	110
120	-73.4	19	.0	366.4	15503		0.0	0	0.0	0.0	0		-74.2	17	.0	364.9	15508	0.0	:	:	:	:	0	120
130	-71.3	19	.0	361.8	15032		0.0	0	0.0	0.0	0		-73.7	17	.0	357.6	15041	0.0	:	:	:	:	0	130
140	-69.2	18	.0	357.9	14592		0.0	0	0.0	0.0	0		-71.0	17	.0	354.7	14605	0.0	:	:	:	:	0	140
150	-67.2	18	.0	354.3	14178		0.0	0	0.0	0.0	0		-68.7	17	.0	351.8	14194	0.0	:	:	:	:	0	150
160	-64.9	18	.0	351.7	13787		0.0	0	0.0	0.0	0		-65.6	17	.0	350.5	13805	0.0	:	:	:	:	0	160
170	-62.5	18	.0	349.8	13415		0.0	0	0.0	0.0	0		-62.8	17	.0	349.3	13434	0.0	:	:	:	:	0	170
180	-60.1	18	.0	347.9	13060		0.0	0	0.0	0.0	0		-60.0	17	.0	348.1	13080	0.0	:	:	:	:	0	180
190	-57.4	18	.0	347.0	12721		0.0	0	0.0	0.0	0		-57.2	17	.0	347.4	12740	0.0	:	:	:	:	0	190
200	-54.6	18	.0	346.4	12395		0.0	0	0.0	0.0	0		-54.5	16	.0	346.6	12413	0.0	:	:	:	:	0	200
225	-48.3	17	.0	344.7	11630		0.0	0	0.0	0.0	0		-48.3	16	.0	344.7	11649	0.0	:	:	:	:	0	225
250	-42.6	17	.1	343.0	10928		0.0	0	0.0	0.0	0		-42.3	15	.1	343.4	10946	0.0	:	:	:	:	0	250
275	-37.5	17	.1	341.3	10277		0.0	0	0.0	0.0	0		-36.9	14	.1	342.1	10294	0.0	:	:	:	:	0	275
300	-32.4	15	.1	340.2	9670		0.0	0	0.0	0.0	0		-32.0	14	.1	340.8	9685	0.0	:	:	:	:	0	300
325	-27.7	13	.2	339.1	9100		0.0	0	0.0	0.0	0		-27.4	13	.2	339.6	9115	0.0	:	:	:	:	0	325
350	-23.4	11	.2	338.0	8563		0.0	0	0.0	0.0	0		-23.3	13	.2	338.3	8577	0.0	:	:	:	:	0	350
375	-19.8	14	.3	336.6	8054		0.0	0	0.0	0.0	0		-19.5	14	.3	337.0	8068	0.0	:	:	:	:	0	375
400	-17.2	25	.6	335.0	7573		0.0	0	0.0	0.0	0		-16.0	15	.4	335.8	7585	0.0	:	:	:	:	0	400
425	-14.0	25	.8	333.7	7116		0.0	0	0.0	0.0	0		-13.3	32	1.0	335.6	7126	0.0	:	:	:	:	0	425
450	-10.8	16	.6	331.9	6679		0.0	0	0.0	0.0	0		-10.3	17	.6	332.7	6689	0.0	:	:	:	:	0	450
475	-8.2	13	.6	329.9	6261		0.0	0	0.0	0.0	0		-7.7	15	.7	330.9	6270	0.0	:	:	:	:	0	475
500	-5.8	11	.5	328.0	5862		0.0	0	0.0	0.0	0		-5.3	13	.7	329.0	5869	0.0	:	:	:	:	0	500
525	-3.6	17	.9	327.4	5478		0.0	0	0.0	0.0	0		-3.0	11	.7	327.2	5485	0.0	:	:	:	:	0	525
550	-1.7	26	1.6	327.7	5109		0.0	0	0.0	0.0	0		-.7	16	1.0	326.9	5115	0.0	:	:	:	:	0	550
575	.2	36	2.4	328.3	4754		0.0	0	0.0	0.0	0		1.5	22	1.6	327.3	4759	0.0	:	:	:	:	0	575
600	2.2	45	3.3	329.6	4411		0.0	0	0.0	0.0	0		3.3	23	1.9	326.3	4415	0.0	:	:	:	:	0	600
625	4.4	53	4.4	331.8	4080		0.0	0	0.0	0.0	0		4.7	19	1.6	323.5	4084	0.0	:	:	:	:	0	625
650	6.2	49	4.5	330.3	3759		0.0	0	0.0	0.0	0		7.0	23	2.2	324.3	3763	0.0	:	:	:	:	0	650
675	7.9	34	3.4	325.5	3449		0.0	0	0.0	0.0	0		9.1	27	2.9	325.3	3451	0.0	:	:	:	:	0	675
700	10.6	23	2.6	322.9	3148		0.0	0	0.0	0.0	0		11.2	31	3.6	326.6	3149	0.0	:	:	:	:	0	700
725	11.3	35	4.0	324.7	2855		10.6	20	2.2	318.4	2859		13.2	29	3.8	326.1	2855	0.0	:	:	:	:	0	725
750	13.1	23	2.9	320.1	2571		12.3	25	2.9	319.2	2576		13.5	33	4.3	324.9	2570	0.0	:	:	:	:	0	750
775	14.5	33	4.4	323.2	2295		13.9	29	3.7	320.3	2301		14.9	31	4.2	323.0	2293	0.0	:	:	:	:	0	775
800	15.5	51	7.1	329.1	2026		14.9	38	5.0	322.5	2033		15.1	39	5.3	323.7	2025	0.0	:	:	:	:	0	800
825	15.4	82	11.0	337.2	1764		15.2	54	7.1	326.0	1772		15.1	68	8.9	330.9	1764	0.0	:	:	:	:	0	825
850	16.3	84	11.7	337.2	1510		15.5	70	9.1	329.1	1518		17.6	92	13.9	345.1	1509	0.0	:	:	:	:	0	850
875	17.3	85	12.1	336.7	1262		17.2	65	9.1	328.4	1271		18.8	84	13.3	341.7	1260	0.0	:	:	:	:	0	875
900	18.3	85	12.6	336.4	1020		18.6	66	9.9	329.4	1030		20.0	79	12.9	339.4	1016	0.0	:	:	:	:	0	900
925	19.6	86	13.4	337.5	784		20.0	67	10.8	330.9	794		21.5	82	14.6	343.1	779	0.0	:	:	:	:	0	925
950	22.5	81	16.6	347.0	552		21.3	69	11.7	332.4	563		23.1	86	16.3	347.0	546	0.0	:	:	:	:	0	950
975	24.5	90	16.2	346.0	324		22.6	71	12.7	334.1	336		25.6	76	16.3	347.6	317	0.0	:	:	:	:	0	975
1000	26.6	79	17.6	349.9	101		27.7	79	18.8	354.6	113		28.1	76	18.5	354.5	93	0.0	:	:	:	:	0	1000
SFC.	27.8	92	21.9	362.0	0		30.3	83	22.8	368.0	0		29.4	88	23.0	367.6	0	0.0	:	:	:	:	0	SFC.
	SURFACE PRESSURE 1011.4						SURFACE PRESSURE 1012.7						SURFACE PRESSURE 1010.4						SURFACE PRESSURE					

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA CHRISTMAS ISLAND

3/ 5 7 5 GMT					3/ 5 1210 GMT					3/ 5 1830 GMT					3/ 6 0 8 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P					
60	-67.3	0	0.0	460.3	19559	-70.1	0	0.0	454.0	19365	-64.9	0	0.0	465.6	19604	-67.1	0	0.0	460.7	19429	60
70	-67.0	0	0.0	441.0	18624	-71.7	0	0.0	431.1	18452	-64.9	0	0.0	445.7	18667	-66.9	0	0.0	441.2	18499	70
80	-74.5	15	.0	409.1	17831	-76.7	0	0.0	404.6	17673	-72.6	0	0.0	413.0	17861	-74.0	24	.0	410.2	17701	80
90	-78.9	15	.0	386.8	17150	-76.7	0	0.0	391.2	16997	-76.4	17	.0	391.8	17180	-81.3	25	.0	381.9	17030	90
100	-81.2	15	.0	370.9	16557	-82.7	15	.0	368.0	16397	-80.7	17	.0	371.9	16579	-83.0	25	.0	367.4	16443	100
110	-79.1	15	.0	364.8	16018	-81.9	15	.0	359.6	15865	-77.6	17	.0	367.6	16039	-79.8	25	.0	363.5	15908	110
120	-77.3	14	.0	359.3	15522	-79.7	15	.0	354.8	15375	-74.3	17	.0	364.7	15536	-76.9	25	.0	359.9	15412	120
130	-73.9	14	.0	357.1	15059	-76.2	15	.0	353.0	14918	-72.9	17	.0	358.9	15070	-74.3	24	.0	356.5	14949	130
140	-70.5	14	.0	355.6	14623	-73.0	15	.0	351.2	14487	-69.9	17	.0	356.8	14632	-71.8	24	.0	353.4	14514	140
150	-67.3	15	.0	354.2	14210	-69.8	15	.0	350.0	14079	-67.0	17	.0	354.7	14218	-69.0	24	.0	351.3	14105	150
160	-64.3	15	.0	352.8	13818	-66.4	15	.0	349.2	13692	-63.4	17	.0	354.3	13825	-65.7	23	.0	350.5	13716	160
170	-61.5	15	.0	351.4	13445	-63.3	14	.0	348.3	13322	-60.0	16	.0	353.8	13450	-62.6	23	.0	349.6	13345	170
180	-58.0	14	.0	351.3	13088	-60.4	14	.0	347.5	12968	-57.8	16	.0	351.8	13091	-59.6	22	.0	348.8	12990	180
190	-54.3	13	.0	352.0	12744	-57.6	14	.0	346.7	12629	-55.7	16	.0	349.7	12749	-56.8	22	.0	347.9	12650	190
200	-51.7	13	.0	350.9	12414	-54.9	14	.0	346.0	12303	-52.9	16	.0	349.1	12420	-54.2	22	.0	347.0	12323	200
225	-45.9	12	.0	348.4	11640	-48.6	15	.0	344.2	11540	-46.6	15	.0	347.3	11649	-48.3	22	.0	344.7	11557	225
250	-40.6	11	.0	345.9	10930	-43.0	15	.1	342.4	10838	-40.8	15	.1	345.8	10941	-43.0	22	.1	342.5	10855	250
275	-35.8	10	.1	343.6	10275	-37.9	16	.1	340.7	10189	-35.3	15	.1	344.6	10285	-37.6	21	.1	341.2	10206	275
300	-30.8	10	.1	342.4	9664	-33.1	17	.1	339.3	9583	-29.8	15	.2	344.1	9672	-32.3	20	.2	340.5	9599	300
325	-26.2	10	.1	341.1	9090	-29.1	14	.1	337.1	9016	-25.3	14	.2	342.7	9095	-27.4	19	.2	339.8	9029	325
350	-23.1	10	.2	338.3	8551	-25.5	11	.2	335.0	8482	-22.5	15	.3	339.5	8555	-24.5	18	.3	336.8	8492	350
375	-19.5	10	.2	336.6	8042	-20.9	10	.2	334.7	7977	-18.4	15	.3	338.6	8044	-20.6	18	.4	335.8	7985	375
400	-15.7	10	.3	335.7	7559	-16.7	10	.3	334.3	7496	-14.6	14	.4	337.7	7559	-16.6	18	.5	335.2	7504	400
425	-12.4	10	.3	334.5	7099	-13.8	10	.3	332.5	7038	-11.0	14	.5	336.9	7097	-13.0	17	.6	334.5	7045	425
450	-9.2	10	.4	333.3	6660	-11.3	10	.4	330.5	6602	-10.4	16	.6	332.6	6657	-10.2	18	.7	333.2	6607	450
475	-8.2	17	.7	330.5	6241	-9.5	14	.5	328.2	6185	-9.6	20	.8	329.0	6241	-9.9	25	.9	329.1	6190	475
500	-6.0	18	.9	328.9	5841	-8.9	19	.7	324.7	5789	-7.7	24	1.0	327.4	5843	-8.7	30	1.2	326.6	5794	500
525	-3.5	17	.9	327.5	5458	-6.5	19	.8	323.6	5410	-4.7	26	1.3	327.4	5461	-6.0	31	1.4	326.3	5414	525
550	-1.3	24	1.5	327.8	5089	-3.9	20	1.0	323.0	5044	-1.9	25	1.5	327.1	5093	-3.4	32	1.8	326.1	5048	550
575	.4	47	3.2	331.2	4733	-1.1	33	2.0	325.5	4692	.6	24	1.7	326.6	4738	-.9	34	2.1	326.0	4694	575
600	1.6	51	3.6	329.8	4391	.8	37	2.5	325.4	4351	2.6	26	2.0	325.8	4395	1.3	35	2.5	325.8	4353	600
625	4.0	49	4.0	330.1	4060	2.5	38	2.8	324.3	4022	4.1	29	2.4	325.0	4064	3.4	36	2.8	325.6	4023	625
650	6.2	49	4.4	330.2	3739	4.3	50	4.0	326.7	3704	5.9	31	2.8	324.7	3745	5.3	38	3.2	325.5	3704	650
675	8.3	48	4.8	330.3	3429	6.2	50	4.4	326.4	3395	8.2	32	3.2	325.4	3434	7.2	39	3.7	325.5	3395	675
700	10.4	44	5.0	329.7	3127	8.1	48	4.6	326.0	3096	10.4	32	3.6	325.6	3133	9.0	40	4.1	325.6	3094	700
725	12.8	29	3.7	325.5	2834	10.1	33	3.5	321.6	2805	12.3	28	3.5	324.1	2840	10.8	38	4.3	324.8	2803	725
750	14.7	32	4.5	327.0	2548	13.3	14	1.8	316.9	2522	14.1	24	3.2	322.3	2555	12.7	28	3.4	321.3	2519	750
775	15.3	22	3.0	320.0	2271	14.5	16	2.1	316.4	2246	15.9	20	2.9	320.4	2278	14.2	27	3.5	320.3	2243	775
800	16.0	53	7.5	331.0	2001	14.6	37	4.8	321.6	1978	16.7	28	4.1	322.0	2008	15.4	34	4.7	322.3	1975	800
825	16.5	57	8.2	330.5	1739	12.4	69	7.6	324.1	1719	16.3	48	6.8	326.5	1746	15.4	43	5.7	322.3	1714	825
850	17.3	91	13.4	343.2	1484	13.5	80	9.2	326.9	1468	14.9	76	9.6	329.6	1493	14.6	55	6.8	321.5	1461	850
875	18.8	89	14.1	344.0	1235	15.7	87	11.2	332.1	1222	17.2	71	10.1	331.0	1246	15.2	75	9.3	326.4	1215	875
900	20.2	88	14.7	344.8	991	17.6	87	12.4	335.0	981	19.5	66	10.5	332.1	1004	16.9	74	10.0	327.6	975	900
925	21.6	87	15.4	345.5	753	19.6	87	13.6	338.0	745	20.6	71	11.9	334.6	767	18.6	73	10.7	328.8	740	925
950	23.0	85	16.0	346.2	520	21.5	87	14.9	341.3	514	21.5	74	12.7	335.3	535	20.3	72	11.3	330.0	510	950
975	24.3	84	16.7	347.0	292	23.3	87	16.3	344.6	287	23.3	71	13.3	336.6	309	22.8	73	13.2	335.7	285	975
1000	25.6	82	17.3	347.7	69	25.1	87	17.7	348.2	64	25.5	72	15.0	341.3	86	26.2	78	16.9	347.6	62	1000
SFC.	26.0	82	17.5	347.9	0	25.6	87	18.1	349.2	0	26.3	80	17.3	347.7	0	27.2	79	18.1	351.3	0	SFC.
				SURFACE PRESSURE	1007.8				SURFACE PRESSURE	1007.3				SURFACE PRESSURE	1009.8				SURFACE PRESSURE	1007.0	



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/ 6 1240 GMT					3/ 6 18 5 GMT					3/ 7 0 0 GMT					3/ 7 655 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-68.7	0	0.0	457.1	19376	0.0	0	0.0	0.0	0	-63.6	0	0.0	468.6	19525	-64.8	0	0.0	465.9	19506	60	
70	-71.8	0	0.0	430.8	18458	-67.3	0	0.0	440.4	18601	-68.5	0	0.0	437.9	18592	-69.2	32	.0	436.5	18577	70	
80	-77.1	25	.0	403.9	17672	-71.3	0	0.0	415.7	17802	-70.5	0	0.0	417.3	17799	-72.4	32	.0	413.4	17789	80	
90	-80.4	26	.0	383.8	17004	-78.0	18	.0	388.5	17117	-74.5	19	.0	395.6	17104	-78.3	32	.0	388.0	17104	90	
100	-83.8	26	.0	365.8	16420	-81.9	18	.0	369.5	16523	-80.9	20	.0	371.4	16501	-81.2	32	.0	370.9	16505	100	
110	-80.9	26	.0	361.5	15887	-79.3	18	.0	364.4	15985	-79.7	20	.0	363.7	15965	-80.1	32	.0	363.0	15968	110	
120	-78.3	25	.0	357.4	15394	-77.0	19	.0	359.8	15489	-76.8	20	.0	360.1	15468	-77.5	32	.0	358.9	15473	120	
130	-75.1	25	.0	354.9	14934	-73.9	19	.0	357.1	15025	-74.1	20	.0	356.7	15005	-74.3	33	.0	356.4	15011	130	
140	-72.0	24	.0	353.1	14500	-70.8	18	.0	355.2	14590	-71.7	20	.0	353.6	14570	-71.4	34	.0	354.0	14576	140	
150	-69.0	24	.0	351.3	14091	-67.8	18	.0	353.3	14178	-68.9	20	.0	351.5	14161	-68.5	34	.0	352.2	14166	150	
160	-66.2	24	.0	349.7	13702	-64.9	18	.0	351.8	13787	-65.8	20	.0	350.3	13772	-65.3	33	.0	351.2	13776	160	
170	-63.4	24	.0	348.3	13332	-62.0	18	.0	350.6	13415	-62.8	20	.0	349.3	13401	-62.3	32	.0	350.2	13404	170	
180	-60.7	24	.0	347.1	12979	-59.0	18	.0	349.7	13059	-59.7	19	.0	348.6	13046	-59.4	32	.0	349.2	13048	180	
190	-58.0	25	.0	346.1	12640	-56.2	18	.0	348.9	12717	-56.8	19	.0	347.9	12706	-56.7	31	.0	348.1	12708	190	
200	-55.4	25	.0	345.2	12315	-53.6	18	.0	348.1	12390	-54.1	18	.0	347.2	12379	-54.2	31	.0	347.1	12381	200	
225	-49.5	26	.0	342.8	11554	-47.5	17	.0	345.9	11622	-47.7	18	.0	345.7	11612	-47.8	31	.1	345.5	11615	225	
250	-44.3	27	.1	340.6	10856	-42.0	17	.1	343.9	10917	-41.9	18	.1	344.1	10908	-41.8	32	.1	344.5	10910	250	
275	-38.6	24	.1	339.8	10210	-37.1	17	.1	341.9	10265	-36.7	18	.1	342.5	10255	-37.0	31	.2	342.4	10258	275	
300	-32.9	19	.2	339.7	9605	-32.2	17	.1	340.6	9657	-31.9	18	.2	341.0	9646	-32.3	30	.3	340.8	9650	300	
325	-28.1	16	.2	338.8	9036	-27.0	16	.2	340.3	9086	-27.4	18	.2	339.9	9075	-27.7	30	.4	339.9	9080	325	
350	-24.1	14	.2	337.2	8499	-22.3	15	.3	339.9	8547	-22.4	17	.3	339.9	8537	-23.5	29	.5	339.0	8543	350	
375	-20.2	14	.3	336.0	7992	-18.3	15	.3	338.7	8036	-18.0	16	.4	339.3	8025	-19.4	29	.6	338.4	8034	375	
400	-16.2	14	.4	335.4	7510	-15.1	13	.4	336.9	7551	-15.0	14	.4	337.1	7540	-15.4	30	.9	338.2	7551	400	
425	-13.9	15	.5	332.9	7053	-13.0	14	.5	334.1	7091	-12.3	15	.5	335.2	7079	-13.3	29	.9	335.3	7091	425	
450	-11.0	14	.5	331.4	6615	-10.5	14	.5	332.1	6653	-10.1	16	.6	332.8	6640	-10.7	27	1.0	333.5	6654	450	
475	-10.2	16	.6	327.5	6200	-8.8	15	.6	329.4	6236	-8.3	15	.6	330.0	6222	-7.9	26	1.2	332.4	6236	475	
500	-8.4	18	.7	325.4	5803	-6.6	16	.7	327.6	5837	-6.1	14	.7	328.2	5823	-5.6	25	1.3	330.7	5835	500	
525	-5.7	17	.8	324.4	5423	-4.4	16	.9	326.3	5455	-3.1	16	.9	327.9	5439	-3.6	25	1.4	329.0	5452	525	
550	-3.2	24	1.3	324.9	5057	-2.9	20	1.1	324.6	5087	-1.4	17	1.1	326.2	5069	-.8	25	1.6	328.7	5082	550	
575	-.7	33	2.1	326.1	4703	.1	24	1.6	325.5	4733	.1	18	1.2	324.4	4714	.3	30	2.0	327.1	4726	575	
600	.9	36	2.5	325.4	4362	2.4	25	1.9	325.4	4391	2.7	20	1.6	324.6	4372	2.0	33	2.5	326.6	4384	600	
625	3.0	32	2.4	323.9	4033	3.9	24	2.0	323.4	4060	4.6	21	1.8	323.9	4040	3.8	37	3.0	326.5	4053	625	
650	5.0	28	2.4	322.4	3714	5.3	23	2.0	321.5	3741	6.2	22	2.0	322.8	3720	5.5	41	3.5	326.5	3734	650	
675	7.0	33	3.1	323.3	3405	6.8	39	3.6	324.6	3432	7.7	23	2.2	321.7	3410	7.1	44	4.1	326.7	3424	675	
700	8.9	42	4.3	325.8	3105	9.4	37	3.9	325.3	3131	10.1	22	2.5	321.8	3109	9.5	42	4.5	327.2	3124	700	
725	10.9	43	4.8	326.6	2814	12.2	31	3.8	324.9	2839	12.4	22	2.7	321.9	2816	12.3	38	4.7	327.6	2831	725	
750	13.1	33	4.1	323.9	2530	14.7	26	3.6	324.0	2554	14.6	21	2.9	322.0	2531	14.7	34	4.8	327.7	2546	750	
775	15.3	23	3.2	320.6	2253	16.3	22	3.3	321.9	2276	16.0	25	3.7	322.7	2254	16.0	35	5.1	327.0	2268	775	
800	16.3	33	4.8	323.4	1984	16.2	37	5.4	325.0	2006	16.7	32	4.7	323.7	1984	17.1	36	5.5	326.4	1997	800	
825	17.3	43	6.4	326.3	1722	14.5	72	9.1	330.8	1745	16.2	50	7.1	327.1	1722	15.9	73	10.1	335.2	1735	825	
850	15.2	74	9.5	329.7	1467	15.2	79	10.1	331.4	1492	16.2	65	8.9	329.4	1468	16.0	96	13.0	340.3	1481	850	
875	15.5	96	12.3	335.1	1221	16.7	74	10.2	330.7	1245	18.2	61	9.2	329.8	1220	17.5	97	14.0	342.1	1233	875	
900	17.6	91	12.9	336.3	980	18.4	73	10.8	331.8	1004	19.5	65	10.3	331.4	978	18.9	97	15.1	344.0	990	900	
925	19.5	86	13.4	337.3	744	20.5	72	11.8	334.1	767	20.6	69	11.4	333.4	741	20.3	98	16.2	346.0	753	925	
950	21.4	81	13.8	338.2	513	22.4	68	12.3	335.3	535	21.9	71	12.5	335.2	509	21.8	98	17.2	347.9	521	950	
975	23.3	76	14.2	338.9	286	22.9	78	14.2	338.6	309	23.8	67	12.8	335.8	282	23.7	90	17.2	347.7	294	975	
1000	25.1	71	14.5	339.3	64	25.5	76	15.8	343.6	86	28.7	68	17.0	351.0	59	25.7	83	17.6	348.6	71	1000	
SFC.	25.6	70	14.5	339.4	0	26.4	78	17.0	346.9	0	30.6	69	19.3	359.3	0	26.4	82	17.9	349.6	0	SFC.	
				SURFACE PRESSURE	1007.3				SURFACE PRESSURE	1009.8				SURFACE PRESSURE	1006.6				SURFACE PRESSURE	1008.0		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

P	T	3/ 7 935 GMT					3/ 7 1220 GMT					3/ 7 2015 GMT					3/ 8 125 GMT					P
		RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H		
60	-64.7	0	0.0	466.1	19583	-67.8	0	0.0	459.2	19435	0.0	0	0.0	0	0.0	0	0.0	0.0	0.0	0	60	
70	-69.2	0	0.0	436.3	18653	-72.8	0	0.0	428.7	18518	-70.1	0	0.0	434.3	18528	0.0	0	0.0	0.0	0	70	
80	-72.2	25	.0	413.8	17862	-74.1	0	0.0	409.9	17741	-75.3	25	.0	407.5	17742	0.0	0	0.0	0.0	0	80	
90	-76.3	25	.0	391.9	17175	-80.0	35	.0	384.7	17066	-77.5	27	.0	389.5	17059	0.0	0	0.0	0.0	0	90	
100	-79.8	25	.0	373.5	16574	-80.7	35	.0	371.8	16471	-81.2	27	.0	370.9	16465	0.0	0	0.0	0.0	0	100	
110	-79.5	25	.0	364.2	16034	-78.9	34	.0	365.2	15931	-81.2	27	.0	360.9	15929	0.0	0	0.0	0.0	0	110	
120	-76.8	25	.0	360.1	15538	-77.3	34	.0	359.2	15434	-77.7	27	.0	358.4	15435	0.0	0	0.0	0.0	0	120	
130	-73.8	24	.0	357.3	15074	-74.5	34	.0	356.0	14972	-74.6	27	.0	356.0	14973	0.0	0	0.0	0.0	0	130	
140	-71.1	23	.0	354.6	14639	-72.0	35	.0	353.1	14538	-71.6	26	.0	353.7	14539	0.0	0	0.0	0.0	0	140	
150	-68.3	23	.0	352.5	14228	-69.0	35	.0	351.3	14129	-68.9	26	.0	351.5	14129	0.0	0	0.0	0.0	0	150	
160	-65.0	23	.0	351.6	13837	-65.8	35	.0	350.3	13740	-66.1	26	.0	349.8	13741	0.0	0	0.0	0.0	0	160	
170	-61.9	22	.0	350.7	13465	-62.8	35	.0	349.3	13369	-63.2	26	.0	348.6	13370	0.0	0	0.0	0.0	0	170	
180	-59.0	22	.0	349.8	13109	-59.9	35	.0	348.3	13014	-60.5	26	.0	347.4	13017	0.0	0	0.0	0.0	0	180	
190	-56.3	21	.0	348.8	12768	-57.2	35	.0	347.4	12675	-57.9	27	.0	346.3	12678	0.0	0	0.0	0.0	0	190	
200	-53.7	21	.0	347.9	12440	-54.6	35	.0	346.4	12348	-55.4	27	.0	345.2	12353	0.0	0	0.0	0.0	0	200	
225	-47.1	20	.0	346.5	11672	-48.4	35	.1	344.6	11584	-49.0	27	.1	343.6	11591	0.0	0	0.0	0.0	0	225	
250	-41.2	19	.1	345.2	10965	-42.7	36	.1	343.1	10882	-42.9	26	.1	342.6	10890	-41.5	14	.1	344.7	10931	250	
275	-35.8	18	.1	343.8	10310	-37.5	37	.2	341.7	10231	-37.4	25	.1	341.6	10240	-35.9	14	.1	343.5	10277	275	
300	-30.9	17	.2	342.5	9699	-32.8	37	.3	340.4	9625	-32.4	25	.2	340.6	9633	-30.9	14	.1	342.4	9666	300	
325	-27.0	17	.2	340.4	9126	-28.4	38	.4	339.2	9056	-27.8	24	.3	339.6	9063	-26.1	14	.2	341.5	9093	325	
350	-22.6	16	.3	339.5	8587	-24.2	23	.4	337.5	8520	-23.6	24	.4	338.5	8526	-21.6	13	.3	340.7	8552	350	
375	-18.2	15	.4	338.9	8077	-19.9	20	.4	336.9	8013	-19.9	23	.5	337.1	8018	-17.5	13	.3	339.8	8039	375	
400	-14.1	13	.4	338.3	7591	-15.9	17	.5	336.1	7530	-16.4	22	.6	335.8	7535	-14.2	13	.4	338.2	7553	400	
425	-11.6	13	.5	336.0	7128	-12.9	16	.5	334.4	7071	-13.2	21	.7	334.6	7077	-10.9	12	.5	336.7	7090	425	
450	-9.5	14	.6	333.4	6689	-10.9	17	.6	331.9	6633	-10.4	20	.8	332.9	6639	-7.9	10	.5	335.2	6648	450	
475	-7.0	14	.7	331.8	6269	-8.3	18	.8	330.5	6216	-9.3	20	.8	329.3	6222	-6.7	12	.6	331.8	6227	475	
500	-4.2	13	.7	330.7	5867	-5.3	17	.9	329.8	5816	-6.1	19	.9	328.9	5823	-4.5	11	.6	329.9	5825	500	
525	-1.6	13	.8	329.6	5481	-3.6	16	.9	327.3	5431	-3.4	19	1.1	328.2	5439	-2.1	11	.7	328.3	5439	525	
550	.9	12	.9	328.5	5109	-.8	16	1.0	326.8	5062	-1.7	19	1.2	326.2	5070	.1	10	.7	326.8	5068	550	
575	2.4	13	1.0	326.5	4750	.1	19	1.3	324.5	4766	-1.8	30	1.7	323.8	4716	.7	15	1.0	324.4	4712	575	
600	3.7	15	1.3	324.8	4406	1.6	23	1.6	323.5	4365	.5	30	2.0	323.4	4376	2.4	18	1.4	323.7	4369	600	
625	5.8	17	1.6	324.6	4074	4.1	26	2.1	324.3	4035	2.8	30	2.3	323.1	4047	4.9	19	1.6	323.5	4038	625	
650	7.9	19	1.9	324.5	3752	6.3	25	2.3	323.7	3715	5.0	31	2.5	322.9	3728	7.0	18	1.7	322.8	3717	650	
675	9.5	20	2.2	323.6	3440	8.3	25	2.5	323.2	3404	7.0	31	2.9	322.8	3419	9.1	18	1.9	322.2	3406	675	
700	11.1	19	2.3	322.3	3137	10.3	24	2.7	322.7	3103	9.0	31	3.2	322.7	3119	11.1	17	2.0	321.5	3104	700	
725	13.6	16	2.2	321.6	2844	12.3	23	2.9	322.3	2810	11.0	31	3.5	322.7	2828	13.1	16	2.1	320.9	2810	725	
750	15.7	15	2.2	320.8	2557	13.9	24	3.2	321.8	2525	12.6	32	3.9	322.7	2544	14.8	16	2.3	320.1	2525	750	
775	16.7	17	2.6	320.2	2279	15.1	26	3.6	321.5	2248	14.1	34	4.4	322.7	2268	15.2	33	4.6	324.6	2248	775	
800	17.7	19	3.0	319.7	2009	16.0	32	4.5	322.3	1979	15.5	35	4.9	322.8	2000	16.0	62	8.9	335.0	1978	800	
825	15.6	43	5.8	322.8	1746	14.6	79	10.0	333.5	1718	17.0	37	5.4	323.1	1738	17.3	64	9.6	335.7	1716	825	
850	16.2	96	13.2	341.3	1492	15.2	94	12.1	337.0	1465	14.4	68	8.3	325.4	1485	18.8	61	9.9	335.2	1459	850	
875	18.4	92	14.2	343.9	1244	17.0	89	12.5	337.5	1218	16.4	65	8.7	326.3	1238	19.0	69	11.0	335.8	1210	875	
900	20.1	89	14.9	345.1	1000	18.6	87	13.2	338.3	976	18.3	62	9.2	327.0	998	19.9	73	11.9	336.4	967	900	
925	21.8	87	15.6	346.3	762	19.7	91	14.3	340.1	739	19.6	68	10.7	330.0	762	21.2	72	12.5	337.0	730	925	
950	23.4	84	16.2	347.4	529	21.0	93	15.5	342.2	508	20.8	75	12.4	333.5	531	22.5	72	13.1	337.6	497	950	
975	25.0	81	16.9	348.4	301	23.5	85	16.1	344.3	281	22.8	71	12.9	334.7	305	23.8	71	13.7	338.3	270	975	
1000	26.3	80	17.5	349.2	77	25.7	82	17.3	347.9	58	25.7	72	15.2	342.2	83	25.4	76	15.7	343.0	48	1000	
SFC.	26.1	83	17.8	348.8	0	26.2	83	17.9	349.6	0	27.3	80	18.4	352.0	0	26.2	85	18.4	351.0	0	SFC.	
				SURFACE PRESSURE	1008.7				SURFACE PRESSURE	1006.6				SURFACE PRESSURE	1009.4				SURFACE PRESSURE	1005.4		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/ 8 710 GMT							3/ 8 1230 GMT				3/ 8 1525 GMT					3/ 8 18 0 GMT				P		
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-68.2	0	0.0	458.3	19611	-69.0	0	0.0	456.5	19448	0.0	0	0.0	0.0	0	-67.5	0	0.0	459.8	19613	60	
70	-69.0	0	0.0	436.8	18684	-67.2	0	0.0	440.6	18525	0.0	0	0.0	0.0	0	-67.7	0	0.0	439.7	18684	70	
80	-73.3	0	0.0	411.6	17892	-71.3	0	0.0	415.7	17730	0.0	0	0.0	0.0	0	-70.6	0	0.0	417.2	17890	80	
90	-80.0	20	.0	384.6	17216	-80.9	0	0.0	382.9	17051	0.0	0	0.0	0.0	0	-75.7	18	.0	393.1	17198	90	
100	-79.0	20	.0	375.1	16618	-82.3	20	.0	368.7	16462	0.0	0	0.0	0.0	0	-78.0	19	.0	377.1	16593	100	
110	-77.9	20	.0	367.1	16076	-81.3	20	.0	360.6	15930	0.0	0	0.0	0.0	0	-80.1	19	.0	363.0	16053	110	
120	-75.3	21	.0	362.9	15575	-78.3	20	.0	357.3	15438	0.0	0	0.0	0.0	0	-76.5	19	.0	360.6	15557	120	
130	-72.1	23	.0	360.4	15107	-75.5	20	.0	354.3	14978	0.0	0	0.0	0.0	0	-72.9	19	.0	358.9	15091	130	
140	-69.1	24	.0	358.1	14667	-72.4	19	.0	352.3	14545	0.0	0	0.0	0.0	0	-71.0	19	.0	354.8	14655	140	
150	-65.6	22	.0	357.2	14252	-69.2	19	.0	350.9	14137	0.0	0	0.0	0.0	0	-67.0	21	.0	354.8	14242	150	
160	-62.8	20	.0	355.3	13857	-66.0	19	.0	350.0	13748	0.0	0	0.0	0.0	0	-63.3	21	.0	354.5	13849	160	
170	-61.1	20	.0	352.1	13482	-62.9	19	.0	349.1	13377	0.0	0	0.0	0.0	0	-61.4	21	.0	351.6	13474	170	
180	-59.4	20	.0	349.1	13125	-60.0	18	.0	348.1	13023	0.0	0	0.0	0.0	0	-58.4	20	.0	350.8	13118	180	
190	-57.9	20	.0	346.2	12786	-57.3	18	.0	347.2	12683	0.0	0	0.0	0.0	0	-55.3	20	.0	350.5	12775	190	
200	-53.8	19	.0	347.6	12459	-54.7	18	.0	346.3	12357	0.0	0	0.0	0.0	0	-52.3	19	.0	350.1	12445	200	
225	-47.3	18	.0	346.3	11690	-48.6	18	.0	344.3	11593	-48.4	21	.0	344.6	11617	-46.4	18	.0	347.6	11673	225	
250	-41.8	22	.1	344.3	10985	-42.6	17	.1	343.0	10891	-43.1	21	.1	342.3	10916	-41.7	18	.1	344.4	10966	250	
275	-36.0	20	.1	343.6	10331	-37.8	19	.1	340.9	10241	-37.5	20	.1	341.4	10266	-36.2	17	.1	343.2	10313	275	
300	-30.7	19	.2	342.9	9720	-33.0	17	.1	339.4	9635	-32.3	18	.2	340.6	9659	-30.9	16	.2	342.5	9702	300	
325	-25.8	17	.2	342.2	9146	-28.6	15	.2	337.9	9067	-27.5	17	.2	339.7	9089	-27.1	16	.2	340.1	9129	325	
350	-21.2	15	.3	341.4	8604	-23.8	15	.2	337.6	8531	-23.1	16	.3	338.8	8551	-22.5	16	.3	339.6	8590	350	
375	-17.0	14	.4	340.7	8091	-19.1	14	.3	337.6	8023	-19.0	15	.3	337.9	8041	-18.2	15	.4	339.0	8079	375	
400	-13.6	13	.4	339.0	7603	-14.7	14	.4	337.6	7538	-15.4	16	.4	336.8	7557	-14.1	15	.5	338.5	7594	400	
425	-10.8	14	.5	337.3	7140	-12.9	15	.5	334.2	7078	-13.2	23	.8	334.9	7097	-11.4	17	.6	336.7	7131	425	
450	-7.0	15	.8	337.3	6697	-9.8	14	.6	333.0	6640	-9.6	18	.7	333.9	6659	-8.2	16	.7	335.7	6690	450	
475	-5.4	13	.7	333.9	6275	-7.1	13	.6	331.4	6220	-7.1	16	.8	332.1	6239	-5.1	15	.8	334.7	6268	475	
500	-3.2	12	.7	331.8	5871	-5.4	12	.6	328.7	5819	-5.0	17	.9	330.1	5838	-2.9	15	.9	333.0	5863	500	
525	-.5	12	.8	330.9	5483	-3.1	12	.7	327.2	5435	-2.6	15	.9	328.7	5453	-1.4	16	1.0	330.5	5476	525	
550	1.8	13	1.0	329.9	5110	-.9	12	.8	325.8	5066	0.0	13	.9	327.3	5082	.9	15	1.1	329.0	5104	550	
575	2.7	16	1.3	327.6	4751	-.1	16	1.0	323.5	4711	.7	19	1.3	325.3	4726	1.5	18	1.3	326.4	4746	575	
600	3.6	19	1.6	325.8	4406	2.2	15	1.1	322.6	4369	2.6	20	1.5	324.5	4384	3.4	18	1.5	325.2	4403	600	
625	6.7	16	1.6	325.7	4073	4.5	14	1.2	321.7	4038	5.3	19	1.7	324.3	4052	5.8	18	1.6	324.7	4070	625	
650	9.6	14	1.6	325.3	3750	6.6	14	1.3	320.8	3718	7.1	20	1.9	323.5	3731	8.2	17	1.7	324.2	3748	650	
675	11.3	14	1.7	324.1	3436	8.6	13	1.4	320.1	3407	8.8	21	2.2	322.8	3420	10.4	16	1.9	323.6	3436	675	
700	12.5	15	1.9	322.7	3132	10.5	15	1.7	319.7	3106	10.5	22	2.4	322.2	3118	11.4	18	2.2	322.5	3133	700	
725	13.6	16	2.1	321.5	2838	12.2	16	2.0	319.4	2813	12.1	22	2.7	321.6	2825	12.6	22	2.7	322.2	2840	725	
750	15.3	16	2.3	320.8	2552	13.9	17	2.3	319.2	2528	13.5	31	4.0	323.8	2541	14.2	26	3.5	323.4	2554	750	
775	17.1	16	2.5	320.5	2274	14.9	27	3.6	321.4	2251	14.5	58	7.7	333.0	2264	15.8	31	4.5	325.0	2277	775	
800	18.2	36	5.9	329.0	2002	11.8	37	4.0	315.9	1984	15.5	84	11.7	342.3	1994	16.1	62	8.9	335.0	2007	800	
825	18.9	64	10.7	340.5	1738	14.2	85	10.6	334.4	1726	16.7	96	14.1	347.3	1732	17.9	56	8.9	334.1	1744	825	
850	17.4	70	10.4	334.8	1482	16.6	97	13.7	343.0	1471	17.9	96	14.8	348.0	1476	18.6	69	11.0	338.1	1488	850	
875	18.7	92	14.5	345.1	1233	18.3	95	14.5	344.6	1223	19.2	96	15.6	348.7	1226	19.4	81	13.1	342.1	1238	875	
900	20.4	96	16.3	349.4	989	20.0	93	15.4	346.2	979	20.4	97	16.4	349.5	982	20.5	82	14.0	343.2	994	900	
925	22.0	94	17.2	351.0	751	21.6	91	16.3	347.9	741	21.6	97	17.2	350.4	743	21.7	82	14.6	343.5	756	925	
950	23.6	92	18.1	352.8	517	23.2	90	17.1	349.5	508	22.7	97	18.0	351.2	510	23.0	81	15.3	344.4	523	950	
975	25.7	87	18.9	354.9	288	24.7	88	18.0	351.2	280	24.3	94	18.7	352.5	282	24.6	83	16.8	347.9	295	975	
1000	27.6	82	19.6	356.7	63	26.2	86	18.9	352.8	56	26.0	89	19.3	353.7	58	26.2	85	18.4	351.5	72	1000	
SFC.	28.2	81	19.7	357.1	0	26.6	86	19.1	353.2	0	26.5	88	19.4	354.0	0	26.7	85	18.9	352.8	0	SFC.	
				SURFACE PRESSURE	1007.1				SURFACE PRESSURE	1006.3				SURFACE PRESSURE	1006.6				SURFACE PRESSURE	1008.1		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/ 8 2127 GMT					3/ 9 0 5 GMT					3/ 9 3 0 GMT					3/ 9 623 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P						
60	-67.1	0	0.0	460.7	19528	-71.9	0	0.0	450.0	19479	-73.0	0	0.0	447.5	19470	0.0	0	0.0	0.0	0	60	
70	-69.8	0	0.0	435.2	18610	-69.9	0	0.0	434.8	18565	-69.9	0	0.0	434.8	18559	0.0	0	0.0	0.0	0	70	
80	-72.2	0	0.0	413.8	17815	-74.7	24	.0	408.7	17776	-72.1	25	.0	414.0	17763	0.0	0	0.0	0.0	0	80	
90	-75.2	21	.0	394.2	17124	-79.2	24	.0	386.2	17094	-78.4	24	.0	387.8	17083	0.0	0	0.0	0.0	0	90	
100	-80.7	22	.0	371.8	16525	-80.5	25	.0	372.2	16499	-80.4	25	.0	372.4	16485	0.0	0	0.0	0.0	0	100	
110	-80.2	22	.0	362.7	15989	-80.8	25	.0	361.6	15962	-80.4	25	.0	362.5	15949	0.0	0	0.0	0.0	0	110	
120	-77.9	22	.0	358.1	15494	-78.2	25	.0	357.6	15469	-78.7	25	.0	356.6	15455	0.0	0	0.0	0.0	0	120	
130	-74.7	22	.0	355.6	15033	-74.5	24	.0	356.1	15008	-75.2	25	.0	354.9	14995	0.0	0	0.0	0.0	0	130	
140	-71.5	22	.0	353.9	14599	-71.1	24	.0	354.5	14573	-71.9	25	.0	353.2	14562	0.0	0	0.0	0.0	0	140	
150	-68.4	22	.0	352.3	14188	-67.8	24	.0	353.3	14162	-68.6	25	.0	352.0	14152	0.0	0	0.0	0.0	0	150	
160	-65.3	22	.0	351.2	13798	-64.7	24	.0	352.1	13771	-65.4	24	.0	350.9	13762	0.0	0	0.0	0.0	0	160	
170	-62.3	22	.0	350.0	13427	-61.8	24	.0	350.8	13398	-62.5	24	.0	349.8	13391	0.0	0	0.0	0.0	0	170	
180	-59.6	21	.0	348.9	13071	-59.1	23	.0	349.7	13042	-59.7	23	.0	348.7	13036	0.0	0	0.0	0.0	0	180	
190	-56.9	21	.0	347.8	12731	-56.5	23	.0	348.5	12791	-57.0	22	.0	347.7	12696	0.0	0	0.0	0.0	0	190	
200	-54.4	21	.0	346.7	12404	-54.0	23	.0	347.3	12374	-54.4	22	.0	346.8	12369	0.0	0	0.0	0.0	0	200	
225	-47.9	20	.0	345.4	11639	-48.0	22	.0	345.1	11608	-48.5	21	.0	344.4	11604	0.0	0	0.0	0.0	0	225	
250	-42.4	19	.1	343.3	10935	-42.5	21	.1	343.2	10995	-42.4	20	.1	343.3	10902	0.0	0	0.0	0.0	0	250	
275	-38.0	19	.1	340.6	10285	-37.5	20	.1	341.4	10254	-37.0	20	.1	342.1	10251	0.0	0	0.0	0.0	0	275	
300	-32.6	19	.2	340.1	9679	-32.3	20	.2	340.5	9647	-32.2	19	.2	340.7	9643	0.0	0	0.0	0.0	0	300	
325	-27.4	18	.2	339.8	9109	-27.3	20	.3	340.1	9077	-27.7	19	.2	339.4	9073	0.0	0	0.0	0.0	0	325	
350	-23.9	19	.3	337.8	8572	-23.9	20	.3	337.8	8540	-24.1	20	.3	337.6	8536	0.0	0	0.0	0.0	0	350	
375	-19.0	17	.4	338.0	8064	-19.6	19	.4	337.3	8032	-19.6	19	.4	337.3	8028	0.0	0	0.0	0.0	0	375	
400	-14.5	16	.5	338.1	7579	-15.5	18	.5	336.8	7549	-15.4	18	.5	337.0	7545	0.0	0	0.0	0.0	0	400	
425	-10.9	17	.6	337.4	7116	-11.8	18	.7	336.3	7088	-12.3	18	.6	335.6	7084	0.0	0	0.0	0.0	0	425	
450	-9.1	19	.8	334.8	6675	-8.9	18	.8	334.9	6648	-10.3	26	1.0	334.0	6645	0.0	0	0.0	0.0	0	450	
475	-6.0	18	.9	334.0	6255	-6.5	17	.9	333.1	6227	-7.3	19	.9	332.1	6227	0.0	0	0.0	0.0	0	475	
500	-3.5	18	1.0	332.6	5851	-4.2	17	1.0	331.4	5824	-5.0	18	.9	330.3	5825	-5.3	16	.8	329.6	5819	500	
525	-1.7	17	1.1	330.3	5464	-2.7	20	1.2	329.3	5439	-2.9	18	1.1	328.7	5440	-3.1	14	.8	327.7	5434	525	
550	-.6	21	1.4	328.1	5093	-1.4	22	1.4	327.3	5069	-1.0	30	1.9	329.4	5071	-1.9	23	1.4	326.8	5065	550	
575	.4	24	1.6	326.0	4737	-.1	25	1.6	325.4	4714	1.2	27	2.0	328.2	4715	.4	19	1.3	324.8	4710	575	
600	2.2	24	1.8	324.7	4395	2.2	23	1.7	324.5	4372	3.4	25	2.0	326.9	4371	.3	36	2.4	324.4	4369	600	
625	4.7	21	1.8	324.0	4064	4.6	20	1.7	323.6	4041	5.4	23	2.1	325.7	4039	2.2	31	2.2	322.2	4041	625	
650	7.0	19	1.9	323.2	3743	6.9	19	1.8	323.0	3720	7.4	21	2.1	324.4	3717	5.3	24	2.0	321.7	3722	650	
675	9.3	17	1.9	322.4	3432	9.1	18	2.0	322.4	3409	9.4	19	2.1	323.1	3406	8.2	17	1.7	320.7	3413	675	
700	10.6	19	2.2	321.6	3130	10.8	19	2.2	321.9	3197	11.1	21	2.5	323.1	3103	9.1	15	1.6	317.9	3112	700	
725	12.0	23	2.7	321.5	2837	12.4	21	2.6	321.6	2814	12.8	24	3.0	323.3	2810	11.0	18	2.1	318.4	2821	725	
750	13.5	28	3.6	322.6	2553	13.8	23	3.0	321.4	2530	14.4	26	3.6	323.7	2524	13.0	22	2.7	319.6	2537	750	
775	15.0	32	4.4	323.9	2276	15.3	25	3.5	321.4	2253	16.0	28	4.2	324.2	2247	13.3	34	4.3	321.4	2262	775	
800	15.3	60	8.2	332.2	2007	16.1	36	5.1	324.2	1983	16.0	60	8.6	334.0	1977	13.7	80	9.8	334.7	1994	800	
825	16.2	69	9.8	334.8	1745	16.1	59	8.3	330.3	1722	16.3	75	10.7	337.3	1715	15.5	75	10.1	334.8	1733	825	
850	17.7	62	9.3	332.2	1490	17.6	62	9.2	331.9	1467	16.9	83	11.9	338.3	1460	17.4	74	11.0	336.5	1478	850	
875	18.5	66	10.2	332.9	1242	17.0	72	10.1	330.6	1219	18.3	78	11.9	337.4	1211	17.0	91	12.8	338.1	1230	875	
900	19.8	69	11.1	334.3	999	18.8	70	10.7	331.8	977	19.7	74	12.0	336.6	968	18.1	95	14.0	340.0	988	900	
925	21.0	71	12.0	335.3	762	20.2	71	11.6	333.3	741	20.8	80	13.4	339.1	731	19.8	95	15.1	342.5	752	925	
950	22.0	74	13.1	337.0	530	21.2	75	12.6	334.6	509	22.3	82	14.7	341.8	499	21.5	95	16.4	345.2	520	950	
975	23.4	85	16.0	344.0	303	24.1	71	13.9	339.2	283	24.6	78	15.7	344.5	271	22.4	92	16.3	343.5	293	975	
1000	25.8	75	16.0	344.5	80	26.9	68	15.3	343.9	59	26.7	74	16.5	347.1	48	24.9	84	16.8	345.5	71	1000	
SFC.	27.2	72	16.4	346.5	0	27.6	67	15.7	345.2	0	27.2	73	16.7	347.7	0	26.2	81	17.5	348.1	0	SFC.	
				SURFACE PRESSURE	1009.1				SURFACE PRESSURE	1006.7				SURFACE PRESSURE	1005.4				SURFACE PRESSURE	1008.1		

A-134

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/ 9 925 GMT					3/ 9 1145 GMT					3/ 9 18 0 GMT					3/10 0 0 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P					
60	-74.6	0	0.0	444.0	19457	-63.7	0	0.0	468.4	19450	-67.8	0	0.0	459.2	19494	-65.7	0	0.0	463.8	19553	60
70	-74.8	0	0.0	424.4	18563	-75.8	0	0.0	422.3	18540	-73.5	0	0.0	427.2	18588	-72.8	0	0.0	428.6	18634	70
80	-74.5	15	.0	409.2	17785	-75.0	0	0.0	408.1	17763	-72.0	0	0.0	414.3	17802	-71.0	0	0.0	416.3	17847	80
90	-80.2	15	.0	384.3	17107	-78.2	22	.0	388.2	17084	-77.7	21	.0	389.1	17117	-75.8	13	.0	392.9	17159	90
100	-78.5	15	.0	376.1	16509	-79.4	22	.0	374.3	16486	-78.7	21	.0	375.7	16519	-80.1	12	.0	373.0	16560	100
110	-80.2	15	.0	362.7	15969	-77.9	22	.0	367.2	15942	-79.3	21	.0	364.5	15974	-78.1	12	.0	366.7	16018	110
120	-79.8	16	.0	354.7	15478	-78.9	22	.0	356.3	15447	-76.7	21	.0	360.2	15477	-75.2	12	.0	363.1	15518	120
130	-75.4	17	.0	354.4	15021	-76.4	22	.0	352.6	14990	-74.4	20	.0	356.3	15014	-72.5	11	.0	359.7	15050	130
140	-69.8	15	.0	356.9	14583	-72.9	21	.0	351.4	14559	-72.0	20	.0	352.9	14580	-70.0	11	.0	356.5	14612	140
150	-67.2	15	.0	354.3	14170	-69.3	21	.0	350.7	14151	-68.6	20	.0	351.9	14170	-67.4	11	.0	354.0	14199	150
160	-64.1	15	.0	353.2	13778	-65.7	21	.0	350.4	13762	-65.4	20	.0	350.9	13780	-64.6	11	.0	352.3	13808	160
170	-61.0	15	.0	352.2	13404	-62.4	20	.0	349.9	13391	-62.4	20	.0	349.8	13409	-61.9	12	.0	350.7	13435	170
180	-58.2	15	.0	351.2	13046	-59.2	20	.0	349.5	13036	-59.6	20	.0	348.8	13054	-59.4	12	.0	349.1	13079	180
190	-55.4	15	.0	350.2	12704	-56.2	20	.0	349.0	12694	-56.9	20	.0	347.8	12714	-56.4	12	.0	348.5	12739	190
200	-53.7	15	.0	347.8	12375	-54.4	20	.0	346.8	12367	-54.4	20	.0	346.8	12387	-53.6	11	.0	347.9	12411	200
225	-48.7	14	.0	344.1	11611	-49.1	20	.0	343.5	11604	-48.2	20	.0	344.8	11622	-47.2	11	.0	346.3	11643	225
250	-43.1	14	.0	342.3	10909	-43.4	19	.1	341.9	10904	-42.7	18	.1	342.9	10919	-41.5	11	.0	344.6	10937	250
275	-38.3	14	.1	340.0	10261	-38.2	19	.1	340.3	10255	-37.3	18	.1	341.7	10269	-36.3	10	.1	342.9	10283	275
300	-33.3	12	.1	338.9	9656	-33.5	18	.1	338.8	9651	-32.4	18	.2	340.4	9661	-31.1	10	.1	341.9	9673	300
325	-28.1	12	.1	338.5	9088	-28.6	18	.2	338.1	9083	-27.8	18	.2	339.2	9092	-26.9	10	.1	340.1	9101	325
350	-23.3	11	.2	338.1	8550	-23.6	17	.3	338.1	8547	-23.4	18	.3	338.4	8554	-22.2	10	.2	339.5	8561	350
375	-19.4	11	.2	336.8	8042	-19.7	17	.4	336.9	8038	-19.2	18	.4	337.8	8045	-18.0	10	.2	338.8	8050	375
400	-15.8	10	.3	335.6	7559	-15.8	17	.5	336.3	7556	-15.2	18	.5	337.2	7561	-14.1	10	.3	337.9	7564	400
425	-12.4	10	.3	334.4	7099	-12.0	16	.6	335.8	7095	-11.4	18	.7	337.0	7100	-11.4	10	.4	335.8	7102	425
450	-10.4	12	.4	331.9	6660	-9.3	16	.7	334.1	6655	-8.6	16	.7	335.1	6659	-8.4	10	.5	334.5	6660	450
475	-8.2	13	.6	330.0	6243	-7.7	17	.8	331.3	6236	-7.2	18	.8	332.0	6239	-6.9	10	.5	331.3	6240	475
500	-4.9	12	.6	329.4	5842	-5.0	16	.8	330.1	5835	-4.2	17	1.0	331.4	5837	-4.5	10	.5	329.6	5838	500
525	-2.4	11	.7	328.1	5457	-2.4	15	.9	328.9	5450	-1.8	17	1.1	330.2	5451	-1.7	10	.6	328.7	5452	525
550	-1.5	14	.8	325.4	5087	-1.6	17	1.1	326.0	5080	-1.3	21	1.3	327.1	5080	.2	10	.7	327.0	5081	550
575	.6	13	.9	323.8	4732	.1	19	1.3	324.6	4725	-.1	22	1.4	324.8	4726	1.4	10	.7	324.3	4724	575
600	2.7	12	.9	322.5	4389	2.0	23	1.7	324.2	4383	1.6	32	2.2	325.5	4384	2.4	10	.8	321.6	4381	600
625	4.9	11	.9	321.4	4058	4.7	23	2.0	324.4	4052	3.9	29	2.3	324.7	4054	4.4	10	.8	320.4	4050	625
650	7.0	10	1.0	320.3	3737	6.5	20	1.9	322.6	3732	6.1	26	2.4	323.8	3734	6.7	10	.9	319.8	3730	650
675	9.1	10	1.1	319.5	3426	8.3	18	1.8	321.0	3421	8.2	24	2.4	322.9	3424	8.8	10	1.0	319.1	3420	675
700	11.2	10	1.2	318.9	3124	10.0	16	1.8	319.4	3120	10.3	22	2.4	321.9	3122	10.8	10	1.2	318.4	3118	700
725	11.6	10	1.2	316.2	2832	11.9	18	2.1	319.5	2828	12.3	19	2.4	320.8	2830	12.8	10	1.3	317.8	2825	725
750	12.7	15	1.8	316.3	2548	13.5	43	5.5	328.5	2543	12.4	37	4.4	324.0	2546	13.2	54	6.9	332.0	2540	750
775	14.3	22	2.8	318.3	2273	15.3	36	5.0	326.0	2266	11.7	56	6.3	325.3	2271	14.7	56	7.5	332.5	2263	775
800	15.7	40	5.6	325.0	2004	16.6	39	5.7	326.5	1997	13.5	85	10.3	335.9	2004	16.0	58	8.4	333.4	1994	800
825	15.4	69	9.2	332.2	1742	15.4	86	11.5	338.5	1735	15.0	93	12.3	340.2	1743	16.9	69	10.1	336.5	1731	825
850	16.2	94	12.9	340.5	1488	16.5	97	13.5	342.5	1480	16.5	90	12.5	339.7	1489	17.0	57	8.2	328.2	1476	850
875	17.0	90	12.6	337.7	1240	18.3	96	14.6	344.8	1232	17.5	85	12.4	337.7	1241	18.4	58	8.8	328.9	1228	875
900	18.5	92	13.9	340.2	998	19.5	96	15.5	345.8	988	18.1	83	12.2	335.0	999	19.7	59	9.5	329.5	986	900
925	20.1	94	15.2	342.9	761	20.7	97	16.3	346.9	751	19.9	90	14.4	340.7	763	20.9	63	10.6	331.6	749	925
950	22.0	92	16.4	345.8	529	22.3	95	17.2	348.4	519	21.7	95	16.7	346.4	531	22.2	68	12.1	334.5	517	950
975	23.8	91	17.6	348.9	302	24.2	91	17.9	350.2	291	23.7	91	17.5	348.6	303	24.5	68	13.5	338.6	290	975
1000	25.9	89	19.0	352.7	79	26.0	86	18.6	351.9	67	25.7	87	18.3	350.6	80	26.7	67	15.0	342.9	66	1000
SFC.	26.6	88	19.5	354.0	0	26.6	85	18.8	352.4	0	26.4	85	18.6	351.3	0	27.4	67	15.5	344.3	0	SFC.
				SURFACE PRESSURE	1008.9				SURFACE PRESSURE	1007.6				SURFACE PRESSURE	1009.1				SURFACE PRESSURE	1007.5	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/10 6 2 GMT						3/10 1135 GMT						3/10 1450 GMT						3/10 1732 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-64.3	0	0.0	467.0	19507	-69.7	0	0.0	454.9	19309	-68.1	0	0.0	458.5	19470	-68.5	0	0.0	457.6	19447	60		
70	-73.4	0	0.0	427.4	18595	-76.8	0	0.0	420.2	18401	-74.5	0	0.0	425.0	18547	-73.4	0	0.0	427.4	18523	70		
80	-74.2	0	0.0	409.7	17813	-75.8	23	.0	406.4	17633	-73.4	15	.0	411.5	17770	-72.1	0	0.0	414.0	17739	80		
90	-80.2	22	.0	384.3	17142	-84.5	24	.0	375.7	16965	-82.0	15	.0	380.6	17094	-79.8	0	0.0	385.0	17056	90		
100	-79.7	22	.0	373.8	16546	-81.6	24	.0	370.1	16378	-81.1	15	.0	371.1	16503	-81.7	20	.0	369.9	16465	100		
110	-80.3	22	.0	362.7	16007	-80.9	23	.0	361.5	15843	-78.7	15	.0	365.5	15963	-77.9	20	.0	367.1	15925	110		
120	-77.9	22	.0	358.1	15513	-79.2	23	.0	355.6	15352	-77.6	15	.0	358.6	15466	-78.1	21	.0	357.7	15428	120		
130	-74.7	22	.0	355.7	15052	-76.3	22	.0	352.9	14894	-74.7	15	.0	355.6	15005	-74.8	20	.0	355.6	14966	130		
140	-71.1	21	.0	354.5	14617	-73.1	22	.0	351.0	14463	-71.3	15	.0	354.2	14571	-71.6	20	.0	353.6	14533	140		
150	-67.8	21	.0	353.4	14206	-69.8	21	.0	349.9	14056	-68.1	15	.0	352.7	14160	-68.4	20	.0	352.3	14122	150		
160	-64.6	21	.0	352.3	13815	-66.7	21	.0	348.8	13668	-65.2	15	.0	351.3	13769	-65.4	20	.0	350.9	13732	160		
170	-61.5	20	.0	351.3	13442	-63.7	21	.0	347.7	13299	-62.1	14	.0	350.3	13397	-62.6	20	.0	349.6	13361	170		
180	-58.7	20	.0	350.3	13085	-61.0	20	.0	346.6	12946	-59.2	13	.0	349.4	13042	-59.9	20	.0	348.3	13006	180		
190	-56.0	20	.0	349.3	12743	-58.3	20	.0	345.6	12608	-56.5	13	.0	348.5	12701	-57.4	20	.0	347.0	12667	190		
200	-53.4	19	.0	348.3	12415	-55.6	20	.0	344.8	12283	-53.8	12	.0	347.6	12373	-54.8	20	.0	346.1	12341	200		
225	-47.5	19	.0	346.0	11647	-49.6	19	.0	342.6	11523	-47.7	11	.0	345.6	11606	-48.4	19	.0	344.5	11577	225		
250	-42.2	20	.1	343.7	10942	-44.2	19	.1	340.6	10825	-42.1	10	.0	343.7	10902	-42.8	18	.1	342.8	10874	250		
275	-37.4	20	.1	341.6	10291	-39.3	19	.1	338.7	10179	-37.0	10	.1	341.9	10250	-37.6	17	.1	341.1	10224	275		
300	-32.1	18	.2	340.8	9684	-34.3	19	.1	337.6	9577	-32.4	10	.1	340.1	9642	-32.9	17	.1	339.5	9618	300		
325	-27.3	17	.2	339.9	9112	-29.7	18	.2	336.5	9011	-28.1	10	.1	338.4	9073	-28.6	16	.2	338.0	9050	325		
350	-23.0	17	.3	338.9	8575	-25.5	18	.2	335.4	8478	-23.7	10	.2	337.4	8536	-24.2	16	.3	337.1	8514	350		
375	-18.5	16	.4	338.6	8065	-21.3	17	.3	334.6	7974	-19.5	10	.2	336.7	8028	-20.2	17	.3	336.3	8007	375		
400	-14.3	15	.5	338.2	7579	-17.4	16	.4	333.9	7494	-15.5	10	.3	336.0	7545	-16.4	17	.4	335.4	7525	400		
425	-11.9	15	.5	335.7	7117	-13.9	16	.5	333.1	7036	-12.3	10	.4	334.6	7084	-13.1	17	.6	334.3	7066	425		
450	-9.4	14	.6	333.6	6677	-11.7	16	.6	330.7	6600	-10.0	11	.4	332.4	6646	-11.0	17	.6	331.8	6629	450		
475	-7.1	14	.7	331.6	6258	-9.6	17	.7	328.5	6184	-8.7	13	.5	329.2	6228	-9.8	21	.8	328.8	6213	475		
500	-4.5	14	.8	330.4	5856	-7.2	17	.8	327.1	5787	-5.4	12	.6	328.7	5828	-6.5	19	.9	328.4	5815	500		
525	-1.9	14	.9	329.3	5470	-4.1	18	1.0	326.9	5404	-2.1	10	.7	328.3	5443	-3.4	18	1.0	328.1	5431	525		
550	.5	14	1.0	328.3	5099	-1.9	17	1.0	325.4	5036	.3	10	.7	327.1	5072	-1.1	17	1.1	326.7	5062	550		
575	2.3	15	1.1	326.7	4741	.2	16	1.1	324.1	4681	2.2	10	.8	325.3	4714	1.0	16	1.2	325.2	4706	575		
600	3.8	15	1.3	325.0	4396	1.7	18	1.3	322.6	4339	3.6	11	.9	323.4	4370	2.4	18	1.3	323.5	4363	600		
625	5.3	16	1.4	323.5	4064	2.5	23	1.7	320.8	4010	4.1	13	1.1	320.9	4039	3.1	21	1.6	321.4	4033	625		
650	7.3	16	1.6	322.6	3743	4.2	22	1.7	319.5	3692	6.2	13	1.1	320.0	3719	4.7	22	1.8	320.3	3715	650		
675	9.2	16	1.7	321.7	3431	6.6	17	1.5	318.1	3384	9.1	10	1.1	319.7	3408	7.8	18	1.8	320.2	3406	675		
700	11.0	16	1.9	320.9	3129	7.9	16	1.6	316.4	3085	10.6	12	1.3	318.8	3107	9.2	23	2.4	320.5	3105	700		
725	12.7	16	2.0	320.2	2836	9.1	20	2.0	316.0	2795	11.6	14	1.6	317.6	2814	10.0	31	3.3	320.9	2814	725		
750	14.2	35	4.7	327.0	2551	10.2	42	4.4	321.2	2514	12.9	40	5.0	326.2	2530	12.0	33	3.9	321.8	2532	750		
775	15.6	57	8.2	335.7	2273	11.1	53	5.7	323.0	2241	14.8	19	2.5	317.9	2254	13.2	40	4.9	323.2	2256	775		
800	16.2	76	11.1	341.6	2003	12.5	55	6.3	323.4	1975	15.0	46	6.2	326.0	1986	14.2	47	6.0	324.4	1989	800		
825	17.0	64	9.6	335.1	1740	14.3	47	5.8	321.2	1716	16.5	46	6.6	325.9	1724	15.7	49	6.7	325.4	1728	825		
850	18.5	60	9.5	333.8	1484	15.0	57	7.2	323.1	1463	16.8	72	10.2	333.7	1470	16.0	58	7.8	325.9	1474	850		
875	19.7	66	10.9	336.4	1235	14.9	90	11.0	330.5	1217	16.8	86	11.9	335.5	1222	15.5	91	11.5	332.9	1228	875		
900	20.8	74	12.8	340.1	991	16.0	93	11.9	331.6	978	18.4	91	13.6	339.3	980	16.4	96	12.7	334.3	988	900		
925	21.2	91	15.7	345.9	753	17.1	96	12.8	332.8	743	20.0	95	15.4	343.5	743	18.1	95	13.6	336.0	753	925		
950	22.1	93	16.7	346.9	520	18.9	96	14.1	335.8	514	21.7	98	17.1	347.5	511	19.7	94	14.4	337.7	523	950		
975	23.8	90	17.5	348.6	293	22.0	91	15.7	341.4	289	23.7	93	17.9	349.4	284	22.1	84	14.7	338.8	297	975		
1000	25.6	87	18.2	350.2	70	24.9	86	17.4	347.1	67	25.6	88	18.5	351.1	61	24.5	75	14.7	339.3	75	1000		
SFC.	26.1	86	18.5	350.7	0	25.8	85	17.9	348.9	0	26.1	87	18.7	351.5	0	25.3	72	14.7	339.3	0	SFC.		
				SURFACE PRESSURE	1007.9				SURFACE PRESSURE	1007.6				SURFACE PRESSURE	1006.9				SURFACE PRESSURE	1008.6			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/10 2055 GMT						3/11 010 GMT					3/11 3 4 GMT					3/11 6 0 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	0.0	0	0.0	0.0	0	-66.8	0	0.0	461.4	19442	-66.4	0	0.0	462.3	19574	-66.8	0	0.0	461.4	19460	60	
70	-71.5	0	0.0	431.3	18610	-75.4	19	.0	423.1	18534	-72.9	27	.0	428.4	18653	-76.8	37	.0	420.1	18561	70	
80	-72.0	20	.0	414.3	17823	-74.8	20	.0	408.5	17759	-71.3	25	.0	415.6	17867	-73.7	37	.0	410.7	17787	80	
90	-77.2	20	.0	390.2	17133	-78.1	20	.0	388.4	17084	-77.6	25	.0	389.5	17185	-76.7	37	.0	391.1	17101	90	
100	-80.9	20	.0	371.5	16538	-80.5	21	.0	372.2	16486	-79.5	25	.0	374.2	16585	-81.7	38	.0	369.9	16503	100	
110	-78.4	21	.0	366.1	15998	-78.9	21	.0	365.2	15946	-78.6	25	.0	365.7	16043	-81.1	37	.0	361.1	15968	110	
120	-76.2	21	.0	361.2	15499	-77.4	20	.0	358.9	15449	-77.2	25	.0	359.3	15546	-78.1	37	.0	357.7	15475	120	
130	-73.7	21	.0	357.5	15034	-75.2	20	.0	354.8	14988	-73.6	25	.0	357.7	15083	-74.7	37	.0	355.7	15014	130	
140	-70.6	20	.0	353.4	14598	-72.1	20	.0	352.8	14555	-70.3	25	.0	356.1	14646	-71.6	36	.0	353.8	14580	140	
150	-67.8	20	.0	353.4	14186	-68.7	19	.0	351.8	14146	-67.1	25	.0	354.5	14233	-68.7	36	.0	351.9	14169	150	
160	-64.7	20	.0	352.1	13795	-65.5	19	.0	350.8	13756	-64.2	25	.0	353.0	13841	-65.3	36	.0	351.2	13780	160	
170	-61.8	20	.0	350.8	13423	-62.3	19	.0	350.1	13385	-61.1	25	.0	352.1	13467	-61.9	36	.0	350.7	13408	170	
180	-59.1	20	.0	349.6	13067	-59.2	19	.0	349.4	13029	-58.2	25	.0	351.2	13109	-58.8	35	.0	350.2	13052	180	
190	-56.5	20	.0	348.5	12726	-56.3	18	.0	348.7	12688	-55.4	24	.0	350.3	12767	-55.8	35	.0	349.6	12710	190	
200	-54.0	20	.0	347.3	12398	-53.6	18	.0	348.0	12361	-52.8	24	.0	349.4	12438	-53.0	35	.0	349.0	12381	200	
225	-48.0	20	.0	345.2	11632	-48.5	19	.0	344.4	11593	-46.8	24	.1	347.0	11667	-46.9	38	.1	347.0	11611	225	
250	-42.3	19	.1	343.4	10929	-42.5	19	.1	343.2	10891	-41.6	25	.1	344.6	10961	-42.0	53	.2	344.4	10905	250	
275	-37.1	18	.1	342.0	10277	-37.0	18	.1	342.0	10239	-36.9	25	.1	342.4	10308	-37.4	55	.3	342.2	10254	275	
300	-32.3	18	.2	340.5	9669	-32.3	18	.2	340.5	9632	-31.6	21	.2	341.6	9699	-32.7	37	.3	340.5	9648	300	
325	-27.8	17	.2	339.2	9100	-28.0	17	.2	338.9	9062	-27.0	19	.2	340.5	9127	-28.2	23	.3	338.8	9079	325	
350	-23.7	17	.3	337.9	8563	-24.1	17	.3	337.4	8526	-22.6	16	.3	339.4	8588	-23.7	21	.3	338.2	8542	350	
375	-19.8	17	.4	336.8	8055	-21.1	17	.3	334.9	8019	-18.8	16	.4	338.1	8078	-20.3	19	.4	336.2	8034	375	
400	-16.2	17	.5	335.7	7572	-17.0	17	.4	334.6	7539	-15.3	16	.5	336.9	7594	-17.7	18	.4	333.6	7554	400	
425	-12.7	17	.6	334.7	7113	-13.3	17	.5	334.0	7081	-11.4	15	.6	336.6	7133	-14.6	18	.5	332.2	7098	425	
450	-9.5	16	.7	333.8	6674	-10.6	17	.6	332.3	6643	-8.8	15	.6	334.6	6692	-11.7	18	.6	330.8	6662	450	
475	-8.0	20	.9	331.4	6255	-8.2	17	.7	330.6	6225	-6.7	14	.7	332.2	6272	-9.6	44	1.7	332.0	6247	475	
500	-5.6	21	1.0	329.9	5855	-5.4	17	.9	329.6	5825	-3.7	14	.8	331.5	5869	-6.3	34	1.6	331.0	5848	500	
525	-2.5	18	1.1	329.4	5470	-2.7	17	1.0	328.8	5440	-.8	13	.9	330.9	5482	-3.2	27	1.5	329.9	5464	525	
550	.2	16	1.2	328.4	5100	-.4	17	1.1	327.7	5070	2.0	13	1.1	330.3	5108	-.2	19	1.3	328.5	5094	550	
575	2.3	15	1.2	326.9	4742	1.5	16	1.2	326.0	4713	4.0	13	1.2	328.8	4748	2.2	14	1.1	326.5	4737	575	
600	3.2	16	1.3	324.4	4398	2.1	16	1.2	322.7	4370	4.5	14	1.2	325.6	4402	2.7	16	1.2	323.5	4393	600	
625	4.0	18	1.5	322.0	4067	3.7	16	1.3	321.1	4040	5.6	14	1.3	323.3	4070	4.5	16	1.4	322.3	4062	625	
650	6.6	18	1.7	322.0	3747	6.2	16	1.5	321.1	3721	7.9	15	1.5	323.1	3748	6.7	17	1.6	321.9	3741	650	
675	9.2	17	1.9	322.2	3436	8.7	17	1.7	321.3	3410	10.2	15	1.7	323.0	3436	8.9	17	1.8	321.7	3431	675	
700	11.7	17	2.1	322.4	3133	10.5	18	2.0	320.9	3108	12.4	16	2.0	322.9	3133	10.9	18	2.1	321.5	3129	700	
725	12.2	21	2.6	321.2	2840	11.4	30	3.5	323.1	2816	14.0	27	3.8	326.9	2838	12.0	38	4.6	327.3	2835	725	
750	13.9	19	2.5	320.0	2555	13.4	32	4.2	324.3	2532	15.4	27	3.9	325.8	2551	13.6	33	4.3	324.8	2551	750	
775	15.6	17	2.5	318.7	2278	15.5	18	2.5	318.8	2255	17.2	19	2.9	321.9	2273	15.2	17	2.4	317.9	2274	775	
800	17.0	21	3.1	319.3	2009	16.8	18	2.7	317.8	1986	18.9	18	3.1	321.3	2002	15.6	40	5.6	325.1	2005	800	
825	17.3	40	6.0	325.3	1746	16.5	42	5.9	324.1	1724	19.0	51	8.5	334.5	1737	17.7	31	4.7	322.0	1743	825	
850	18.1	44	6.7	325.3	1491	16.9	45	6.4	323.0	1470	20.2	41	7.2	329.1	1480	18.6	43	6.8	326.2	1488	850	
875	18.5	48	7.3	324.9	1243	17.7	50	7.3	323.8	1222	21.2	47	8.6	331.5	1230	18.7	69	10.7	334.6	1239	875	
900	19.3	55	8.6	326.6	1001	19.3	48	7.5	323.6	980	22.2	54	10.0	334.1	985	19.2	78	12.2	336.4	996	900	
925	20.5	59	9.7	328.5	764	20.8	64	10.8	331.7	744	23.1	59	11.5	336.7	746	19.7	87	13.6	338.2	759	925	
950	21.6	76	13.1	336.4	533	20.3	70	11.1	329.5	514	24.1	65	13.1	339.5	513	20.8	91	15.0	340.7	529	950	
975	23.3	78	14.5	339.8	307	22.6	67	12.0	332.0	288	25.0	71	14.7	342.3	284	23.1	88	16.3	344.4	302	975	
1000	26.0	82	17.5	348.8	84	24.9	73	14.6	339.4	66	27.3	74	17.3	350.0	60	25.2	86	17.6	348.2	79	1000	
SFC.	27.0	83	18.8	352.6	0	27.7	80	18.9	354.1	0	28.2	75	18.2	353.0	0	26.0	85	18.1	349.5	0	SFC.	
				SURFACE PRESSURE	1009.5				SURFACE PRESSURE	1007.5				SURFACE PRESSURE	1006.8				SURFACE PRESSURE	1009.0		

A-137

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/11 835 GMT						3/11 12 0 GMT					3/12 620 GMT					3/12 12 0 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-65.0	0	0.0	465.4	19460	-65.3	0	0.0	464.7	19449	0.0	0	0.0	0.0	0	-64.2	0	0.0	467.2	19438	60	
70	-75.9	0	0.0	422.0	18545	-68.4	0	0.0	438.2	18514	0.0	0	0.0	0.0	0	-72.1	0	0.0	430.1	18517	70	
80	-75.7	36	.0	406.7	17772	-73.6	0	0.0	410.9	17731	0.0	0	0.0	0.0	0	-74.7	0	0.0	408.7	17737	80	
90	-79.4	36	.0	385.9	17098	-78.4	39	.0	387.9	17050	-81.8	54	.0	381.1	17107	-79.8	47	.0	384.9	17057	90	
100	-81.0	36	.0	371.2	16503	-80.9	39	.0	371.5	16453	-82.3	54	.0	368.7	16517	-81.4	47	.0	370.5	16464	100	
110	-81.5	36	.0	360.3	15968	-81.5	38	.0	360.4	15920	-79.1	54	.0	364.8	15980	-79.2	47	.0	364.7	15926	110	
120	-77.7	36	.0	358.4	15475	-78.9	38	.0	356.3	15429	-76.2	54	.0	361.2	15482	-77.2	47	.0	359.4	15429	120	
130	-74.3	35	.0	356.5	15012	-75.3	38	.0	354.7	14969	-73.5	54	.0	357.9	15017	-75.2	47	.0	354.9	14967	130	
140	-71.1	35	.0	354.7	14577	-72.0	38	.0	353.1	14536	-70.8	54	.0	355.1	14581	-71.9	47	.0	353.2	14534	140	
150	-68.1	35	.0	352.9	14166	-68.9	37	.0	351.5	14126	-67.6	55	.0	353.8	14169	-68.9	47	.0	351.5	14125	150	
160	-65.0	35	.0	351.6	13776	-66.0	37	.0	350.0	13737	-65.0	55	.0	351.7	13777	-66.1	47	.0	349.9	13736	160	
170	-62.1	34	.0	350.5	13403	-63.2	37	.0	348.5	13367	-62.8	56	.0	349.3	13406	-63.4	47	.0	348.3	13366	170	
180	-59.3	34	.0	349.4	13048	-60.4	37	.0	347.6	13013	-60.1	57	.0	348.1	13052	-60.9	47	.0	346.7	13013	180	
190	-56.7	34	.0	348.3	12707	-57.4	36	.0	347.0	12674	-57.5	58	.0	346.9	12712	-58.4	47	.0	345.5	12675	190	
200	-54.2	34	.0	347.2	12380	-54.7	36	.0	346.4	12348	-55.1	59	.1	345.9	12386	-55.4	47	.0	345.2	12350	200	
225	-48.2	34	.1	345.0	11615	-48.3	35	.1	344.8	11583	-48.7	62	.1	344.4	11623	-48.8	51	.1	344.1	11587	225	
250	-41.4	40	.2	345.2	10910	-42.6	35	.1	343.3	10881	-43.0	64	.2	343.0	10922	-43.7	63	.2	342.0	10888	250	
275	-36.7	35	.2	342.9	10257	-37.8	48	.3	341.5	10231	-37.7	60	.3	341.9	10272	-38.2	61	.3	341.1	10240	275	
300	-32.7	57	.5	341.2	9649	-32.5	51	.4	341.2	9625	-32.2	56	.5	341.8	9665	-34.2	69	.5	339.1	9636	300	
325	-28.4	17	.2	338.3	9080	-28.9	67	.7	339.6	9056	-28.8	66	.7	339.7	9096	-30.1	66	.6	337.6	9071	325	
350	-23.8	15	.2	337.6	8544	-24.9	24	.4	336.6	8522	-24.8	55	.8	338.4	8561	-25.8	47	.6	336.4	8538	350	
375	-20.3	15	.3	335.9	8037	-20.6	17	.3	335.6	8016	-20.6	40	.8	337.2	8055	-21.7	42	.8	335.7	8034	375	
400	-17.3	16	.4	334.1	7556	-17.5	20	.5	334.1	7536	-16.5	41	1.1	337.5	7574	-17.3	31	.8	335.3	7555	400	
425	-14.4	17	.5	332.3	7099	-13.8	17	.5	333.2	7078	-12.9	31	1.0	336.2	7115	-13.3	21	.7	334.4	7097	425	
450	-11.7	17	.6	330.7	6663	-11.2	17	.6	331.4	6642	-9.3	18	.7	334.2	6676	-10.0	18	.7	333.3	6659	450	
475	-9.3	44	1.8	332.6	6247	-9.2	29	1.2	330.7	6225	-6.6	15	.7	332.5	6256	-6.9	16	.8	332.2	6240	475	
500	-6.5	30	1.4	330.0	5848	-7.3	36	1.6	329.7	5827	-4.8	22	1.2	331.5	5854	-5.2	17	.9	329.9	5838	500	
525	-3.8	19	1.0	327.7	5465	-4.3	26	1.4	328.1	5445	-3.1	30	1.7	330.7	5469	-3.3	17	1.0	328.0	5454	525	
550	-0.9	16	1.1	326.8	5096	-0.9	21	1.3	327.7	5076	-0.7	18	1.2	327.4	5099	-1.5	18	1.1	326.2	5085	550	
575	1.9	14	1.0	325.8	4740	1.6	17	1.3	326.3	4720	1.2	18	1.3	326.0	4743	.6	18	1.2	324.9	4730	575	
600	2.9	14	1.1	323.2	4396	2.1	17	1.3	323.0	4377	3.1	18	1.4	324.7	4400	2.8	17	1.3	324.0	4387	600	
625	4.4	14	1.2	321.7	4065	3.6	24	1.9	323.0	4046	5.0	18	1.6	323.5	4068	4.9	17	1.5	323.0	4055	625	
650	6.6	15	1.4	321.2	3745	5.6	25	2.2	322.5	3727	7.7	16	1.6	323.2	3747	6.9	17	1.6	322.1	3735	650	
675	8.6	16	1.6	320.9	3434	7.6	23	2.2	321.5	3417	10.0	16	1.8	322.9	3434	8.8	16	1.7	321.2	3424	675	
700	10.6	16	1.9	320.5	3132	9.5	22	2.3	320.6	3117	11.8	17	2.1	322.7	3132	10.3	25	2.8	323.2	3122	700	
725	12.3	21	2.6	321.6	2839	11.0	37	4.2	324.8	2825	13.2	26	3.4	324.8	2837	11.6	37	4.4	326.2	2830	725	
750	13.1	33	4.1	323.9	2555	13.1	23	2.9	320.1	2541	14.2	26	3.5	323.3	2552	13.6	31	4.0	324.1	2545	750	
775	15.1	21	2.8	319.2	2279	14.3	24	3.2	319.4	2265	15.3	20	2.8	319.5	2275	15.5	25	3.5	321.6	2268	775	
800	16.1	24	3.4	319.1	2010	15.6	25	3.5	318.7	1997	16.3	25	3.6	320.0	2006	17.2	20	3.1	319.5	1998	800	
825	17.1	27	4.0	319.1	1748	15.6	68	9.3	332.4	1736	16.7	41	6.0	324.5	1744	17.3	35	5.3	323.2	1736	825	
850	17.2	60	8.7	329.9	1493	16.3	74	10.2	333.0	1482	17.7	58	8.7	330.7	1489	17.2	61	8.8	330.4	1481	850	
875	18.4	61	9.3	330.4	1245	18.0	75	11.2	335.1	1233	18.8	74	11.7	337.4	1240	17.8	82	12.0	337.1	1233	875	
900	19.5	70	11.1	333.9	1003	18.5	87	13.1	338.2	991	19.4	76	12.1	336.3	997	18.6	91	13.7	339.9	991	900	
925	20.7	74	12.3	335.9	766	19.1	98	14.9	341.0	755	19.4	94	14.6	340.3	761	19.7	96	15.1	342.3	754	925	
950	20.9	92	15.3	341.7	534	20.4	99	16.0	342.8	524	20.9	97	16.1	343.7	530	21.3	92	15.7	343.2	523	950	
975	22.7	92	16.7	344.9	308	22.8	93	17.0	345.8	297	23.1	92	16.9	346.1	303	22.9	89	16.2	344.0	296	975	
1000	24.8	88	17.6	347.4	85	25.2	87	17.9	348.7	75	25.2	86	17.8	348.5	80	24.5	85	16.7	344.6	74	1000	
SFC.	25.6	86	17.9	348.3	0	26.0	85	18.1	349.6	0	26.3	84	18.2	350.2	0	25.0	84	16.9	344.8	0	SFC.	
				SURFACE PRESSURE	1009.7				SURFACE PRESSURE	1008.5				SURFACE PRESSURE	1009.1				SURFACE PRESSURE	1008.4		



LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA CHRISTMAS ISLAND

3/12 1840 GMT							3/13 18 0 GMT					3/14 030 GMT					3/14 315 GMT					P
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-64.2	0	0.0	467.2	19462	-63.2	0	0.0	469.4	19518	-61.7	0	0.0	472.7	19533	-61.8	0	0.0	472.6	19559	60	
70	-69.4	0	0.0	435.9	18536	-68.9	15	.0	437.0	18585	-69.7	0	0.0	435.3	18584	-73.3	0	0.0	427.6	18626	70	
80	-73.9	0	0.0	410.4	17748	-75.7	15	.0	406.6	17798	-78.0	0	0.0	401.9	17804	-80.3	20	.0	397.2	17854	80	
90	-78.2	0	0.0	388.2	17068	-79.0	15	.0	386.6	17124	-80.4	18	.0	383.8	17138	-81.7	20	.0	381.1	17194	90	
100	-79.6	21	.0	374.0	16470	-80.2	15	.0	372.8	16526	-80.5	19	.0	372.2	16543	-79.6	19	.0	374.0	16601	100	
110	-77.1	21	.0	368.5	15927	-79.4	14	.0	364.2	15987	-77.3	18	.0	368.2	16001	-79.2	19	.0	364.6	16060	110	
120	-75.1	21	.0	363.3	15423	-77.2	15	.0	359.3	15491	-76.4	18	.0	360.8	15502	-75.6	19	.0	362.3	15562	120	
130	-73.6	21	.0	357.7	14958	-74.2	15	.0	356.6	15029	-73.0	18	.0	358.7	15036	-72.3	18	.0	360.1	15095	130	
140	-71.2	21	.0	354.5	14523	-70.7	15	.0	355.2	14593	-69.9	18	.0	356.7	14599	-69.2	18	.0	357.9	14655	140	
150	-67.9	21	.0	353.2	14111	-67.5	15	.0	353.8	14181	-67.0	17	.0	354.8	14185	-66.1	18	.0	356.2	14240	150	
160	-66.0	21	.0	350.0	13723	-64.5	15	.0	352.5	13789	-64.2	17	.0	352.9	13793	-63.2	17	.0	354.7	13846	160	
170	-62.8	21	.0	349.3	13352	-61.5	15	.0	351.4	13416	-61.6	17	.0	351.3	13419	-60.5	17	.0	353.1	13471	170	
180	-59.7	20	.0	348.6	12997	-58.6	14	.0	350.4	13059	-58.5	17	.0	350.6	13063	-57.8	17	.0	351.8	13113	180	
190	-56.9	20	.0	347.9	12657	-55.9	14	.0	349.4	12718	-55.6	18	.0	349.9	12721	-54.8	17	.0	351.2	12769	190	
200	-54.4	20	.0	346.7	12330	-53.3	14	.0	348.4	12389	-52.9	18	.0	349.2	12392	-52.0	16	.0	350.6	12439	200	
225	-49.6	21	.0	342.7	11569	-47.5	13	.0	345.9	11621	-47.5	18	.0	345.9	11622	-46.5	16	.0	347.4	11665	225	
250	-43.8	22	.1	341.2	10871	-42.8	12	.0	342.7	10918	-43.1	17	.1	342.3	10919	-42.3	16	.1	343.5	10961	250	
275	-38.5	22	.1	339.9	10223	-37.2	12	.1	341.6	10267	-38.3	16	.1	340.1	10271	-37.2	15	.1	341.8	10310	275	
300	-33.0	20	.2	339.5	9618	-31.9	12	.1	340.8	9659	-33.4	16	.1	338.8	9666	-31.8	15	.1	341.2	9702	300	
325	-29.4	21	.2	337.0	9050	-27.1	11	.1	340.0	9088	-27.9	15	.2	339.0	9098	-26.6	15	.2	340.9	9130	325	
350	-26.5	29	.4	334.4	8518	-22.6	11	.2	339.2	8549	-22.8	14	.3	339.0	8560	-21.8	14	.3	340.5	8589	350	
375	-22.4	26	.4	333.6	8016	-18.7	11	.3	337.8	8039	-18.5	14	.3	338.5	8050	-17.3	14	.4	340.1	8077	375	
400	-18.6	23	.5	332.7	7538	-16.1	11	.3	335.3	7555	-15.1	14	.4	337.0	7565	-14.2	14	.4	338.3	7590	400	
425	-14.5	19	.6	332.5	7082	-13.0	10	.3	333.6	7096	-12.3	14	.5	335.1	7104	-11.4	14	.5	336.3	7128	425	
450	-10.9	16	.6	331.9	6646	-10.4	10	.4	331.7	6658	-9.6	15	.6	333.4	6665	-8.8	14	.6	334.5	6687	450	
475	-7.8	15	.7	330.8	6228	-8.7	12	.5	329.1	6241	-8.4	15	.6	329.9	6246	-6.8	14	.7	332.1	6267	475	
500	-7.0	18	.8	327.4	5828	-5.6	11	.6	328.3	5841	-5.2	15	.8	329.5	5846	-4.2	14	.8	330.8	5865	500	
525	-4.6	18	.9	326.1	5446	-2.7	10	.6	327.4	5456	-2.0	14	.9	329.3	5461	-1.1	14	.9	330.5	5478	525	
550	-2.4	18	1.0	324.9	5078	-1.5	11	.7	324.7	5087	.6	14	1.0	328.5	5089	1.9	14	1.1	330.3	5105	550	
575	-.2	17	1.1	323.7	4724	.6	12	.8	323.6	4732	1.1	17	1.2	325.4	4732	1.6	16	1.2	326.0	4747	575	
600	1.8	17	1.3	322.6	4383	2.6	13	1.0	322.6	4390	3.1	21	1.7	325.5	4389	3.4	21	1.7	325.9	4403	600	
625	3.8	17	1.4	321.5	4052	3.9	17	1.4	321.7	4059	5.1	26	2.2	325.8	4057	5.5	27	2.5	327.1	4071	625	
650	5.7	17	1.5	320.5	3733	5.1	23	1.9	321.1	3740	7.0	30	2.9	326.3	3736	7.8	30	3.1	327.9	3749	650	
675	7.1	31	2.9	323.1	3424	7.2	28	2.7	322.4	3430	8.8	34	3.6	327.1	3425	10.2	23	2.7	325.9	3437	675	
700	9.6	25	2.7	321.8	3123	8.9	29	2.9	321.8	3130	10.4	21	2.4	321.9	3123	11.1	20	2.3	322.5	3134	700	
725	11.2	28	3.2	322.0	2831	10.2	24	2.6	319.1	2839	12.2	23	2.9	322.3	2830	12.9	25	3.2	324.0	2840	725	
750	12.9	29	3.5	321.8	2548	11.6	33	3.7	320.8	2557	14.0	29	3.8	324.0	2545	14.8	32	4.5	327.0	2555	750	
775	15.1	20	2.7	318.8	2271	13.1	47	5.7	325.5	2282	15.8	33	4.8	326.0	2268	16.6	39	6.0	330.3	2276	775	
800	12.3	39	4.3	317.6	2004	14.2	58	7.4	328.6	2014	15.8	46	6.5	327.9	1998	17.5	47	7.4	332.5	2006	800	
825	13.1	57	6.6	321.9	1745	15.0	65	8.5	329.5	1754	16.6	53	7.6	329.0	1736	18.5	51	8.3	333.4	1742	825	
850	15.0	90	11.4	334.7	1493	15.8	82	10.9	334.5	1500	17.5	58	8.6	330.0	1481	19.6	53	9.0	333.6	1485	850	
875	16.1	95	12.6	336.5	1246	16.9	98	13.7	340.7	1252	18.9	58	9.1	330.4	1233	20.7	55	9.6	333.9	1235	875	
900	17.4	94	13.1	336.6	1005	18.5	94	14.2	341.0	1010	20.3	58	9.7	330.7	990	21.7	57	10.3	334.3	990	900	
925	18.9	91	13.7	337.4	770	20.0	91	14.6	341.3	774	21.6	58	10.2	331.1	752	22.6	60	11.2	335.3	752	925	
950	20.4	89	14.3	338.1	539	21.5	87	15.0	341.4	542	22.8	58	10.7	331.5	520	23.3	68	13.0	338.3	519	950	
975	21.8	87	14.8	338.8	313	22.9	84	15.3	341.5	315	24.1	58	11.3	332.0	293	25.0	69	14.3	341.5	291	975	
1000	23.9	86	16.3	342.8	92	24.8	86	17.1	346.1	93	25.9	60	12.7	335.4	71	26.7	71	15.8	345.0	67	1000	
SFC.	26.1	90	19.3	352.7	0	25.8	89	18.7	350.8	0	28.8	66	16.6	349.0	0	27.2	71	16.2	346.1	0	SFC.	
				SURFACE PRESSURE	1010.5				SURFACE PRESSURE	1010.6				SURFACE PRESSURE	1008.0				SURFACE PRESSURE	1007.6		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/14 620 GMT					3/14 845 GMT					3/14 1225 GMT					3/14 15 0 GMT					P		
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-63.8	0	0.0	468.1	19509	-63.2	0	0.0	469.4	19572	-63.5	0	0.0	468.9	19467	-64.1	0	0.0	467.4	19489	60	
70	-67.8	0	0.0	439.4	18565	-68.8	19	.0	437.3	18629	-67.9	0	0.0	439.1	18526	-69.4	0	0.0	435.9	18548	70	
80	-78.0	0	0.0	401.9	17784	-76.9	19	.0	404.1	17843	-77.1	0	0.0	403.7	17739	-78.4	0	0.0	401.1	17767	80	
90	-83.8	19	.0	377.0	17124	-82.7	19	.0	379.1	17183	-81.9	22	.0	380.8	17077	-81.6	22	.0	381.4	17107	90	
100	-80.5	19	.0	372.2	16535	-80.6	19	.0	372.0	16592	-80.3	25	.0	372.6	16485	-81.2	23	.0	370.8	16515	100	
110	-82.2	19	.0	359.0	15999	-80.2	19	.0	362.9	16055	-80.7	25	.0	361.8	15948	-80.0	23	.0	363.1	15979	110	
120	-77.6	18	.0	358.6	15507	-76.6	19	.0	360.5	15558	-77.6	25	.0	358.6	15454	-77.0	22	.0	359.7	15483	120	
130	-73.6	18	.0	357.6	15044	-73.3	19	.0	358.2	15094	-74.7	25	.0	355.7	14992	-74.1	21	.0	356.8	15020	130	
140	-70.6	18	.0	355.5	14607	-70.1	19	.0	356.3	14657	-71.5	25	.0	353.8	14558	-70.8	20	.0	355.2	14584	140	
150	-67.7	17	.0	353.5	14195	-66.7	18	.0	355.2	14243	-68.4	24	.0	352.4	14148	-67.7	20	.0	353.6	14172	150	
160	-65.0	17	.0	351.6	13804	-63.6	18	.0	354.0	13850	-65.4	24	.0	351.0	13758	-64.8	20	.0	352.0	13781	160	
170	-62.5	17	.0	349.7	13432	-60.7	18	.0	352.8	13475	-62.6	23	.0	349.6	13386	-62.0	19	.0	350.5	13408	170	
180	-59.3	17	.0	349.2	13077	-57.9	17	.0	351.6	13117	-59.9	23	.0	348.4	13032	-59.4	19	.0	349.1	13053	180	
190	-56.3	17	.0	348.7	12736	-55.3	17	.0	350.5	12775	-56.8	23	.0	348.0	12692	-56.4	19	.0	348.6	12712	190	
200	-53.5	17	.0	348.2	12408	-52.4	17	.0	349.9	12445	-53.9	23	.0	347.6	12364	-53.6	19	.0	347.9	12384	200	
225	-46.9	16	.0	346.8	11639	-46.4	16	.0	347.6	11673	-48.1	22	.0	345.0	11598	-47.2	18	.0	346.4	11616	225	
250	-42.6	16	.1	343.0	10934	-41.8	15	.1	344.2	10966	-43.1	21	.1	342.3	10896	-41.7	18	.1	344.4	10910	250	
275	-38.0	15	.1	340.5	10284	-37.6	15	.1	341.1	10314	-38.2	20	.1	340.3	10247	-36.9	17	.1	342.2	10258	275	
300	-32.9	15	.1	339.5	9678	-32.1	15	.1	340.6	9707	-32.9	19	.2	339.6	9642	-32.2	17	.1	340.6	9650	300	
325	-28.0	14	.2	338.8	9109	-27.1	14	.2	340.1	9136	-28.1	19	.2	338.9	9073	-28.0	16	.2	338.9	9080	325	
350	-23.4	14	.2	338.1	8572	-22.4	14	.3	339.6	8597	-23.5	19	.3	338.3	8536	-23.3	16	.3	338.4	8543	350	
375	-19.0	14	.3	337.8	8063	-18.0	13	.3	339.2	8086	-19.3	18	.4	337.6	8027	-18.9	16	.4	338.1	8034	375	
400	-14.8	14	.4	337.4	7579	-13.8	13	.4	338.7	7599	-15.4	18	.5	337.0	7544	-14.7	15	.5	337.7	7549	400	
425	-12.7	14	.5	334.5	7118	-11.7	13	.5	335.9	7137	-12.0	18	.6	335.9	7083	-10.9	15	.6	337.3	7086	425	
450	-10.0	14	.5	332.8	6680	-9.9	14	.6	332.8	6698	-10.7	18	.7	332.3	6644	-9.8	16	.6	333.2	6646	450	
475	-6.9	13	.6	331.8	6261	-6.3	13	.7	332.6	6278	-7.9	18	.8	331.2	6227	-7.6	17	.8	331.3	6228	475	
500	-5.0	13	.7	329.5	5859	-4.7	13	.7	329.9	5876	-6.2	17	.8	328.5	5827	-6.0	16	.8	328.6	5827	500	
525	-2.4	13	.8	328.4	5474	-1.9	13	.8	329.2	5490	-3.4	17	1.0	327.9	5443	-3.6	16	.9	327.4	5444	525	
550	.4	13	.9	327.9	5103	.8	14	1.0	328.6	5118	-.7	18	1.2	327.4	5073	-1.2	16	1.0	326.2	5074	550	
575	1.9	20	1.5	327.6	4745	1.8	22	1.6	327.8	4760	.4	22	1.5	325.6	4717	.3	24	1.6	325.8	4719	575	
600	2.6	30	2.3	326.9	4402	2.9	24	1.9	325.9	4417	1.8	28	2.0	324.9	4375	1.3	38	2.7	326.3	4377	600	
625	4.5	30	2.5	325.9	4071	4.7	21	1.8	323.8	4085	3.5	33	2.6	324.9	4045	3.3	42	3.2	326.7	4048	625	
650	6.4	36	3.4	327.2	3750	6.6	36	3.3	327.3	3765	4.7	49	4.0	327.2	3726	5.6	33	2.9	324.8	3728	650	
675	8.6	52	5.4	332.3	3439	9.0	29	3.1	325.7	3454	7.5	36	3.4	325.1	3417	8.0	28	2.7	323.6	3418	675	
700	11.0	28	3.3	325.3	3137	11.2	19	2.2	322.3	3152	9.4	35	3.7	324.7	3116	10.3	30	3.4	324.8	3117	700	
725	12.4	25	3.1	323.2	2844	12.9	25	3.2	323.9	2858	10.8	41	4.6	325.6	2824	11.6	39	4.6	326.6	2824	725	
750	13.9	49	6.5	331.9	2559	14.2	45	6.1	330.9	2572	12.1	46	5.5	326.7	2541	12.3	51	6.1	328.8	2540	750	
775	15.2	50	7.1	331.7	2281	15.4	49	7.0	331.8	2295	13.4	52	6.5	328.0	2265	13.1	60	7.4	330.2	2265	775	
800	16.3	51	7.4	331.1	2011	16.6	50	7.4	331.3	2025	14.7	57	7.5	329.4	1997	14.2	64	8.1	330.4	1997	800	
825	16.9	58	8.5	331.9	1749	17.5	56	8.6	332.8	1762	15.3	77	10.3	335.0	1736	15.2	67	8.8	330.8	1736	825	
850	17.8	66	10.0	334.3	1494	17.6	82	12.2	340.4	1506	16.2	78	10.7	334.4	1482	16.2	70	9.6	331.2	1482	850	
875	18.7	74	11.6	336.9	1245	18.9	79	12.5	339.7	1257	17.1	81	11.4	334.4	1234	17.2	77	10.9	333.2	1234	875	
900	20.0	73	12.1	337.2	1002	20.2	76	12.6	338.9	1014	18.3	80	11.8	334.3	992	18.0	86	12.6	336.0	993	900	
925	21.4	71	12.4	337.0	764	21.3	79	13.7	340.5	776	19.9	76	12.0	334.0	756	19.2	92	14.1	338.8	757	925	
950	22.3	79	14.3	340.7	532	22.3	91	16.4	346.4	544	20.0	93	14.6	338.5	525	21.0	89	14.8	340.4	526	950	
975	23.7	82	15.7	343.4	305	23.6	93	17.9	349.3	316	22.4	91	16.0	342.7	300	22.8	86	15.5	341.9	299	975	
1000	25.4	80	16.5	345.2	82	26.2	88	19.1	353.6	93	24.8	87	17.4	346.9	77	24.6	84	16.5	344.2	77	1000	
SFC.	26.0	79	16.8	345.9	0	28.0	86	20.7	359.1	0	25.6	86	17.9	348.4	0	25.5	85	17.6	347.4	0	SFC.	
				SURFACE PRESSURE	1009.3				SURFACE PRESSURE	1010.5				SURFACE PRESSURE	1008.8				SURFACE PRESSURE	1008.8		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

P	T	3/14 1730 GMT				T	RH	3/14 2030 GMT				T	RH	3/15 0 0 GMT				T	RH	3/15 315 GMT				P
		RH	W	EPT	H			W	EPT	H	W			EPT	H	W	EPT			H	W	EPT	H	
60	-64.7	0	0.0	466.1	19493	-63.3	17	.0	469.4	19631	-66.0	0	0.0	463.1	19565	-65.7	0	0.0	463.9	19552	60			
70	-65.5	0	0.0	444.3	18546	-65.4	17	.0	444.6	18682	-67.4	16	.0	440.4	18626	-69.1	0	0.0	436.6	18618	70			
80	-74.1	18	.0	410.0	17753	-71.6	18	.0	415.1	17886	-72.0	16	.0	414.3	17836	-71.7	19	.0	414.9	17830	80			
90	-82.0	19	.0	380.6	17083	-80.1	18	.0	384.4	17213	-81.5	15	.0	381.7	17167	-81.4	19	.0	381.9	17144	90			
100	-79.3	22	.0	374.5	16489	-79.2	18	.0	374.7	16616	-80.1	16	.0	373.0	16574	-80.1	19	.0	373.0	16554	100			
110	-80.4	22	.0	362.4	15949	-79.0	18	.0	365.0	16077	-79.4	15	.0	364.2	16035	-79.5	19	.0	364.1	16014	110			
120	-77.5	22	.0	358.7	15455	-75.8	18	.0	361.9	15578	-77.3	15	.0	359.2	15538	-77.7	19	.0	358.4	15519	120			
130	-74.5	22	.0	356.1	14993	-72.9	18	.0	359.0	15112	-74.3	15	.0	356.5	15076	-74.3	18	.0	356.5	15057	130			
140	-71.9	19	.0	353.1	14559	-70.1	18	.0	356.4	14674	-70.6	15	.0	355.4	14641	-71.1	18	.0	354.5	14622	140			
150	-68.6	19	.0	352.0	14149	-66.7	17	.0	355.2	14261	-67.3	15	.0	354.3	14228	-68.2	17	.0	352.7	14210	150			
160	-65.3	18	.0	351.2	13759	-63.6	17	.0	353.9	13868	-64.1	15	.0	353.2	13836	-65.1	17	.0	351.4	13820	160			
170	-62.2	18	.0	350.3	13387	-60.7	17	.0	352.7	13493	-61.0	15	.0	352.3	13462	-61.9	17	.0	350.8	13448	170			
180	-59.3	18	.0	349.3	13032	-58.0	16	.0	351.5	13135	-58.1	15	.0	351.3	13104	-58.8	17	.0	350.1	13092	180			
190	-56.6	18	.0	348.3	12691	-55.2	16	.0	350.5	12792	-55.3	14	.0	350.4	12762	-55.9	17	.0	349.4	12750	190			
200	-54.1	19	.0	347.3	12364	-52.5	16	.0	349.8	12463	-52.7	14	.0	349.5	12432	-53.2	17	.0	348.6	12422	200			
225	-47.7	18	.0	345.5	11598	-46.0	16	.0	348.2	11690	-46.7	14	.0	347.2	11662	-47.1	16	.0	346.6	11652	225			
250	-42.5	17	.1	343.2	10893	-40.3	15	.1	346.5	10981	-40.7	14	.1	345.8	10954	-41.3	16	.1	345.0	10946	250			
275	-36.7	14	.1	342.4	10242	-35.1	15	.1	344.8	10324	-35.3	13	.1	344.5	10297	-35.9	16	.1	343.6	10291	275			
300	-32.5	17	.1	340.2	9634	-30.4	15	.2	343.2	9711	-30.3	13	.1	343.3	9685	-31.1	15	.1	342.2	9681	300			
325	-28.0	18	.2	338.9	9064	-26.5	15	.2	341.1	9137	-26.1	13	.2	341.5	9110	-26.6	15	.2	340.9	9108	325			
350	-23.5	17	.3	338.3	8527	-22.0	15	.3	340.2	8597	-22.8	12	.2	338.9	8570	-23.3	15	.2	338.4	8570	350			
375	-20.9	22	.4	335.6	8020	-17.9	14	.4	339.4	8085	-18.3	13	.3	338.7	8060	-18.9	14	.3	338.0	8060	375			
400	-18.0	25	.6	333.8	7541	-14.0	14	.5	338.6	7599	-14.0	13	.4	338.4	7574	-14.7	14	.4	337.6	7576	400			
425	-11.6	19	.7	336.7	7083	-10.4	13	.5	337.7	7136	-11.0	12	.5	336.7	7111	-11.4	14	.5	336.4	7114	425			
450	-11.2	17	.6	331.5	6645	-9.8	14	.6	333.1	6694	-9.9	13	.5	332.8	6671	-9.7	14	.6	333.2	6674	450			
475	-8.0	15	.7	330.6	6228	-6.6	13	.6	332.2	6275	-6.6	12	.6	332.0	6251	-6.6	14	.7	332.4	6254	475			
500	-6.5	17	.8	328.1	5828	-4.8	15	.8	330.1	5872	-4.0	12	.7	330.7	5848	-3.9	14	.8	331.3	5851	500			
525	-4.4	18	.9	326.5	5445	-3.0	16	.9	328.1	5488	-1.7	12	.8	329.3	5462	-1.8	15	.9	329.7	5465	525			
550	-1.8	17	1.1	325.7	5077	-.3	15	1.0	327.5	5118	.4	13	.9	327.9	5091	.3	15	1.1	328.3	5094	550			
575	.7	17	1.2	325.0	4722	2.3	15	1.2	326.9	4761	2.5	13	1.0	326.6	4733	2.2	16	1.2	326.9	4736	575			
600	.6	32	2.1	323.9	4381	2.5	22	1.7	324.9	4417	2.3	29	2.2	326.0	4389	2.7	35	2.7	328.2	4392	600			
625	2.7	34	2.5	323.8	4052	5.0	21	1.8	324.3	4086	4.7	26	2.2	325.3	4058	4.9	31	2.7	326.9	4060	625			
650	5.0	29	2.4	322.5	3733	7.4	19	1.9	323.8	3764	7.1	23	2.2	324.4	3737	7.2	23	2.3	324.8	3739	650			
675	7.4	24	2.2	321.3	3424	9.7	18	2.0	323.3	3453	9.3	21	2.2	323.5	3425	9.2	25	2.7	324.8	3428	675			
700	9.6	23	2.5	321.2	3124	11.7	19	2.3	323.3	3150	11.3	20	2.4	322.9	3123	11.0	29	3.4	325.6	3126	700			
725	10.9	31	3.5	322.6	2832	13.7	20	2.7	323.4	2856	12.9	22	2.9	323.0	2829	12.8	32	4.1	326.6	2832	725			
750	12.0	41	4.8	324.5	2549	14.6	32	4.4	326.6	2570	14.5	25	3.4	323.2	2544	14.4	36	4.9	327.7	2546	750			
775	13.0	51	6.2	326.6	2274	15.2	45	6.3	329.7	2292	16.0	27	3.9	323.6	2266	16.1	39	5.8	329.1	2268	775			
800	13.9	61	7.6	328.7	2006	15.8	51	7.1	329.7	2022	17.0	33	5.0	325.0	1996	16.8	52	7.9	333.0	1998	800			
825	15.3	63	8.3	329.5	1745	16.9	53	7.8	330.0	1760	17.9	40	6.3	326.7	1734	17.2	65	9.7	335.7	1735	825			
850	16.6	65	9.2	330.4	1491	18.2	54	8.4	330.3	1505	18.8	47	7.5	328.4	1478	18.8	60	9.7	334.5	1479	850			
875	17.0	80	11.3	333.9	1244	18.9	61	9.7	331.8	1256	19.3	59	9.5	331.8	1228	19.6	66	10.8	335.8	1229	875			
900	17.4	86	12.0	333.7	1002	20.0	65	10.7	333.2	1013	20.0	70	11.5	335.4	985	20.0	75	12.4	338.0	986	900			
925	18.4	88	12.7	334.0	767	21.1	67	11.5	334.2	776	21.1	73	12.6	337.2	748	20.6	84	14.0	340.4	749	925			
950	20.4	83	13.3	335.4	537	22.0	72	12.7	335.8	544	22.3	77	13.8	339.1	516	22.2	80	14.4	341.0	517	950			
975	22.4	78	13.8	336.8	311	23.9	70	13.5	337.8	317	23.9	74	14.4	340.2	289	23.8	77	14.9	341.4	289	975			
1000	24.5	78	15.3	340.8	89	25.8	71	15.0	341.8	94	26.9	68	15.4	344.3	66	26.6	77	17.1	348.4	66	1000			
SFC.	25.6	85	17.7	347.6	0	26.5	84	18.4	350.8	0	30.0	67	18.1	354.9	0	27.7	77	18.2	352.1	0	SFC.			
				SURFACE PRESSURE	1010.2				SURFACE PRESSURE	1010.7				SURFACE PRESSURE	1007.4				SURFACE PRESSURE	1007.5				

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/15 530 GMT					3/15 845 GMT					3/15 12 5 GMT					3/15 18 0 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-68.2	0	0.0	458.2	19525	-67.2	0	0.0	460.5	19503	-67.4	0	0.0	460.1	19499	-70.0	21	.0	454.3	19447	60
70	-69.5	10	.0	435.7	18600	-66.9	15	.0	441.4	18566	-66.7	0	0.0	441.7	18564	-64.7	21	.0	446.1	18518	70
80	-75.8	10	.0	406.4	17823	-78.1	15	.0	401.7	17784	-77.2	22	.0	403.5	17779	-77.3	23	.0	403.4	17724	80
90	-80.1	10	.0	384.4	17147	-84.1	15	.0	376.5	17123	-80.5	22	.0	383.6	17110	-81.4	24	.0	381.8	17059	90
100	-79.8	10	.0	373.6	16551	-81.7	15	.0	369.9	16536	-82.1	22	.0	369.1	16518	-82.0	24	.0	369.3	16466	100
110	-79.1	10	.0	364.8	16010	-80.1	15	.0	363.0	15999	-79.9	22	.0	363.3	15982	-80.4	24	.0	362.5	15931	110
120	-77.6	10	.0	358.6	15515	-77.4	15	.0	358.9	15504	-76.8	21	.0	360.0	15486	-78.4	24	.0	357.2	15437	120
130	-74.1	10	.0	356.7	15052	-75.0	15	.0	355.2	15042	-74.0	21	.0	356.9	15022	-74.5	23	.0	356.0	14976	130
140	-70.9	10	.0	354.9	14617	-71.7	15	.0	353.5	14609	-71.1	21	.0	354.6	14587	-70.9	23	.0	354.9	14541	140
150	-67.8	10	.0	353.4	14205	-68.5	15	.0	352.2	14198	-68.0	21	.0	353.1	14176	-67.6	22	.0	353.7	14129	150
160	-64.3	10	.0	352.8	13814	-65.3	15	.0	351.1	13808	-65.1	20	.0	351.5	13785	-64.5	21	.0	352.5	13737	160
170	-61.1	10	.0	352.1	13440	-62.1	14	.0	350.3	13437	-62.3	20	.0	350.0	13413	-61.5	21	.0	351.4	13364	170
180	-58.3	10	.0	350.9	13083	-59.2	14	.0	349.5	13081	-59.6	20	.0	348.9	13058	-58.9	21	.0	350.0	13008	180
190	-56.0	10	.0	349.3	12741	-56.4	14	.0	348.6	12740	-56.9	20	.0	347.8	12718	-56.4	21	.0	348.6	12667	190
200	-53.4	10	.0	348.2	12413	-53.7	13	.0	347.8	12412	-54.4	20	.0	346.8	12391	-54.1	21	.0	347.3	12339	200
225	-46.6	10	.0	347.3	11643	-47.4	12	.0	346.0	11645	-48.2	20	.0	344.9	11626	-48.9	22	.0	343.9	11575	225
250	-40.6	10	.0	346.0	10935	-41.6	12	.0	344.4	10939	-41.7	18	.1	344.3	10922	-42.5	20	.1	343.2	10873	250
275	-35.5	10	.1	344.1	10278	-36.4	11	.1	342.8	10286	-36.0	17	.1	343.5	10268	-37.4	20	.1	341.5	10222	275
300	-30.9	10	.1	342.2	9667	-31.3	10	.1	341.6	9676	-31.6	17	.2	341.5	9658	-32.7	20	.2	339.9	9616	300
325	-27.0	10	.1	340.0	9094	-27.4	10	.1	339.5	9104	-27.5	17	.2	339.6	9087	-28.4	20	.2	338.4	9047	325
350	-23.4	10	.2	337.8	8557	-23.9	10	.2	337.2	8567	-23.7	17	.3	337.8	8550	-24.9	17	.2	336.1	8512	350
375	-19.3	10	.2	336.9	8048	-19.9	11	.2	336.2	8060	-20.8	18	.3	335.5	8043	-22.9	18	.3	332.4	8008	375
400	-15.5	10	.3	336.0	7564	-16.1	12	.3	335.4	7577	-16.4	18	.5	335.5	7562	-17.8	18	.4	333.5	7530	400
425	-12.1	10	.4	334.9	7104	-12.5	10	.3	334.3	7117	-12.4	16	.6	335.2	7102	-13.7	17	.5	333.4	7073	425
450	-10.5	10	.4	331.6	6665	-9.7	10	.4	332.7	6678	-10.9	16	.6	331.6	6664	-12.2	16	.5	329.9	6638	450
475	-7.9	10	.4	329.9	6247	-7.0	10	.5	331.1	6259	-7.8	15	.7	330.8	6247	-9.2	16	.6	328.9	6222	475
500	-5.1	10	.5	328.8	5847	-4.5	10	.5	329.6	5857	-5.4	16	.8	329.4	5846	-6.3	15	.7	328.0	5823	500
525	-2.4	10	.6	327.9	5461	-2.1	10	.6	328.2	5472	-3.3	17	1.0	327.9	5462	-4.1	17	.9	326.7	5440	525
550	.2	10	.7	326.9	5091	.2	10	.7	326.8	5101	-3.3	17	1.1	327.8	5092	-1.9	17	1.0	325.6	5072	550
575	2.4	10	.8	325.7	4733	2.3	10	.8	325.6	4743	2.0	17	1.3	326.9	4735	.5	17	1.1	324.5	4717	575
600	1.3	32	2.2	325.1	4390	1.2	26	1.8	323.6	4400	1.8	32	2.3	326.0	4391	1.6	20	1.4	322.9	4375	600
625	3.2	30	2.3	323.8	4060	3.3	27	2.1	323.1	4070	3.2	37	2.8	325.3	4061	1.5	29	2.0	320.7	4046	625
650	5.7	19	1.6	320.9	3741	5.6	22	2.0	321.9	3751	5.8	30	2.7	324.3	3742	4.3	27	2.1	320.9	3729	650
675	7.9	16	1.6	320.0	3431	7.9	18	1.8	320.5	3441	7.9	29	2.9	323.9	3432	6.5	31	2.7	321.8	3421	675
700	7.5	19	1.7	316.6	3131	9.9	28	3.0	323.2	3141	9.6	50	5.4	329.9	3131	7.6	46	4.3	324.4	3121	700
725	11.0	48	5.4	328.3	2840	11.3	39	4.5	326.1	2848	11.6	52	6.1	331.2	2838	9.3	42	4.2	322.9	2831	725
750	12.5	45	5.4	326.9	2556	12.7	45	5.5	327.5	2564	12.8	56	7.0	331.8	2554	11.0	38	4.1	321.4	2549	750
775	13.8	84	10.8	340.9	2280	14.2	29	3.8	321.0	2288	14.2	46	6.0	327.5	2278	12.5	34	4.0	319.9	2275	775
800	15.0	80	10.8	339.2	2011	14.8	62	8.2	331.6	2020	15.1	63	8.5	332.7	2009	13.6	45	5.5	322.4	2008	800
825	16.2	76	10.7	337.3	1749	15.8	78	10.7	336.7	1758	16.0	69	9.6	334.0	1747	14.9	39	5.0	319.6	1748	825
850	15.2	96	12.4	337.6	1495	16.5	97	13.7	342.9	1504	16.9	71	10.1	333.6	1492	15.8	53	7.0	323.5	1495	850
875	18.9	95	15.1	346.9	1246	17.8	95	14.1	342.7	1255	17.8	72	10.6	333.2	1244	16.8	59	8.1	325.0	1248	875
900	20.3	93	15.7	347.6	1002	19.4	80	12.7	338.2	1013	18.2	91	13.4	338.6	1002	17.9	55	7.9	323.2	1008	900
925	21.7	92	16.4	348.2	764	20.8	76	12.8	337.4	775	19.6	92	14.5	340.4	766	18.6	69	10.1	327.3	772	925
950	23.0	90	16.9	348.7	531	21.9	88	15.4	343.2	544	21.2	92	15.5	342.5	535	19.4	80	12.0	330.8	543	950
975	24.3	88	17.5	349.3	303	22.8	95	17.4	347.0	317	23.2	89	16.5	345.1	308	21.1	78	12.7	332.3	318	975
1000	25.6	86	18.0	349.6	79	24.9	89	17.8	348.2	94	25.1	86	17.5	347.6	85	23.7	80	14.9	338.8	97	1000
SFC.	26.0	85	18.1	349.5	0	25.7	86	18.0	348.6	0	25.8	85	17.9	348.6	0	26.0	86	18.3	349.8	0	SFC.
				SURFACE PRESSURE	1009.0				SURFACE PRESSURE	1010.7				SURFACE PRESSURE	1009.7				SURFACE PRESSURE	1011.1	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/16 0 5 GMT						3/16 555 GMT				3/16 1210 GMT				3/16 1532 GMT				P			
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-66.6	0	0.0	461.9	19607	-69.4	0	0.0	455.6	19525	-69.1	0	0.0	456.3	19477	-70.6	0	0.0	452.9	19357	60
70	-65.7	18	.0	443.9	18679	-67.2	0	0.0	440.7	18602	-67.8	0	0.0	439.4	18556	-69.9	0	0.0	434.9	18444	70
80	-72.8	18	.0	412.6	17871	-74.3	26	.0	409.5	17801	-73.8	26	.0	410.7	17758	-74.8	24	.0	408.6	17649	80
90	-77.1	18	.0	390.4	17190	-81.5	25	.0	381.7	17132	-80.3	26	.0	383.9	17086	-81.7	22	.0	381.1	16982	90
100	-79.4	19	.0	374.3	16588	-82.3	26	.0	368.7	16542	-80.4	26	.0	372.4	16491	-81.6	23	.0	370.2	16391	100
110	-79.1	19	.0	364.9	16048	-80.0	26	.0	363.2	16006	-79.4	25	.0	364.3	15951	-79.9	23	.0	363.4	15854	110
120	-76.2	19	.0	361.1	15550	-76.9	26	.0	360.0	15510	-77.3	25	.0	359.1	15456	-79.8	23	.0	354.7	15362	120
130	-73.6	19	.0	357.7	15086	-74.0	25	.0	357.0	15047	-74.6	26	.0	355.8	14993	-75.9	25	.0	353.6	14904	130
140	-70.4	19	.0	355.8	14649	-71.1	25	.0	354.5	14611	-71.2	26	.0	354.3	14559	-72.2	24	.0	352.6	14472	140
150	-66.9	19	.0	354.9	14236	-67.9	25	.0	353.1	14200	-68.1	25	.0	352.9	14148	-68.9	24	.0	351.5	14063	150
160	-63.8	19	.0	353.6	13843	-64.9	25	.0	351.7	13809	-65.1	25	.0	351.5	13757	-65.7	23	.0	350.5	13674	160
170	-60.9	18	.0	352.4	13469	-62.1	25	.0	350.4	13437	-62.2	25	.0	350.2	13385	-62.7	23	.0	349.4	13303	170
180	-58.1	18	.0	351.2	13112	-59.4	25	.0	349.2	13082	-59.4	24	.0	349.2	13030	-59.9	22	.0	348.3	12948	180
190	-55.6	18	.0	350.0	12769	-56.7	25	.0	348.1	12741	-56.7	24	.0	348.2	12689	-58.0	21	.0	346.1	12609	190
200	-53.0	18	.0	349.0	12440	-54.2	24	.0	347.0	12414	-54.1	24	.0	347.3	12362	-55.6	20	.0	344.9	12284	200
225	-47.0	17	.0	346.6	11671	-48.1	24	.1	345.1	11649	-48.2	23	.0	344.8	11596	-49.3	19	.0	343.1	11523	225
250	-41.0	17	.1	345.5	10964	-42.4	23	.1	343.4	10945	-43.1	20	.1	342.3	10894	-43.7	19	.1	341.3	10823	250
275	-35.5	17	.1	344.4	10308	-37.1	22	.1	342.0	10294	-37.1	20	.1	342.0	10244	-38.5	18	.1	339.9	10176	275
300	-30.8	16	.2	342.7	9696	-31.8	21	.2	341.3	9686	-32.5	20	.2	340.3	9637	-33.6	16	.1	338.5	9572	300
325	-26.6	15	.2	340.8	9123	-27.0	19	.2	340.5	9114	-27.8	20	.2	339.3	9067	-29.5	16	.2	336.7	9005	325
350	-22.8	15	.3	339.1	8584	-23.3	19	.3	338.7	8576	-23.8	21	.3	338.0	8530	-25.9	16	.2	334.7	8472	350
375	-19.2	16	.3	337.5	8074	-19.9	19	.4	336.8	8068	-21.3	23	.4	335.0	8024	-22.6	16	.3	332.8	7969	375
400	-15.9	16	.4	336.0	7591	-16.8	19	.5	335.0	7586	-18.0	22	.5	333.5	7545	-19.7	18	.4	330.8	7493	400
425	-11.8	15	.5	335.8	7130	-13.0	17	.6	334.5	7127	-14.3	20	.6	332.8	7088	-16.1	17	.4	330.0	7040	425
450	-8.6	14	.6	334.8	6690	-10.4	24	.9	333.5	6689	-11.8	23	.8	331.4	6652	-12.5	16	.5	329.6	6607	450
475	-7.2	14	.7	331.5	6270	-7.3	21	1.0	332.4	6270	-9.3	24	1.0	329.9	6237	-10.8	18	.6	326.9	6192	475
500	-4.4	14	.8	330.5	5868	-4.5	18	1.0	331.2	5868	-6.3	21	1.0	328.9	5838	-7.7	14	.6	325.9	5795	500
525	-1.8	15	.9	329.6	5482	-1.7	15	1.0	329.9	5482	-3.7	18	1.0	327.6	5455	-5.6	14	.7	324.2	5414	525
550	.7	15	1.1	328.8	5110	.1	17	1.2	328.4	5111	-2.8	21	1.2	324.9	5087	-3.7	15	.8	322.5	5048	550
575	2.9	15	1.2	327.8	4752	1.7	18	1.4	326.8	4754	-1.8	23	1.3	322.5	4734	-3.1	17	.9	319.5	4696	575
600	2.5	19	1.4	324.0	4409	1.8	23	1.6	323.8	4412	.8	25	1.7	322.7	4394	-1.1	17	1.0	318.3	4359	600
625	5.2	19	1.6	323.9	4077	4.3	23	1.9	323.7	4081	3.4	26	2.0	323.1	4064	1.5	16	1.1	317.8	4032	625
650	7.7	18	1.8	324.0	3756	6.8	22	2.1	323.7	3760	5.8	28	2.4	323.6	3745	3.9	14	1.1	317.2	3715	650
675	10.1	19	2.2	324.2	3444	8.8	28	2.9	325.0	3449	8.0	30	3.0	324.2	3435	6.3	13	1.2	316.7	3407	675
700	10.8	32	3.7	326.2	3141	9.8	47	5.1	329.3	3148	8.1	47	4.6	325.8	3134	6.6	20	1.7	315.4	3108	700
725	12.5	34	4.2	326.6	2848	11.9	45	5.4	329.5	2855	9.7	50	5.3	326.4	2844	8.0	40	3.7	320.0	2820	725
750	14.4	32	4.4	326.3	2562	13.9	44	5.8	329.7	2570	12.1	47	5.5	326.7	2561	9.9	42	4.3	320.7	2539	750
775	16.1	33	4.9	326.6	2285	15.1	50	7.0	331.6	2293	14.4	43	5.7	326.8	2285	11.8	44	4.9	321.6	2266	775
800	16.8	42	6.4	328.7	2014	16.8	44	6.6	329.4	2023	15.0	44	5.8	324.9	2016	13.1	47	5.6	322.1	1999	800
825	18.3	41	6.6	328.2	1752	18.6	34	5.6	325.5	1760	16.7	50	7.2	327.9	1755	13.8	48	5.7	320.3	1740	825
850	20.7	26	4.6	322.3	1495	19.0	53	8.7	332.2	1503	16.9	70	10.0	333.2	1501	15.1	63	8.0	325.5	1488	850
875	20.9	34	6.1	324.0	1244	19.5	72	11.8	338.6	1254	17.1	90	12.8	338.3	1253	15.3	87	10.9	330.9	1241	875
900	21.6	44	7.9	327.5	1001	20.3	79	13.2	340.7	1010	18.8	92	14.2	341.4	1010	16.0	94	12.0	332.0	1001	900
925	22.4	53	9.8	331.1	762	21.0	86	14.7	342.8	772	20.3	92	15.1	343.0	773	17.5	95	13.0	333.7	767	925
950	23.2	62	11.8	334.7	530	21.9	90	15.9	344.4	540	21.3	93	15.9	343.6	542	19.3	94	14.1	336.5	538	950
975	24.1	70	13.6	338.4	302	23.5	85	16.1	344.2	313	22.4	94	16.6	344.3	315	21.8	92	15.8	341.3	312	975
1000	26.9	66	14.9	342.8	79	25.0	80	16.2	343.8	90	24.5	90	17.7	347.2	93	24.3	90	17.5	346.5	90	1000
SFC.	30.6	64	17.8	354.9	0	25.6	78	16.2	343.6	0	25.4	88	18.1	348.4	0	25.3	89	18.2	348.6	0	SFC.
				SURFACE PRESSURE	1008.9				SURFACE PRESSURE	1010.3				SURFACE PRESSURE	1010.6				SURFACE PRESSURE	1010.3	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/16 1831 GMT						3/16 2030 GMT						3/17 013 GMT						3/17 3 0 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-59.3	0	0.0	478.2	19378	-68.2	0	0.0	458.3	19509	-69.3	0	0.0	455.9	19526	0.0	0	0.0	0.0	0	60		
70	-67.6	0	0.0	439.7	18441	-69.3	0	0.0	436.2	18589	-69.3	0	0.0	436.0	18611	0.0	0	0.0	0.0	0	70		
80	-69.3	0	0.0	419.9	17643	-71.2	22	.0	415.9	17785	-65.4	18	.0	427.9	17807	0.0	0	0.0	0.0	0	80		
90	-65.9	20	.0	412.8	16933	-80.6	23	.0	383.3	17108	-79.0	18	.0	386.6	17114	0.0	0	0.0	0.0	0	90		
100	-80.3	20	.0	372.6	16313	-79.0	23	.0	375.2	16512	-79.0	20	.0	375.1	16517	0.0	0	0.0	0.0	0	100		
110	-80.6	20	.0	362.0	15775	-77.7	23	.0	367.5	15968	-78.8	19	.0	365.4	15974	0.0	0	0.0	0.0	0	110		
120	-79.8	20	.0	354.6	15285	-77.1	23	.0	359.6	15469	-77.7	19	.0	358.4	15478	0.0	0	0.0	0.0	0	120		
130	-77.4	20	.0	350.8	14829	-74.4	23	.0	356.2	15007	-76.0	19	.0	353.4	15018	0.0	0	0.0	0.0	0	130		
140	-75.2	20	.0	347.3	14401	-71.0	22	.0	354.8	14572	-72.1	19	.0	352.8	14586	0.0	0	0.0	0.0	0	140		
150	-72.9	20	.0	344.5	13999	-67.6	22	.0	353.6	14160	-68.6	19	.0	352.0	14176	0.0	0	0.0	0.0	0	150		
160	-69.7	20	.0	343.7	13618	-64.5	21	.0	352.4	13768	-65.3	19	.0	351.0	13787	-63.0	20	.0	355.1	13820	160		
170	-66.6	20	.0	342.9	13254	-61.8	21	.0	351.0	13396	-62.3	19	.0	350.0	13415	-60.4	19	.0	353.2	13445	170		
180	-63.7	20	.0	342.1	12906	-59.1	21	.0	349.6	13040	-59.5	18	.0	349.0	13060	-58.0	19	.0	351.5	13086	180		
190	-61.0	19	.0	341.2	12572	-56.7	21	.0	348.2	12699	-56.8	18	.0	348.0	12719	-55.7	18	.0	349.8	12744	190		
200	-58.4	19	.0	340.4	12251	-54.3	21	.0	346.8	12372	-54.2	18	.0	347.1	12392	-53.5	18	.0	348.1	12416	200		
225	-52.3	19	.0	338.4	11500	-48.3	21	.0	344.7	11607	-48.2	18	.0	344.8	11627	-47.4	18	.0	346.0	11648	225		
250	-46.4	18	.0	337.3	10810	-42.6	21	.1	343.1	10904	-42.8	18	.1	342.7	10924	-42.0	18	.1	344.0	10943	250		
275	-41.0	18	.1	336.2	10169	-37.2	20	.1	341.8	10253	-37.6	18	.1	341.2	10274	-37.1	18	.1	342.0	10291	275		
300	-36.1	17	.1	335.0	9571	-32.4	20	.2	340.4	9646	-32.5	17	.1	340.2	9667	-31.7	17	.2	341.4	9683	300		
325	-31.6	17	.1	333.7	9010	-28.5	21	.2	338.4	9077	-27.8	17	.2	339.3	9098	-27.2	17	.2	340.1	9111	325		
350	-27.6	18	.2	332.4	8482	-24.0	19	.3	337.6	8542	-23.6	16	.3	338.0	8560	-23.3	16	.3	338.5	8573	350		
375	-23.0	18	.3	332.2	7981	-20.9	18	.4	335.3	8036	-19.7	15	.3	336.8	8052	-19.2	16	.3	337.6	8064	375		
400	-20.3	17	.3	329.8	7506	-17.6	19	.4	333.8	7555	-16.1	14	.4	335.6	7570	-15.4	15	.4	336.7	7580	400		
425	-17.0	17	.4	328.7	7054	-14.5	19	.6	332.4	7099	-13.7	14	.4	333.1	7111	-12.9	16	.5	334.4	7121	425		
450	-13.8	16	.5	327.7	6623	-12.1	18	.6	330.3	6663	-10.1	13	.5	332.5	6674	-9.6	15	.6	333.5	6682	450		
475	-10.8	16	.6	326.7	6210	-10.6	18	.6	327.1	6249	-7.2	13	.6	331.3	6255	-6.8	15	.7	332.2	6262	475		
500	-9.2	20	.7	324.5	5814	-6.5	18	.8	328.2	5851	-4.9	13	.7	329.7	5853	-4.4	14	.8	330.6	5860	500		
525	-6.6	18	.8	323.3	5435	-3.9	17	.9	327.0	5468	-2.9	13	.8	327.8	5468	-2.0	14	.8	329.1	5474	525		
550	-4.0	15	.8	322.2	5070	-2.0	17	1.0	325.3	5099	-1.0	13	.8	325.9	5099	.0	13	.9	327.4	5103	550		
575	-2.1	15	.8	320.4	4718	-1.0	19	1.1	322.7	4745	.6	14	.9	324.0	4743	1.1	16	1.1	325.2	4747	575		
600	-1.3	17	1.0	318.0	4379	.8	19	1.3	321.5	4405	2.4	15	1.1	322.8	4401	3.1	17	1.3	324.3	4404	600		
625	.1	18	1.1	316.3	4053	3.3	20	1.5	321.4	4076	4.5	17	1.4	322.4	4070	5.0	18	1.6	323.5	4072	625		
650	1.9	18	1.2	315.2	3738	5.8	20	1.8	321.4	3757	6.6	16	1.5	321.6	3750	6.8	19	1.8	322.7	3751	650		
675	4.9	17	1.4	315.8	3432	7.7	22	2.2	321.5	3447	8.7	14	1.4	320.1	3439	8.5	20	2.1	322.1	3440	675		
700	7.5	17	1.6	316.0	3134	9.2	27	2.8	321.7	3146	9.2	23	2.4	320.5	3139	9.7	25	2.7	322.1	3139	700		
725	9.0	18	1.8	315.1	2845	10.7	31	3.4	322.0	2855	11.1	29	3.3	322.3	2847	11.8	27	3.2	322.8	2847	725		
750	9.3	28	2.7	315.3	2564	12.3	33	3.9	322.4	2572	13.3	21	2.7	319.9	2563	13.9	28	3.7	323.6	2563	750		
775	12.1	38	4.3	320.3	2291	13.8	35	4.5	322.8	2296	15.0	23	3.2	320.3	2287	15.5	31	4.5	324.6	2285	775		
800	14.5	40	5.2	322.5	2024	15.2	34	4.7	321.8	2028	16.4	29	4.2	322.0	2017	16.8	36	5.4	325.8	2016	800		
825	16.0	35	4.8	320.4	1763	16.5	32	4.6	320.2	1767	17.3	40	6.0	325.2	1755	17.8	43	6.7	327.8	1753	825		
850	15.6	67	8.8	328.2	1509	16.0	59	8.0	326.5	1513	17.6	56	8.4	329.6	1500	16.3	86	11.8	337.4	1498	850		
875	16.4	78	10.5	331.0	1263	17.3	64	9.1	328.3	1266	18.0	72	10.7	333.7	1252	18.2	82	12.5	338.8	1249	875		
900	17.8	79	11.3	332.2	1022	18.7	68	10.2	330.3	1024	19.2	74	11.7	335.0	1009	20.1	79	13.1	340.1	1006	900		
925	19.2	80	12.1	333.5	786	19.8	73	11.5	332.5	788	20.6	75	12.4	336.1	772	21.9	76	13.7	341.3	768	925		
950	20.5	81	13.0	334.8	555	20.7	79	12.9	334.8	557	22.0	75	13.2	337.2	541	22.9	78	14.6	342.0	536	950		
975	22.2	80	14.0	336.9	330	22.1	81	14.0	337.0	331	23.8	74	14.2	339.4	314	23.9	78	15.2	342.4	308	975		
1000	24.4	84	16.3	343.5	108	23.9	79	14.9	339.1	110	25.8	72	15.2	342.4	91	26.6	78	17.4	349.2	85	1000		
SFC.	25.8	92	19.4	352.3	0	26.7	87	19.3	353.3	0	27.7	74	17.4	349.6	0	29.1	80	20.5	360.2	0	SFC.		
				SURFACE PRESSURE	1012.3				SURFACE PRESSURE	1012.5				SURFACE PRESSURE	1010.3				SURFACE PRESSURE	1009.6			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/17 547 GMT						3/17 1145 GMT					3/17 1750 GMT					3/18 0 0 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-68.3	23	.0	458.1	19487	-65.2	0	0.0	464.9	19463	-64.4	0	0.0	466.8	19506	-65.7	0	0.0	463.9	19571	60	
70	-72.5	23	.0	429.3	18578	-69.9	18	.0	434.9	18533	-69.6	16	.0	435.6	18572	-70.9	0	0.0	432.7	18644	70	
80	-71.3	25	.0	415.8	17785	-70.7	18	.0	417.0	17743	-73.5	17	.0	411.1	17782	-69.8	16	.0	418.9	17852	80	
90	-80.8	23	.0	383.0	17108	-79.8	18	.0	384.9	17065	-81.5	18	.0	381.6	17112	-77.9	16	.0	388.9	17166	90	
100	-80.6	24	.0	372.0	16514	-80.5	18	.0	372.2	16470	-81.3	18	.0	370.7	16521	-80.5	17	.0	372.2	16567	100	
110	-78.8	23	.0	365.5	15974	-78.7	18	.0	365.6	15931	-78.1	17	.0	366.7	15981	-79.8	17	.0	363.5	16029	110	
120	-76.9	23	.0	360.0	15477	-75.7	17	.0	362.2	15432	-75.2	17	.0	363.1	15480	-77.1	17	.0	359.5	15533	120	
130	-74.4	22	.0	356.3	15014	-73.7	17	.0	357.5	14966	-72.5	17	.0	359.7	15013	-74.1	16	.0	356.8	15070	130	
140	-71.6	22	.0	353.6	14580	-71.8	17	.0	353.4	14531	-70.0	16	.0	356.5	14574	-71.0	16	.0	354.7	14635	140	
150	-68.4	21	.0	352.3	14169	-69.1	16	.0	351.1	14122	-67.3	16	.0	354.2	14161	-67.8	17	.0	353.3	14223	150	
160	-65.3	21	.0	351.0	13779	-66.2	16	.0	349.6	13734	-64.5	16	.0	352.4	13770	-64.8	17	.0	351.9	13832	160	
170	-62.5	21	.0	349.8	13408	-63.2	16	.0	348.6	13364	-61.9	16	.0	350.8	13397	-61.8	17	.0	350.9	13460	170	
180	-59.8	21	.0	348.5	13053	-60.3	15	.0	347.7	13010	-59.4	16	.0	349.2	13041	-58.7	16	.0	350.2	13104	180	
190	-57.2	20	.0	347.3	12713	-57.6	15	.0	346.7	12670	-56.7	16	.0	348.1	12701	-55.8	16	.0	349.5	12762	190	
200	-54.8	20	.0	346.2	12387	-55.0	15	.0	345.7	12345	-54.1	16	.0	347.2	12373	-53.1	16	.0	348.8	12433	200	
225	-48.3	20	.0	344.7	11623	-49.2	16	.0	343.3	11582	-48.1	16	.0	344.9	11608	-46.8	15	.0	347.0	11663	225	
250	-42.6	20	.1	343.1	10920	-43.9	17	.1	341.0	10883	-42.8	16	.1	342.7	10905	-41.1	14	.1	345.2	10956	250	
275	-37.5	19	.1	341.3	10269	-38.6	15	.1	339.7	10236	-38.5	17	.1	339.8	10256	-37.5	17	.1	341.3	10302	275	
300	-32.4	17	.1	340.3	9663	-33.7	14	.1	338.4	9632	-33.1	16	.1	339.2	9652	-33.1	18	.1	339.3	9697	300	
325	-28.0	17	.2	338.9	9093	-29.1	13	.1	337.1	9065	-28.7	16	.2	337.8	9084	-27.7	16	.2	339.3	9128	325	
350	-24.1	17	.3	337.4	8556	-24.7	11	.2	336.2	8531	-24.7	15	.2	336.4	8549	-23.0	16	.3	338.9	8590	350	
375	-20.4	16	.3	335.9	8049	-21.0	12	.2	334.7	8025	-20.9	15	.3	335.1	8043	-19.2	16	.4	337.6	8081	375	
400	-17.0	16	.4	334.5	7568	-18.0	16	.4	333.0	7545	-17.3	14	.3	333.9	7563	-15.2	16	.5	337.1	7597	400	
425	-14.4	17	.5	332.3	7111	-15.2	19	.5	331.4	7090	-14.9	19	.5	331.9	7106	-12.1	16	.6	335.5	7136	425	
450	-11.2	17	.6	331.4	6675	-11.9	13	.4	330.0	6655	-11.1	15	.5	331.3	6671	-9.2	15	.6	334.1	6697	450	
475	-8.4	15	.6	329.9	6258	-9.3	10	.4	327.9	6239	-8.9	13	.5	328.9	6254	-6.7	14	.7	332.4	6276	475	
500	-6.4	13	.6	327.5	5859	-7.6	10	.4	325.4	5842	-7.7	13	.6	325.7	5856	-4.4	14	.8	330.5	5874	500	
525	-3.9	12	.7	326.2	5476	-4.8	10	.5	324.5	5460	-5.1	13	.6	324.6	5474	-2.2	13	.8	328.7	5488	525	
550	-2.4	12	.7	323.7	5107	-2.0	10	.6	323.9	5093	-2.6	12	.7	323.5	5107	-.1	12	.8	327.0	5118	550	
575	-.4	12	.8	322.3	4753	-.5	10	.6	321.7	4738	-.2	12	.8	322.5	4753	1.6	12	.9	325.1	4761	575	
600	1.9	17	1.2	322.5	4412	1.0	13	.9	320.3	4398	2.0	12	.9	321.6	4412	3.2	12	1.0	323.3	4417	600	
625	4.2	23	1.9	323.7	4081	3.2	23	1.8	322.0	4068	4.1	13	1.0	320.8	4081	5.1	13	1.2	322.4	4085	625	
650	6.3	27	2.5	324.3	3761	5.2	24	2.0	321.7	3749	6.2	13	1.2	320.0	3761	7.1	15	1.4	321.9	3764	650	
675	7.4	20	1.9	320.4	3451	7.3	11	1.1	317.6	3440	8.1	14	1.4	319.4	3451	9.0	17	1.8	321.6	3453	675	
700	8.6	36	3.6	323.4	3151	8.2	29	2.8	320.6	3141	9.7	17	1.8	319.2	3151	10.8	18	2.1	321.4	3151	700	
725	10.6	37	4.0	323.9	2860	10.2	26	2.8	319.7	2850	11.2	20	2.2	319.1	2859	12.5	20	2.4	321.3	2858	725	
750	12.5	37	4.5	324.5	2577	12.0	29	3.3	320.2	2567	12.6	22	2.7	319.1	2575	13.4	27	3.5	322.3	2574	750	
775	14.4	38	5.1	325.1	2301	13.0	48	5.8	325.7	2292	14.1	26	3.4	319.6	2300	13.9	37	4.8	323.7	2298	775	
800	16.2	39	5.7	325.9	2032	14.1	65	8.2	330.7	2024	13.5	48	5.8	323.0	2031	14.4	47	6.0	324.9	2030	800	
825	17.4	48	7.3	328.9	1769	15.8	60	8.2	329.6	1763	13.0	62	7.1	323.2	1773	15.5	54	7.2	326.7	1769	825	
850	15.8	91	12.2	338.1	1515	16.6	65	9.2	330.5	1509	15.1	95	12.2	337.1	1520	17.5	59	8.8	330.7	1515	850	
875	18.0	86	12.8	339.5	1267	16.1	92	12.2	335.3	1262	16.7	92	12.7	337.4	1273	19.0	66	10.4	334.1	1266	875	
900	18.6	94	14.3	341.4	1025	17.5	95	13.4	337.7	1021	18.2	88	13.1	337.6	1031	20.1	70	11.6	335.9	1023	900	
925	20.1	95	15.4	343.6	788	19.0	97	14.7	340.2	785	19.8	85	13.4	337.7	795	21.1	75	12.8	337.9	785	925	
950	21.9	94	16.5	346.0	556	20.6	98	15.9	342.9	554	21.2	82	13.8	337.8	564	22.4	77	14.0	339.9	553	950	
975	23.6	92	17.5	348.3	329	22.7	94	17.0	345.7	328	23.0	83	15.3	341.7	337	24.6	72	14.6	341.7	325	975	
1000	25.3	90	18.6	350.7	106	24.7	91	18.0	348.4	105	24.9	86	17.4	346.9	115	26.7	68	15.2	343.3	102	1000	
SFC.	26.1	89	19.1	351.9	0	25.6	89	18.5	349.7	0	25.8	88	18.5	349.8	0	29.2	75	19.3	356.7	0	SFC.	
				SURFACE PRESSURE	1012.0				SURFACE PRESSURE	1012.0				SURFACE PRESSURE	1013.1				SURFACE PRESSURE	1011.5		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/18 531 GMT							3/18 1255 GMT					3/18 1740 GMT					3/18 2035 GMT								
P	T	RH	W	EPT	H		T	RH	W	EPT	H		T	RH	W	EPT	H		T	RH	W	EPT	H	P	
60	-67.9	0	0.0	458.9	19545		-68.0	0	0.0	458.7	19452		-69.3	0	0.0	455.8	19505		-63.9	0	0.0	467.9	19492	60	
70	-70.8	0	0.0	433.0	18625		-70.6	15	.0	433.4	18531		-71.0	20	.0	432.5	18588		-70.2	0	0.0	434.1	18567	70	
80	-71.6	0	0.0	415.0	17838		-73.3	15	.0	411.5	17747		-71.6	20	.0	415.1	17801		-73.3	0	0.0	411.5	17784	80	
90	-72.9	21	.0	398.8	17138		-75.5	15	.0	393.6	17056		-76.5	20	.0	391.6	17108		-73.6	19	.0	397.4	17091	90	
100	-81.2	21	.0	370.9	16535		-77.9	15	.0	377.2	16451		-80.5	20	.0	372.3	16510		-79.4	19	.0	374.3	16484	100	
110	-80.7	21	.0	361.9	15999		-80.2	15	.0	362.8	15912		-78.3	20	.0	366.3	15969		-79.7	20	.0	363.7	15946	110	
120	-77.7	21	.0	358.4	15505		-77.3	15	.0	359.1	15417		-76.4	20	.0	360.9	15470		-77.7	20	.0	358.4	15451	120	
130	-74.9	21	.0	355.3	15043		-74.7	14	.0	355.7	14955		-74.0	20	.0	356.9	15007		-74.4	20	.0	356.2	14989	130	
140	-72.0	21	.0	353.0	14610		-72.2	14	.0	352.7	14521		-70.7	20	.0	355.3	14571		-71.4	19	.0	354.0	14554	140	
150	-68.6	21	.0	352.0	14200		-69.1	14	.0	351.0	14112		-67.6	20	.0	353.8	14159		-68.6	19	.0	352.0	14144	150	
160	-65.4	20	.0	350.9	13811		-66.3	15	.0	349.5	13724		-64.6	20	.0	352.3	13767		-66.0	19	.0	350.0	13754	160	
170	-62.4	20	.0	349.8	13439		-63.6	15	.0	347.9	13354		-61.7	20	.0	351.1	13394		-63.2	19	.0	348.6	13384	170	
180	-59.5	24	.0	349.1	13084		-60.8	15	.0	346.8	13001		-59.0	20	.0	349.9	13038		-60.3	19	.0	347.7	13030	180	
190	-56.5	31	.0	348.5	12743		-58.0	14	.0	346.1	12663		-56.4	19	.0	348.7	12697		-57.5	18	.0	346.8	12691	190	
200	-53.7	37	.0	347.9	12416		-55.2	13	.0	345.4	12338		-53.9	19	.0	347.5	12370		-54.9	18	.0	345.9	12365	200	
225	-47.4	51	.1	346.5	11648		-48.7	12	.0	344.1	11575		-47.7	18	.0	345.7	11603		-48.5	18	.0	344.4	11602	225	
250	-41.6	64	.3	345.2	10942		-41.9	11	.0	344.0	10872		-41.9	18	.1	344.1	10898		-42.6	17	.1	343.0	10899	250	
275	-36.5	75	.5	344.2	10289		-35.7	10	.1	343.8	10218		-36.7	17	.1	342.5	10245		-37.3	17	.1	341.6	10248	275	
300	-34.1	46	.3	338.7	9681		-34.1	15	.1	337.8	9610		-33.0	19	.1	339.5	9638		-32.5	16	.1	340.2	9641	300	
325	-29.4	33	.3	337.5	9116		-32.2	55	.4	334.0	9049		-29.8	21	.2	336.5	9071		-29.4	18	.2	337.0	9073	325	
350	-24.2	27	.4	337.8	8582		-27.0	31	.4	333.7	8520		-26.8	32	.4	334.1	8541		-27.3	24	.3	333.0	8542	350	
375	-19.4	21	.5	337.8	8074		-22.5	23	.4	333.2	8018		-22.0	27	.5	334.3	8039		-22.6	21	.3	333.1	8041	375	
400	-16.6	29	.8	336.2	7591		-18.8	32	.7	333.1	7541		-17.5	22	.5	334.2	7560		-18.5	20	.5	332.7	7563	400	
425	-13.7	23	.7	334.0	7133		-15.4	15	.4	330.9	7086		-15.3	26	.7	332.0	7103		-15.4	25	.7	331.7	7108	425	
450	-11.0	20	.7	332.1	6696		-12.5	10	.3	328.7	6652		-11.8	21	.7	331.1	6669		-12.0	23	.8	331.0	6673	450	
475	-8.3	18	.8	330.6	6279		-9.1	10	.4	328.2	6237		-8.5	17	.7	330.0	6252		-8.6	19	.8	330.3	6257	475	
500	-5.7	17	.8	329.2	5879		-6.4	10	.5	327.0	5838		-6.0	17	.8	328.7	5853		-5.4	16	.8	329.4	5857	500	
525	-3.2	16	.9	327.8	5495		-3.8	10	.5	325.8	5455		-4.6	29	1.5	328.1	5470		-3.9	17	.9	327.1	5474	525	
550	-.9	15	1.0	326.5	5125		-1.4	10	.6	324.7	5086		-1.7	20	1.2	326.3	5101		-1.4	16	1.0	326.0	5105	550	
575	1.4	14	1.0	325.2	4769		1.0	10	.7	323.7	4731		.7	15	1.1	324.6	4746		1.0	16	1.1	325.1	4749	575	
600	2.6	42	3.2	329.7	4425		2.3	10	.7	321.5	4388		2.6	16	1.2	323.3	4403		3.2	15	1.2	324.1	4406	600	
625	4.7	18	1.5	323.1	4094		3.4	10	.8	319.1	4058		4.2	17	1.4	322.0	4073		4.6	14	1.2	322.0	4074	625	
650	6.8	18	1.7	322.6	3774		5.2	11	.9	318.1	3739		5.4	20	1.7	320.8	3753		6.0	17	1.5	320.9	3754	650	
675	8.9	19	2.0	322.2	3463		7.4	12	1.1	317.9	3430		8.0	20	2.0	321.2	3443		7.5	21	2.0	320.8	3445	675	
700	10.9	19	2.2	321.8	3161		9.5	13	1.4	317.7	3130		10.5	20	2.2	321.6	3142		10.1	20	2.3	321.2	3144	700	
725	12.8	21	2.6	322.1	2867		11.6	14	1.6	317.6	2838		12.3	19	2.4	320.8	2849		11.6	19	2.2	319.3	2852	725	
750	14.1	34	4.6	326.4	2582		13.3	11	1.5	315.9	2554		12.8	22	2.7	319.3	2565		11.7	41	4.7	323.9	2568	750	
775	15.3	47	6.6	330.7	2305		14.7	11	1.5	314.8	2278		13.5	27	3.3	318.8	2290		13.3	36	4.4	321.9	2293	775	
800	16.4	44	6.4	328.4	2035		15.9	15	2.1	314.9	2010		14.7	32	4.3	320.1	2022		14.8	40	5.2	323.0	2025	800	
825	17.5	41	6.2	326.1	1773		17.1	17	2.5	314.7	1748		16.0	38	5.3	321.5	1761		15.8	51	6.9	326.1	1764	825	
850	17.7	62	9.3	332.3	1517		18.3	19	2.9	314.5	1494		17.1	44	6.4	323.4	1507		16.6	50	7.0	324.4	1510	850	
875	17.9	83	12.4	338.3	1269		15.1	99	12.3	334.6	1248		18.2	65	9.8	331.3	1259		16.3	68	9.1	327.3	1263	875	
900	18.9	91	14.1	341.3	1026		16.7	98	13.2	336.0	1008		18.9	70	10.8	332.2	1017		17.0	71	9.7	326.9	1023	900	
925	20.2	93	15.2	343.2	789		18.2	98	14.1	337.5	773		19.6	73	11.3	331.8	781		18.9	65	9.7	326.5	788	925	
950	21.6	95	16.3	345.2	557		19.7	97	14.9	339.1	543		20.2	75	11.9	331.5	550		20.9	60	9.9	326.9	558	950	
975	23.5	89	16.9	346.7	330		21.6	94	15.9	341.3	317		21.9	76	13.1	334.3	325		22.5	65	11.6	330.8	332	975	
1000	25.5	84	17.4	347.9	107		24.2	87	16.8	344.4	96		24.3	80	15.6	341.5	103		24.6	76	14.9	339.8	111	1000	
SFC.	26.4	81	17.6	348.3	0		25.3	84	17.1	345.7	0		25.6	87	18.1	348.5	0		26.2	85	18.3	349.8	0	SFC.	
				SURFACE PRESSURE	1012.2					SURFACE PRESSURE	1010.9					SURFACE PRESSURE	1011.8						SURFACE PRESSURE	1012.6	



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/18 2343 GMT						3/19 255 GMT				3/19 6 5 GMT				3/19 9 0 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P					
60	-67.3	18	.0	460.3	19550	-67.3	0	0.0	460.3	19495	-63.5	0	0.0	468.8	19494	-65.3	0	0.0	464.8	19472	60
70	-70.8	18	.0	433.1	18632	-71.0	18	.0	432.6	18573	-73.5	22	.0	427.3	18574	-72.8	0	0.0	428.7	18557	70
80	-73.5	18	.0	411.1	17848	-74.2	18	.0	409.8	17794	-75.5	22	.0	407.0	17798	-73.1	0	0.0	411.9	17777	80
90	-71.6	18	.0	401.4	17156	-74.2	19	.0	396.1	17104	-75.4	22	.0	393.7	17115	-77.3	16	.0	390.0	17093	90
100	-78.0	18	.0	377.1	16543	-76.8	19	.0	379.4	16497	-77.4	23	.0	378.2	16510	-79.1	16	.0	374.9	16492	100
110	-78.8	18	.0	365.4	16001	-79.1	19	.0	364.8	15955	-77.7	23	.0	367.5	15964	-78.3	15	.0	366.3	15949	110
120	-77.0	18	.0	359.7	15504	-77.0	19	.0	359.7	15458	-77.3	23	.0	359.1	15465	-77.5	15	.0	358.9	15452	120
130	-74.4	18	.0	356.3	15041	-74.8	19	.0	355.4	14996	-75.3	23	.0	354.7	15005	-75.2	15	.0	354.8	14990	130
140	-71.3	18	.0	354.2	14606	-71.7	19	.0	353.5	14562	-72.2	22	.0	352.6	14572	-73.1	15	.0	351.1	14558	140
150	-68.5	17	.0	352.1	14196	-68.8	19	.0	351.5	14152	-69.4	22	.0	350.6	14163	-69.6	15	.0	350.3	14151	150
160	-65.9	17	.0	350.2	13806	-65.9	19	.0	350.1	13763	-66.4	22	.0	349.2	13775	-66.3	15	.0	349.4	13763	160
170	-63.4	17	.0	348.3	13436	-62.8	19	.0	349.3	13392	-63.2	21	.0	348.5	13406	-63.2	15	.0	348.5	13393	170
180	-60.3	16	.0	347.6	13083	-59.8	18	.0	348.4	13038	-60.2	21	.0	347.9	13052	-60.3	14	.0	347.7	13039	180
190	-57.2	16	.0	347.3	12743	-57.0	18	.0	347.6	12698	-57.3	20	.0	347.2	12712	-57.5	14	.0	346.8	12700	190
200	-54.3	15	.0	346.8	12417	-54.1	18	.0	347.2	12371	-54.5	20	.0	346.5	12386	-54.9	14	.0	345.9	12374	200
225	-47.4	15	.0	346.1	11650	-47.5	17	.0	345.9	11604	-48.3	18	.0	344.7	11621	-48.8	14	.0	343.9	11611	225
250	-41.1	14	.1	345.3	10944	-41.6	16	.1	344.5	10899	-42.4	18	.1	343.3	10918	-42.3	13	.0	343.3	10908	250
275	-35.6	14	.1	344.1	10288	-36.2	16	.1	343.2	10245	-37.0	18	.1	342.1	10267	-36.8	13	.1	342.3	10256	275
300	-31.4	15	.1	341.8	9677	-31.3	15	.1	341.8	9635	-32.4	19	.2	340.4	9659	-33.0	13	.1	339.3	9649	300
325	-27.4	16	.2	339.7	9106	-29.4	18	.2	336.9	9065	-28.4	20	.2	338.4	9090	-29.3	14	.1	336.9	9082	325
350	-23.8	17	.3	337.7	8568	-27.1	30	.4	333.5	8533	-24.8	21	.3	336.6	8554	-25.8	14	.2	334.7	8549	350
375	-20.5	17	.3	335.9	8061	-22.2	25	.4	333.8	8032	-21.4	22	.4	334.9	8049	-21.8	13	.2	333.6	8045	375
400	-17.3	18	.4	334.2	7581	-17.5	20	.5	334.1	7553	-18.2	23	.5	333.3	7570	-17.3	11	.3	333.6	7566	400
425	-13.9	18	.6	333.2	7123	-14.2	19	.6	333.0	7096	-14.1	24	.7	333.6	7114	-14.8	15	.4	331.6	7109	425
450	-10.7	18	.7	332.3	6686	-11.0	19	.7	331.9	6659	-10.8	25	.9	333.0	6677	-11.4	16	.6	331.0	6674	450
475	-7.7	17	.8	331.3	6268	-8.0	18	.8	331.0	6242	-8.2	27	1.2	332.1	6259	-8.3	16	.7	330.3	6257	475
500	-4.8	16	.8	330.3	5867	-5.2	18	.9	330.0	5841	-5.7	29	1.5	331.2	5859	-5.7	15	.8	328.9	5857	500
525	-2.2	15	.9	329.2	5481	-2.5	17	1.0	329.1	5456	-3.3	30	1.7	330.3	5475	-3.8	36	1.9	330.5	5473	525
550	-.0	14	1.0	327.6	5111	-.4	17	1.2	327.8	5086	-1.0	20	1.3	327.5	5105	-1.8	24	1.4	327.0	5104	550
575	2.0	14	1.0	326.0	4754	1.6	18	1.3	326.4	4729	1.0	29	2.1	328.2	4749	-.2	68	4.4	334.1	4749	575
600	3.9	13	1.1	324.5	4409	3.5	18	1.5	325.2	4385	2.1	41	3.1	328.6	4406	1.7	85	6.1	337.5	4407	600
625	4.7	42	3.6	329.7	4077	3.6	59	4.7	331.5	4054	3.4	72	5.6	334.0	4076	3.9	70	5.7	335.0	4076	625
650	6.4	50	4.6	331.1	3756	5.4	40	3.4	326.2	3734	6.0	55	5.0	331.7	3756	6.2	39	3.6	327.6	3755	650
675	8.6	45	4.7	330.3	3445	7.7	32	3.1	324.3	3424	8.5	41	4.2	328.8	3445	8.1	59	5.9	333.2	3444	675
700	10.6	39	4.5	328.6	3143	8.8	51	5.2	328.5	3124	10.5	47	5.3	330.9	3143	8.6	59	6.0	330.5	3143	700
725	12.1	33	4.0	325.5	2850	10.9	46	5.1	327.4	2832	12.9	39	5.0	329.4	2850	9.2	93	9.4	337.7	2853	725
750	12.2	68	8.1	334.5	2566	12.9	38	4.7	325.5	2548	15.2	31	4.5	327.3	2564	10.7	95	10.3	338.8	2570	750
775	13.8	62	8.0	332.8	2289	14.5	37	4.9	324.7	2272	15.6	35	5.0	326.2	2286	12.0	95	10.9	338.8	2295	775
800	15.3	57	7.8	331.0	2021	15.8	38	5.3	324.5	2003	14.6	72	9.4	334.8	2016	13.4	94	11.4	338.8	2027	800
825	16.9	51	7.5	329.1	1759	16.6	57	8.2	330.7	1741	15.6	85	11.5	338.7	1755	14.6	93	12.0	338.8	1767	825
850	17.7	61	9.2	331.9	1504	18.8	55	8.9	332.4	1486	16.6	76	10.7	334.9	1500	16.7	78	11.1	336.1	1513	850
875	18.6	70	10.8	334.6	1255	18.8	62	9.7	331.8	1236	17.6	68	9.9	331.0	1253	18.8	59	9.1	330.2	1264	875
900	19.9	69	11.3	334.9	1012	18.1	71	10.4	330.1	994	18.1	92	13.5	338.8	1011	20.1	55	9.0	328.7	1021	900
925	21.1	69	11.9	335.2	775	18.8	75	11.2	330.6	759	19.1	94	14.3	339.3	775	20.5	73	12.0	334.9	785	925
950	22.4	69	12.4	335.4	543	20.6	76	12.4	333.3	528	20.5	93	15.0	340.3	544	20.9	94	15.6	342.2	553	950
975	23.5	68	12.9	335.8	316	22.5	75	13.4	335.8	303	22.6	87	15.6	341.8	318	22.8	88	16.0	343.3	327	975
1000	24.7	68	13.4	336.1	94	26.0	75	16.0	344.7	80	24.7	81	16.0	343.1	96	24.7	83	16.4	344.2	104	1000
SFC.	29.7	72	19.0	356.9	0	27.8	78	18.5	352.9	0	25.6	78	16.2	343.5	0	25.6	80	16.6	344.5	0	SFC.
				SURFACE PRESSURE	1010.6				SURFACE PRESSURE	1009.1				SURFACE PRESSURE	1010.9				SURFACE PRESSURE	1011.9	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/19 1220 GMT					3/19 1740 GMT					3/19 2350 GMT					3/20 6 1 GMT					P		
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-68.1	0	0.0	458.5	19414	-68.5	0	0.0	457.6	19363	-69.6	0	0.0	455.1	19505	-64.8	0	0.0	465.9	19503	60	
70	-72.3	0	0.0	429.8	18498	-69.7	0	0.0	435.3	18441	-70.6	0	0.0	433.3	18593	-71.7	0	0.0	431.0	18582	70	
80	-73.4	30	.0	411.4	17716	-71.8	0	0.0	414.7	17648	-71.9	18	.0	414.4	17799	-74.2	20	.0	409.8	17796	80	
90	-77.4	31	.0	389.9	17036	-79.4	26	.0	385.7	16969	-78.3	18	.0	387.9	17117	-79.9	20	.0	384.8	17120	90	
100	-77.5	32	.0	378.0	16432	-79.5	26	.0	374.2	16374	-79.5	18	.0	374.2	16518	-77.6	20	.0	377.9	16520	100	
110	-78.2	32	.0	366.6	15887	-77.9	26	.0	367.1	15831	-76.8	18	.0	369.2	15974	-78.4	20	.0	366.1	15975	110	
120	-77.0	32	.0	359.7	15389	-76.4	26	.0	360.8	15332	-74.3	18	.0	364.7	15470	-76.9	20	.0	360.0	15476	120	
130	-74.9	32	.0	355.4	14927	-74.5	26	.0	356.1	14869	-72.0	19	.0	360.5	15001	-73.9	20	.0	357.2	15013	130	
140	-72.9	32	.0	351.4	14495	-71.8	25	.0	353.3	14435	-69.9	19	.0	356.7	14562	-70.9	20	.0	354.9	14577	140	
150	-69.7	32	.0	350.1	14087	-69.2	25	.0	351.0	14025	-67.9	19	.0	353.1	14150	-68.2	20	.0	352.6	14166	150	
160	-66.7	31	.0	348.8	13699	-66.4	26	.0	349.2	13637	-66.1	19	.0	349.8	13760	-65.7	20	.0	350.5	13776	160	
170	-63.8	31	.0	347.5	13330	-63.8	26	.0	347.5	13268	-63.6	19	.0	347.8	13391	-62.9	20	.0	349.0	13406	170	
180	-61.2	31	.0	346.3	12977	-61.3	26	.0	346.0	12916	-60.6	18	.0	347.1	13037	-60.1	19	.0	348.0	13051	180	
190	-58.6	30	.0	345.1	12640	-58.8	25	.0	344.7	12578	-57.8	17	.0	346.3	12699	-57.5	19	.0	346.9	12712	190	
200	-56.1	30	.0	344.0	12316	-56.5	25	.0	343.4	12254	-54.9	17	.0	345.9	12373	-54.9	19	.0	345.9	12386	200	
225	-49.4	30	.1	343.0	11556	-50.3	24	.0	341.6	11497	-48.1	17	.0	344.9	11609	-49.0	18	.0	343.6	11623	225	
250	-43.4	30	.1	342.0	10856	-45.2	23	.1	339.1	10800	-42.8	17	.1	342.7	10906	-43.3	17	.1	342.0	10923	250	
275	-38.2	30	.2	340.6	10207	-41.3	23	.1	335.8	10160	-37.8	16	.1	340.9	10256	-38.1	17	.1	340.4	10274	275	
300	-34.7	31	.2	337.3	9604	-35.5	24	.1	335.9	9562	-32.6	16	.1	339.9	9650	-33.0	16	.1	339.5	9669	300	
325	-31.4	31	.3	334.5	9041	-30.2	24	.2	336.0	8999	-27.9	15	.2	339.0	9080	-28.1	15	.2	338.6	9100	325	
350	-26.5	28	.4	334.4	8511	-27.9	25	.3	332.1	8469	-23.5	14	.2	338.0	8543	-24.1	15	.2	337.2	8564	350	
375	-22.2	27	.5	334.0	8008	-23.9	24	.4	331.3	7969	-21.4	15	.3	334.4	8036	-20.4	16	.3	335.9	8057	375	
400	-18.7	28	.6	333.0	7530	-20.1	23	.4	330.6	7495	-17.8	14	.3	333.1	7557	-18.1	18	.4	333.0	7576	400	
425	-15.7	33	.9	332.0	7076	-16.5	25	.6	330.0	7042	-14.5	17	.5	332.2	7101	-14.0	17	.5	332.9	7120	425	
450	-12.1	32	1.1	332.0	6642	-13.2	26	.8	329.6	6609	-11.1	16	.6	331.6	6665	-11.2	19	.7	331.7	6683	450	
475	-8.6	31	1.3	332.0	6225	-10.0	28	1.0	329.4	6195	-7.9	16	.7	330.9	6247	-7.8	19	.9	331.4	6266	475	
500	-6.1	31	1.5	330.9	5826	-7.3	29	1.3	328.6	5797	-5.1	17	.9	330.2	5846	-4.6	20	1.1	331.4	5864	500	
525	-3.8	35	1.9	330.4	5442	-5.8	36	1.7	327.3	5416	-2.4	19	1.2	329.7	5461	-2.4	25	1.6	331.0	5479	525	
550	-2.2	59	3.5	333.0	5073	-4.0	51	2.6	328.0	5050	-.1	26	1.8	330.1	5090	-.6	34	2.3	331.1	5108	550	
575	-.3	66	4.3	333.7	4719	-1.9	49	2.8	327.0	4698	1.9	20	1.5	327.5	4733	1.1	48	3.5	332.8	4751	575	
600	1.2	77	5.4	334.6	4377	-.3	52	3.2	326.1	4358	3.5	36	3.0	330.1	4389	3.5	37	3.0	330.3	4407	600	
625	3.6	64	5.1	332.7	4046	1.8	50	3.5	325.8	4030	5.3	26	2.3	326.4	4056	5.6	39	3.6	330.6	4075	625	
650	4.9	66	5.5	331.8	3726	4.3	31	2.5	322.0	3712	6.9	30	2.9	326.3	3735	7.5	46	4.6	332.2	3753	650	
675	6.7	41	3.8	325.3	3417	6.3	24	2.1	319.5	3404	8.5	33	3.4	326.3	3424	9.1	32	3.5	327.2	3441	675	
700	8.5	51	5.0	327.7	3118	7.1	45	4.1	323.1	3105	10.0	37	4.0	326.4	3123	10.7	22	2.5	322.5	3139	700	
725	10.2	71	7.7	334.1	2826	7.9	50	4.6	322.4	2816	11.6	27	3.2	322.5	2830	12.1	28	3.4	323.7	2846	725	
750	10.6	83	8.9	334.6	2543	9.1	54	5.2	322.3	2536	12.7	28	3.4	321.3	2546	13.4	36	4.6	325.6	2561	750	
775	12.0	71	8.1	330.9	2269	10.8	49	5.1	321.0	2263	14.7	18	2.5	317.7	2270	14.5	43	5.7	327.0	2285	775	
800	13.1	85	10.2	335.1	2001	12.5	40	4.6	318.4	1997	15.6	29	4.1	320.5	2002	14.7	72	9.6	335.3	2016	800	
825	14.4	67	8.4	328.6	1741	12.8	58	6.5	321.4	1739	16.2	43	6.0	324.0	1740	15.5	92	12.5	341.3	1754	825	
850	15.9	64	8.6	328.0	1488	14.1	53	6.3	319.7	1488	17.3	49	7.2	325.7	1486	16.9	93	13.3	342.5	1499	850	
875	16.6	73	10.0	329.8	1241	15.1	62	7.6	321.8	1242	19.3	40	6.5	323.3	1238	18.3	93	14.2	343.7	1251	875	
900	18.2	70	10.2	329.8	1000	16.1	70	9.0	324.0	1003	20.8	39	6.8	323.2	995	19.6	94	15.2	345.1	1008	900	
925	18.9	81	12.1	333.1	764	17.1	78	10.4	326.3	769	21.4	50	8.7	326.9	758	20.9	94	16.1	346.5	770	925	
950	20.0	88	13.8	336.4	534	18.0	86	11.8	328.7	540	22.1	61	10.8	330.7	526	22.2	95	17.0	347.9	537	950	
975	21.9	87	14.9	339.2	308	19.6	80	11.9	328.3	317	23.1	68	12.6	334.2	299	23.6	91	17.4	348.2	310	975	
1000	23.9	85	16.1	342.2	87	22.9	84	14.9	337.9	97	25.8	66	14.0	339.0	77	25.0	87	17.8	348.3	87	1000	
SFC.	25.2	83	16.8	344.9	0	25.0	90	18.0	347.8	0	30.6	67	18.7	357.3	0	25.6	86	17.9	348.3	0	SFC.	
				SURFACE PRESSURE	1009.9				SURFACE PRESSURE	1011.1				SURFACE PRESSURE	1008.7				SURFACE PRESSURE	1009.9		

A-148

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/20 12 0 GMT						3/20 15 0 GMT						3/20 1730 GMT						3/20 2030 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-63.5	0	0.0	468.7	19494	-65.0	0	0.0	465.4	19431	-63.8	0	0.0	468.1	19508	0.0	0	0.0	0.0	0	60		
70	-72.7	0	0.0	428.9	18556	-72.2	24	.0	429.9	18503	-73.0	0	0.0	428.3	18580	-72.4	0	0.0	429.5	18623	70		
80	-72.5	0	0.0	413.2	17772	-73.3	24	.0	411.6	17719	-73.2	0	0.0	411.9	17799	-72.4	20	.0	413.5	17838	80		
90	-76.6	16	.0	391.4	17085	-78.4	25	.0	387.8	17037	-77.4	0	0.0	389.8	17113	-73.7	20	.0	397.2	17145	90		
100	-77.0	16	.0	379.0	16482	-76.8	24	.0	379.4	16435	-75.4	0	0.0	382.1	16505	-74.7	20	.0	383.5	16533	100		
110	-77.4	16	.0	368.0	15935	-76.9	25	.0	369.0	15887	-76.3	26	.0	370.1	15955	-75.9	20	.0	370.8	15980	110		
120	-75.2	16	.0	363.0	15433	-75.6	25	.0	362.3	15386	-74.5	27	.0	364.4	15451	-74.4	20	.0	364.5	15478	120		
130	-73.2	15	.0	358.3	14967	-74.4	25	.0	356.2	14921	-71.5	27	.0	361.5	14982	-71.1	20	.0	362.1	15008	130		
140	-71.4	15	.0	354.0	14531	-72.2	24	.0	352.6	14488	-70.8	26	.0	355.2	14543	-69.0	20	.0	358.3	14567	140		
150	-68.4	15	.0	352.3	14120	-69.4	24	.0	350.5	14079	-68.2	26	.0	352.6	14132	-66.8	20	.0	355.0	14152	150		
160	-65.6	15	.0	350.6	13731	-66.8	23	.0	348.6	13692	-65.7	26	.0	350.5	13742	-64.2	20	.0	352.9	13760	160		
170	-63.0	15	.0	348.9	13360	-64.3	22	.0	346.7	13323	-63.3	26	.0	348.5	13372	-61.8	20	.0	350.8	13387	170		
180	-60.4	15	.0	347.4	13006	-61.7	22	.0	345.4	12972	-60.9	26	.0	346.7	13018	-59.9	20	.0	348.3	13031	180		
190	-57.7	15	.0	346.4	12667	-59.0	22	.0	344.5	12635	-58.1	26	.0	345.8	12680	-57.7	20	.0	346.5	12692	190		
200	-55.2	14	.0	345.5	12342	-56.4	22	.0	343.6	12311	-55.5	26	.0	345.0	12355	-55.7	20	.0	344.7	12367	200		
225	-49.9	14	.0	342.1	11580	-49.9	22	.0	342.3	11552	-48.9	25	.1	343.8	11593	-50.3	19	.0	341.6	11608	225		
250	-43.5	13	.0	341.6	10881	-43.8	23	.1	341.2	10854	-44.2	26	.1	342.2	10892	-44.0	19	.1	341.0	10911	250		
275	-38.2	12	.1	340.1	10233	-38.8	24	.1	339.4	10206	-38.6	30	.1	339.9	10244	-37.6	18	.1	341.1	10263	275		
300	-33.5	11	.1	338.5	9628	-34.7	22	.1	337.1	9605	-34.8	36	.2	337.4	9642	-34.1	19	.1	337.9	9658	300		
325	-29.1	10	.1	337.0	9061	-29.8	18	.2	336.3	9040	-29.4	26	.3	337.2	9077	-28.9	19	.2	337.6	9092	325		
350	-24.9	10	.1	335.8	8527	-25.3	16	.2	335.6	8507	-24.7	22	.3	336.7	8542	-24.2	18	.3	337.3	8557	350		
375	-21.5	12	.2	334.0	8022	-21.2	17	.3	334.8	8002	-20.5	21	.4	336.1	8036	-19.9	18	.4	336.7	8049	375		
400	-19.3	16	.3	331.2	7544	-17.3	17	.4	334.1	7522	-17.3	20	.5	334.5	7555	-17.1	18	.4	334.5	7568	400		
425	-15.7	16	.4	330.4	7090	-16.4	18	.5	329.7	7068	-15.1	24	.7	332.1	7098	-14.4	17	.5	332.4	7111	425		
450	-12.4	16	.5	329.7	6656	-12.8	19	.6	329.3	6635	-12.9	29	.9	330.3	6665	-13.2	18	.6	328.8	6676	450		
475	-9.2	16	.6	328.9	6240	-9.4	19	.7	329.1	6220	-9.2	26	1.0	330.3	6250	-9.5	18	.7	328.7	6262	475		
500	-6.5	16	.8	327.9	5841	-6.6	19	.9	328.2	5821	-6.0	25	1.2	330.0	5851	-6.1	17	.8	328.6	5863	500		
525	-4.4	29	1.5	328.3	5459	-4.3	21	1.1	327.3	5439	-3.8	29	1.6	329.3	5467	-3.5	21	1.2	328.4	5479	525		
550	-2.6	47	2.7	329.9	5091	-2.9	42	2.3	328.5	5071	-2.2	35	2.1	328.5	5099	-2.2	32	1.9	327.9	5110	550		
575	.1	26	1.7	326.1	4737	-.3	22	1.4	324.4	4717	.3	33	2.2	327.9	4744	.6	18	1.2	325.0	4755	575		
600	3.0	15	1.2	323.7	4394	2.4	19	1.4	323.7	4375	3.3	25	2.0	326.8	4401	3.0	16	1.3	324.0	4412	600		
625	4.6	34	2.9	327.3	4062	4.3	34	2.8	326.7	4044	5.1	25	2.2	325.7	4069	5.2	18	1.6	323.8	4081	625		
650	6.4	19	1.8	322.2	3742	6.3	18	1.7	321.7	3724	7.0	30	2.9	326.4	3748	7.0	26	2.5	325.1	3759	650		
675	8.3	24	2.4	322.9	3431	7.9	18	1.8	320.5	3414	8.6	32	3.3	326.0	3436	8.3	17	1.7	320.8	3449	675		
700	9.6	27	2.9	322.4	3130	9.5	18	1.9	319.3	3113	10.0	33	3.6	325.1	3135	10.1	18	1.9	320.1	3148	700		
725	10.9	31	3.5	322.6	2839	10.9	31	3.4	322.4	2822	11.3	34	3.9	324.4	2843	11.8	20	2.3	320.0	2855	725		
750	12.5	18	2.2	317.3	2555	12.3	26	3.1	319.7	2538	12.8	34	4.1	323.6	2559	13.6	29	3.7	323.2	2571	750		
775	13.5	40	5.0	323.8	2280	13.2	49	6.0	326.4	2263	14.3	33	4.3	322.8	2283	14.8	21	2.8	318.9	2295	775		
800	15.0	50	6.7	327.4	2012	14.8	35	4.7	321.3	1995	15.7	47	6.6	328.0	2014	16.0	37	5.3	324.6	2026	800		
825	15.4	74	9.9	334.0	1751	14.6	32	4.1	316.6	1735	14.8	65	8.3	328.8	1753	16.1	52	7.3	327.5	1764	825		
850	17.0	75	10.7	335.4	1496	16.8	55	7.7	326.7	1482	16.5	64	8.9	329.8	1500	17.4	53	7.8	327.5	1509	850		
875	18.2	79	12.0	337.5	1248	16.4	61	8.2	324.8	1234	18.7	62	9.7	331.8	1251	18.6	58	9.0	329.5	1261	875		
900	19.0	86	13.2	339.0	1005	16.6	90	12.0	332.8	994	19.6	76	12.1	336.7	1009	19.7	63	10.2	331.6	1018	900		
925	19.4	93	14.4	340.1	768	18.6	90	13.2	335.8	759	20.1	86	13.9	339.5	772	20.8	69	11.6	333.9	781	925		
950	20.2	98	15.5	341.3	538	20.6	89	14.5	338.9	528	21.1	82	13.6	337.3	540	21.9	74	12.9	336.3	550	950		
975	22.3	93	16.4	343.7	312	22.6	88	15.7	342.2	302	22.4	88	15.6	341.6	314	23.0	74	13.6	336.9	323	975		
1000	24.4	88	17.2	346.1	89	24.4	87	17.1	345.6	80	24.2	87	16.8	344.4	92	24.9	78	15.6	342.2	101	1000		
SFC.	25.3	86	17.6	346.9	0	25.1	87	17.6	346.8	0	25.6	87	18.1	348.7	0	26.3	84	18.2	349.8	0	SFC.		
				SURFACE PRESSURE	1010.2				SURFACE PRESSURE	1009.1				SURFACE PRESSURE	1010.5				SURFACE PRESSURE	1011.5			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/20 2350 GMT						3/21 3 0 GMT					3/21 630 GMT					3/21 910 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-63.9	0	0.0	467.8	19511	-64.2	0	0.0	467.2	19522	-62.6	0	0.0	470.8	19492	0.0	0	0.0	0.0	0	60	
70	-71.0	0	0.0	432.5	18579	-69.4	0	0.0	435.9	18585	-73.8	0	0.0	426.5	18563	0.0	0	0.0	0.0	0	70	
80	-72.6	19	.0	413.0	17796	-73.0	0	0.0	412.1	17801	-75.6	26	.0	406.9	17788	0.0	0	0.0	0.0	0	80	
90	-75.8	19	.0	393.0	17105	-75.8	23	.0	393.0	17111	-77.0	26	.0	390.6	17109	0.0	0	0.0	0.0	0	90	
100	-75.8	19	.0	381.3	16499	-78.7	24	.0	375.7	16509	-78.3	26	.0	376.5	16505	0.0	0	0.0	0.0	0	100	
110	-76.1	19	.0	370.5	15948	-78.1	24	.0	366.8	15966	-78.3	26	.0	366.4	15961	0.0	0	0.0	0.0	0	110	
120	-75.5	18	.0	362.5	15446	-75.4	24	.0	362.7	15466	-78.3	26	.0	357.3	15465	0.0	0	0.0	0.0	0	120	
130	-71.9	18	.0	360.7	14979	-72.1	24	.0	360.4	14999	-75.5	26	.0	354.3	15007	0.0	0	0.0	0.0	0	130	
140	-68.1	18	.0	359.8	14538	-68.3	23	.0	359.5	14558	-68.7	25	.0	358.7	14571	0.0	0	0.0	0.0	0	140	
150	-66.9	18	.0	354.8	14122	-65.3	23	.0	357.6	14141	-68.1	25	.0	352.8	14156	0.0	0	0.0	0.0	0	150	
160	-64.8	18	.0	351.9	13731	-65.3	24	.0	351.1	13750	-65.0	25	.0	351.6	13766	0.0	0	0.0	0.0	0	160	
170	-62.2	18	.0	350.2	13358	-61.8	23	.0	350.9	13377	-62.1	25	.0	350.4	13394	0.0	0	0.0	0.0	0	170	
180	-59.8	18	.0	348.5	13003	-59.0	22	.0	349.9	13021	-59.4	25	.0	349.2	13038	0.0	0	0.0	0.0	0	180	
190	-57.5	18	.0	346.9	12664	-56.8	22	.0	348.0	12680	-56.8	24	.0	348.0	12698	0.0	0	0.0	0.0	0	190	
200	-55.3	18	.0	345.3	12338	-55.0	22	.0	345.8	12354	-54.4	24	.0	346.8	12371	0.0	0	0.0	0.0	0	200	
225	-50.3	18	.0	341.6	11578	-50.4	21	.0	341.5	11594	-48.7	24	.0	344.1	11606	0.0	0	0.0	0.0	0	225	
250	-44.5	18	.1	340.1	10881	-44.5	22	.1	340.2	10898	-44.0	33	.1	341.1	10907	0.0	0	0.0	0.0	0	250	
275	-38.7	17	.1	339.5	10235	-39.1	22	.1	339.1	10252	-38.7	34	.2	339.8	10260	0.0	0	0.0	0.0	0	275	
300	-33.9	17	.1	338.2	9631	-34.1	23	.2	338.0	9649	-33.9	39	.3	338.8	9657	0.0	0	0.0	0.0	0	300	
325	-29.8	17	.2	336.4	9066	-29.5	24	.2	336.9	9083	-28.7	35	.4	338.7	9090	0.0	0	0.0	0.0	0	325	
350	-25.2	17	.2	335.7	8533	-25.2	23	.3	336.1	8550	-25.0	44	.6	337.5	8554	0.0	0	0.0	0.0	0	350	
375	-21.0	17	.3	335.1	8027	-20.9	20	.4	335.4	8044	-21.3	31	.6	335.6	8050	0.0	0	0.0	0.0	0	375	
400	-17.0	17	.4	334.6	7547	-17.2	18	.4	334.4	7564	-17.3	14	.3	333.9	7570	-16.8	14	.4	334.6	7588	400	
425	-13.8	17	.5	333.2	7089	-13.9	17	.5	333.1	7106	-14.7	16	.5	331.9	7113	-13.7	11	.3	332.7	7130	425	
450	-12.8	19	.6	329.5	6654	-11.7	20	.7	331.1	6670	-12.2	18	.6	330.1	6678	-11.6	10	.3	330.0	6694	450	
475	-9.7	19	.7	328.7	6239	-8.9	21	.8	330.1	6254	-9.5	18	.7	328.8	6263	-9.1	10	.4	328.2	6278	475	
500	-6.2	18	.9	328.6	5840	-5.3	20	1.0	330.2	5854	-6.0	16	.8	328.7	5864	-5.9	10	.5	327.6	5879	500	
525	-2.9	17	1.0	328.5	5457	-1.9	19	1.2	330.4	5469	-2.6	14	.9	328.4	5480	-3.6	14	.8	326.8	5495	525	
550	-1.4	29	1.8	328.6	5087	-.7	29	1.9	329.8	5098	-1.7	28	1.7	328.0	5110	-2.0	17	1.0	325.3	5127	550	
575	1.0	20	1.4	326.1	4731	1.1	22	1.6	326.8	4742	.6	14	1.0	324.3	4755	.6	13	.9	324.0	4772	575	
600	3.2	20	1.6	325.4	4388	3.6	22	1.8	326.5	4398	3.0	14	1.1	323.3	4412	3.0	10	.8	322.6	4429	600	
625	5.3	22	2.0	325.3	4056	6.0	22	2.1	326.3	4066	4.9	28	2.4	326.1	4081	5.0	17	1.5	323.2	4097	625	
650	7.3	23	2.3	324.8	3735	8.0	22	2.3	325.6	3743	6.7	39	3.7	328.5	3760	6.9	25	2.3	324.6	3776	650	
675	9.0	21	2.3	323.2	3423	9.7	22	2.4	324.6	3431	8.6	27	2.8	324.4	3449	8.5	40	4.1	328.5	3465	675	
700	10.6	20	2.2	321.6	3121	11.3	22	2.6	323.7	3129	9.7	75	8.1	338.0	3147	9.7	75	8.2	338.3	3163	700	
725	12.1	20	2.4	320.6	2829	12.8	25	3.1	323.7	2835	11.1	86	9.9	341.5	2854	11.1	89	10.3	342.6	2870	725	
750	13.1	33	4.2	324.1	2544	13.6	43	5.7	329.1	2550	12.5	91	11.1	343.4	2570	12.6	89	10.9	343.1	2586	750	
775	14.2	42	5.5	326.3	2268	15.0	40	5.5	327.1	2273	13.9	96	12.4	345.5	2293	14.1	89	11.6	343.6	2309	775	
800	15.6	37	5.2	323.8	1999	16.9	48	7.3	331.6	2003	15.3	92	12.7	344.9	2023	15.5	88	12.4	344.1	2039	800	
825	16.6	44	6.3	325.4	1738	16.5	77	11.0	338.5	1740	16.7	88	12.9	344.0	1760	16.9	88	13.1	344.8	1776	825	
850	17.6	50	7.5	327.1	1483	17.3	84	12.5	340.6	1485	18.1	84	13.1	343.2	1504	18.2	88	13.8	345.4	1520	850	
875	18.5	57	8.8	328.9	1234	18.9	90	14.3	344.7	1236	18.8	90	14.2	344.3	1255	19.5	88	14.5	346.2	1270	875	
900	19.5	63	10.0	330.8	992	19.8	91	14.9	344.5	992	19.7	94	15.2	345.4	1012	20.7	89	15.4	347.1	1026	900	
925	20.4	69	11.3	332.7	755	21.4	91	16.0	346.9	754	20.9	94	16.1	346.5	774	21.8	90	16.3	348.1	787	925	
950	21.4	73	12.5	334.6	524	23.0	91	17.2	349.4	521	22.2	95	17.0	347.7	541	23.0	91	17.1	349.2	554	950	
975	23.4	69	13.0	335.8	297	24.6	90	18.4	352.0	293	23.4	95	17.8	348.9	314	24.0	92	18.0	350.3	326	975	
1000	25.7	70	14.8	341.0	75	26.1	90	19.6	354.6	69	24.5	95	18.7	350.1	91	25.1	93	18.9	351.5	103	1000	
SFC.	27.0	77	17.4	348.9	0	26.6	90	20.0	355.5	0	25.0	95	19.1	350.7	0	25.6	93	19.4	352.0	0	SFC.	
				SURFACE PRESSURE	1008.5				SURFACE PRESSURE	1007.8				SURFACE PRESSURE	1010.4				SURFACE PRESSURE	1011.7		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/21 1424 GMT						3/21 18 0 GMT						3/22 020 GMT						3/22 615 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-66.6	0	0.0	461.9	19463	-65.9	0	0.0	463.4	19449	60		
70	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-71.6	0	0.0	431.2	18537	-68.5	27	.0	438.0	18514	70		
80	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-74.8	25	.0	408.6	17749	-74.2	26	.0	409.8	17726	80		
90	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-77.6	25	.0	389.4	17074	-80.0	27	.0	384.5	17052	90		
100	-77.2	0	0.0	378.6	16429	0.0	0	0.0	0.0	0	-75.9	25	.0	381.1	16468	-76.6	27	.0	379.8	16450	100		
110	-76.5	14	.0	369.7	15881	0.0	0	0.0	0.0	0	-75.0	25	.0	372.6	15914	-80.0	27	.0	363.2	15908	110		
120	-74.8	14	.0	363.7	15377	0.0	0	0.0	0.0	0	-75.5	25	.0	362.5	15411	-76.2	27	.0	361.2	15411	120		
130	-73.3	15	.0	358.2	14911	0.0	0	0.0	0.0	0	-72.1	25	.0	360.3	14944	-72.7	27	.0	359.4	14945	130		
140	-72.5	15	.0	352.1	14476	0.0	0	0.0	0.0	0	-68.4	25	.0	359.3	14504	-69.4	26	.0	357.5	14506	140		
150	-70.3	15	.0	349.1	14069	0.0	0	0.0	0.0	0	-65.5	25	.0	357.3	14086	-66.4	26	.0	355.8	14091	150		
160	-67.1	15	.0	348.1	13683	0.0	0	0.0	0.0	0	-66.4	25	.0	349.3	13695	-63.6	26	.0	354.0	13698	160		
170	-64.1	14	.0	347.1	13314	-62.6	24	.0	349.6	13341	-63.7	25	.0	347.7	13326	-62.5	27	.0	349.8	13325	170		
180	-61.3	14	.0	346.1	12962	-59.7	24	.0	348.6	12986	-61.2	26	.0	346.2	12973	-61.6	29	.0	345.5	12971	180		
190	-58.6	14	.0	345.1	12624	-57.0	25	.0	347.6	12646	-58.8	26	.0	344.8	12636	-59.5	29	.0	343.7	12635	190		
200	-55.8	14	.0	344.4	12300	-54.5	25	.0	346.7	12320	-56.1	26	.0	344.0	12312	-56.9	29	.0	342.9	12312	200		
225	-49.3	13	.0	343.0	11539	-49.0	25	.0	343.7	11555	-50.1	25	.0	341.9	11553	-50.8	29	.0	340.8	11556	225		
250	-43.5	12	.0	341.5	10839	-44.5	26	.1	340.2	10857	-44.8	24	.1	339.8	10856	-45.2	27	.1	339.3	10861	250		
275	-39.8	26	.1	338.0	10193	-39.9	27	.1	337.8	10213	-39.5	23	.1	338.4	10212	-39.4	21	.1	338.5	10217	275		
300	-35.8	37	.2	335.8	9593	-35.1	28	.2	336.6	9612	-34.0	21	.2	338.0	9610	-34.4	18	.1	337.5	9615	300		
325	-31.5	39	.3	334.5	9032	-30.8	28	.2	335.3	9049	-29.3	20	.2	337.1	9043	-29.8	16	.2	336.3	9050	325		
350	-27.1	34	.4	333.7	8503	-26.7	27	.3	334.0	8519	-26.2	23	.3	334.6	8511	-26.1	16	.2	334.4	8517	350		
375	-23.1	30	.5	332.8	8002	-23.0	27	.4	332.8	8017	-22.5	28	.5	333.5	8008	-22.7	17	.3	332.7	8015	375		
400	-19.3	26	.5	331.9	7525	-19.5	26	.5	331.7	7541	-19.1	32	.7	332.7	7531	-19.8	40	.8	332.2	7538	400		
425	-15.1	12	.3	331.0	7070	-16.2	26	.7	330.6	7087	-15.3	28	.8	332.2	7077	-16.3	32	.8	331.0	7085	425		
450	-12.5	10	.3	328.9	6636	-12.4	22	.7	330.3	6654	-11.7	25	.8	331.6	6642	-13.0	24	.7	329.6	6653	450		
475	-10.0	11	.4	327.2	6221	-9.1	20	.8	329.6	6238	-8.4	21	.9	330.9	6225	-10.0	23	.8	328.7	6238	475		
500	-6.8	11	.5	326.5	5823	-6.6	19	.9	328.2	5840	-5.5	21	1.1	330.2	5825	-7.4	46	2.0	330.9	5840	500		
525	-3.8	10	.6	325.9	5441	-4.2	19	1.0	327.0	5457	-3.1	22	1.3	329.3	5441	-5.3	72	3.6	333.8	5458	525		
550	-1.5	15	.9	325.7	5072	-2.7	28	1.6	326.3	5089	-1.7	25	1.6	327.5	5071	-2.8	78	4.4	335.1	5091	550		
575	.3	10	.7	322.8	4717	-.4	39	2.5	327.8	4735	-.3	28	1.8	325.8	4717	-.5	63	4.0	332.5	4737	575		
600	2.7	10	.8	322.0	4374	2.7	22	1.7	325.1	4392	1.6	49	3.5	329.3	4375	1.6	24	1.7	323.8	4395	600		
625	5.0	10	.9	321.3	4043	4.3	32	2.7	326.3	4061	3.9	48	3.8	329.3	4044	2.7	78	5.8	333.9	4065	625		
650	2.3	43	3.0	321.1	3725	5.3	63	5.4	331.9	3741	6.0	43	3.9	328.2	3724	4.4	92	7.4	336.8	3746	650		
675	5.2	60	4.9	326.7	3418	7.4	47	4.5	328.3	3431	7.4	47	4.5	328.2	3414	6.2	92	8.2	337.4	3437	675		
700	7.7	82	7.8	334.6	3120	8.4	62	6.1	330.8	3131	6.9	44	3.9	322.3	3115	7.9	93	8.9	338.2	3136	700		
725	9.0	83	8.3	334.2	2828	10.2	63	6.8	331.3	2839	10.4	71	7.7	334.4	2825	9.6	93	9.7	339.1	2845	725		
750	10.9	88	9.6	337.0	2546	11.9	61	7.2	331.5	2556	11.6	70	8.0	333.3	2542	11.1	88	9.8	337.8	2562	750		
775	12.8	97	11.7	342.1	2271	13.0	67	8.2	332.5	2280	12.8	72	8.7	333.5	2266	12.2	60	6.9	327.8	2287	775		
800	13.3	94	11.4	338.6	2003	13.8	76	9.5	333.9	2013	14.0	76	9.7	334.7	1998	13.1	66	7.8	328.4	2020	800		
825	15.5	99	13.4	343.9	1741	14.6	83	10.5	334.8	1752	15.2	81	10.7	336.0	1737	14.4	89	11.2	336.4	1760	825		
850	16.7	99	14.1	344.4	1486	15.6	84	11.1	334.8	1498	16.3	85	11.8	337.4	1483	15.9	93	12.5	339.1	1506	850		
875	18.0	99	14.8	345.0	1238	16.6	86	11.7	334.8	1251	17.4	89	12.9	339.0	1235	17.5	92	13.4	340.4	1258	875		
900	19.2	99	15.6	345.7	995	17.6	87	12.3	334.8	1010	18.5	90	13.6	339.4	993	18.9	92	14.2	341.7	1016	900		
925	20.3	99	16.3	346.4	757	18.8	86	12.9	335.1	774	19.6	86	13.5	337.8	756	20.4	92	15.1	343.1	779	925		
950	21.5	99	17.1	347.1	525	20.4	83	13.3	335.6	544	20.7	82	13.4	336.1	525	21.7	92	16.0	344.6	547	950		
975	22.6	99	17.8	347.8	298	21.9	80	13.8	336.1	318	22.0	79	13.5	335.4	300	23.1	91	16.9	346.1	320	975		
1000	24.0	97	18.5	348.7	76	23.4	77	14.2	336.4	97	24.4	78	15.2	340.4	78	24.4	91	17.8	347.6	97	1000		
SFC.	25.0	92	18.5	349.3	0	25.3	93	19.0	350.8	0	26.2	82	17.7	348.6	0	25.0	91	18.2	348.3	0	SFC.		
				SURFACE PRESSURE	1008.7				SURFACE PRESSURE	1011.1				SURFACE PRESSURE	1008.9				SURFACE PRESSURE	1011.1			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/22 1250 GMT						3/22 1515 GMT					3/22 18 0 GMT					3/22 2120 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-67.5	0	0.0	459.8	19484	-69.7	0	0.0	454.9	19356	-67.2	0	0.0	460.5	19510	-65.0	0	0.0	465.4	19591	60	
70	-64.9	0	0.0	445.6	18550	-68.2	33	.0	438.6	18433	-67.6	24	.0	440.0	18577	-65.7	0	0.0	443.9	18652	70	
80	-74.6	0	0.0	408.9	17753	-71.5	36	.0	415.3	17640	-68.3	25	.0	421.9	17776	-68.2	20	.0	422.2	17847	80	
90	-78.3	36	.0	388.1	17081	-79.5	37	.0	385.6	16961	-77.5	25	.0	389.6	17093	-77.5	20	.0	389.5	17161	90	
100	-74.8	36	.0	383.3	16475	-77.9	37	.0	377.2	16360	-76.9	25	.0	379.3	16486	-74.7	20	.0	383.4	16552	100	
110	-78.6	37	.0	365.8	15924	-79.3	37	.0	364.4	15816	-78.6	25	.0	365.8	15942	-77.0	20	.0	368.9	16002	110	
120	-75.8	36	.0	362.0	15426	-77.6	37	.0	358.7	15322	-75.2	25	.0	363.1	15442	-74.3	20	.0	364.6	15500	120	
130	-72.3	36	.0	360.1	14959	-74.0	37	.0	357.1	14859	-71.6	25	.0	361.2	14974	-71.5	20	.0	361.5	15030	130	
140	-69.1	37	.0	358.1	14519	-70.6	37	.0	355.5	14423	-68.3	25	.0	359.4	14533	-68.2	20	.0	359.8	14589	140	
150	-70.1	37	.0	349.5	14108	-69.1	30	.0	351.1	14012	-68.0	24	.0	353.1	14117	-64.6	20	.0	358.8	14171	150	
160	-67.1	37	.0	348.1	13721	-68.6	38	.0	345.5	13628	-66.1	24	.0	349.8	13728	-64.8	20	.0	352.0	13775	160	
170	-63.9	36	.0	347.5	13352	-65.8	37	.0	344.2	13262	-63.4	25	.0	348.3	13358	-61.9	20	.0	350.7	13403	170	
180	-60.8	36	.0	346.8	13000	-63.2	36	.0	343.0	12913	-60.7	25	.0	347.0	13005	-59.1	20	.0	349.6	13047	180	
190	-58.0	35	.0	346.1	12661	-60.2	36	.0	342.6	12578	-57.8	25	.0	346.4	12666	-56.6	20	.0	348.4	12706	190	
200	-55.3	35	.0	345.4	12336	-57.3	36	.0	342.3	12256	-55.0	25	.0	345.8	12341	-54.1	20	.0	347.2	12379	200	
225	-49.4	35	.1	343.1	11574	-50.6	35	.1	341.2	11499	-48.6	26	.1	344.2	11577	-49.3	20	.0	343.1	11615	225	
250	-44.4	47	.1	340.6	10876	-45.0	39	.1	339.7	10804	-42.9	26	.1	342.6	10876	-43.9	19	.1	341.1	10916	250	
275	-38.2	30	.2	340.5	10229	-40.8	53	.2	336.9	10161	-39.1	27	.1	339.2	10228	-38.6	18	.1	339.7	10269	275	
300	-33.2	26	.2	339.4	9624	-35.7	27	.2	335.7	9563	-34.5	26	.2	337.5	9626	-33.3	17	.1	339.0	9664	300	
325	-28.8	13	.1	337.6	9056	-31.0	46	.4	335.5	9000	-30.0	25	.2	336.3	9061	-28.7	19	.2	338.0	9096	325	
350	-24.8	22	.3	336.5	8521	-27.6	23	.3	332.6	8471	-25.8	21	.3	335.0	8529	-25.2	24	.3	336.1	8562	350	
375	-21.9	32	.6	334.8	8016	-23.5	19	.3	331.7	7971	-22.0	18	.3	333.8	8025	-21.3	17	.3	334.6	8057	375	
400	-18.6	13	.3	331.9	7539	-20.0	53	1.0	332.7	7495	-19.2	57	1.2	334.3	7547	-17.7	16	.4	333.4	7578	400	
425	-15.3	28	.8	332.2	7084	-16.7	52	1.3	332.1	7042	-15.7	37	1.0	332.4	7093	-15.3	27	.7	332.0	7122	425	
450	-12.6	51	1.7	333.2	6649	-14.0	51	1.5	330.8	6611	-12.3	45	1.5	333.1	6659	-11.5	20	.7	331.4	6687	450	
475	-10.4	56	2.0	332.0	6235	-10.8	49	1.7	330.6	6198	-8.9	41	1.7	332.8	6242	-8.3	26	1.1	331.6	6270	475	
500	-7.5	72	3.1	334.3	5836	-8.1	56	2.3	331.0	5801	-6.2	50	2.4	333.5	5843	-5.4	32	1.6	332.2	5870	500	
525	-4.9	92	4.7	337.7	5454	-5.7	64	3.1	331.7	5420	-4.8	69	3.5	334.2	5460	-3.5	39	2.2	331.6	5485	525	
550	-2.3	99	5.8	340.0	5086	-3.4	72	3.9	332.8	5053	-2.8	59	3.3	331.7	5092	-2.6	56	3.2	331.7	5117	550	
575	.2	99	6.7	341.5	4730	-2.8	84	4.6	331.3	4700	-.9	58	3.6	330.6	4738	-.4	50	3.2	330.0	4762	575	
600	1.1	99	6.9	338.9	4388	-.9	94	5.7	332.8	4361	.7	72	4.8	332.3	4397	.5	66	4.4	330.6	4421	600	
625	2.5	97	7.2	337.6	4058	1.1	98	6.5	333.9	4033	2.5	69	5.1	331.3	4067	3.4	50	3.9	328.8	4091	625	
650	4.5	94	7.6	337.5	3739	2.7	86	6.2	331.1	3716	4.9	63	5.3	331.1	3749	5.8	44	3.9	328.2	3771	650	
675	6.6	86	7.8	337.0	3429	5.5	70	5.9	330.0	3408	7.9	54	5.3	331.2	3439	8.1	39	3.9	327.3	3461	675	
700	9.3	67	7.1	334.6	3128	8.1	55	5.3	328.0	3109	10.0	50	5.5	330.8	3137	10.4	34	3.8	326.1	3160	700	
725	11.8	50	6.0	330.9	2836	10.2	40	4.3	324.1	2818	12.1	46	5.6	330.3	2844	12.5	24	3.0	323.0	2867	725	
750	14.1	34	4.6	326.3	2551	11.9	53	6.2	328.4	2535	14.1	43	5.7	329.7	2559	14.6	18	2.5	320.7	2582	750	
775	15.5	24	3.4	321.4	2274	14.5	48	6.4	329.1	2259	15.5	34	4.8	325.5	2281	16.5	17	2.6	320.0	2304	775	
800	16.6	26	3.8	320.9	2004	16.1	34	4.9	323.6	1990	16.4	20	2.9	318.1	2012	18.4	35	5.9	329.1	2033	800	
825	17.1	50	7.4	329.1	1742	16.5	30	4.3	319.3	1728	16.1	62	8.7	331.6	1750	20.0	24	4.2	323.1	1769	825	
850	18.8	42	6.8	326.3	1486	16.6	65	9.1	330.4	1474	17.1	62	9.0	330.6	1496	20.8	36	6.5	327.8	1511	850	
875	20.3	44	7.6	327.9	1237	18.4	41	6.2	321.7	1226	18.1	69	10.3	332.5	1247	20.8	39	6.9	326.4	1261	875	
900	21.5	43	7.7	326.8	993	18.4	58	8.6	325.6	984	18.7	66	10.0	329.8	1005	20.8	43	7.4	324.9	1017	900	
925	21.9	50	9.1	328.4	755	19.3	63	9.7	327.1	749	18.9	78	11.6	331.7	770	20.6	58	9.5	328.0	780	925	
950	21.8	73	12.7	335.7	523	20.6	70	11.4	330.7	519	20.1	84	13.2	334.9	539	21.5	71	12.1	333.6	549	950	
975	22.8	84	15.1	340.8	297	21.9	77	13.2	334.5	293	21.9	79	13.6	335.8	314	23.2	68	12.5	334.2	323	975	
1000	24.5	86	16.9	345.3	75	23.6	85	15.7	341.0	72	24.6	88	17.4	346.7	92	26.8	69	15.6	344.6	100	1000	
SFC.	25.1	87	17.6	346.9	0	24.4	87	16.8	344.1	0	26.0	98	21.0	357.1	0	29.5	73	19.1	356.6	0	SFC.	
				SURFACE PRESSURE	1008.5				SURFACE PRESSURE	1008.2				SURFACE PRESSURE	1010.5				SURFACE PRESSURE	1011.3		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

P	3/23 030 GMT					H	3/23 3 0 GMT					P	3/23 6 0 GMT					P	3/23 9 0 GMT				
	T	RH	W	EPT	H		T	RH	W	EPT	H		T	RH	W	EPT	H		T	RH	W	EPT	H
60	0.0	0	0.0	0.0	0	-65.4	0	0.0	464.5	19482	-67.0	0	0.0	460.9	19478	-67.8	0	0.0	459.2	19469	60		
70	0.0	0	0.0	0.0	0	-66.4	0	0.0	442.3	18546	-66.7	0	0.0	441.7	18547	-67.8	0	0.0	439.4	18542	70		
80	0.0	0	0.0	0.0	0	-70.2	0	0.0	418.0	17746	-70.6	0	0.0	417.0	17746	-70.1	0	0.0	418.2	177+4	80		
90	0.0	0	0.0	0.0	0	-77.0	20	.0	390.5	17060	-77.5	0	0.0	389.6	17057	-75.7	35	.0	393.1	17050	90		
100	0.0	0	0.0	0.0	0	-75.0	20	.0	382.9	16453	-75.3	40	.0	382.3	16452	-76.2	35	.0	380.5	16444	100		
110	0.0	0	0.0	0.0	0	-78.4	20	.0	366.2	15904	-78.6	40	.0	365.8	15899	-75.8	35	.0	371.0	15891	110		
120	0.0	0	0.0	0.0	0	-75.3	20	.0	362.8	15404	-75.8	40	.0	362.0	15400	-75.8	35	.0	361.9	15391	120		
130	0.0	0	0.0	0.0	0	-72.5	20	.0	359.6	14937	-73.2	40	.0	358.4	14934	-73.6	35	.0	357.7	14925	130		
140	0.0	0	0.0	0.0	0	-69.6	20	.0	357.1	14499	-69.5	40	.0	357.4	14496	-70.7	35	.0	355.3	14489	140		
150	0.0	0	0.0	0.0	0	-66.0	20	.0	356.4	14084	-65.8	40	.0	356.8	14081	-68.0	35	.0	353.0	14077	150		
160	0.0	0	0.0	0.0	0	-62.7	20	.0	355.6	13689	-62.3	40	.0	356.2	13686	-65.4	35	.0	350.9	13687	160		
170	0.0	0	0.0	0.0	0	-61.0	20	.0	352.3	13314	-61.0	41	.0	352.4	13310	-63.1	36	.0	348.7	13316	170		
180	0.0	0	0.0	0.0	0	-60.0	21	.0	348.2	12958	-60.5	42	.0	347.4	12954	-61.1	37	.0	346.5	12963	180		
190	0.0	0	0.0	0.0	0	-58.5	21	.0	345.3	12619	-58.8	43	.0	344.8	12616	-59.1	39	.0	344.3	12626	190		
200	0.0	0	0.0	0.0	0	-56.5	21	.0	343.4	12295	-56.5	43	.0	343.5	12293	-57.2	40	.0	342.3	12303	200		
225	0.0	0	0.0	0.0	0	-51.5	20	.0	339.8	11540	-51.1	45	.1	340.5	11536	-51.8	42	.1	339.4	11549	225		
250	0.0	0	0.0	0.0	0	-45.4	19	.0	338.7	10847	-46.1	44	.1	338.0	10843	-46.1	41	.1	337.9	10858	250		
275	0.0	0	0.0	0.0	0	-40.0	18	.1	337.6	10203	-40.7	24	.1	336.7	10202	-40.2	36	.2	337.7	10216	275		
300	0.0	0	0.0	0.0	0	-35.0	17	.1	336.5	9603	-35.3	24	.2	336.2	9603	-35.2	41	.3	336.9	9615	300		
325	0.0	0	0.0	0.0	0	-30.5	16	.1	335.3	9039	-31.1	38	.3	335.1	9041	-30.9	25	.2	335.1	9053	325		
350	0.0	0	0.0	0.0	0	-26.2	15	.2	334.2	8508	-26.5	24	.3	334.2	8510	-27.3	57	.7	334.5	8522	350		
375	0.0	0	0.0	0.0	0	-22.3	15	.2	333.1	8005	-22.7	20	.3	332.9	8008	-22.9	26	.4	332.9	8021	375		
400	0.0	0	0.0	0.0	0	-18.6	14	.3	332.0	7527	-19.1	16	.3	331.5	7531	-18.9	27	.6	332.7	7544	400		
425	0.0	0	0.0	0.0	0	-15.2	16	.4	331.1	7072	-15.9	20	.5	330.6	7077	-16.2	37	.9	331.5	7090	425		
450	0.0	0	0.0	0.0	0	-12.0	17	.6	330.4	6638	-12.9	24	.8	329.9	6644	-12.7	28	.9	330.5	6657	450		
475	0.0	0	0.0	0.0	0	-8.9	19	.8	329.7	6222	-10.0	28	1.1	329.4	6229	-9.3	22	.9	329.7	6241	475		
500	0.0	0	0.0	0.0	0	-6.3	27	1.3	330.0	5822	-7.4	35	1.5	329.4	5831	-7.0	46	2.1	331.6	5842	500		
525	0.0	0	0.0	0.0	0	-4.1	50	2.7	332.5	5439	-5.5	61	3.0	331.7	5450	-5.1	57	2.8	331.8	5460	525		
550	0.0	0	0.0	0.0	0	-4.1	66	3.4	330.4	5072	-4.9	90	4.3	332.2	5084	-3.9	71	3.7	331.4	5093	550		
575	0.0	0	0.0	0.0	0	-1.7	68	4.0	330.9	4719	-1.6	81	4.8	333.4	4732	-2.1	82	4.7	332.4	4741	575		
600	0.0	0	0.0	0.0	0	.2	64	4.1	329.6	4379	.5	74	4.9	332.3	4391	.2	70	4.5	330.8	4401	600		
625	0.0	0	0.0	0.0	0	2.9	55	4.2	329.2	4050	2.4	71	5.2	331.6	4061	2.6	71	5.2	332.0	4072	625		
650	0.0	0	0.0	0.0	0	4.9	56	4.7	329.3	3730	4.9	67	5.6	331.9	3742	4.9	48	4.0	327.3	3753	650		
675	0.0	0	0.0	0.0	0	7.3	36	3.4	324.9	3421	7.1	54	5.0	329.4	3433	7.0	41	3.8	325.6	3443	675		
700	9.7	21	2.2	320.6	3126	9.9	25	2.7	322.4	3120	9.2	41	4.3	326.1	3133	9.1	33	3.4	323.5	3143	700		
725	12.3	19	2.3	320.6	2834	12.2	20	2.4	320.8	2828	11.4	25	2.9	321.4	2841	10.9	40	4.5	325.5	2852	725		
750	14.8	17	2.4	320.6	2549	14.2	19	2.6	320.6	2543	13.2	24	3.1	320.8	2557	12.5	63	7.6	333.4	2568	750		
775	16.0	17	2.5	319.2	2271	16.2	19	2.8	320.4	2266	14.8	27	3.7	321.6	2280	14.0	67	8.7	335.0	2291	775		
800	17.0	17	2.6	317.7	2002	16.6	22	3.3	319.3	1996	15.6	47	6.5	327.6	2011	15.8	65	9.2	335.5	2022	800		
825	17.3	40	6.0	325.1	1739	16.8	30	4.4	319.9	1734	16.6	46	6.7	326.3	1750	17.6	46	7.1	328.7	1760	825		
850	18.0	38	5.3	322.8	1484	17.5	45	6.6	324.4	1480	19.2	18	2.9	315.6	1495	18.6	51	8.1	329.9	1504	850		
875	18.8	42	6.6	323.0	1236	18.5	55	8.5	328.0	1231	19.7	34	5.7	321.6	1246	19.1	67	10.7	335.2	1254	875		
900	19.5	51	8.0	325.4	994	19.5	64	10.2	331.4	989	20.0	52	8.6	327.4	1003	20.4	52	8.7	328.1	1011	900		
925	20.3	64	10.4	330.1	757	21.0	66	11.3	333.5	752	21.1	53	9.0	327.2	766	19.9	62	9.9	328.4	774	925		
950	21.1	76	12.6	334.4	526	21.0	84	13.9	337.9	520	21.6	69	11.9	333.2	535	20.2	86	13.5	335.9	544	950		
975	23.0	71	12.9	335.0	300	23.0	77	14.2	338.6	294	22.0	87	15.1	339.6	308	22.4	81	14.3	338.2	318	975		
1000	24.8	66	13.1	335.3	78	26.2	75	16.3	345.8	72	23.9	92	17.4	345.8	87	24.4	81	15.7	341.7	96	1000		
SFC.	30.0	67	18.0	354.7	0	27.8	78	18.5	353.1	0	24.8	92	18.3	348.2	0	25.0	84	16.8	344.5	0	SFC.		
					1008.8					1008.1					1009.9						1011.0		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/23 1145 GMT						3/23 15 0 GMT						3/23 1745 GMT						3/23 2039 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-70.7	0	0.0	452.8	19419	-68.4	0	0.0	457.8	19399	-67.0	0	0.0	460.9	19477	-66.8	0	0.0	461.4	19506	60		
70	-68.7	0	0.0	437.4	18502	-69.4	0	0.0	435.9	18482	-68.9	0	0.0	437.0	18554	-69.8	0	0.0	435.1	18584	70		
80	-69.6	0	0.0	419.3	17701	-74.2	24	.0	409.7	17692	-69.0	0	0.0	420.5	17752	-69.8	20	.0	418.7	17788	80		
90	-76.6	32	.0	391.4	17010	-79.5	24	.0	385.7	17018	-78.3	21	.0	387.9	17061	-77.3	20	.0	390.0	17095	90		
100	-75.7	33	.0	381.5	16406	-77.3	24	.0	378.4	16415	-76.3	20	.0	380.3	16459	-75.8	20	.0	381.3	16488	100		
110	-76.3	33	.0	370.0	15854	-77.3	24	.0	368.2	15869	-76.3	20	.0	370.1	15909	-73.4	21	.0	375.6	15934	110		
120	-77.1	33	.0	359.6	15354	-77.3	24	.0	359.2	15370	-76.3	21	.0	361.0	15408	-76.0	21	.0	361.5	15427	120		
130	-74.0	33	.0	357.0	14891	-73.7	24	.0	357.4	14907	-74.6	21	.0	355.9	14945	-73.5	21	.0	357.9	14963	130		
140	-70.1	33	.0	356.3	14455	-70.1	24	.0	356.4	14470	-70.6	21	.0	355.5	14510	-70.5	20	.0	355.7	14526	140		
150	-66.6	33	.0	355.5	14041	-66.8	24	.0	355.0	14056	-66.8	20	.0	355.0	14097	-67.7	20	.0	353.6	14114	150		
160	-63.2	33	.0	354.7	13647	-64.6	24	.0	352.3	13664	-63.3	20	.0	354.4	13704	-65.0	20	.0	351.6	13723	160		
170	-61.7	34	.0	351.1	13272	-62.5	24	.0	349.8	13292	-61.7	21	.0	351.1	13329	-62.5	20	.0	349.7	13351	170		
180	-60.3	35	.0	347.7	12918	-60.5	24	.0	347.4	12938	-60.5	21	.0	347.3	12975	-60.2	20	.0	347.9	12997	180		
190	-60.6	35	.0	341.9	12582	-58.6	24	.0	345.1	12599	-58.4	21	.0	345.4	12636	-58.0	20	.0	346.1	12658	190		
200	-58.4	36	.0	340.5	12261	-56.8	24	.0	342.9	12276	-56.4	20	.0	343.5	12312	-55.9	20	.0	344.4	12333	200		
225	-52.7	37	.0	338.0	11511	-51.1	23	.0	340.3	11521	-51.3	20	.0	340.1	11557	-50.9	20	.0	340.6	11575	225		
250	-46.2	32	.1	337.8	10820	-45.1	22	.1	339.3	10826	-45.0	20	.1	339.4	10862	-44.7	20	.1	339.8	10880	250		
275	-40.3	29	.1	337.4	10178	-39.6	21	.1	338.2	10182	-39.3	19	.1	338.7	10217	-39.2	19	.1	338.9	10234	275		
300	-34.9	25	.2	336.8	9578	-34.6	20	.1	337.1	9581	-34.1	19	.1	337.9	9615	-34.0	19	.1	338.0	9631	300		
325	-31.1	27	.2	334.7	9015	-30.9	22	.2	334.8	9017	-29.3	19	.2	337.1	9049	-29.3	19	.2	337.1	9065	325		
350	-27.4	20	.2	332.8	8486	-26.8	21	.2	333.6	8487	-26.0	20	.3	334.7	8515	-26.4	20	.3	334.1	8533	350		
375	-23.6	19	.3	331.6	7985	-22.9	19	.3	332.5	7985	-23.2	20	.3	332.1	8014	-22.8	19	.3	332.6	8031	375		
400	-20.0	19	.4	330.4	7510	-19.3	19	.4	331.4	7508	-19.7	19	.4	330.8	7538	-19.3	18	.4	331.3	7554	400		
425	-16.4	35	.9	331.1	7057	-16.4	24	.6	330.1	7055	-15.9	29	.7	331.3	7084	-15.5	18	.5	331.0	7100	425		
450	-13.2	23	.7	329.2	6625	-12.9	17	.5	329.0	6622	-12.3	23	.7	330.5	6651	-11.9	18	.6	330.6	6666	450		
475	-10.6	28	1.0	328.5	6211	-10.3	22	.8	328.0	6208	-9.2	19	.8	329.3	6235	-9.2	19	.8	329.4	6250	475		
500	-8.5	42	1.7	328.6	5814	-8.0	28	1.2	327.5	5811	-7.0	26	1.2	328.8	5837	-6.8	20	.9	328.1	5851	500		
525	-6.7	72	3.2	330.8	5434	-6.4	57	2.5	329.2	5431	-5.8	48	2.3	329.1	5455	-5.0	30	1.5	327.6	5469	525		
550	-4.6	74	3.7	330.6	5069	-4.1	63	3.2	329.7	5065	-3.7	53	2.8	329.0	5088	-3.8	49	2.5	328.1	5102	550		
575	-2.3	74	4.1	330.6	4717	-1.8	46	2.7	326.7	4713	-2.1	40	2.3	325.1	4736	-1.6	33	1.9	324.6	4750	575		
600	-.9	66	3.9	327.6	4378	.1	76	4.9	331.6	4373	.4	59	3.9	329.0	4396	.5	51	3.4	327.7	4409	600		
625	1.9	69	4.8	329.9	4050	2.2	66	4.7	330.0	4044	2.3	53	3.8	327.3	4067	3.0	44	3.4	326.8	4080	625		
650	4.7	52	4.3	328.0	3731	5.1	52	4.4	328.6	3725	5.1	51	4.3	328.6	3748	5.4	36	3.1	325.1	3761	650		
675	7.3	39	3.7	325.5	3422	7.4	31	2.9	323.5	3415	7.7	36	3.5	325.4	3438	7.6	31	3.0	323.9	3451	675		
700	9.2	33	3.4	323.6	3122	9.5	20	2.1	320.0	3115	9.9	32	3.5	324.8	3137	9.6	33	3.6	324.6	3150	700		
725	11.0	28	3.1	321.6	2830	11.5	24	2.9	321.3	2823	11.9	39	4.7	327.4	2845	11.5	36	4.2	325.4	2858	725		
750	12.2	51	6.0	328.4	2547	12.3	46	5.5	327.1	2539	13.2	45	5.7	328.5	2560	13.4	38	4.8	326.3	2574	750		
775	13.2	57	7.0	329.3	2271	14.5	30	4.0	322.1	2264	14.9	28	3.8	321.9	2283	15.8	27	3.9	323.4	2297	775		
800	15.8	39	5.5	325.1	2002	16.6	32	4.7	323.4	1994	14.7	36	4.7	321.3	2015	15.8	35	5.0	323.3	2027	800		
825	17.5	37	5.7	324.5	1740	15.2	65	8.6	330.1	1733	16.7	48	7.0	327.4	1754	16.1	39	5.5	322.4	1766	825		
850	17.7	66	9.9	333.8	1485	16.6	54	7.6	326.0	1479	17.7	55	8.2	329.2	1498	17.3	45	6.5	323.8	1511	850		
875	18.7	59	9.1	330.1	1236	16.1	99	13.1	338.0	1232	17.6	70	10.2	331.8	1250	17.9	53	7.9	325.7	1264	875		
900	16.4	94	12.4	333.6	995	17.5	99	14.0	339.3	991	18.9	74	11.3	333.7	1008	18.6	61	9.2	327.5	1022	900		
925	18.0	88	12.5	333.2	761	19.1	98	14.9	340.9	755	20.4	75	12.4	335.6	772	19.3	69	10.6	329.4	786	925		
950	19.6	83	12.6	332.7	531	21.0	94	15.7	342.8	524	21.3	80	13.7	337.7	540	21.5	73	12.6	335.0	555	950		
975	21.8	84	14.3	337.2	306	22.8	91	16.5	344.5	297	22.2	83	14.4	338.2	314	24.7	75	15.3	343.6	328	975		
1000	24.0	84	16.0	342.1	84	24.6	87	17.2	346.2	75	24.7	80	15.9	342.7	92	27.7	77	18.3	353.4	104	1000		
SFC.	25.1	84	16.9	345.1	0	25.2	86	17.5	346.8	0	26.6	81	17.9	349.4	0	29.1	78	19.9	358.4	0	SFC.		
				SURFACE PRESSURE	1009.6				SURFACE PRESSURE	1008.5				SURFACE PRESSURE	1010.5				SURFACE PRESSURE	1011.7			



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/24 07 GMT						3/24 30 GMT					3/24 90 GMT					3/24 120 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-65.9	0	0.0	463.4	19515	-65.8	0	0.0	463.6	19537	-67.9	0	0.0	458.9	19473	-65.7	0	0.0	463.8	19436	60	
70	-69.9	0	0.0	434.9	18588	-69.7	17	.0	435.4	18606	-70.2	0	0.0	434.2	18545	-70.7	21	.0	433.2	18506	70	
80	-70.9	18	.0	416.5	17794	-71.5	17	.0	415.3	17813	-71.7	25	.0	414.9	17753	-72.0	22	.0	414.3	17715	80	
90	-77.5	18	.0	389.6	17103	-75.6	17	.0	393.4	17122	-77.2	25	.0	390.2	17067	-80.3	22	.0	384.0	17036	90	
100	-75.3	19	.0	382.3	16496	-75.0	17	.0	382.8	16514	-78.2	25	.0	376.7	16464	-78.8	23	.0	375.5	16438	100	
110	-73.3	19	.0	375.8	15941	-75.5	18	.0	371.6	15961	-77.9	25	.0	367.2	15919	-78.5	22	.0	365.9	15895	110	
120	-75.4	19	.0	362.7	15434	-74.7	18	.0	364.0	15458	-77.2	25	.0	359.3	15421	-78.3	22	.0	357.3	15399	120	
130	-73.8	19	.0	357.3	14970	-72.3	17	.0	360.0	14990	-73.7	24	.0	357.5	14958	-74.3	21	.0	356.4	14938	130	
140	-70.7	19	.0	355.2	14534	-69.8	17	.0	356.9	14551	-70.4	24	.0	355.8	14522	-71.0	21	.0	354.7	14502	140	
150	-67.9	18	.0	353.2	14122	-66.8	17	.0	355.0	14137	-67.4	23	.0	354.1	14109	-68.9	21	.0	351.4	14092	150	
160	-65.2	18	.0	351.2	13732	-64.1	17	.0	353.2	13745	-65.9	24	.0	350.1	13718	-66.9	21	.0	348.4	13704	160	
170	-62.7	18	.0	349.4	13360	-61.5	17	.0	351.5	13371	-63.2	23	.0	348.6	13348	-64.8	21	.0	345.9	13336	170	
180	-60.1	18	.0	348.0	13006	-58.9	17	.0	350.0	13015	-60.6	23	.0	347.2	12994	-61.8	21	.0	345.3	12985	180	
190	-57.6	18	.0	346.7	12667	-56.4	17	.0	348.6	12673	-58.2	22	.0	345.8	12656	-58.9	20	.0	344.6	12648	190	
200	-55.1	18	.0	345.6	12341	-54.1	16	.0	347.3	12346	-55.9	22	.0	344.4	12331	-56.2	20	.0	343.9	12324	200	
225	-49.6	17	.0	342.7	11579	-48.7	16	.0	344.0	11581	-50.0	22	.0	342.0	11572	-49.6	19	.0	342.7	11564	225	
250	-44.2	17	.1	340.5	10882	-43.2	17	.1	342.1	10880	-44.1	23	.1	340.8	10875	-44.2	17	.1	340.6	10865	250	
275	-38.7	18	.1	339.5	10235	-38.1	17	.1	340.5	10231	-38.8	24	.1	339.6	10228	-39.1	17	.1	338.9	10220	275	
300	-33.8	18	.1	338.3	9631	-33.4	18	.1	338.9	9626	-33.9	25	.2	338.4	9624	-33.9	16	.1	338.1	9617	300	
325	-29.2	19	.2	337.2	9065	-28.6	23	.3	338.3	9059	-29.3	26	.3	337.4	9058	-29.1	18	.2	337.4	9050	325	
350	-25.8	32	.4	335.6	8531	-24.1	39	.6	338.6	8523	-24.4	28	.4	337.6	8523	-24.5	21	.3	337.0	8516	350	
375	-21.9	22	.4	334.1	8028	-21.0	35	.7	336.4	8016	-19.8	30	.6	337.8	8016	-20.2	24	.5	336.7	8009	375	
400	-17.9	16	.4	333.2	7549	-17.5	18	.4	333.9	7536	-18.1	30	.7	334.0	7536	-17.4	66	1.6	338.1	7527	400	
425	-14.4	16	.5	332.3	7092	-14.1	17	.5	332.8	7079	-15.1	24	.7	332.1	7080	-15.0	27	.8	332.5	7071	425	
450	-11.1	16	.6	331.4	6656	-11.0	16	.6	331.7	6643	-12.3	18	.6	330.0	6646	-13.3	24	.7	329.2	6637	450	
475	-8.6	16	.7	329.8	6239	-8.5	17	.7	330.1	6226	-9.7	19	.7	328.6	6231	-10.1	24	.9	328.6	6223	475	
500	-6.3	17	.8	328.3	5840	-6.1	18	.8	328.6	5826	-7.4	24	1.1	327.8	5833	-7.1	23	1.0	328.1	5826	500	
525	-4.5	29	1.5	328.3	5457	-4.4	27	1.4	328.2	5443	-5.2	29	1.4	327.2	5451	-4.8	25	1.3	327.1	5443	525	
550	-3.1	46	2.6	328.9	5090	-3.2	48	2.6	329.1	5076	-3.9	48	2.5	327.8	5085	-3.7	43	2.2	327.2	5077	550	
575	-1.5	26	1.7	325.1	4736	-.8	33	2.1	326.1	4722	-1.2	50	3.0	328.6	4732	-1.4	53	3.2	328.7	4724	575	
600	2.3	31	2.3	326.5	4394	1.5	40	2.9	327.2	4381	1.3	53	3.7	329.7	4391	-.4	76	4.7	330.6	4384	600	
625	4.9	35	3.0	328.0	4063	3.6	47	3.7	328.7	4051	2.6	71	5.2	331.8	4061	1.9	70	4.9	330.2	4056	625	
650	6.9	35	3.4	327.8	3742	6.3	31	2.9	325.4	3731	4.6	66	5.4	331.1	3742	4.6	58	4.8	329.2	3737	650	
675	8.9	35	3.7	327.6	3430	7.5	49	4.8	329.1	3420	6.6	59	5.4	329.8	3433	6.3	64	5.7	330.4	3428	675	
700	10.7	33	3.8	326.6	3128	9.5	36	3.8	325.3	3120	8.6	52	5.2	328.3	3133	8.5	45	4.4	325.8	3129	700	
725	12.4	30	3.7	325.0	2835	11.5	23	2.7	320.9	2827	10.5	47	5.1	326.9	2842	10.5	53	5.8	329.0	2837	725	
750	14.1	26	3.5	323.2	2550	13.2	27	3.5	322.0	2543	12.0	47	5.5	326.7	2558	12.4	61	7.4	332.6	2553	750	
775	15.7	23	3.3	321.4	2273	14.5	44	5.9	327.5	2267	13.6	47	5.9	326.5	2283	13.9	44	5.7	326.4	2277	775	
800	16.3	40	5.9	326.6	2003	15.6	61	8.5	333.4	1998	15.1	46	6.2	326.3	2014	16.6	40	6.0	327.3	2008	800	
825	17.1	45	6.6	326.8	1741	17.7	32	5.0	322.7	1736	16.5	46	6.6	326.1	1753	17.7	43	6.6	327.5	1746	825	
850	18.3	38	5.9	323.2	1486	19.0	35	5.7	323.6	1480	17.9	46	7.0	326.0	1498	18.8	45	7.3	327.8	1490	850	
875	19.2	39	6.2	322.5	1237	20.4	38	6.5	324.6	1231	19.3	46	7.4	325.9	1249	19.3	56	9.0	330.6	1240	875	
900	21.0	56	9.7	331.9	994	21.6	40	7.3	325.8	987	19.9	60	9.8	330.8	1006	17.8	89	12.8	336.5	998	900	
925	22.2	51	9.3	329.5	756	22.2	51	9.3	329.5	749	20.3	78	12.8	336.9	770	19.7	91	14.4	340.2	762	925	
950	22.3	65	11.7	333.6	524	21.9	73	12.7	335.8	517	20.9	94	15.5	342.2	538	20.6	93	15.1	340.7	531	950	
975	23.3	70	13.1	336.0	297	23.9	78	15.1	342.3	290	22.7	91	16.4	344.1	312	21.8	94	16.0	341.8	305	975	
1000	26.8	68	15.3	343.9	75	26.4	80	17.6	349.5	66	24.4	88	17.2	345.9	89	24.1	88	16.9	344.7	83	1000	
SFC.	29.2	71	18.3	354.3	0	27.2	80	18.3	351.9	0	25.1	87	17.5	346.7	0	25.0	86	17.2	345.8	0	SFC.	
				SURFACE PRESSURE	1008.4				SURFACE PRESSURE	1007.5				SURFACE PRESSURE	1010.2				SURFACE PRESSURE	1009.5		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/24 1750 GMT					3/25 0 1 GMT					3/25 6 0 GMT					3/25 12 5 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-62.6	0	0.0	470.8	19532	-71.8	0	0.0	450.2	19546	-60.5	0	0.0	475.5	19455	-62.9	0	0.0	470.2	19466	60
70	-69.4	0	0.0	435.9	18600	-69.0	0	0.0	436.8	18626	-72.0	31	.0	430.4	18536	-68.3	0	0.0	438.4	18524	70
80	-70.9	0	0.0	416.4	17809	-68.9	20	.0	420.7	17834	-73.6	32	.0	411.0	17753	-74.0	0	0.0	410.1	17737	80
90	-71.5	20	.0	401.6	17113	-73.2	20	.0	398.1	17134	-80.2	32	.0	384.3	17071	-76.9	41	.0	390.8	17054	90
100	-76.0	20	.0	380.9	16502	-77.0	20	.0	379.0	16527	-78.4	32	.0	376.3	16475	-79.9	41	.0	373.4	16455	100
110	-74.8	20	.0	372.9	15950	-76.8	20	.0	369.3	15978	-77.7	31	.0	367.5	15930	-76.7	41	.0	369.4	15911	110
120	-76.9	20	.0	359.9	15450	-76.8	20	.0	360.1	15479	-76.7	31	.0	360.2	15432	-75.4	41	.0	362.6	15409	120
130	-73.1	20	.0	358.6	14986	-73.0	20	.0	358.7	15015	-73.3	31	.0	358.2	14967	-73.4	41	.0	358.0	14943	130
140	-69.6	20	.0	357.3	14548	-69.5	20	.0	357.3	14577	-70.1	31	.0	356.3	14530	-70.8	41	.0	355.1	14508	140
150	-67.4	20	.0	354.0	14134	-66.1	20	.0	356.2	14162	-66.4	31	.0	355.8	14116	-67.3	41	.0	354.2	14095	150
160	-66.4	20	.0	349.2	13744	-62.9	19	.0	355.2	13767	-62.8	31	.0	355.3	13722	-64.1	41	.0	353.2	13703	160
170	-64.8	20	.0	345.8	13376	-62.9	20	.0	349.1	13394	-60.4	31	.0	353.2	13346	-61.0	41	.0	352.3	13329	170
180	-61.8	20	.0	345.3	13025	-60.7	20	.0	347.1	13041	-59.5	32	.0	349.0	12989	-58.6	43	.0	350.6	12972	180
190	-58.8	20	.0	344.8	12688	-58.0	20	.0	346.0	12702	-58.6	33	.0	345.1	12650	-56.7	45	.0	348.3	12631	190
200	-55.9	20	.0	344.4	12363	-55.5	20	.0	345.0	12377	-56.6	33	.0	343.3	12327	-56.7	48	.0	343.2	12305	200
225	-49.1	21	.0	343.4	11602	-49.4	20	.0	343.0	11616	-50.1	32	.1	342.0	11568	-51.3	48	.1	340.2	11551	225
250	-43.1	22	.1	342.3	10902	-43.3	19	.1	341.9	10916	-44.3	32	.1	340.6	10871	-45.2	46	.1	339.4	10857	250
275	-37.7	22	.1	341.1	10252	-37.8	18	.1	340.9	10267	-39.0	32	.1	339.3	10225	-39.7	45	.2	338.6	10213	275
300	-32.7	23	.2	340.0	9646	-32.8	18	.1	339.8	9661	-34.2	31	.2	338.0	9622	-34.6	43	.3	337.7	9612	300
325	-28.2	23	.3	339.0	9077	-28.2	17	.2	338.7	9092	-29.8	31	.3	336.8	9057	-30.0	39	.4	336.8	9047	325
350	-23.9	23	.4	338.0	8540	-23.5	17	.3	338.2	8555	-26.0	24	.3	334.9	8524	-25.8	36	.5	335.9	8515	350
375	-20.0	24	.5	337.1	8032	-19.2	17	.4	337.7	8047	-21.7	29	.5	334.8	8021	-22.0	44	.8	335.3	8011	375
400	-17.4	51	1.2	336.9	7551	-15.1	17	.5	337.3	7563	-18.3	38	.9	334.4	7541	-18.4	49	1.1	335.1	7533	400
425	-14.6	25	.7	333.0	7095	-13.7	33	1.0	335.1	7102	-14.5	43	1.3	335.0	7085	-15.2	48	1.3	334.2	7078	425
450	-12.0	23	.8	330.9	6659	-10.6	18	.7	332.4	6665	-11.4	20	.7	331.5	6650	-11.6	30	1.0	332.4	6643	450
475	-9.4	22	.9	329.4	6244	-8.1	20	.9	331.2	6247	-10.0	17	.7	328.0	6234	-10.2	23	.9	328.4	6227	475
500	-6.9	21	.9	328.0	5845	-5.7	24	1.2	330.3	5847	-8.2	64	2.6	331.8	5837	-8.4	48	1.9	329.4	5831	500
525	-4.5	19	1.0	326.7	5463	-3.5	27	1.5	329.5	5463	-6.0	28	1.3	325.6	5457	-5.7	40	1.9	328.0	5450	525
550	-2.7	30	1.7	326.7	5095	-1.3	30	1.9	329.0	5094	-3.7	31	1.6	325.3	5091	-3.8	45	2.3	327.3	5084	550
575	-1.7	52	3.0	328.0	4742	.7	33	2.3	328.7	4738	-1.3	38	2.3	326.2	4738	-1.2	52	3.2	329.0	4731	575
600	.4	45	3.0	326.3	4402	2.7	35	2.7	328.2	4395	.4	58	3.8	328.8	4397	.9	64	4.4	331.2	4390	600
625	2.8	46	3.4	326.7	4073	4.8	34	2.9	327.5	4063	1.9	64	4.5	328.9	4069	2.2	48	3.4	325.9	4061	625
650	5.1	47	4.0	327.5	3754	6.8	33	3.1	326.9	3742	4.5	27	2.2	321.3	3751	4.8	39	3.2	324.7	3743	650
675	7.8	35	3.4	325.4	3444	8.7	32	3.4	326.3	3431	6.5	41	3.7	324.7	3442	7.0	42	3.9	325.9	3434	675
700	9.3	37	3.9	325.1	3143	10.5	32	3.6	325.7	3129	8.8	36	3.6	323.7	3142	8.9	40	4.1	325.4	3133	700
725	10.8	46	5.2	327.4	2851	12.2	31	3.8	325.0	2836	11.0	31	3.5	322.6	2851	10.7	36	4.0	323.8	2842	725
750	12.6	48	5.8	328.2	2567	13.6	29	3.8	323.4	2552	13.1	26	3.3	321.3	2567	12.1	41	4.8	324.8	2559	750
775	14.3	37	4.9	324.4	2291	14.9	28	3.8	321.8	2275	14.3	33	4.3	322.8	2291	13.4	49	6.1	326.8	2283	775
800	15.8	36	5.1	323.8	2022	16.2	26	3.7	320.2	2006	15.2	52	7.1	328.9	2023	14.8	49	6.4	326.4	2015	800
825	17.4	29	4.4	320.5	1761	16.8	42	6.0	324.7	1744	16.7	42	6.1	324.9	1761	16.2	48	6.8	326.1	1754	825
850	19.0	30	4.8	320.8	1505	18.4	32	5.0	320.8	1489	18.0	44	6.7	325.1	1506	17.5	48	7.1	325.8	1499	850
875	19.1	48	7.7	326.5	1256	19.4	37	5.9	321.8	1241	19.2	38	6.1	322.1	1257	18.3	54	8.1	326.7	1251	875
900	18.3	82	12.1	335.1	1014	20.2	50	8.2	326.6	998	20.1	64	10.5	333.0	1015	18.9	65	10.0	330.1	1009	900
925	19.6	86	13.4	337.5	778	20.9	63	10.6	331.4	761	21.4	79	13.7	340.6	777	19.7	79	12.4	334.9	773	925
950	20.8	90	14.8	340.0	547	22.1	70	12.4	335.1	529	23.3	77	14.8	343.3	544	20.4	93	14.9	339.8	542	950
975	22.1	93	16.2	342.8	321	23.8	69	13.3	337.1	302	25.1	76	15.9	346.0	316	22.0	91	15.8	341.8	316	975
1000	24.9	89	17.9	348.3	98	25.4	69	14.2	339.1	80	25.7	81	17.2	347.5	92	23.8	87	16.4	343.1	95	1000
SFC.	26.1	87	18.6	350.8	0	29.1	78	20.0	358.9	0	25.6	85	17.7	347.6	0	25.1	85	17.1	345.5	0	SFC.
				SURFACE PRESSURE	1011.2				SURFACE PRESSURE	1009.0				SURFACE PRESSURE	1010.5				SURFACE PRESSURE	1010.8	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/25 1736 GMT					3/25 2140 GMT					3/27 010 GMT					3/27 635 GMT					P		
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-62.3	0	0.0	471.5	19543	-60.2	0	0.0	476.2	19616	-67.2	0	0.0	460.4	19527	-69.8	0	0.0	454.7	19472	60	
70	-66.8	21	.0	441.7	18600	-67.2	0	0.0	440.6	18675	-67.0	21	.0	441.2	18597	-69.2	0	0.0	436.3	18551	70	
80	-72.4	22	.0	413.4	17804	-69.6	25	.0	419.3	17872	-72.6	21	.0	413.1	17808	-71.3	18	.0	415.7	17756	80	
90	-73.8	23	.0	396.9	17116	-71.5	25	.0	401.5	17176	-73.5	21	.0	397.7	17117	-78.2	18	.0	388.2	17071	90	
100	-78.3	23	.0	376.5	16514	-78.1	25	.0	376.9	16565	-79.4	19	.0	374.3	16510	-82.0	18	.0	369.3	16478	100	
110	-76.0	23	.0	370.8	15967	-75.2	25	.0	372.3	16016	-77.0	19	.0	368.7	15966	-78.8	18	.0	365.4	15940	110	
120	-74.0	22	.0	365.3	15462	-74.9	25	.0	363.7	15512	-74.9	18	.0	363.6	15464	-76.6	18	.0	360.5	15441	120	
130	-72.2	22	.0	360.3	14993	-71.9	25	.0	360.7	15044	-72.9	18	.0	358.9	14997	-75.9	18	.0	353.5	14980	130	
140	-69.4	22	.0	357.6	14554	-69.2	25	.0	358.0	14604	-71.1	18	.0	354.6	14560	-72.6	18	.0	352.0	14548	140	
150	-65.7	22	.0	357.0	14139	-65.8	25	.0	356.8	14189	-67.1	18	.0	354.5	14148	-69.4	17	.0	350.6	14140	150	
160	-62.3	22	.0	356.3	13744	-62.3	25	.0	356.2	13794	-63.4	18	.0	354.4	13755	-66.1	17	.0	349.8	13752	160	
170	-59.9	22	.0	354.0	13367	-59.0	25	.0	355.6	13417	-60.1	18	.0	353.7	13379	-62.8	16	.0	349.3	13381	170	
180	-59.0	23	.0	349.8	13009	-57.2	25	.0	352.8	13057	-57.9	18	.0	351.5	13021	-59.7	16	.0	348.7	13026	180	
190	-57.6	23	.0	346.8	12669	-55.5	25	.0	350.1	12713	-55.0	18	.0	350.9	12678	-56.7	16	.0	348.1	12686	190	
200	-55.3	24	.0	345.4	12343	-53.9	25	.0	347.6	12385	-52.2	18	.0	350.3	12348	-53.9	15	.0	347.5	12359	200	
225	-50.0	25	.0	342.1	11583	-49.3	25	.0	343.2	11622	-47.5	18	.0	345.9	11577	-47.6	15	.0	345.8	11592	225	
250	-44.4	25	.1	340.4	10886	-43.8	26	.1	341.3	10923	-43.2	19	.1	342.1	10875	-42.0	14	.1	343.9	10887	250	
275	-38.4	23	.1	340.1	10239	-38.8	27	.1	339.6	10276	-38.9	21	.1	339.2	10227	-38.3	14	.1	340.0	10237	275	
300	-33.0	21	.2	339.6	9634	-33.1	26	.2	339.6	9671	-33.5	21	.2	338.8	9623	-33.6	14	.1	338.5	9633	300	
325	-29.2	27	.3	337.5	9068	-28.3	25	.3	338.8	9103	-28.5	20	.2	338.3	9056	-28.9	13	.1	337.4	9066	325	
350	-24.8	31	.5	337.1	8533	-24.5	26	.4	337.3	8567	-24.6	20	.3	336.7	8520	-24.4	12	.2	336.6	8531	350	
375	-21.6	35	.6	335.4	8027	-20.9	26	.5	336.0	8061	-21.2	20	.4	335.0	8015	-20.7	13	.3	335.2	8025	375	
400	-18.0	26	.6	333.9	7549	-17.5	27	.7	334.7	7581	-17.5	20	.5	334.1	7535	-18.7	25	.5	332.7	7545	400	
425	-14.9	29	.8	332.8	7093	-13.7	24	.7	334.1	7123	-14.1	20	.6	333.1	7078	-16.1	39	1.0	331.9	7091	425	
450	-11.7	19	.6	330.9	6657	-10.1	20	.8	333.5	6686	-10.9	19	.7	332.2	6641	-12.4	36	1.2	331.8	6657	450	
475	-9.1	20	.8	329.7	6241	-7.3	20	.9	332.4	6267	-7.9	19	.9	331.3	6223	-10.0	36	1.4	330.4	6242	475	
500	-6.6	21	1.0	328.6	5842	-5.0	22	1.1	331.0	5865	-5.0	19	1.0	330.5	5823	-7.7	27	1.1	327.7	5845	500	
525	-4.2	22	1.2	327.5	5459	-2.8	23	1.4	329.9	5480	-3.7	21	1.2	328.0	5438	-5.1	28	1.4	327.3	5464	525	
550	-2.2	25	1.4	326.5	5091	-1.8	25	1.6	328.8	5110	-1.3	19	1.2	326.7	5070	-2.2	37	2.2	328.8	5096	550	
575	-.2	33	2.1	327.0	4737	1.0	29	2.1	328.2	4754	.5	34	2.3	328.4	4714	.4	47	3.2	331.2	4741	575	
600	1.6	35	2.5	326.3	4395	2.7	33	2.6	327.8	4411	2.1	40	2.9	328.2	4371	3.0	31	2.5	327.8	4398	600	
625	2.7	31	2.3	323.1	4066	3.9	28	2.3	324.5	4080	3.8	29	2.3	324.3	4041	5.1	27	2.4	326.3	4066	625	
650	5.0	28	2.4	322.4	3747	6.1	31	2.8	325.2	3760	5.6	25	2.2	322.6	3721	7.0	25	2.4	324.9	3745	650	
675	7.2	26	2.4	321.6	3438	8.3	34	3.4	326.0	3449	7.3	22	2.1	320.8	3412	8.9	22	2.3	323.4	3434	675	
700	9.1	24	2.5	320.8	3138	10.0	34	3.7	325.4	3148	9.0	19	1.9	318.9	3112	10.7	20	2.3	321.9	3132	700	
725	11.0	23	2.6	319.9	2846	11.7	33	3.9	324.8	2856	10.6	30	3.3	321.6	2821	12.5	17	2.2	320.3	2839	725	
750	11.7	43	5.0	324.8	2563	13.3	33	4.2	324.3	2571	12.0	46	5.4	326.3	2538	13.8	22	2.9	320.9	2554	750	
775	13.3	39	4.8	323.0	2288	14.2	41	5.4	325.9	2295	13.3	46	5.7	325.6	2262	14.7	36	4.8	324.7	2277	775	
800	15.0	30	4.1	319.8	2020	15.1	50	6.7	327.7	2026	13.8	60	7.4	328.0	1995	15.7	32	4.5	321.8	2009	800	
825	15.8	44	6.0	323.5	1760	15.5	51	6.8	325.5	1765	14.7	64	8.2	328.4	1734	15.8	73	10.1	335.0	1747	825	
850	17.0	53	7.6	326.7	1505	15.9	51	6.7	322.8	1512	16.1	63	8.5	328.1	1481	17.8	50	7.5	327.1	1492	850	
875	18.0	62	9.3	329.7	1257	17.1	63	8.9	327.6	1265	17.8	58	8.5	327.3	1233	19.4	40	6.4	323.4	1243	875	
900	18.0	74	10.8	331.1	1016	18.4	76	11.2	332.7	1023	19.5	53	8.4	326.3	991	20.2	40	6.7	322.2	1001	900	
925	18.9	79	11.9	332.4	780	19.6	87	13.6	338.0	787	20.6	54	8.9	326.3	755	20.2	51	8.2	324.0	764	925	
950	20.2	82	12.9	334.0	550	21.5	84	14.4	339.8	556	20.9	63	10.5	328.5	524	20.4	81	13.0	334.7	534	950	
975	22.4	83	14.6	339.0	324	23.4	80	15.1	341.6	329	21.6	71	11.8	330.5	299	22.3	85	14.9	339.5	308	975	
1000	24.9	84	16.8	345.4	102	25.3	77	15.8	343.3	116	23.5	69	12.7	332.5	78	24.3	85	16.5	343.8	86	1000	
SFC.	26.0	84	17.9	348.5	0	26.1	80	17.1	346.5	0	30.0	73	19.7	359.3	0	25.1	85	17.1	345.6	0	SFC.	
				SURFACE PRESSURE	1011.6				SURFACE PRESSURE	1012.1				SURFACE PRESSURE	1008.8				SURFACE PRESSURE	1009.8		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/27 1150 GMT						3/27 20 6 GMT					3/27 2350 GMT					3/28 545 GMT					P
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-68.5	0	0.0	457.7	19334	-63.5	0	0.0	468.8	19587	-65.7	0	0.0	463.9	19566	-67.1	0	0.0	460.7	19507	60
70	-71.2	0	0.0	432.0	18416	-70.9	0	0.0	432.7	18661	-71.4	0	0.0	431.6	18643	-70.1	0	0.0	434.4	18585	70
80	-73.9	20	.0	410.4	17631	-71.8	0	0.0	414.7	17872	-72.4	0	0.0	413.4	17856	-71.5	23	.0	415.4	17793	80
90	-80.1	20	.0	384.3	16951	-75.5	21	.0	393.6	17182	-75.8	18	.0	393.0	17169	-72.3	22	.0	400.0	17099	90
100	-84.1	20	.0	365.3	16366	-80.6	21	.0	372.0	16580	-79.4	18	.0	374.3	16567	-77.8	23	.0	377.4	16488	100
110	-80.4	20	.0	362.4	15833	-77.5	21	.0	367.9	16038	-76.0	18	.0	370.7	16022	-78.0	23	.0	367.0	15945	110
120	-78.7	20	.0	356.6	15339	-74.6	21	.0	364.2	15536	-74.9	18	.0	363.5	15519	-76.2	22	.0	361.2	15446	120
130	-76.6	20	.0	352.4	14881	-71.9	21	.0	360.7	15067	-72.9	18	.0	358.9	15051	-74.6	22	.0	355.9	14982	130
140	-73.2	20	.0	350.9	14451	-69.5	21	.0	357.4	14628	-70.0	17	.0	356.6	14614	-72.3	22	.0	352.4	14549	140
150	-69.8	20	.0	350.0	14043	-66.4	21	.0	355.8	14213	-66.6	17	.0	355.4	14200	-69.1	21	.0	351.1	14140	150
160	-66.7	19	.0	348.7	13656	-63.1	21	.0	354.8	13820	-63.5	16	.0	354.1	13807	-66.1	21	.0	349.8	13752	160
170	-63.9	19	.0	347.4	13287	-60.1	20	.0	353.8	13444	-60.6	16	.0	352.9	13432	-63.0	21	.0	348.9	13381	170
180	-61.2	19	.0	346.1	12935	-57.2	20	.0	352.8	13085	-57.8	15	.0	351.7	13074	-60.1	20	.0	348.0	13027	180
190	-58.7	18	.0	344.9	12597	-54.8	20	.0	351.2	12741	-55.0	15	.0	350.9	12730	-57.4	20	.0	347.1	12688	190
200	-56.2	18	.0	343.9	12273	-52.9	20	.0	349.2	12411	-52.1	15	.0	350.4	12401	-54.8	20	.0	346.2	12362	200
225	-49.8	17	.0	342.3	11514	-47.8	20	.0	345.5	11644	-45.4	15	.0	349.1	11627	-48.6	19	.0	344.3	11598	225
250	-44.1	16	.0	340.7	10816	-41.8	19	.1	344.3	10939	-41.4	17	.1	344.8	10917	-43.0	19	.1	342.5	10896	250
275	-39.5	16	.1	338.4	10170	-36.3	18	.1	343.1	10286	-35.9	15	.1	343.6	10263	-37.9	18	.1	340.7	10247	275
300	-36.0	17	.1	335.1	9570	-32.2	18	.2	340.7	9676	-31.3	14	.1	341.8	9652	-33.3	18	.1	339.0	9641	300
325	-32.1	19	.1	333.0	9009	-28.2	20	.2	338.7	9107	-28.2	15	.2	338.6	9082	-29.1	17	.2	337.3	9074	325
350	-28.1	25	.3	331.9	8482	-24.1	23	.4	337.8	8571	-25.0	28	.4	336.7	8546	-26.4	24	.3	334.3	8542	350
375	-22.7	36	.6	333.8	7981	-21.1	36	.7	336.1	8064	-21.3	32	.6	335.7	8042	-23.1	55	.9	334.3	8040	375
400	-19.4	22	.5	331.5	7505	-17.3	22	.5	334.6	7584	-17.2	24	.6	334.9	7562	-18.6	39	.9	334.0	7563	400
425	-16.5	26	.6	330.2	7051	-13.1	19	.6	334.5	7126	-13.1	17	.6	334.3	7103	-14.7	30	.9	333.2	7107	425
450	-13.6	29	.9	329.3	6619	-10.8	21	.8	332.5	6688	-10.2	17	.6	332.8	6665	-11.1	22	.8	332.2	6672	450
475	-10.2	26	1.0	328.8	6205	-8.1	23	1.0	331.5	6271	-7.5	18	.8	331.7	6247	-8.6	19	.8	330.3	6254	475
500	-7.0	24	1.1	328.3	5808	-5.2	24	1.2	331.1	5870	-4.5	18	1.0	331.1	5845	-5.6	21	1.1	330.1	5854	500
525	-5.1	31	1.5	327.5	5426	-2.4	25	1.5	330.9	5485	-1.9	22	1.4	330.9	5459	-2.7	23	1.4	330.0	5469	525
550	-3.0	42	2.4	328.5	5059	.2	27	1.9	330.9	5114	-.3	33	2.3	331.5	5088	.1	25	1.7	330.1	5099	550
575	-.5	54	3.4	330.7	4705	1.6	43	3.2	332.6	4757	1.4	44	3.2	332.3	4731	1.8	39	3.0	332.0	4741	575
600	1.9	59	4.3	332.1	4363	3.2	29	2.3	327.7	4413	2.5	24	1.8	325.2	4388	3.2	42	3.4	330.9	4397	600
625	4.3	31	2.6	326.0	4032	5.3	27	2.4	326.6	4081	4.6	23	1.9	324.1	4057	5.2	22	2.0	325.0	4065	625
650	5.2	25	2.1	321.9	3712	7.3	27	2.6	325.9	3759	6.5	21	2.0	323.0	3736	7.6	26	2.6	326.2	3744	650
675	6.8	22	2.0	319.9	3403	9.2	26	2.8	325.1	3448	8.4	20	2.1	321.9	3426	9.5	34	3.7	328.4	3432	675
700	8.4	19	1.9	318.0	3104	11.1	25	3.0	324.4	3145	9.6	39	4.2	326.5	3125	10.3	44	4.9	329.4	3129	700
725	9.6	32	3.3	320.5	2814	12.4	32	4.0	325.8	2852	11.3	48	5.5	329.1	2832	11.4	55	6.5	332.0	2837	725
750	11.3	31	3.5	320.0	2532	13.5	40	5.2	327.7	2567	13.3	47	6.0	329.8	2548	13.2	56	7.1	332.8	2552	750
775	11.7	67	7.4	328.6	2257	14.7	48	6.5	329.7	2290	14.8	51	6.9	330.9	2271	14.9	58	7.9	334.0	2275	775
800	12.9	49	5.8	322.5	1991	16.2	48	7.0	329.7	2021	15.9	50	7.0	329.4	2002	16.1	64	9.3	336.3	2005	800
825	14.0	50	6.1	321.7	1732	17.3	46	6.8	327.6	1758	16.9	40	5.8	324.2	1740	17.1	72	10.8	338.7	1742	825
850	15.2	39	4.9	317.0	1479	17.6	47	6.9	325.4	1503	17.7	45	6.7	325.0	1485	18.1	47	7.3	327.0	1487	850
875	15.9	55	7.1	321.2	1233	17.8	61	9.0	328.6	1255	18.2	54	8.2	326.9	1236	18.6	62	9.6	331.4	1238	875
900	16.6	70	9.3	325.4	993	18.3	64	9.4	327.6	1014	18.5	54	8.0	324.1	995	20.2	55	9.1	329.2	996	900
925	18.2	67	9.6	325.3	759	19.6	65	10.2	328.8	778	19.0	70	10.6	329.0	759	21.5	68	12.0	335.9	758	925
950	18.5	98	14.0	335.1	530	20.9	75	12.4	333.6	547	20.4	72	11.5	330.5	529	21.8	81	14.2	339.7	526	950
975	20.9	95	15.4	339.1	305	23.0	69	12.6	334.2	321	22.4	67	11.8	331.4	304	22.6	88	15.7	342.2	299	975
1000	23.2	92	16.8	343.2	84	25.8	65	13.8	338.3	99	24.4	62	12.0	331.8	82	24.4	89	17.5	346.5	77	1000
SFC.	24.1	91	17.3	344.7	0	30.0	69	18.5	355.8	0	30.0	65	17.5	353.0	0	25.0	90	18.1	348.1	0	SFC.
				SURFACE PRESSURE	1009.6				SURFACE PRESSURE	1011.2				SURFACE PRESSURE	1009.3				SURFACE PRESSURE	1008.8	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/28 1155 GMT						3/28 15 0 GMT						3/28 1750 GMT						3/28 21 0 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-66.7	0	0.0	461.7	19507	-63.9	0	0.0	467.9	19479	-62.7	0	0.0	470.6	19591	-57.2	0	0.0	482.9	19594	60		
70	-72.6	23	.0	429.1	18589	-71.3	0	0.0	431.9	18551	-68.1	0	0.0	438.7	18656	-68.4	0	0.0	438.0	18653	70		
80	-73.8	22	.0	410.6	17808	-75.3	25	.0	407.4	17772	-72.8	0	0.0	412.6	17864	-72.2	19	.0	413.8	17860	80		
90	-73.4	22	.0	397.9	17120	-76.7	25	.0	391.2	17092	-74.0	0	0.0	396.6	17175	-73.4	20	.0	397.8	17169	90		
100	-76.5	22	.0	380.0	16506	-77.9	25	.0	377.2	16487	-75.0	20	.0	382.9	16562	-74.4	20	.0	384.0	16554	100		
110	-77.4	22	.0	368.0	15960	-78.3	25	.0	366.4	15944	-78.0	19	.0	366.9	16014	-76.0	20	.0	370.7	16000	110		
120	-77.0	22	.0	361.6	15459	-76.9	25	.0	360.0	15446	-76.2	19	.0	361.2	15514	-75.4	20	.0	362.7	15497	120		
130	-74.6	22	.0	355.8	14996	-74.8	25	.0	355.5	14984	-74.0	19	.0	356.9	15050	-74.4	20	.0	356.3	15033	130		
140	-72.1	22	.0	352.7	14562	-71.8	25	.0	353.4	14551	-70.9	19	.0	354.9	14615	-71.1	20	.0	354.5	14598	140		
150	-69.7	21	.0	350.1	14153	-68.6	25	.0	351.9	14141	-68.0	19	.0	352.9	14203	-68.1	20	.0	352.9	14186	150		
160	-66.3	21	.0	349.3	13766	-65.7	25	.0	350.5	13751	-65.3	19	.0	351.0	13813	-65.2	20	.0	351.2	13796	160		
170	-63.2	21	.0	348.6	13396	-62.9	24	.0	349.1	13380	-62.7	19	.0	349.5	13442	-62.6	20	.0	349.6	13425	170		
180	-60.2	21	.0	347.8	13042	-60.2	24	.0	347.8	13026	-59.5	19	.0	348.9	13087	-60.0	20	.0	348.1	13070	180		
190	-57.4	22	.0	347.0	12702	-57.8	24	.0	346.4	12687	-56.6	18	.0	348.3	12746	-57.2	20	.0	347.3	12730	190		
200	-54.7	22	.0	346.2	12376	-55.2	24	.0	345.4	12362	-53.8	18	.0	347.7	12419	-54.4	19	.0	346.7	12404	200		
225	-48.6	22	.0	344.2	11612	-48.6	22	.0	344.3	11598	-47.4	17	.0	346.0	11651	-48.0	18	.0	345.2	11638	225		
250	-42.7	20	.1	342.9	10911	-42.6	21	.1	343.1	10896	-41.7	17	.1	344.4	10946	-42.2	18	.1	343.7	10934	250		
275	-37.3	17	.1	341.6	10260	-37.2	19	.1	341.9	10245	-36.5	16	.1	342.8	10293	-37.0	17	.1	342.1	10282	275		
300	-32.8	16	.1	339.7	9653	-32.3	18	.2	340.5	9637	-31.8	16	.1	341.2	9683	-32.2	16	.1	340.6	9674	300		
325	-28.7	16	.2	337.9	9085	-28.6	18	.2	338.0	9069	-27.4	15	.2	339.7	9113	-28.7	16	.2	337.8	9105	325		
350	-25.1	19	.3	336.0	8550	-25.9	23	.3	335.0	8535	-24.0	15	.2	337.4	8575	-25.2	18	.3	335.8	8571	350		
375	-21.8	33	.6	335.0	8046	-21.8	43	.8	335.5	8031	-20.8	23	.5	335.9	8069	-21.7	21	.4	334.4	8066	375		
400	-19.2	33	.7	332.6	7569	-19.0	42	.9	333.6	7554	-17.6	19	.5	333.9	7588	-18.4	24	.5	333.1	7588	400		
425	-15.0	24	.7	332.2	7114	-15.1	29	.8	332.6	7099	-14.2	19	.6	333.0	7132	-14.7	24	.7	332.6	7132	425		
450	-11.4	20	.7	331.6	6679	-11.5	23	.8	331.8	6664	-10.9	20	.7	332.2	6695	-11.2	24	.8	332.2	6696	450		
475	-8.2	23	1.0	331.3	6262	-8.5	24	1.0	331.1	6247	-8.4	23	1.0	331.1	6278	-7.9	23	1.0	331.9	6279	475		
500	-5.3	25	1.3	331.2	5861	-5.6	28	1.4	331.1	5847	-5.1	22	1.1	330.9	5877	-4.8	23	1.2	331.6	5878	500		
525	-2.5	27	1.7	331.3	5476	-2.4	27	1.6	331.2	5462	-2.0	21	1.3	330.7	5492	-1.8	23	1.5	331.4	5492	525		
550	.2	29	2.1	331.5	5105	.2	32	2.2	332.0	5091	.9	20	1.5	330.5	5120	.4	23	1.7	330.3	5120	550		
575	2.7	27	2.2	330.6	4747	2.0	38	2.9	332.1	4733	2.6	25	2.0	330.0	4762	2.4	24	1.9	329.3	4763	575		
600	3.8	35	2.9	330.3	4402	3.6	28	2.3	328.0	4389	4.2	22	1.9	327.6	4417	4.4	24	2.1	328.3	4417	600		
625	5.5	19	1.7	324.6	4069	5.4	22	1.9	325.2	4056	6.4	18	1.7	325.7	4083	6.3	24	2.3	327.4	4084	625		
650	7.7	26	2.6	326.3	3748	7.0	40	3.9	329.4	3735	8.2	31	3.2	329.0	3761	8.1	24	2.5	326.6	3761	650		
675	9.9	24	2.7	325.8	3435	8.6	34	3.5	326.7	3424	9.9	29	3.3	327.5	3448	9.9	25	2.8	325.9	3449	675		
700	11.1	29	3.4	325.7	3133	9.1	54	5.6	330.0	3122	10.9	44	5.1	330.8	3145	11.5	25	3.0	325.2	3146	700		
725	11.7	55	6.6	332.7	2839	10.9	59	6.7	332.1	2830	12.4	43	5.3	329.8	2852	11.6	57	6.7	333.0	2853	725		
750	12.8	58	7.1	332.3	2555	12.7	64	7.9	334.4	2546	14.2	40	5.5	329.2	2566	13.5	52	6.7	332.0	2568	750		
775	15.1	48	6.6	330.5	2278	14.8	30	4.0	322.4	2270	16.0	38	5.6	328.6	2289	15.2	48	6.7	330.8	2291	775		
800	15.5	64	8.8	334.0	2008	15.1	69	9.3	334.9	2001	16.2	53	7.7	331.7	2019	17.0	43	6.6	329.4	2021	800		
825	16.5	62	8.8	332.4	1746	16.0	76	10.6	336.7	1739	17.0	56	8.2	331.2	1756	17.7	49	7.5	330.0	1758	825		
850	17.5	59	8.7	330.4	1491	16.7	62	8.8	329.5	1484	17.9	56	8.6	330.4	1501	18.2	55	8.6	330.8	1502	850		
875	18.6	62	9.7	331.5	1243	17.7	74	10.8	333.4	1237	18.5	73	11.2	335.7	1252	19.4	54	8.7	329.9	1253	875		
900	19.0	94	14.6	342.8	1000	18.5	85	12.8	337.3	995	19.7	69	11.1	334.0	1009	20.7	52	8.9	329.0	1010	900		
925	20.0	88	14.2	340.0	764	20.1	86	13.8	339.1	758	21.2	70	12.1	335.9	772	21.6	54	9.6	329.5	772	925		
950	21.6	88	15.2	342.2	532	21.6	85	14.7	340.9	526	22.1	75	13.4	337.9	540	22.1	65	11.6	333.1	540	950		
975	23.1	88	16.3	344.5	305	23.1	85	15.7	342.7	300	23.6	86	16.3	345.1	313	22.8	76	13.7	337.0	314	975		
1000	24.6	88	17.4	346.9	83	24.6	84	16.6	344.5	77	25.8	85	18.0	349.8	90	27.4	75	17.5	350.7	91	1000		
SFC.	25.2	88	17.9	347.8	0	25.1	84	17.0	345.2	0	26.7	84	18.7	351.8	0	29.2	75	19.3	356.9	0	SFC.		
				SURFACE PRESSURE	1009.4				SURFACE PRESSURE	1008.8				SURFACE PRESSURE	1010.2				SURFACE PRESSURE	1010.2			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/29 0 0 GMT					3/29 250 GMT					3/29 6 0 GMT					3/29 9 0 GMT					P		
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-64.7	0	0.0	466.0	19570	-67.7	0	0.0	459.4	19530	-67.7	0	0.0	459.4	19513	-69.0	0	0.0	456.5	19543	60	
70	-70.6	0	0.0	433.3	18644	-70.3	0	0.0	434.0	18608	-71.5	0	0.0	431.4	18594	-70.5	0	0.0	433.6	18625	70	
80	-74.6	22	.0	409.0	17861	-75.6	0	0.0	406.9	17827	-77.9	0	0.0	402.1	17817	-77.8	0	0.0	402.3	17843	80	
90	-74.8	23	.0	394.9	17177	-76.4	31	.0	391.8	17147	-77.9	33	.0	388.8	17144	-76.6	0	0.0	391.3	17167	90	
100	-75.1	24	.0	382.7	16565	-76.4	31	.0	380.2	16540	-77.0	33	.0	379.0	16541	-78.3	34	.0	376.5	16562	100	
110	-77.3	24	.0	368.3	16018	-77.0	32	.0	368.8	15992	-78.1	33	.0	366.7	15995	-76.5	34	.0	369.7	16016	110	
120	-76.0	24	.0	361.5	15517	-76.7	32	.0	360.3	15492	-75.9	33	.0	361.7	15495	-74.9	34	.0	363.6	15512	120	
130	-72.7	24	.0	359.3	15051	-73.2	31	.0	358.4	15028	-73.9	33	.0	357.2	15030	-73.4	34	.0	358.0	15046	130	
140	-69.6	24	.0	357.3	14613	-70.0	31	.0	356.5	14590	-71.9	33	.0	353.3	14595	-70.6	34	.0	355.5	14610	140	
150	-66.7	24	.0	355.3	14199	-69.5	31	.0	350.4	14179	-68.6	33	.0	352.0	14185	-67.3	34	.0	354.2	14197	150	
160	-63.9	24	.0	353.4	13806	-66.0	31	.0	349.9	13790	-65.5	33	.0	350.8	13796	-64.2	34	.0	353.0	13805	160	
170	-62.7	23	.0	349.3	13433	-62.7	31	.0	349.4	13420	-62.6	33	.0	349.6	13425	-61.4	34	.0	351.7	13432	170	
180	-59.9	22	.0	348.3	13079	-59.6	31	.0	348.8	13065	-59.7	33	.0	348.8	13070	-58.6	35	.0	350.4	13075	180	
190	-56.7	23	.0	348.2	12739	-56.7	31	.0	348.2	12724	-56.7	33	.0	348.2	12729	-56.1	35	.0	349.2	12733	190	
200	-53.5	23	.0	348.1	12411	-53.9	31	.0	347.6	12397	-53.9	32	.0	347.6	12402	-53.6	35	.0	348.0	12405	200	
225	-46.4	24	.1	347.7	11641	-47.4	32	.1	346.2	11630	-47.3	32	.1	346.4	11635	-47.9	36	.1	345.4	11639	225	
250	-40.7	22	.1	346.0	10933	-41.5	33	.1	345.0	10924	-41.7	41	.2	344.8	10929	-42.2	43	.2	343.9	10935	250	
275	-35.7	21	.1	344.1	10277	-36.1	34	.2	343.8	10270	-36.5	21	.1	342.8	10275	-37.0	48	.3	342.7	10283	275	
300	-31.2	19	.2	342.2	9666	-31.2	35	.3	342.8	9659	-32.0	25	.2	341.2	9667	-31.1	42	.4	343.2	9674	300	
325	-27.0	17	.2	340.4	9094	-26.8	45	.6	342.0	9087	-27.8	36	.4	340.0	9096	-27.6	49	.6	340.9	9102	325	
350	-24.8	19	.3	336.4	8558	-24.5	19	.3	336.9	8549	-23.3	50	.8	340.6	8559	-24.1	77	1.2	340.7	8565	350	
375	-20.9	20	.4	335.4	8052	-21.1	17	.3	335.0	8043	-21.8	51	.9	336.2	8052	-20.7	84	1.6	340.1	8058	375	
400	-17.3	21	.5	334.5	7572	-17.7	18	.4	333.6	7564	-18.0	28	.6	334.0	7573	-17.5	34	.8	335.3	7578	400	
425	-14.7	21	.6	332.4	7115	-13.7	17	.5	333.5	7106	-14.1	23	.7	333.4	7117	-14.1	17	.5	332.8	7121	425	
450	-11.2	20	.7	331.7	6679	-10.5	18	.7	332.6	6669	-10.5	18	.7	332.6	6680	-10.5	13	.5	331.9	6684	450	
475	-7.9	19	.8	331.2	6262	-7.6	18	.8	331.6	6251	-8.1	27	1.2	332.1	6262	-7.3	11	.5	330.8	6266	475	
500	-4.8	18	1.0	330.6	5861	-4.9	19	1.0	330.7	5850	-4.7	22	1.2	331.6	5861	-4.8	12	.6	329.6	5864	500	
525	-2.0	18	1.1	330.0	5475	-2.3	20	1.2	330.0	5464	-1.8	20	1.3	330.9	5475	-2.3	12	.8	328.4	5479	525	
550	.6	18	1.3	329.5	5104	.2	20	1.4	329.3	5093	1.0	21	1.5	330.6	5103	-.1	14	1.0	327.5	5108	550	
575	3.1	18	1.5	328.8	4745	2.5	21	1.7	328.7	4736	2.6	26	2.1	330.1	4745	1.0	29	2.1	328.2	4752	575	
600	5.1	18	1.6	327.8	4400	4.3	23	2.0	327.8	4390	3.7	30	2.5	328.8	4400	3.2	22	1.8	326.0	4408	600	
625	7.1	18	1.8	326.8	4065	6.2	16	1.6	325.0	4057	5.8	18	1.7	324.8	4067	5.7	15	1.4	323.8	4076	625	
650	9.0	18	2.0	325.9	3742	8.1	25	2.6	326.7	3735	7.7	23	2.3	325.3	3745	7.6	27	2.7	326.6	3754	650	
675	10.7	20	2.4	325.8	3429	9.8	27	3.0	326.5	3423	9.5	28	3.1	326.5	3433	9.5	38	4.2	329.9	3442	675	
700	11.9	31	3.8	327.9	3125	11.3	33	3.9	327.7	3120	10.8	55	6.3	334.2	3131	9.8	77	8.4	339.2	3140	700	
725	12.2	55	6.8	334.0	2831	11.9	74	9.0	339.8	2826	11.4	94	11.0	345.2	2837	11.3	64	7.4	334.7	2847	725	
750	13.9	50	6.6	332.0	2546	13.8	65	8.7	338.0	2541	13.1	67	8.5	336.6	2552	13.2	57	7.2	333.0	2562	750	
775	15.5	42	6.1	329.3	2268	15.8	49	7.2	332.8	2263	14.5	56	7.5	332.1	2275	15.2	63	8.9	337.1	2285	775	
800	16.8	43	6.5	328.9	1998	16.8	53	8.0	333.5	1992	15.7	63	8.9	334.6	2006	16.7	45	6.7	329.5	2015	800	
825	17.7	51	7.9	331.0	1735	17.9	56	8.7	333.7	1729	18.2	38	6.1	326.5	1743	17.8	37	5.8	325.1	1752	825	
850	18.7	45	7.2	327.5	1480	19.3	38	6.3	325.7	1473	19.8	40	6.8	327.7	1487	18.7	35	5.5	322.7	1497	850	
875	19.9	45	7.5	326.9	1230	20.1	46	7.8	328.1	1223	20.6	51	9.0	331.9	1236	18.7	65	10.2	333.0	1248	875	
900	21.0	49	8.6	328.6	987	20.9	54	9.3	330.5	980	20.2	70	11.7	336.4	993	18.7	98	14.9	343.1	1005	900	
925	22.1	54	9.8	330.5	749	20.0	79	12.7	336.0	743	19.6	85	13.4	337.5	756	20.3	95	15.7	344.6	768	925	
950	23.1	58	11.0	332.4	517	22.0	75	13.2	337.2	511	21.5	86	14.7	340.7	525	21.9	94	16.5	346.1	536	950	
975	24.1	62	12.2	334.5	289	23.9	70	13.6	338.2	284	23.3	86	16.1	344.3	298	23.4	92	17.3	347.6	309	975	
1000	26.4	68	14.8	341.9	67	26.8	71	16.0	345.6	61	25.2	86	17.6	348.0	75	24.9	90	18.1	349.0	86	1000	
SFC.	29.8	72	19.2	357.8	0	29.0	78	19.9	358.7	0	25.8	86	18.1	349.3	0	25.5	89	18.4	349.6	0	SFC.	
				SURFACE PRESSURE	1007.5				SURFACE PRESSURE	1006.9				SURFACE PRESSURE	1008.5				SURFACE PRESSURE	1009.8		

A-160

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA CHRISTMAS ISLAND

3/29 12 0 GMT						3/29 1750 GMT						3/29 2345 GMT						3/30 6 0 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-66.9	0	0.0	461.2	19375	-63.4	0	0.0	469.0	19564	-66.1	0	0.0	463.0	19541	-65.1	0	0.0	465.2	19548	60		
70	-75.1	0	0.0	423.8	18467	-71.4	0	0.0	431.7	18635	-69.8	23	.0	435.1	18621	-70.6	0	0.0	433.3	18617	70		
80	-79.0	0	0.0	399.8	17700	-78.3	25	.0	401.3	17860	-79.4	24	.0	398.9	17843	-70.5	39	.0	417.4	17828	80		
90	-78.2	46	.0	388.3	17029	-75.9	25	.0	392.7	17183	-80.3	24	.0	384.0	17177	-80.6	39	.0	383.4	17158	90		
100	-76.2	46	.0	380.6	16425	-73.8	25	.0	385.2	16572	-78.4	24	.0	376.3	16579	-79.2	38	.0	374.7	16562	100		
110	-77.5	46	.0	367.9	15877	-74.2	25	.0	374.0	16016	-75.6	24	.0	371.5	16031	-76.7	38	.0	369.4	16017	110		
120	-76.4	46	.0	360.8	15377	-74.7	25	.0	364.0	15509	-74.0	24	.0	365.2	15525	-74.4	38	.0	364.6	15513	120		
130	-74.8	46	.0	355.6	14915	-71.8	25	.0	360.8	15041	-71.3	24	.0	361.9	15055	-72.1	38	.0	360.4	15045	130		
140	-71.6	46	.0	353.8	14481	-68.9	26	.0	358.5	14601	-68.5	24	.0	359.1	14614	-69.8	38	.0	357.0	14606	140		
150	-68.6	46	.0	352.0	14070	-66.1	26	.0	356.2	14186	-65.6	24	.0	357.2	14198	-67.6	38	.0	353.7	14193	150		
160	-65.8	46	.0	350.3	13681	-63.6	26	.0	354.1	13792	-62.7	24	.0	355.4	13803	-64.5	37	.0	352.4	13801	160		
170	-63.2	46	.0	348.7	13310	-61.2	26	.0	352.0	13418	-60.1	24	.0	353.8	13427	-61.7	37	.0	351.2	13429	170		
180	-60.8	46	.0	346.9	12957	-58.9	27	.0	350.0	13061	-57.0	24	.0	353.1	13068	-59.0	37	.0	349.9	13072	180		
190	-58.3	46	.0	345.6	12619	-56.7	27	.0	348.1	12720	-54.1	24	.0	352.3	12723	-56.4	36	.0	348.7	12731	190		
200	-55.6	46	.0	345.0	12294	-54.1	27	.0	347.3	12393	-52.9	24	.0	349.1	12394	-53.7	38	.0	348.0	12404	200		
225	-49.2	47	.1	343.6	11532	-47.3	29	.1	346.3	11626	-46.1	23	.1	348.1	11622	-47.2	46	.1	346.6	11635	225		
250	-43.4	47	.2	342.1	10833	-41.3	30	.1	345.2	10920	-40.1	22	.1	346.9	10912	-41.9	57	.2	344.7	10930	250		
275	-38.4	57	.3	340.7	10184	-36.2	36	.2	343.7	10265	-35.5	22	.1	344.4	10255	-36.7	59	.4	343.5	10277	275		
300	-33.9	67	.5	339.5	9580	-31.5	41	.4	342.5	9655	-31.0	33	.3	343.0	9643	-31.9	61	.5	342.5	9669	300		
325	-29.1	65	.7	339.2	9014	-27.2	46	.6	341.4	9084	-26.6	44	.6	342.3	9070	-27.5	73	.9	342.2	9098	325		
350	-25.6	83	1.1	338.4	8480	-23.4	51	.8	340.4	8546	-24.4	46	.7	338.4	8533	-23.1	64	1.1	341.6	8560	350		
375	-23.0	93	1.5	336.5	7977	-20.8	58	1.1	338.2	8038	-20.4	44	.9	338.0	8026	-20.2	71	1.5	340.1	8051	375		
400	-19.5	29	.6	331.9	7501	-18.0	45	1.0	335.4	7558	-17.3	28	.7	335.1	7545	-17.3	74	1.8	339.0	7570	400		
425	-15.7	23	.6	331.1	7047	-13.7	22	.7	333.9	7101	-13.7	26	.8	334.4	7087	-14.0	29	.9	334.2	7112	425		
450	-12.2	18	.6	330.2	6613	-10.0	18	.7	333.4	6664	-10.3	23	.9	333.7	6650	-10.1	20	.8	333.5	6675	450		
475	-9.2	20	.8	329.4	6197	-7.0	18	.9	332.5	6244	-7.3	23	1.1	332.9	6231	-6.7	15	.7	332.4	6256	475		
500	-6.4	21	1.0	328.9	5798	-4.2	19	1.0	331.7	5842	-4.9	27	1.4	332.1	5830	-4.5	22	1.2	331.8	5853	500		
525	-3.7	23	1.3	328.4	5415	-1.8	19	1.2	330.7	5456	-2.6	30	1.8	331.5	5444	-2.3	28	1.7	331.6	5468	525		
550	-1.7	27	1.7	327.8	5046	-.1	20	1.4	328.9	5085	-.7	30	2.0	330.1	5074	-1.1	30	1.9	329.3	5097	550		
575	-.6	35	2.2	326.7	4692	1.5	21	1.6	327.2	4728	1.0	29	2.1	328.1	4718	1.2	25	1.8	327.7	4741	575		
600	1.5	25	1.8	323.8	4350	3.1	28	2.3	327.3	4384	3.0	30	2.4	327.5	4374	3.5	21	1.7	326.0	4398	600		
625	3.8	19	1.5	322.0	4020	5.5	27	2.4	326.9	4052	5.2	32	2.8	327.6	4043	5.6	20	1.8	325.0	4065	625		
650	5.8	34	3.0	325.4	3701	7.7	29	3.0	327.4	3730	7.3	33	3.2	327.9	3721	7.6	41	4.1	330.8	3743	650		
675	7.6	33	3.1	324.3	3390	9.2	28	3.0	325.8	3419	9.3	35	3.7	328.1	3409	10.1	34	3.8	329.4	3431	675		
700	8.2	68	6.6	331.8	3090	10.6	46	5.3	330.9	3116	10.7	37	4.3	328.0	3107	12.0	50	6.3	335.6	3127	700		
725	9.2	83	8.4	334.8	2799	12.1	49	6.0	331.5	2823	12.1	39	4.8	328.0	2814	13.5	45	6.0	333.3	2832	725		
750	11.0	69	7.6	331.4	2517	13.6	46	6.0	330.0	2538	13.5	42	5.4	328.1	2529	15.0	40	5.7	330.9	2546	750		
775	12.5	59	7.0	328.4	2242	14.7	49	6.7	330.1	2261	14.8	44	6.0	328.2	2252	16.5	35	5.3	328.3	2268	775		
800	13.9	52	6.5	325.7	1975	15.7	46	6.4	327.4	1992	16.8	38	5.7	326.6	1982	17.9	31	4.9	325.7	1997	800		
825	15.8	41	5.6	322.3	1714	16.8	37	5.4	322.9	1730	17.7	38	5.9	325.4	1720	19.2	26	4.4	322.9	1733	825		
850	16.9	46	6.5	323.5	1460	17.1	53	7.7	326.8	1475	18.2	42	6.6	325.1	1464	20.0	32	5.5	324.1	1477	850		
875	16.6	66	9.0	327.4	1213	17.3	68	9.8	330.3	1228	18.5	53	8.2	327.1	1216	20.7	41	7.1	326.8	1226	875		
900	16.5	88	11.7	331.7	973	18.4	75	11.1	332.5	986	18.9	63	9.6	329.0	974	21.2	52	9.2	330.5	983	900		
925	17.7	93	12.9	333.9	738	19.7	77	12.1	334.1	750	20.4	66	10.7	331.2	737	20.7	91	15.3	343.9	745	925		
950	19.5	90	13.6	335.3	508	21.4	74	12.5	334.6	519	21.1	73	12.1	333.0	506	22.3	90	16.3	346.2	513	950		
975	21.2	87	14.3	336.7	283	22.8	79	14.2	338.3	293	23.1	71	13.1	335.6	280	24.0	89	17.4	348.5	285	975		
1000	23.6	83	15.5	340.4	62	25.4	79	16.3	344.9	71	26.0	72	15.4	343.0	58	25.6	88	18.5	351.0	62	1000		
SFC.	27.0	78	17.7	349.8	0	26.8	81	18.1	350.7	0	28.7	75	18.8	355.3	0	26.0	88	18.8	351.6	0	SFC.		
				SURFACE PRESSURE	1007.1				SURFACE PRESSURE	1008.0				SURFACE PRESSURE	1006.5				SURFACE PRESSURE	1007.0			

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA CHRISTMAS ISLAND

3/30 1220 GMT					3/30 1755 GMT					3/31 0 2 GMT					3/31 655 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P						
60	-63.0	0	0.0	469.8	19454	-63.7	0	0.0	468.3	19509	-62.2	0	0.0	471.7	19544	-63.9	0	0.0	467.9	19479	60	
70	-72.9	0	0.0	428.5	18529	-74.8	0	0.0	424.4	18589	-69.2	24	.0	436.5	18599	-66.9	44	.0	441.5	18542	70	
80	-75.6	43	.0	406.9	17746	-76.8	26	.0	404.4	17817	-74.2	24	.0	409.7	17817	-75.2	45	.0	407.6	17750	80	
90	-82.9	43	.0	378.9	17079	-79.9	26	.0	384.7	17145	-76.9	25	.0	390.8	17133	-77.3	45	.0	389.9	17071	90	
100	-79.6	43	.0	374.0	16487	-78.3	28	.0	376.5	16546	-80.1	26	.0	373.0	16536	-79.2	45	.0	374.7	16470	100	
110	-77.4	43	.0	368.0	15944	-78.1	28	.0	366.7	16002	-79.2	26	.0	364.6	15997	-80.4	45	.0	362.4	15930	110	
120	-75.2	43	.0	363.1	15442	-74.3	27	.0	364.8	15500	-75.0	26	.0	363.4	15498	-76.6	45	.0	360.4	15434	120	
130	-72.2	42	.0	360.2	14975	-70.7	27	.0	362.8	15030	-71.1	25	.0	362.1	15029	-72.6	45	.0	359.4	14969	130	
140	-69.2	42	.0	358.0	14535	-68.9	27	.0	358.5	14589	-68.0	25	.0	360.0	14587	-69.0	45	.0	358.4	14530	140	
150	-67.0	42	.0	354.8	14121	-65.8	27	.0	356.8	14173	-65.7	26	.0	357.0	14170	-68.3	46	.0	352.4	14116	150	
160	-65.1	43	.0	351.4	13730	-62.8	28	.0	355.4	13778	-63.4	26	.0	354.3	13775	-66.2	46	.0	349.6	13727	160	
170	-62.0	43	.0	350.5	13358	-60.0	28	.0	354.0	13402	-61.3	27	.0	351.7	13401	-63.9	47	.0	347.5	13358	170	
180	-59.1	42	.0	349.7	13002	-57.3	29	.0	352.7	13043	-59.4	27	.0	349.2	13045	-62.0	48	.0	344.9	13006	180	
190	-56.4	42	.0	348.8	12661	-55.0	30	.0	350.9	12699	-57.5	28	.0	346.9	12705	-59.6	48	.0	343.5	12670	190	
200	-53.8	42	.1	347.9	12333	-53.2	31	.0	348.8	12370	-55.6	28	.0	344.8	12380	-56.8	49	.0	343.0	12347	200	
225	-48.8	43	.1	344.1	11568	-47.9	32	.1	345.5	11603	-48.8	29	.1	343.9	11618	-50.3	51	.1	341.8	11589	225	
250	-42.8	43	.2	343.0	10867	-42.0	32	.1	344.2	10899	-42.8	30	.1	342.9	10916	-44.0	52	.2	341.3	10892	250	
275	-38.0	53	.3	341.3	10217	-36.7	32	.2	342.9	10246	-37.3	31	.2	341.9	10266	-38.3	53	.3	340.8	10244	275	
300	-32.9	57	.5	340.9	9611	-31.8	32	.3	341.6	9638	-32.3	32	.3	340.9	9658	-33.1	54	.4	340.4	9639	300	
325	-28.6	67	.8	340.1	9042	-28.1	43	.5	339.9	9068	-27.7	32	.4	340.0	9088	-28.9	24	.3	337.9	9072	325	
350	-24.4	71	1.1	339.8	8507	-23.7	43	.7	339.4	8531	-23.8	36	.6	338.8	8551	-24.9	18	.3	336.2	8537	350	
375	-20.6	74	1.5	339.7	8000	-19.9	39	.8	338.3	8023	-20.1	39	.8	337.9	8044	-21.5	49	.9	336.5	8032	375	
400	-18.7	59	1.3	335.3	7520	-15.9	36	1.0	338.0	7541	-16.3	38	1.0	337.6	7562	-17.0	23	.6	335.1	7552	400	
425	-15.6	38	1.0	332.7	7066	-13.2	45	1.5	337.3	7081	-12.4	33	1.2	337.2	7102	-12.9	17	.6	334.6	7094	425	
450	-11.6	29	1.0	332.3	6631	-10.6	33	1.2	334.4	6643	-9.4	20	.8	334.5	6662	-11.1	26	.9	332.8	6656	450	
475	-7.9	19	.9	331.3	6214	-8.0	31	1.3	332.9	6225	-7.2	16	.8	331.9	6243	-8.3	10	.4	329.4	6239	475	
500	-6.2	22	1.1	329.3	5813	-5.5	28	1.4	331.4	5825	-5.1	18	.9	330.3	5842	-7.1	11	.5	326.2	5840	500	
525	-5.1	28	1.4	327.2	5431	-4.7	34	1.7	328.7	5442	-2.9	20	1.2	329.1	5457	-4.5	12	.6	325.4	5458	525	
550	-3.1	34	1.9	326.9	5064	-2.3	36	2.1	328.4	5074	-.6	24	1.6	328.9	5087	-2.0	14	.8	324.6	5090	550	
575	-.9	28	1.8	325.0	4711	-.1	38	2.5	328.3	4719	1.7	27	2.0	329.0	4730	.3	16	1.0	324.0	4735	575	
600	1.8	42	3.0	328.2	4369	2.1	40	3.0	328.3	4377	3.9	31	2.6	329.2	4385	2.5	17	1.3	323.6	4393	600	
625	4.5	54	4.6	332.2	4038	4.3	48	4.0	330.1	4046	5.9	34	3.2	329.7	4052	4.7	18	1.6	323.2	4062	625	
650	6.8	41	3.9	329.3	3717	6.5	48	4.5	330.6	3725	7.8	37	3.7	330.0	3730	6.7	20	1.9	322.9	3741	650	
675	8.6	37	3.9	327.8	3406	8.5	36	3.7	327.2	3414	9.3	39	4.2	329.7	3418	8.6	23	2.3	323.0	3430	675	
700	9.2	54	5.6	330.3	3104	9.0	54	5.6	329.9	3113	10.8	41	4.7	329.5	3115	9.2	51	5.3	329.4	3129	700	
725	11.7	43	5.1	328.2	2812	11.4	45	5.3	328.5	2821	12.7	40	5.1	329.5	2822	10.6	85	9.4	339.4	2837	725	
750	14.0	31	4.1	324.9	2527	13.4	42	5.4	327.9	2537	14.6	39	5.5	329.6	2536	12.1	87	10.4	340.8	2553	750	
775	15.2	28	3.9	322.6	2250	14.5	52	7.0	330.7	2260	16.4	39	5.8	329.6	2258	13.6	89	11.4	342.3	2276	775	
800	16.2	26	3.8	320.3	1981	15.6	53	7.4	330.3	1991	18.2	38	6.2	329.7	1987	15.1	92	12.5	343.9	2007	800	
825	16.8	35	5.1	322.2	1719	16.1	65	9.0	332.4	1729	19.8	37	6.6	329.8	1723	16.5	93	13.4	345.4	1745	825	
850	17.0	54	7.8	327.2	1465	16.1	87	11.8	337.2	1474	20.3	45	8.0	331.8	1465	17.9	93	14.3	346.4	1489	850	
875	16.5	92	12.6	337.0	1217	17.0	92	12.9	338.5	1227	20.8	53	9.5	333.6	1215	19.3	93	15.1	347.5	1239	875	
900	18.2	90	13.2	338.0	976	18.7	89	13.6	339.8	985	21.3	61	10.9	335.4	970	20.6	93	15.9	348.6	995	900	
925	19.8	87	13.8	338.9	739	20.4	87	14.3	340.9	748	21.8	68	12.2	337.0	732	21.9	92	16.8	349.8	756	925	
950	21.4	85	14.5	340.2	508	22.0	84	15.0	342.1	516	23.0	70	13.2	338.4	500	23.2	92	17.7	351.0	523	950	
975	23.4	85	16.0	344.2	281	23.6	82	15.6	343.2	289	24.8	67	13.7	339.4	272	24.4	92	18.5	352.2	294	975	
1000	25.4	85	17.6	348.3	58	25.2	80	16.5	344.9	66	28.7	70	17.5	352.5	48	25.6	92	19.4	353.5	71	1000	
SFC.	25.9	85	18.1	349.5	0	26.0	82	17.5	348.0	0	31.0	74	21.3	365.5	0	26.0	92	19.7	353.9	0	SFC.	
				SURFACE PRESSURE	1006.6				SURFACE PRESSURE	1007.5				SURFACE PRESSURE	1005.4				SURFACE PRESSURE	1008.0		



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

3/31 12 0 GMT						3/31 1744 GMT					4/ 1 0 1 GMT					4/ 1 6 0 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-64.8	0	0.0	465.9	19469	-66.7	0	0.0	461.6	19440	-61.8	0	0.0	472.5	19581	-65.0	25	0.0	465.6	19461	60	
70	-69.1	0	0.0	436.5	18535	-65.8	18	0.0	443.7	18506	-63.7	0	0.0	448.2	18636	-66.7	25	0.0	441.8	18528	70	
80	-75.6	0	0.0	406.9	17756	-76.1	18	0.0	405.7	17725	-76.0	0	0.0	406.1	17833	-80.2	26	0.0	397.3	17748	80	
90	-80.5	45	0.0	383.6	17083	-78.9	19	0.0	386.7	17047	-78.2	19	0.0	388.2	17159	-81.1	26	0.0	382.4	17086	90	
100	-79.2	45	0.0	374.7	16486	-80.9	19	0.0	371.4	16451	-81.1	20	0.0	371.1	16559	-80.7	26	0.0	371.8	16492	100	
110	-80.1	45	0.0	362.9	15947	-79.5	19	0.0	364.1	15913	-79.2	20	0.0	364.6	16020	-79.3	26	0.0	364.5	15953	110	
120	-76.7	45	0.0	360.2	15450	-76.7	19	0.0	360.4	15416	-77.0	20	0.0	359.7	15523	-77.6	26	0.0	358.7	15457	120	
130	-73.6	45	0.0	357.7	14986	-74.1	19	0.0	356.9	14953	-73.9	20	0.0	357.1	15060	-74.6	26	0.0	356.0	14995	130	
140	-70.7	45	0.0	355.3	14550	-71.3	19	0.0	354.2	14518	-71.1	20	0.0	354.6	14625	-71.8	26	0.0	353.4	14561	140	
150	-68.4	45	0.0	352.3	14138	-68.3	19	0.0	352.5	14107	-67.5	20	0.0	353.8	14213	-69.2	26	0.0	351.0	14152	150	
160	-66.7	45	0.0	348.8	13750	-65.5	19	0.0	350.8	13717	-64.0	20	0.0	353.3	13821	-66.3	26	0.0	349.4	13764	160	
170	-64.0	45	0.0	347.2	13381	-62.8	19	0.0	349.2	13346	-61.0	19	0.0	352.2	13447	-63.0	25	0.0	348.9	13394	170	
180	-61.3	45	0.0	346.0	13029	-60.0	19	0.0	348.1	12992	-58.2	19	0.0	351.2	13089	-59.9	24	0.0	348.3	13039	180	
190	-58.2	45	0.0	345.9	12691	-57.4	19	0.0	347.0	12652	-55.5	19	0.0	350.1	12747	-57.0	23	0.0	347.7	12699	190	
200	-55.2	44	0.0	345.6	12366	-54.9	18	0.0	346.0	12326	-52.9	18	0.0	349.1	12418	-54.2	22	0.0	347.1	12373	200	
225	-48.4	47	0.1	344.8	11602	-49.0	18	0.0	343.5	11563	-46.8	18	0.0	347.0	11648	-47.7	21	0.0	345.6	11606	225	
250	-42.9	54	0.2	343.0	10900	-43.1	16	0.1	342.2	10863	-40.9	18	0.1	345.5	10941	-41.8	20	0.1	344.3	10902	250	
275	-37.9	57	0.3	341.6	10250	-37.7	14	0.1	340.9	10213	-36.6	19	0.1	342.7	10287	-37.4	21	0.1	341.6	10249	275	
300	-33.1	59	0.5	340.6	9644	-32.8	12	0.1	339.6	9607	-31.0	18	0.2	342.3	9677	-32.4	20	0.2	340.5	9642	300	
325	-28.8	51	0.6	339.1	9077	-28.5	22	0.3	338.5	9038	-26.2	17	0.2	341.5	9104	-27.2	19	0.2	340.1	9072	325	
350	-24.1	17	0.3	337.3	8541	-25.4	33	0.5	336.3	8503	-22.3	18	0.3	340.0	8563	-23.8	24	0.4	338.1	8534	350	
375	-20.0	10	0.2	336.0	8034	-21.5	18	0.3	334.5	7999	-18.3	18	0.4	339.1	8052	-20.0	26	0.5	337.2	8026	375	
400	-16.7	10	0.3	334.3	7552	-16.2	14	0.4	335.4	7518	-14.3	17	0.5	338.5	7567	-16.0	25	0.7	336.8	7544	400	
425	-13.5	10	0.3	332.9	7094	-13.9	12	0.4	332.5	7060	-11.4	16	0.6	336.6	7105	-13.9	22	0.7	333.6	7085	425	
450	-10.5	10	0.4	331.5	6657	-10.9	11	0.4	331.1	6624	-8.6	14	0.6	334.8	6664	-11.4	20	0.7	331.4	6649	450	
475	-8.7	14	0.6	329.4	6240	-7.7	11	0.5	330.3	6206	-6.7	14	0.7	332.1	6244	-8.3	18	0.8	330.5	6232	475	
500	-7.1	14	0.6	327.7	5841	-6.2	13	0.6	327.8	5806	-4.2	13	0.7	330.6	5841	-5.4	17	0.9	329.6	5832	500	
525	-4.4	16	0.8	326.2	5459	-5.6	16	0.8	324.5	5424	-2.7	15	0.9	328.4	5455	-2.6	16	1.0	328.7	5447	525	
550	-1.9	17	1.0	325.4	5091	-2.8	15	0.8	323.7	5057	-1.1	17	1.1	326.8	5086	-1.7	23	1.4	327.0	5078	550	
575	.7	21	1.4	325.8	4736	-.2	14	0.9	322.9	4703	1.8	17	1.3	326.5	4730	.7	22	1.5	326.1	4723	575	
600	2.0	39	2.9	327.9	4393	1.8	15	1.1	322.0	4361	4.3	17	1.4	326.1	4385	3.1	20	1.6	325.2	4379	600	
625	4.3	37	3.1	327.5	4063	3.1	21	1.6	321.4	4032	6.0	19	1.8	325.5	4052	4.1	25	2.1	324.1	4048	625	
650	6.7	48	4.6	331.2	3742	5.3	26	2.2	322.2	3713	7.7	22	2.2	325.0	3730	6.3	30	2.7	324.9	3728	650	
675	8.8	57	6.0	334.5	3430	7.4	30	2.9	323.2	3404	9.4	29	3.2	326.6	3418	8.3	41	4.2	328.3	3418	675	
700	10.3	84	9.4	342.7	3128	9.5	35	3.7	324.9	3103	11.1	42	5.0	330.8	3116	8.9	80	8.2	337.3	3116	700	
725	11.6	91	10.8	344.8	2834	10.6	55	6.1	330.0	2811	12.8	55	7.1	335.4	2822	11.0	75	8.5	337.3	2824	725	
750	12.8	92	11.5	345.0	2549	12.6	54	6.6	330.7	2527	14.7	47	6.6	333.1	2536	13.2	38	4.8	325.9	2540	750	
775	14.2	93	12.3	345.6	2272	14.8	47	6.4	329.3	2251	16.5	37	5.6	329.2	2257	14.7	32	4.3	323.2	2263	775	
800	15.5	94	13.1	346.2	2002	12.7	45	5.2	320.6	1982	17.0	51	7.7	332.8	1987	15.2	42	5.7	325.0	1994	800	
825	16.7	95	13.9	346.9	1739	12.5	58	6.4	320.8	1724	17.5	63	9.7	336.1	1724	16.0	77	10.7	336.9	1733	825	
850	17.9	96	14.7	347.7	1483	15.4	94	12.2	337.5	1471	18.2	73	11.4	338.7	1468	17.4	47	6.9	325.2	1478	850	
875	19.1	97	15.6	348.5	1233	16.6	97	13.3	339.1	1224	19.5	73	12.0	339.0	1218	18.2	76	11.4	335.8	1230	875	
900	20.4	97	16.5	349.7	989	18.4	91	13.6	339.5	982	20.7	73	12.6	339.5	974	19.4	88	14.0	341.7	987	900	
925	21.8	97	17.5	351.4	750	20.2	85	13.9	339.6	745	22.0	73	13.2	339.9	736	21.0	87	14.9	343.3	750	925	
950	22.3	97	17.6	349.5	517	21.1	86	14.4	339.5	514	23.1	73	13.8	340.4	503	22.6	85	15.7	345.0	517	950	
975	24.0	93	18.2	350.7	289	22.3	88	15.5	341.3	288	24.8	70	14.4	341.5	275	24.2	84	16.6	346.6	289	975	
1000	25.5	90	18.9	351.9	66	25.2	89	18.2	349.5	65	27.5	73	17.2	349.9	52	25.7	82	17.4	348.3	66	1000	
SFC.	26.0	89	19.0	352.2	0	26.0	89	19.0	352.2	0	29.0	82	21.0	361.9	0	26.2	82	17.7	348.8	0	SFC.	
				SURFACE PRESSURE	1007.5				SURFACE PRESSURE	1007.4				SURFACE PRESSURE	1005.8				SURFACE PRESSURE	1007.5		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/ 1 12 5 GMT					4/ 1 15 5 GMT					4/ 1 1756 GMT					4/ 1 2035 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-65.0	0	0.0	465.5	19483	-67.2	0	0.0	460.5	19465	-64.6	0	0.0	466.3	19531	-66.1	0	0.0	463.0	19555	60	
70	-65.9	38	.0	443.6	18545	-67.0	0	0.0	441.1	18535	-63.3	13	.0	449.1	18586	-63.4	0	0.0	448.7	18614	70	
80	-72.6	38	.0	413.1	17750	-74.1	30	.0	410.0	17748	-72.8	13	.0	412.6	17777	-71.0	0	0.0	416.3	17803	80	
90	-77.2	39	.0	390.2	17064	-75.5	30	.0	393.6	17063	-75.3	14	.0	394.0	17092	-77.8	21	.0	389.0	17118	90	
100	-82.6	39	.0	368.2	16470	-83.3	30	.0	366.8	16466	-79.0	15	.0	375.1	16483	-81.0	21	.0	371.3	16521	100	
110	-81.3	39	.0	360.7	15936	-80.3	30	.0	362.6	15932	-80.6	15	.0	362.1	15945	-80.4	21	.0	362.3	15984	110	
120	-78.2	39	.0	357.5	15443	-77.6	30	.0	358.7	15437	-77.6	15	.0	358.7	15450	-77.1	21	.0	359.6	15488	120	
130	-75.4	39	.0	354.5	14983	-75.1	30	.0	355.0	14976	-74.8	15	.0	355.5	14988	-74.0	21	.0	357.0	15025	130	
140	-72.8	39	.0	351.6	14551	-72.8	30	.0	351.7	14544	-72.2	15	.0	352.6	14555	-71.1	21	.0	354.6	14590	140	
150	-69.8	39	.0	349.9	14143	-70.6	30	.0	348.5	14136	-69.1	15	.0	351.0	14146	-68.4	21	.0	352.3	14179	150	
160	-66.7	39	.0	348.8	13756	-67.1	29	.0	348.1	13750	-65.9	14	.0	350.0	13758	-65.8	21	.0	350.3	13789	160	
170	-63.7	38	.0	347.7	13387	-63.7	29	.0	347.7	13381	-62.7	14	.0	349.3	13387	-62.7	21	.0	349.4	13419	170	
180	-60.8	38	.0	346.8	13034	-60.6	28	.0	347.2	13028	-59.6	14	.0	348.8	13032	-59.8	20	.0	348.5	13064	180	
190	-57.6	38	.0	346.7	12695	-57.6	27	.0	346.8	12689	-56.6	13	.0	348.3	12692	-57.0	20	.0	347.6	12724	190	
200	-54.6	37	.0	346.5	12369	-54.6	26	.0	346.5	12363	-53.8	13	.0	347.7	12364	-54.4	20	.0	346.7	12397	200	
225	-47.7	36	.1	345.8	11604	-47.6	22	.0	345.7	11597	-47.3	13	.0	346.1	11596	-47.8	20	.0	345.5	11631	225	
250	-42.2	27	.1	343.8	10899	-41.5	18	.1	344.8	10892	-41.5	12	.0	344.5	10891	-41.8	19	.1	344.2	10927	250	
275	-36.7	25	.2	342.7	10247	-36.4	19	.1	343.1	10238	-36.3	12	.1	343.0	10237	-36.4	19	.1	342.9	10273	275	
300	-31.7	25	.2	341.6	9638	-31.8	21	.2	341.4	9629	-31.5	12	.1	341.4	9627	-31.5	19	.2	341.6	9664	300	
325	-27.1	24	.3	340.6	9066	-27.5	22	.3	339.9	9058	-27.1	11	.1	339.9	9056	-27.0	18	.2	340.4	9092	325	
350	-23.1	56	1.0	341.2	8528	-24.0	53	.8	339.5	8521	-23.1	11	.2	338.5	8517	-22.8	18	.3	339.2	8553	350	
375	-19.6	75	1.6	341.5	8018	-20.7	52	1.0	337.9	8014	-20.4	15	.3	335.8	8009	-20.1	20	.4	336.5	8044	375	
400	-16.5	27	.7	336.2	7536	-16.8	16	.4	334.7	7533	-17.2	15	.4	334.1	7528	-16.3	18	.5	335.7	7563	400	
425	-13.6	26	.8	334.6	7078	-14.2	24	.7	333.4	7075	-13.8	12	.4	332.7	7071	-13.0	17	.6	334.4	7104	425	
450	-11.3	32	1.1	333.0	6641	-11.7	31	1.1	332.4	6639	-11.2	12	.4	330.9	6634	-10.4	20	.8	333.0	6666	450	
475	-8.7	28	1.2	331.4	6224	-9.4	38	1.5	331.6	6223	-9.4	17	.7	328.8	6218	-9.1	32	1.3	331.1	6248	475	
500	-5.7	20	1.0	329.6	5824	-6.3	25	1.2	329.5	5824	-6.5	16	.8	327.9	5819	-6.5	31	1.5	330.2	5849	500	
525	-3.4	25	1.4	329.2	5440	-4.5	36	1.9	329.6	5441	-3.7	16	.9	327.1	5436	-3.9	30	1.6	329.4	5466	525	
550	-2.6	39	2.2	328.5	5072	-2.4	30	1.8	327.3	5074	-2.7	19	1.1	324.7	5068	-1.7	29	1.8	328.1	5097	550	
575	-.7	32	2.0	325.9	4718	-.3	28	1.8	325.8	4719	-.8	19	1.2	323.2	4715	.4	27	1.8	326.7	4742	575	
600	1.3	36	2.5	325.9	4377	1.5	31	2.2	325.3	4378	1.2	19	1.3	321.9	4374	2.3	26	1.9	325.4	4400	600	
625	3.3	41	3.2	326.6	4047	3.3	36	2.8	325.4	4048	3.1	18	1.4	320.7	4044	4.2	24	2.0	324.0	4069	625	
650	5.2	47	4.0	327.6	3727	5.2	48	4.1	327.8	3729	5.0	17	1.4	319.4	3726	6.0	24	2.1	322.9	3749	650	
675	6.5	79	7.1	334.8	3418	6.5	75	6.8	333.8	3419	6.4	35	3.1	322.8	3417	7.9	32	3.2	324.8	3439	675	
700	8.6	45	4.5	326.0	3118	9.0	39	4.0	325.1	3119	8.7	29	2.9	321.6	3118	9.7	38	4.1	326.4	3138	700	
725	10.5	41	4.5	325.1	2827	10.6	30	3.4	321.9	2827	10.9	19	2.1	318.5	2826	12.1	20	2.5	320.8	2845	725	
750	12.6	26	3.2	320.5	2543	11.9	31	3.6	321.0	2544	12.3	24	2.9	319.3	2543	13.4	24	3.1	321.1	2561	750	
775	13.4	34	4.3	321.6	2268	13.2	41	5.0	323.6	2269	13.2	16	1.9	314.3	2268	14.7	28	3.7	321.5	2285	775	
800	15.1	41	5.5	324.1	2000	14.5	52	6.7	327.0	2002	14.6	29	3.8	318.6	2001	15.9	31	4.4	321.9	2016	800	
825	16.8	47	6.8	327.0	1738	16.2	56	7.9	329.3	1740	15.9	42	5.8	322.9	1740	17.1	35	5.2	322.5	1754	825	
850	18.2	54	8.3	330.1	1483	18.3	53	8.2	329.9	1485	15.2	99	12.7	338.6	1487	18.2	38	5.9	323.2	1499	850	
875	18.2	68	10.3	332.9	1234	18.3	70	10.6	333.8	1236	16.0	96	12.7	336.6	1239	19.2	45	7.2	325.4	1250	875	
900	18.7	80	12.2	335.7	992	19.8	82	13.3	340.3	994	16.9	90	12.2	333.6	999	20.2	53	8.8	328.2	1007	900	
925	19.8	88	14.0	339.4	756	22.4	88	16.4	349.3	756	18.8	92	13.7	337.4	764	21.1	61	10.4	331.0	770	925	
950	21.2	93	15.7	342.9	524	24.6	92	19.3	357.5	521	20.5	95	15.4	341.4	533	21.9	68	12.0	333.9	539	950	
975	23.3	88	16.5	345.1	298	25.0	87	18.0	351.6	292	23.0	91	16.7	345.2	307	23.6	67	12.7	335.3	312	975	
1000	25.3	84	17.2	347.2	75	25.3	82	16.8	346.0	69	25.7	83	17.5	348.3	84	27.3	69	15.9	346.3	89	1000	
SFC.	26.0	82	17.5	347.8	0	25.4	80	16.4	344.3	0	26.7	80	17.8	349.4	0	30.8	74	20.9	363.7	0	SFC.	
				SURFACE PRESSURE	1008.5				SURFACE PRESSURE	1007.8				SURFACE PRESSURE	1009.5				SURFACE PRESSURE	1010.0		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/ 1 2348 GMT					4/ 2 3 0 GMT					4/ 2 550 GMT					4/ 2 850 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-66.3	0	0.0	462.4	19575	0.0	0	0.0	0.0	0	-68.2	0	0.0	458.3	19439	0.0	0	0.0	0.0	0	60
70	-65.1	20	.0	445.2	18640	0.0	0	0.0	0.0	0	-68.8	0	0.0	437.2	18515	-70.1	21	.0	434.5	18551	70
80	-71.7	20	.0	414.8	17834	-70.5	27	.0	417.4	17759	-72.3	20	.0	413.7	17719	-72.6	21	.0	413.1	17761	80
90	-76.8	20	.0	391.0	17148	-79.1	28	.0	386.4	17072	-79.5	20	.0	385.5	17039	-77.8	21	.0	389.0	17074	90
100	-81.3	20	.0	370.7	16549	-81.2	28	.0	370.9	16478	-83.2	20	.0	367.0	16450	-80.8	21	.0	371.6	16475	100
110	-80.1	20	.0	362.9	16014	-79.5	27	.0	364.2	15940	-80.6	20	.0	362.0	15917	-80.8	21	.0	361.6	15938	110
120	-76.4	20	.0	360.8	15517	-76.9	27	.0	360.0	15443	-78.2	20	.0	357.5	15423	-77.8	21	.0	358.3	15444	120
130	-73.0	20	.0	358.8	15052	-73.9	28	.0	357.2	14980	-76.0	20	.0	353.4	14963	-74.6	21	.0	355.8	14982	130
140	-69.9	20	.0	356.8	14614	-71.1	28	.0	354.6	14544	-72.5	20	.0	352.1	14532	-71.6	21	.0	353.6	14548	140
150	-67.0	20	.0	354.8	14200	-68.0	28	.0	353.0	14133	-69.1	19	.0	351.1	14123	-68.6	21	.0	352.0	14138	150
160	-64.2	20	.0	352.9	13808	-65.0	27	.0	351.7	13743	-65.9	19	.0	350.1	13734	-65.7	20	.0	350.4	13749	160
170	-61.7	20	.0	351.1	13435	-62.1	27	.0	350.5	13370	-62.9	18	.0	349.1	13364	-62.9	20	.0	348.8	13378	170
180	-59.0	19	.0	349.9	13079	-59.3	26	.0	349.3	13015	-60.0	18	.0	348.1	13009	-60.3	20	.0	347.6	13024	180
190	-56.2	19	.0	349.0	12737	-56.6	26	.0	348.4	12674	-57.3	17	.0	347.1	12670	-57.5	19	.0	346.9	12685	190
200	-53.2	19	.0	348.6	12409	-53.8	25	.0	347.7	12347	-54.8	17	.0	346.1	12343	-54.8	19	.0	346.1	12359	200
225	-46.5	18	.0	347.5	11639	-47.6	23	.1	345.9	11579	-47.9	16	.0	345.2	11579	-48.6	18	.0	344.1	11595	225
250	-40.4	17	.1	346.3	10930	-42.3	22	.1	343.6	10875	-42.4	15	.1	343.2	10875	-43.1	17	.1	342.2	10894	250
275	-36.6	17	.1	342.6	10277	-38.2	24	.1	340.5	10226	-38.0	16	.1	340.5	10225	-38.0	16	.1	340.5	10245	275
300	-31.0	17	.2	342.4	9667	-32.6	28	.2	340.4	9620	-33.1	15	.1	339.3	9619	-32.7	17	.1	339.9	9639	300
325	-26.5	17	.2	341.1	9094	-27.5	29	.4	340.1	9050	-28.3	15	.2	338.4	9051	-27.8	18	.2	339.3	9069	325
350	-22.3	17	.3	339.9	8554	-23.3	22	.4	338.7	8512	-23.9	14	.2	337.5	8515	-24.1	19	.3	337.5	8532	350
375	-19.0	18	.4	338.0	8043	-19.9	19	.4	336.8	8003	-19.8	13	.3	336.6	8007	-20.1	17	.4	336.3	8025	375
400	-16.0	17	.5	336.0	7561	-17.6	24	.6	334.3	7522	-17.4	14	.3	333.7	7524	-16.2	15	.4	335.5	7543	400
425	-12.5	17	.6	335.1	7101	-14.2	22	.7	333.2	7066	-14.0	14	.4	332.7	7067	-13.8	18	.5	333.3	7085	425
450	-9.2	16	.7	334.2	6662	-11.1	21	.8	332.1	6629	-10.8	15	.6	331.8	6631	-10.6	17	.6	332.3	6648	450
475	-7.3	23	1.1	332.8	6242	-8.4	24	1.0	331.2	6212	-9.1	20	.8	329.7	6213	-10.8	44	1.5	330.0	6232	475
500	-5.9	30	1.5	331.1	5841	-6.5	33	1.6	330.5	5812	-7.9	32	1.4	328.2	5816	-7.7	42	1.8	329.8	5836	500
525	-3.7	38	2.1	331.2	5458	-4.3	38	2.0	330.1	5429	-5.8	48	2.3	329.1	5435	-5.4	55	2.7	331.0	5454	525
550	-1.2	29	1.8	329.0	5088	-2.1	45	2.7	330.5	5061	-3.7	47	2.5	327.9	5069	-3.2	62	3.4	331.5	5087	550
575	1.2	16	1.2	325.4	4733	.3	34	2.3	328.0	4706	-1.4	28	1.6	323.9	4716	-.5	20	1.3	323.9	4733	575
600	3.2	17	1.4	324.6	4389	2.5	24	1.8	325.2	4364	.9	21	1.4	322.0	4376	1.6	21	1.5	323.1	4392	600
625	5.2	18	1.6	323.8	4057	4.5	28	2.3	325.4	4033	3.4	26	2.0	323.2	4046	3.5	22	1.7	322.3	4062	625
650	7.2	18	1.8	323.2	3736	6.5	31	2.9	325.7	3712	5.8	32	2.8	324.7	3726	5.5	25	2.1	322.2	3743	650
675	9.0	23	2.4	323.8	3425	8.3	34	3.5	326.3	3401	8.1	37	3.7	326.5	3416	7.8	33	3.2	324.7	3433	675
700	11.1	29	3.4	325.6	3123	10.2	38	4.2	327.0	3100	10.3	42	4.7	328.7	3115	10.0	40	4.4	327.6	3132	700
725	13.4	18	2.4	322.0	2829	12.3	30	3.7	324.7	2807	12.2	24	2.9	322.2	2822	12.5	23	2.8	322.5	2839	725
750	14.5	30	4.2	325.5	2543	13.8	28	3.7	323.3	2522	13.6	26	3.4	322.2	2537	14.1	22	2.9	321.3	2554	750
775	15.7	19	2.8	319.7	2266	14.6	26	3.5	320.5	2245	15.4	18	2.5	318.5	2260	15.6	21	2.9	320.1	2277	775
800	16.7	28	4.2	322.0	1996	16.2	26	3.8	320.3	1977	16.8	20	3.0	318.5	1991	17.0	20	3.0	318.9	2007	800
825	17.7	36	5.5	324.2	1734	17.7	29	4.4	321.0	1714	18.1	22	3.4	318.7	1729	18.4	19	3.0	317.7	1745	825
850	19.7	30	5.1	322.6	1478	19.2	31	5.1	321.9	1459	19.5	24	3.9	318.9	1473	19.8	25	4.3	320.4	1489	850
875	20.4	41	7.0	326.1	1228	20.7	33	5.8	323.0	1209	20.7	25	4.5	319.2	1223	19.3	56	9.0	330.4	1239	875
900	20.5	58	9.8	331.4	985	20.1	58	9.5	330.2	966	21.2	41	7.2	325.0	980	18.6	78	11.8	334.6	996	900
925	21.2	68	11.7	334.7	747	20.1	76	12.3	335.1	729	21.3	62	10.8	332.4	742	19.6	93	14.6	340.7	760	925
950	22.0	75	13.2	337.3	515	21.6	80	13.8	338.3	498	21.9	84	14.8	341.4	510	21.3	96	16.2	344.5	529	950
975	23.8	68	13.0	336.4	288	23.9	81	15.8	344.0	271	23.7	84	16.2	345.0	283	23.2	91	17.0	346.4	302	975
1000	26.5	63	13.8	339.4	66	27.1	80	18.5	352.9	47	25.5	85	17.7	348.8	60	25.0	87	17.8	348.2	79	1000
SFC.	30.1	70	19.0	357.7	0	27.8	80	19.1	354.9	0	26.0	85	18.2	349.9	0	25.7	86	18.0	348.8	0	SFC.
				SURFACE PRESSURE	1007.4				SURFACE PRESSURE	1005.3				SURFACE PRESSURE	1006.8				SURFACE PRESSURE	1009.0	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/ 2 12 6 GMT					4/ 2 1846 GMT					4/ 2 2346 GMT					4/ 3 6 5 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-66.8	0	0.0	461.4	19464	-62.8	0	0.0	470.3	19506	-60.3	0	0.0	475.9	19652	-65.5	27	.0	464.5	19528	60	
70	-69.3	25	.0	436.2	18538	-69.8	19	.0	435.1	18569	-65.1	17	.0	445.2	18698	-68.5	27	.0	437.9	18596	70	
80	-71.6	25	.0	415.0	17745	-72.8	20	.0	412.5	17780	-71.9	17	.0	414.6	17897	-70.9	27	.0	416.6	17797	80	
90	-74.6	25	.0	395.4	17054	-75.7	20	.0	393.2	17094	-74.5	17	.0	395.6	17209	-77.1	28	.0	390.4	17110	90	
100	-80.6	25	.0	372.0	16450	-78.3	20	.0	376.5	16489	-76.0	18	.0	380.9	16598	-75.7	28	.0	381.5	16503	100	
110	-80.0	25	.0	363.1	15914	-78.8	20	.0	365.5	15945	-77.0	18	.0	368.8	16053	-79.1	28	.0	364.8	15957	110	
120	-77.7	25	.0	358.4	15419	-76.8	20	.0	360.1	15448	-75.2	17	.0	363.0	15550	-77.5	28	.0	358.8	15462	120	
130	-75.6	25	.0	354.1	14958	-74.7	20	.0	355.7	14985	-73.5	17	.0	357.8	15085	-74.1	27	.0	356.8	15000	130	
140	-72.2	25	.0	352.7	14526	-71.5	20	.0	353.9	14551	-70.6	17	.0	355.5	14649	-70.9	27	.0	354.9	14564	140	
150	-69.0	25	.0	351.2	14116	-68.4	20	.0	352.3	14140	-67.0	17	.0	354.8	14236	-68.0	27	.0	353.0	14153	150	
160	-66.1	24	.0	349.8	13728	-65.3	20	.0	351.2	13751	-63.6	17	.0	354.0	13843	-65.2	26	.0	351.3	13762	160	
170	-63.3	24	.0	348.4	13358	-62.2	20	.0	350.2	13379	-60.4	17	.0	353.3	13468	-62.2	26	.0	350.2	13391	170	
180	-60.7	24	.0	347.1	13004	-59.3	20	.0	349.3	13023	-57.4	17	.0	352.5	13109	-59.0	26	.0	349.8	13035	180	
190	-57.9	24	.0	346.3	12666	-56.6	20	.0	348.4	12682	-54.5	17	.0	351.7	12765	-55.9	26	.0	349.4	12693	190	
200	-54.9	24	.0	346.0	12340	-54.0	20	.0	347.5	12355	-51.7	17	.0	351.0	12435	-53.0	25	.0	348.9	12365	200	
225	-48.1	24	.1	345.0	11576	-48.0	20	.0	345.2	11589	-45.3	16	.0	349.4	11660	-46.4	25	.1	347.7	11594	225	
250	-43.4	24	.1	341.9	10874	-42.7	20	.1	343.0	10886	-39.8	16	.1	347.3	10948	-42.7	30	.1	343.0	10889	250	
275	-37.8	22	.1	340.9	10225	-37.6	20	.1	341.1	10236	-35.8	17	.1	343.8	10291	-37.4	31	.2	341.8	10238	275	
300	-32.7	20	.2	339.9	9619	-32.8	19	.2	339.7	9629	-31.4	17	.2	341.8	9681	-33.2	37	.3	339.7	9632	300	
325	-28.0	17	.2	338.9	9050	-28.4	18	.2	338.4	9061	-26.0	15	.2	341.8	9108	-28.8	28	.3	338.2	9065	325	
350	-24.1	17	.3	337.4	8513	-24.3	17	.3	337.0	8525	-22.1	15	.3	340.0	8567	-24.4	24	.4	337.3	8529	350	
375	-20.5	18	.4	335.9	8006	-20.6	17	.3	335.7	8019	-19.1	15	.3	337.7	8057	-20.7	28	.6	336.3	8023	375	
400	-16.4	16	.4	335.3	7525	-17.1	15	.4	334.2	7539	-16.2	15	.4	335.5	7574	-17.2	32	.8	335.6	7542	400	
425	-14.3	18	.5	332.6	7068	-13.8	15	.5	333.0	7082	-12.7	15	.5	334.6	7114	-13.1	19	.6	334.5	7084	425	
450	-11.5	17	.6	331.0	6632	-10.7	15	.6	331.9	6645	-9.4	14	.6	333.7	6676	-10.3	18	.7	332.9	6646	450	
475	-10.0	30	1.1	329.5	6216	-9.3	17	.7	328.9	6228	-6.3	14	.7	332.8	6255	-7.7	18	.8	331.4	6228	475	
500	-8.2	40	1.6	328.7	5820	-8.2	28	1.2	327.2	5831	-4.1	14	.8	331.1	5853	-5.5	25	1.3	330.9	5827	500	
525	-4.9	38	1.9	329.1	5438	-5.1	29	1.4	327.2	5450	-1.9	15	.9	329.5	5466	-3.6	26	1.4	329.2	5443	525	
550	-3.1	42	2.3	328.2	5071	-2.9	33	1.9	327.0	5083	.0	17	1.2	328.3	5095	-1.9	25	1.5	327.1	5074	550	
575	-1.2	42	2.6	327.1	4718	-1.1	40	2.4	326.8	4729	1.6	28	2.0	328.8	4738	-.6	51	3.2	329.9	4720	575	
600	1.8	26	1.9	324.5	4377	1.2	44	3.0	327.4	4388	3.0	38	3.0	329.5	4394	.9	68	4.6	331.9	4379	600	
625	4.4	25	2.1	324.4	4046	3.7	46	3.7	328.6	4058	5.5	23	2.1	325.9	4062	3.0	64	4.8	331.2	4049	625	
650	6.5	24	2.3	323.8	3726	6.7	27	2.5	324.8	3738	7.7	32	3.2	328.2	3740	5.4	38	3.3	325.7	3729	650	
675	8.5	24	2.5	323.3	3415	8.7	25	2.6	324.0	3427	9.6	24	2.6	325.2	3428	7.4	39	3.7	325.9	3420	675	
700	10.4	34	3.8	326.1	3113	10.7	23	2.7	323.1	3125	11.5	22	2.7	324.1	3126	9.4	41	4.3	326.6	3119	700	
725	12.1	29	3.6	324.2	2821	12.5	22	2.7	322.2	2832	13.3	21	2.7	323.1	2832	11.6	28	3.3	322.8	2827	725	
750	13.7	23	3.1	321.4	2536	13.6	21	2.7	320.2	2548	15.1	19	2.8	322.0	2546	13.4	30	3.8	323.2	2543	750	
775	15.0	30	4.2	323.1	2259	14.6	20	2.7	318.2	2271	16.7	18	2.8	320.9	2268	15.1	31	4.3	323.7	2266	775	
800	16.3	21	3.1	318.5	1990	15.2	27	3.7	319.0	2003	17.0	28	4.3	322.9	1998	16.4	34	4.9	323.9	1997	800	
825	17.5	37	5.5	324.1	1728	15.8	44	6.0	323.4	1742	17.3	39	5.8	324.7	1735	16.1	44	6.2	324.4	1735	825	
850	18.6	42	6.6	325.6	1472	15.8	61	8.1	326.5	1489	18.1	48	7.4	327.4	1480	16.1	71	9.7	331.4	1481	850	
875	15.7	95	12.2	334.8	1225	16.9	72	10.1	330.6	1242	18.9	58	9.1	330.3	1231	16.8	86	11.9	335.6	1233	875	
900	17.8	92	13.3	337.7	983	18.4	77	11.5	333.5	1000	19.9	66	10.7	333.2	988	18.5	85	12.8	337.3	992	900	
925	20.0	90	14.4	340.6	747	19.9	81	12.9	336.6	764	21.8	65	11.6	335.1	751	20.1	85	13.8	339.1	755	925	
950	21.1	87	14.6	339.8	516	21.4	85	14.5	340.0	532	23.6	64	12.4	337.0	518	21.7	85	14.7	340.9	524	950	
975	23.3	87	16.3	344.7	289	22.9	85	15.5	342.1	306	25.4	63	13.3	339.0	290	23.2	84	15.7	342.9	297	975	
1000	25.4	88	18.2	349.9	66	26.1	81	17.4	348.6	83	28.4	69	17.1	350.8	66	25.3	85	17.6	348.0	74	1000	
SFC.	26.0	88	18.8	351.6	0	28.0	82	19.7	356.5	0	30.0	76	20.6	361.9	0	26.2	86	18.6	351.1	0	SFC.	
				SURFACE PRESSURE	1007.5				SURFACE PRESSURE	1009.4				SURFACE PRESSURE	1007.4				SURFACE PRESSURE	1008.4		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/ 3 1229 GMT					4/ 3 1455 GMT					4/ 3 1744 GMT					4/ 3 2034 GMT				
P	T	RH	W	EPT H	T	RH	W	EPT H	T	RH	W	EPT H	T	RH	W	EPT H	P		
60	-67.6	0	0.0	459.6 19438	-65.6	0	0.0	464.1 19478	-67.5	0	0.0	459.8 19453	0.0	0	0.0	0.0	0	60	
70	-68.8	0	0.0	437.2 18506	-67.3	0	0.0	440.4 18541	-67.9	17	.0	439.2 18522	0.0	0	0.0	0.0	0	70	
80	-74.3	0	0.0	409.6 17714	-73.0	0	0.0	412.1 17747	-72.7	19	.0	412.7 17729	-72.3	19	.0	413.7 17878	80		
90	-78.7	0	0.0	387.2 17036	-78.0	20	.0	388.6 17065	-77.0	20	.0	390.5 17045	-74.3	19	.0	396.0 17193	90		
100	-78.8	17	.0	375.5 16436	-77.3	20	.0	378.3 16465	-77.8	18	.0	377.4 16443	-76.3	19	.0	380.4 16587	100		
110	-79.6	17	.0	363.8 15895	-79.4	19	.0	364.3 15919	-75.9	18	.0	370.9 15895	-74.5	19	.0	373.6 16033	110		
120	-78.4	17	.0	357.2 15401	-77.3	19	.0	359.2 15423	-76.3	18	.0	361.0 15396	-74.9	19	.0	363.7 15530	120		
130	-75.0	16	.0	355.1 14941	-74.3	19	.0	356.4 14960	-73.1	18	.0	358.6 14931	-72.6	18	.0	359.5 15062	130		
140	-71.9	16	.0	353.2 14507	-71.1	19	.0	354.5 14525	-70.2	18	.0	356.2 14493	-69.6	18	.0	357.1 14624	140		
150	-69.0	16	.0	351.3 14098	-68.2	18	.0	352.7 14114	-67.4	18	.0	354.0 14080	-66.9	18	.0	354.9 14210	150		
160	-66.3	15	.0	349.4 13709	-65.4	18	.0	350.9 13724	-64.8	18	.0	351.9 13689	-64.3	18	.0	352.8 13818	160		
170	-63.1	15	.0	348.7 13339	-62.8	18	.0	349.2 13353	-62.4	18	.0	349.9 13317	-61.5	18	.0	351.4 13444	170		
180	-59.9	15	.0	348.3 12985	-59.7	18	.0	348.7 12998	-59.9	18	.0	348.3 12962	-58.8	18	.0	350.1 13088	180		
190	-56.9	14	.0	347.8 12645	-56.7	18	.0	348.1 12658	-57.0	18	.0	347.6 12622	-55.9	18	.0	349.4 12746	190		
200	-54.0	14	.0	347.4 12318	-53.9	18	.0	347.5 12331	-54.3	17	.0	346.9 12296	-53.0	17	.0	348.9 12418	200		
225	-47.8	14	.0	345.4 11551	-47.4	18	.0	346.0 11563	-48.6	17	.0	344.2 11531	-46.5	16	.0	347.5 11647	225		
250	-43.6	15	.0	341.5 10849	-43.1	19	.1	342.4 10861	-43.5	17	.1	341.6 10830	-41.6	16	.1	344.5 10940	250		
275	-38.6	17	.1	339.7 10201	-38.3	23	.1	340.3 10212	-38.6	17	.1	339.7 10182	-37.2	16	.1	341.7 10288	275		
300	-34.1	22	.2	338.0 9598	-34.0	30	.2	338.3 9607	-34.1	17	.1	337.9 9579	-32.4	16	.1	340.3 9680	300		
325	-30.1	33	.3	336.4 9033	-30.2	42	.4	336.6 9043	-29.9	18	.2	336.1 9014	-28.0	16	.2	338.9 9111	325		
350	-25.6	17	.2	335.1 8500	-25.5	18	.2	335.4 8511	-26.1	18	.2	334.5 8482	-23.9	16	.3	337.6 8574	350		
375	-21.9	18	.3	333.8 7996	-21.8	19	.3	334.0 8006	-22.5	18	.3	332.9 7979	-20.1	16	.3	336.3 8067	375		
400	-18.4	18	.4	332.6 7518	-18.3	21	.5	333.1 7528	-19.2	18	.4	331.5 7502	-16.5	16	.4	335.2 7585	400		
425	-14.2	12	.4	332.1 7062	-14.2	13	.4	332.3 7072	-15.6	17	.4	330.6 7048	-13.0	15	.5	334.2 7126	425		
450	-11.2	11	.4	330.6 6626	-11.0	12	.4	331.1 6635	-12.3	15	.5	329.7 6614	-9.7	14	.6	333.3 6688	450		
475	-8.6	11	.5	329.1 6209	-8.1	12	.5	330.0 6218	-9.2	14	.6	328.7 6198	-7.4	15	.7	331.3 6268	475		
500	-6.1	11	.5	327.6 5809	-5.4	13	.6	328.9 5818	-6.7	14	.6	327.2 5800	-5.7	16	.8	328.9 5868	500		
525	-4.1	13	.7	325.9 5426	-2.8	13	.8	327.8 5433	-4.4	14	.7	325.8 5417	-2.7	16	.9	328.6 5483	525		
550	-3.7	31	1.6	325.3 5059	-1.9	24	1.5	326.9 5063	-2.6	17	.9	324.4 5049	-.1	18	1.2	328.2 5113	550		
575	-1.9	47	2.7	326.7 4707	-.6	36	2.3	326.8 4709	-2.1	44	2.5	325.8 4697	1.7	21	1.6	327.5 4756	575		
600	0.0	69	4.4	330.1 4367	1.5	42	3.0	327.6 4368	-.1	57	3.6	327.6 4357	3.5	25	2.0	327.0 4412	600		
625	2.5	63	4.6	329.8 4038	3.6	48	3.8	328.8 4038	1.9	42	2.9	324.1 4029	4.9	44	3.8	330.4 4080	625		
650	4.5	28	2.2	321.5 3719	5.6	37	3.3	326.0 3718	4.0	51	4.0	326.1 3711	6.6	46	4.3	330.3 3758	650		
675	7.2	32	3.0	323.5 3410	7.5	23	2.2	321.3 3408	5.6	30	2.5	320.1 3403	8.8	21	2.2	322.8 3447	675		
700	9.2	16	1.6	318.2 3110	9.8	16	1.7	319.0 3108	8.0	29	2.8	320.3 3105	11.0	19	2.3	322.1 3146	700		
725	11.4	13	1.5	317.1 2819	12.1	14	1.6	318.3 2816	10.0	21	2.2	317.7 2814	13.0	18	2.3	321.5 2852	725		
750	11.6	47	5.3	325.7 2535	10.2	12	1.2	311.7 2531	11.2	27	3.0	318.3 2532	14.7	18	2.5	320.8 2567	750		
775	13.5	44	5.5	325.2 2260	8.8	55	5.1	318.6 2261	12.5	37	4.3	320.5 2258	15.5	21	3.0	320.1 2289	775		
800	14.5	55	7.2	328.3 1992	13.4	99	12.1	340.6 1994	13.6	59	7.3	327.4 1991	15.8	43	6.1	326.8 2020	800		
825	15.9	96	11.7	337.3 1732	15.1	98	13.0	342.2 1733	13.0	89	10.3	332.1 1731	17.3	46	6.9	327.7 1758	825		
850	15.4	98	12.8	339.2 1478	16.6	97	13.7	343.2 1479	14.2	91	11.0	332.7 1479	19.4	46	7.7	329.6 1502	850		
875	17.0	97	13.7	340.6 1231	18.1	96	14.5	344.3 1230	15.4	93	11.8	333.4 1233	20.5	59	10.2	335.3 1252	875		
900	18.6	96	14.6	342.1 988	19.5	95	15.3	345.4 987	16.5	95	12.6	334.1 992	20.0	65	10.6	333.1 1008	900		
925	20.1	95	15.4	343.6 752	20.9	94	16.1	346.5 749	17.8	94	13.2	334.8 758	21.6	63	11.1	333.6 771	925		
950	21.5	95	16.3	345.2 520	22.3	93	16.9	347.6 517	19.3	92	13.8	335.4 528	21.8	62	10.8	330.3 539	950		
975	23.0	94	17.2	346.8 293	23.6	92	17.6	348.7 289	20.7	90	14.3	336.1 303	24.0	61	11.8	333.2 312	975		
1000	24.6	92	18.3	349.2 70	24.9	91	18.4	349.9 66	23.8	90	17.0	344.6 83	26.6	61	13.6	339.1 90	1000		
SFC.	25.5	91	18.9	351.0 0	25.3	91	18.7	350.2 0	26.0	91	19.4	353.1 0	30.4	69	19.0	357.8 0	SFC.		
				SURFACE PRESSURE 1008.0				SURFACE PRESSURE 1007.5									SURFACE PRESSURE 1010.1		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/ 4 015 GMT					4/ 4 310 GMT					4/ 4 730 GMT					4/ 4 1146 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-66.7	0	0.0	461.7	19448	0.0	0	0.0	0.0	0	-64.5	0	0.0	466.5	19503	-64.2	0	0.0	467.1	19468	60
70	-71.3	0	0.0	431.8	18525	0.0	0	0.0	0.0	0	-68.2	0	0.0	438.5	18565	-67.6	0	0.0	439.8	18531	70
80	-73.0	0	0.0	412.3	17739	-72.8	28	.0	412.6	17801	-73.7	15	.0	410.8	17773	-72.4	20	.0	413.5	17735	80
90	-75.5	18	.0	393.5	17053	-76.5	26	.0	391.6	17117	-79.6	15	.0	385.4	17097	-78.7	22	.0	387.2	17054	90
100	-78.0	19	.0	377.1	16447	-77.7	26	.0	377.6	16514	-78.6	15	.0	375.9	16499	-78.5	24	.0	376.1	16458	100
110	-75.7	19	.0	371.1	15899	-74.9	30	.0	372.7	15964	-77.6	15	.0	367.6	15954	-78.4	22	.0	366.2	15915	110
120	-75.0	19	.0	363.5	15394	-74.9	29	.0	363.6	15460	-76.2	15	.0	361.1	15455	-78.3	19	.0	357.3	15418	120
130	-73.3	19	.0	358.2	14928	-72.0	27	.0	360.6	14992	-73.1	15	.0	358.6	14989	-75.4	19	.0	354.4	14959	130
140	-71.8	19	.0	353.3	14492	-69.3	25	.0	357.7	14553	-70.2	15	.0	356.1	14552	-72.1	18	.0	352.9	14526	140
150	-70.4	19	.0	348.9	14084	-66.8	23	.0	355.0	14138	-67.5	14	.0	353.8	14139	-68.9	18	.0	351.4	14117	150
160	-67.1	18	.0	348.1	13698	-64.5	21	.0	352.5	13746	-65.0	14	.0	351.6	13748	-66.0	18	.0	349.9	13728	160
170	-64.0	17	.0	347.2	13329	-62.0	23	.0	350.6	13373	-62.6	14	.0	349.5	13377	-62.7	17	.0	349.4	13357	170
180	-60.7	17	.0	347.0	12976	-59.5	27	.0	349.1	13018	-60.4	14	.0	347.5	13022	-59.5	17	.0	348.9	13002	180
190	-57.5	17	.0	346.9	12637	-57.0	31	.0	347.7	12678	-57.1	13	.0	347.4	12683	-56.6	16	.0	348.4	12661	190
200	-54.5	17	.0	346.6	12311	-53.9	29	.0	347.6	12351	-54.0	13	.0	347.3	12356	-53.7	16	.0	347.8	12334	200
225	-47.8	17	.0	345.5	11545	-46.9	25	.1	346.9	11582	-46.9	11	.0	346.8	11588	-47.5	15	.0	345.8	11566	225
250	-43.6	18	.1	341.5	10843	-41.6	21	.1	344.6	10875	-41.6	11	.0	344.4	10882	-42.5	16	.1	343.2	10862	250
275	-39.5	18	.1	338.4	10197	-37.6	25	.1	341.4	10223	-36.8	11	.1	342.1	10229	-37.9	17	.1	340.7	10212	275
300	-34.4	17	.1	337.4	9595	-33.8	29	.2	338.7	9618	-32.9	15	.1	339.6	9621	-33.7	18	.1	338.4	9607	300
325	-29.8	17	.2	336.3	9030	-29.1	32	.3	338.0	9052	-30.0	28	.3	336.4	9055	-30.2	26	.2	336.1	9041	325
350	-25.6	17	.2	335.2	8497	-24.5	35	.5	337.8	8517	-26.0	35	.5	335.4	8523	-26.1	35	.5	335.3	8510	350
375	-21.7	17	.3	334.1	7993	-21.3	37	.7	336.0	8011	-21.0	16	.3	335.0	8018	-21.6	27	.5	334.9	8006	375
400	-18.5	16	.4	332.3	7514	-18.4	34	.8	333.9	7532	-17.4	16	.4	333.9	7538	-18.4	25	.6	333.2	7528	400
425	-14.7	15	.4	331.8	7059	-14.1	33	1.0	334.6	7076	-14.2	17	.5	332.6	7081	-15.7	36	.9	332.2	7072	425
450	-11.2	15	.5	331.2	6623	-11.0	35	1.3	334.0	6639	-11.7	21	.7	331.2	6645	-12.4	37	1.2	332.0	6639	450
475	-8.0	13	.6	330.2	6206	-8.0	28	1.2	332.5	6221	-10.1	27	1.0	329.1	6230	-10.1	37	1.4	330.3	6223	475
500	-6.4	18	.9	328.4	5806	-5.6	30	1.5	331.5	5821	-6.6	14	.7	327.4	5832	-6.7	21	1.0	328.3	5825	500
525	-4.4	21	1.1	327.0	5423	-3.3	32	1.8	330.7	5436	-4.3	31	1.6	328.8	5450	-4.5	37	1.9	329.6	5442	525
550	-1.8	18	1.1	325.7	5055	-1.1	33	2.1	330.0	5067	-2.0	27	1.6	327.3	5082	-2.3	36	2.1	328.5	5074	550
575	-.9	36	2.2	326.4	4701	1.0	35	2.5	329.4	4711	.2	45	3.0	330.1	4727	-.2	41	2.7	328.7	4720	575
600	1.8	19	1.4	322.9	4360	2.9	36	2.9	329.0	4367	1.7	36	2.6	326.7	4384	1.8	42	3.0	328.1	4378	600
625	3.7	34	2.7	325.6	4029	4.3	57	4.8	332.7	4036	3.0	85	6.5	336.2	4054	3.7	49	3.9	329.4	4047	625
650	5.2	47	4.0	327.6	3710	6.4	56	5.2	332.8	3715	5.7	57	5.0	331.3	3735	5.7	64	5.6	333.1	3727	650
675	7.6	24	2.3	321.8	3400	8.4	43	4.5	329.3	3444	7.9	28	2.7	323.5	3424	7.6	43	4.1	327.4	3417	675
700	9.7	19	2.0	320.0	3100	10.3	39	4.3	327.7	3102	9.6	23	2.5	321.2	3124	9.5	32	3.4	324.0	3116	700
725	11.3	19	2.2	319.1	2808	12.0	39	4.8	327.8	2809	11.2	25	2.8	320.9	2832	11.3	33	3.8	324.1	2824	725
750	12.9	19	2.4	318.3	2524	13.6	43	5.6	328.7	2524	12.7	26	3.2	320.6	2548	13.1	34	4.2	324.2	2540	750
775	14.4	22	2.9	318.8	2248	14.9	51	7.0	331.2	2247	14.2	27	3.6	320.4	2272	14.4	45	6.0	327.7	2264	775
800	15.8	29	4.1	320.9	1980	15.8	54	7.6	331.1	1978	15.6	29	4.0	320.3	2004	15.5	50	6.8	328.5	1995	800
825	16.6	36	5.2	322.0	1718	16.3	51	7.3	327.7	1716	17.0	30	4.4	320.3	1742	16.3	54	7.6	328.7	1733	825
850	17.0	46	6.6	323.8	1464	18.1	47	7.3	327.0	1461	17.9	40	6.0	323.2	1487	17.9	40	6.1	323.3	1479	850
875	17.5	61	8.7	327.6	1216	19.1	53	8.4	328.5	1212	18.9	37	5.9	321.1	1239	18.2	54	8.1	326.6	1230	875
900	18.7	58	8.7	326.3	975	20.1	58	9.5	330.2	969	19.8	51	8.2	326.1	997	17.7	83	11.8	333.4	989	900
925	20.9	33	5.5	317.2	738	19.2	88	13.4	337.1	733	20.0	85	13.6	338.6	760	19.2	89	13.6	337.4	753	925
950	20.9	64	10.4	328.4	508	21.1	86	14.5	339.7	502	21.7	84	14.6	340.7	529	21.1	86	14.4	339.5	522	950
975	22.8	62	11.2	330.2	282	23.8	74	14.2	339.5	275	23.3	83	15.6	342.7	302	23.0	83	15.2	341.5	295	975
1000	25.8	62	13.0	336.3	60	26.1	71	15.3	342.9	52	24.9	82	16.6	344.9	79	24.9	80	16.1	343.4	73	1000
SFC.	30.2	64	17.4	353.5	0	26.6	74	16.4	345.8	0	25.5	82	16.9	345.7	0	25.5	79	16.3	344.0	0	SFC.
				SURFACE PRESSURE	1006.8				SURFACE PRESSURE	1005.9				SURFACE PRESSURE	1009.0				SURFACE PRESSURE	1008.3	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/ 4 1439 GMT				4/ 4 1743 GMT				4/ 4 2355 GMT				4/ 5 650 GMT			
P	T	RH	H	T	RH	H	H	T	RH	H	H	T	RH	H	P
60	-65.7	0	0.0 463.9 19444	-65.2	0	0.0 465.0 19583		-63.1	0	0.0 469.7 19518		-63.8	15	.0 468.2 19579	60
70	-67.3	0	0.0 440.5 18511	-65.5	0	0.0 444.3 18645		-68.6	0	0.0 437.6 18591		-70.4	16	.0 433.8 18646	70
80	-72.7	18	.0 412.9 17714	-67.7	0	0.0 423.2 17838		-69.9	20	.0 418.6 17798		-71.4	16	.0 415.5 17857	80
90	-79.1	19	.0 386.4 17034	-75.6	19	.0 393.4 17142		-77.0	20	.0 390.6 17109		-76.1	16	.0 392.4 17163	90
100	-78.1	19	.0 376.9 16433	-76.9	19	.0 379.2 16538		-77.6	20	.0 377.8 16506		-78.5	16	.0 376.1 16561	100
110	-77.9	19	.0 367.0 15889	-75.8	20	.0 371.0 15989		-74.9	20	.0 372.7 15957		-74.6	16	.0 373.4 16012	110
120	-77.8	19	.0 358.3 15391	-75.4	20	.0 362.7 15484		-76.2	20	.0 361.2 15452		-77.2	16	.0 359.3 15506	120
130	-74.5	19	.0 356.0 14929	-74.2	20	.0 356.6 15021		-73.4	20	.0 358.1 14987		-74.6	16	.0 355.9 15045	130
140	-71.5	19	.0 353.8 14495	-70.9	19	.0 354.9 14586		-70.8	20	.0 355.1 14550		-71.2	16	.0 354.4 14610	140
150	-68.7	18	.0 351.7 14085	-67.8	19	.0 353.3 14174		-68.3	20	.0 352.4 14139		-68.0	15	.0 353.0 14199	150
160	-66.1	18	.0 349.8 13696	-64.9	19	.0 351.8 13784		-66.0	20	.0 350.0 13750		-65.0	15	.0 351.6 13808	160
170	-63.3	18	.0 348.4 13326	-62.2	18	.0 350.2 13411		-62.8	20	.0 349.3 13379		-62.2	15	.0 350.2 13436	170
180	-60.2	18	.0 347.7 12972	-59.4	18	.0 349.2 13056		-59.7	20	.0 348.6 13024		-59.6	15	.0 348.8 13081	180
190	-57.3	17	.0 347.1 12633	-56.4	18	.0 348.6 12715		-56.9	19	.0 347.9 12684		-56.6	15	.0 348.3 12741	190
200	-54.6	17	.0 346.4 12307	-53.6	18	.0 348.0 12387		-54.2	19	.0 347.1 12357		-53.7	14	.0 347.9 12413	200
225	-48.2	17	.0 344.7 11542	-47.1	17	.0 346.5 11619		-47.8	19	.0 345.5 11591		-47.1	14	.0 346.5 11645	225
250	-42.6	16	.1 343.0 10839	-41.4	17	.1 344.9 10913		-42.0	19	.1 343.9 10887		-41.7	13	.1 344.4 10938	250
275	-37.5	16	.1 341.4 10188	-36.1	16	.1 343.3 10258		-36.8	18	.1 342.3 10234		-37.1	12	.1 341.8 10286	275
300	-33.9	18	.1 338.2 9583	-31.4	16	.1 341.8 9648		-32.1	18	.2 340.8 9626		-32.0	12	.1 340.7 9678	300
325	-30.8	25	.2 335.2 9018	-29.1	20	.2 337.5 9079		-28.9	21	.2 337.7 9057		-28.3	19	.2 338.6 9108	325
350	-27.2	40	.5 333.9 8488	-26.1	22	.3 334.7 8547		-25.5	22	.3 335.6 8523		-25.2	27	.4 336.3 8574	350
375	-23.1	34	.5 333.1 7987	-21.4	21	.4 334.7 8043		-21.9	22	.4 334.2 8019		-20.8	21	.4 335.6 8068	375
400	-19.2	29	.6 332.3 7511	-17.0	19	.5 334.7 7563		-17.5	19	.5 334.0 7540		-16.7	15	.4 334.8 7587	400
425	-15.8	32	.8 331.7 7057	-13.9	19	.6 333.4 7105		-14.3	19	.6 332.7 7083		-13.0	16	.5 334.4 7129	425
450	-12.7	35	1.1 331.3 6623	-11.0	19	.7 332.0 6668		-11.3	18	.7 331.5 6647		-9.5	18	.7 334.0 6690	450
475	-10.3	39	1.4 330.2 6208	-8.4	18	.8 330.4 6251		-8.6	18	.8 330.2 6230		-6.2	19	.9 333.8 6270	475
500	-7.8	34	1.4 328.5 5812	-6.6	30	1.4 329.9 5851		-6.2	19	.9 328.8 5831		-3.7	22	1.2 333.0 5866	500
525	-5.0	33	1.6 328.1 5430	-3.8	23	1.3 328.3 5468		-3.8	22	1.2 328.2 5447		-1.6	25	1.6 332.1 5480	525
550	-2.7	41	2.3 328.7 5063	-1.4	39	2.5 330.8 5099		-1.4	25	1.6 327.9 5079		.4	28	2.0 331.4 5108	550
575	-.7	44	2.8 328.5 4709	1.3	31	2.2 329.0 4743		.8	28	2.0 327.7 4723		2.3	31	2.4 330.9 4750	575
600	1.3	46	3.2 328.1 4367	3.0	43	3.4 330.8 4400		2.9	31	2.5 327.7 4380		4.2	37	3.2 331.5 4405	600
625	3.1	62	4.8 331.1 4038	4.9	35	3.0 328.1 4068		4.9	34	3.0 327.9 4048		6.0	49	4.6 334.3 4072	625
650	5.3	57	4.9 330.5 3718	7.4	43	4.2 330.9 3746		7.0	32	3.1 327.2 3727		7.9	40	4.1 331.1 3749	650
675	7.6	47	4.5 328.5 3408	9.3	38	4.1 329.3 3434		9.1	29	3.1 325.9 3415		9.6	31	3.4 327.7 3437	675
700	9.4	32	3.4 323.9 3107	10.9	25	2.9 324.0 3132		11.1	25	3.0 324.5 3113		11.3	22	2.7 323.9 3134	700
725	11.0	33	3.7 323.5 2815	12.7	25	3.1 323.5 2839		12.5	27	3.4 324.1 2820		13.4	24	3.2 324.5 2840	725
750	12.5	34	4.1 323.1 2532	14.4	24	3.3 322.9 2553		13.8	29	3.9 323.9 2535		15.8	36	5.4 330.9 2554	750
775	13.4	48	5.9 326.4 2256	15.7	35	5.0 326.2 2276		15.1	32	4.4 323.8 2258		17.5	39	6.3 332.3 2274	775
800	14.4	48	6.2 325.3 1988	16.5	38	5.6 325.9 2006		16.3	34	4.9 323.8 1989		18.4	29	4.9 326.2 2003	800
825	15.9	60	8.3 330.0 1728	16.8	38	5.5 323.1 1744		17.5	36	5.5 323.9 1726		19.3	20	3.5 320.0 1739	825
850	17.4	42	6.2 323.0 1473	18.0	33	5.1 320.6 1489		18.6	39	6.1 324.2 1471		19.8	35	6.0 325.3 1482	850
875	18.4	46	7.0 323.8 1225	18.0	56	8.4 327.1 1241		18.5	54	8.3 327.4 1222		20.0	60	10.1 334.5 1232	875
900	17.6	84	11.9 333.8 983	18.3	76	11.2 332.6 999		19.7	60	9.7 330.0 980		19.6	89	14.3 342.8 989	900
925	19.0	91	13.7 337.5 748	19.8	81	12.8 336.2 763		20.9	65	11.1 332.8 743		20.9	91	15.5 344.8 751	925
950	20.9	88	14.6 339.7 517	21.4	84	14.3 339.5 532		22.2	69	12.4 335.4 511		22.3	91	16.4 346.4 519	950
975	22.7	86	15.6 341.9 291	23.4	78	14.6 340.3 305		24.2	64	12.5 335.4 284		23.6	91	17.4 348.0 291	975
1000	24.5	84	16.5 344.1 68	25.4	72	14.9 340.8 83		26.5	62	13.5 338.6 61		24.9	91	18.3 349.6 69	1000
SFC.	25.1	83	16.3 344.8 0	26.0	72	15.3 341.7 0		27.7	66	15.5 344.8 0		25.3	91	18.7 350.2 0	SFC.
			SURFACE PRESSURE 1007.8			SURFACE PRESSURE 1009.4				SURFACE PRESSURE 1006.9				SURFACE PRESSURE 1007.8	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/ 5 12 0 GMT						4/ 5 1455 GMT					4/ 5 18 5 GMT					4/ 6 0 5 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-65.0	0	0.0	465.4	19517	-65.2	0	0.0	465.0	19503	-63.8	0	0.0	468.1	19557	-64.6	0	0.0	466.3	19619	60	
70	-71.6	0	0.0	431.3	18584	-69.7	0	0.0	435.2	18572	-62.8	0	0.0	450.0	18605	-65.3	0	0.0	444.6	18677	70	
80	-72.0	16	.0	414.3	17801	-71.9	12	.0	414.5	17780	-70.2	0	0.0	417.9	17797	-69.5	20	.0	419.4	17871	80	
90	-78.3	16	.0	388.0	17113	-78.3	13	.0	388.0	17097	-76.4	20	.0	391.9	17106	-74.3	20	.0	395.9	17177	90	
100	-79.3	16	.0	374.5	16516	-80.2	13	.0	372.9	16502	-80.2	20	.0	372.7	16508	-78.6	20	.0	375.9	16570	100	
110	-76.6	16	.0	369.6	15970	-77.6	13	.0	367.7	15959	-77.3	20	.0	368.2	15965	-77.6	20	.0	367.6	16024	110	
120	-77.5	16	.0	358.8	15470	-77.4	13	.0	359.0	15462	-77.3	20	.0	359.2	15466	-78.3	20	.0	357.3	15528	120	
130	-74.2	16	.0	356.6	15008	-74.9	12	.0	355.4	15000	-74.8	20	.0	355.5	15004	-74.6	20	.0	356.0	15067	130	
140	-70.7	16	.0	355.2	14572	-71.3	12	.0	354.1	14566	-72.0	20	.0	353.0	14571	-71.1	20	.0	354.6	14632	140	
150	-67.3	16	.0	354.1	14160	-67.8	11	.0	353.4	14155	-68.6	20	.0	351.9	14161	-67.9	20	.0	353.2	14221	150	
160	-64.3	16	.0	352.9	13768	-64.4	11	.0	352.6	13763	-65.5	19	.0	350.8	13771	-64.9	20	.0	351.9	13830	160	
170	-61.7	16	.0	351.1	13395	-61.4	11	.0	351.5	13390	-62.5	19	.0	349.8	13400	-62.0	20	.0	350.6	13457	170	
180	-59.2	15	.0	349.4	13039	-58.9	11	.0	349.9	13033	-59.4	19	.0	349.2	13045	-58.7	20	.0	350.4	13101	180	
190	-56.6	15	.0	348.3	12698	-56.5	11	.0	348.4	12692	-56.4	19	.0	348.6	12704	-55.5	19	.0	350.0	12759	190	
200	-53.6	15	.0	347.9	12371	-54.3	11	.0	346.9	12365	-53.7	18	.0	347.9	12376	-52.6	19	.0	349.6	12430	200	
225	-46.9	14	.0	346.9	11602	-47.6	11	.0	345.7	11599	-47.3	18	.0	346.2	11608	-45.8	18	.1	348.6	11657	225	
250	-40.8	14	.1	345.7	10894	-41.4	10	.0	344.7	10893	-41.6	18	.1	344.5	10903	-39.7	17	.1	347.4	10946	250	
275	-36.8	15	.1	342.4	10239	-36.2	10	.1	343.1	10239	-36.4	17	.1	342.9	10249	-34.4	16	.1	345.9	10287	275	
300	-32.2	14	.1	340.5	9632	-32.6	10	.1	339.7	9631	-32.0	17	.2	340.9	9640	-29.5	16	.2	344.5	9673	300	
325	-27.6	13	.2	339.3	9061	-27.7	10	.1	339.0	9061	-27.8	17	.2	339.2	9070	-25.1	15	.2	343.1	9096	325	
350	-25.7	18	.2	335.1	8526	-24.5	11	.2	336.4	8524	-23.2	16	.3	338.6	8533	-22.0	16	.3	340.3	8555	350	
375	-21.5	17	.3	334.4	8021	-21.6	14	.3	334.0	8019	-22.0	19	.3	333.8	8027	-17.6	15	.4	339.9	8043	375	
400	-17.6	17	.4	333.7	7542	-17.8	13	.3	333.1	7540	-18.0	20	.5	333.3	7548	-16.9	17	.4	334.7	7557	400	
425	-13.9	17	.5	333.2	7085	-14.0	12	.4	332.5	7083	-14.3	22	.6	333.0	7092	-12.9	17	.6	334.5	7099	425	
450	-10.3	17	.7	332.7	6648	-10.3	11	.4	331.8	6646	-10.8	23	.8	332.8	6655	-9.2	17	.7	334.4	6660	450	
475	-7.8	30	1.4	333.1	6229	-7.5	17	.8	331.6	6227	-8.3	18	.8	330.5	6238	-6.1	17	.9	333.6	6239	475	
500	-5.6	42	2.1	333.5	5828	-6.0	39	1.9	332.3	5827	-6.8	42	1.9	331.3	5839	-4.3	17	.9	331.2	5836	500	
525	-4.3	39	2.0	330.2	5444	-3.8	32	1.7	329.8	5443	-4.7	35	1.8	329.0	5456	-2.5	31	1.9	331.8	5451	525	
550	-2.1	56	3.3	332.6	5076	-1.8	45	2.7	331.1	5074	-2.6	44	2.6	329.4	5088	-.3	32	2.2	331.1	5080	550	
575	1.0	21	1.5	326.3	4721	.8	32	2.2	328.4	4719	.2	38	2.6	328.9	4734	1.8	33	2.5	330.5	4723	575	
600	3.0	33	2.6	328.1	4377	2.9	33	2.6	328.0	4376	2.7	33	2.6	327.9	4391	3.5	22	1.8	326.4	4379	600	
625	4.9	59	5.1	334.3	4045	4.5	52	4.4	331.8	4044	4.4	40	3.4	328.4	4060	5.7	28	2.6	327.6	4046	625	
650	6.8	46	4.4	330.8	3724	6.7	39	3.7	328.5	3723	6.0	44	4.0	328.5	3739	7.7	29	2.9	327.2	3724	650	
675	8.6	31	3.2	325.8	3413	8.8	26	2.7	324.6	3412	8.1	34	3.4	325.7	3429	9.7	20	2.3	324.1	3412	675	
700	10.4	21	2.4	321.8	3111	10.8	17	2.0	321.2	3110	10.2	26	2.8	323.0	3128	11.6	18	2.2	322.8	3110	700	
725	12.2	25	3.0	322.6	2819	12.5	24	3.0	322.8	2817	12.3	24	2.9	322.3	2835	13.5	21	2.8	323.4	2816	725	
750	13.4	34	4.3	324.8	2534	14.1	30	4.0	324.7	2532	13.9	29	3.9	324.1	2550	15.4	23	3.3	324.2	2530	750	
775	15.1	40	5.5	327.0	2257	15.7	36	5.1	326.8	2255	15.3	39	5.4	327.2	2273	17.2	25	4.0	325.1	2251	775	
800	16.7	45	6.7	329.6	1988	17.2	41	6.4	329.2	1984	16.8	42	6.3	328.3	2003	18.2	28	4.6	325.1	1980	800	
825	17.4	37	5.6	324.2	1725	18.4	39	6.3	327.4	1721	18.2	35	5.6	325.2	1740	19.2	19	3.2	319.2	1716	825	
850	17.8	55	8.3	329.4	1470	19.6	35	6.0	325.0	1465	18.9	44	7.1	327.5	1484	19.3	37	6.1	325.1	1460	850	
875	17.0	85	12.0	335.9	1221	16.5	97	13.3	338.8	1216	17.3	70	9.9	330.5	1235	18.2	57	8.6	327.9	1211	875	
900	18.8	85	13.1	338.4	979	18.5	91	13.7	339.8	974	18.0	79	11.4	332.8	994	18.8	64	9.8	329.5	969	900	
925	20.5	86	14.2	340.9	743	20.5	85	14.1	340.5	737	19.3	83	12.8	335.4	758	20.1	69	11.1	331.7	733	925	
950	22.2	86	15.4	343.6	510	22.4	79	14.4	341.0	505	20.8	87	14.2	338.5	528	21.6	71	12.2	333.9	501	950	
975	23.8	87	16.7	346.4	283	24.1	78	15.3	343.0	278	23.9	83	16.2	345.1	301	23.9	65	12.5	335.2	275	975	
1000	25.4	87	18.0	349.4	60	25.6	83	17.4	348.1	55	27.0	80	18.2	352.1	77	27.7	65	15.4	345.1	52	1000	
SFC.	25.8	87	18.4	350.2	0	26.0	84	18.0	349.4	0	28.0	79	19.0	354.6	0	29.8	71	19.0	357.3	0	SFC.	
				SURFACE PRESSURE	1006.8				SURFACE PRESSURE	1006.2				SURFACE PRESSURE	1008.7				SURFACE PRESSURE	1005.8		



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/ 6 540 GMT					4/ 6 1223 GMT					4/ 6 15 0 GMT					4/ 6 18 0 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-68.0	0	0.0	458.7	19543	-68.7	0	0.0	457.2	19488	0.0	0	0.0	0.0	0	-67.2	0	0.0	460.5	19615	60	
70	-70.0	15	.0	434.7	18618	-67.2	18	.0	440.7	18564	0.0	0	0.0	0.0	0	-65.2	0	0.0	444.9	18681	70	
80	-71.0	15	.0	416.3	17824	-75.2	18	.0	407.6	17774	-75.1	17	.0	407.8	17821	-69.3	0	0.0	419.8	17874	80	
90	-78.3	15	.0	387.9	17141	-79.0	18	.0	386.7	17101	-79.3	17	.0	385.9	17149	-80.1	20	.0	384.4	17191	90	
100	-80.0	15	.0	373.2	16542	-79.1	19	.0	374.9	16502	-80.3	18	.0	372.6	16552	-78.6	20	.0	376.0	16593	100	
110	-75.4	15	.0	371.9	15997	-77.7	19	.0	367.5	15960	-76.4	17	.0	370.0	16008	-77.2	19	.0	368.5	16048	110	
120	-77.5	15	.0	358.8	15494	-76.2	18	.0	361.1	15458	-75.9	17	.0	361.8	15503	-75.9	19	.0	361.8	15546	120	
130	-75.2	15	.0	354.8	15034	-76.3	19	.0	352.8	15000	-75.4	17	.0	354.4	15043	-74.7	19	.0	355.7	15083	130	
140	-71.8	15	.0	353.4	14601	-73.1	18	.0	351.1	14569	-72.1	16	.0	352.9	14610	-71.0	19	.0	354.7	14648	140	
150	-68.5	15	.0	352.1	14190	-70.1	18	.0	349.4	14162	-69.0	16	.0	351.3	14201	-67.6	19	.0	353.7	14236	150	
160	-65.5	15	.0	350.7	13801	-66.7	18	.0	348.8	13775	-65.5	16	.0	350.7	13812	-64.4	18	.0	352.7	13845	160	
170	-62.7	15	.0	349.4	13430	-63.4	17	.0	348.2	13406	-61.8	16	.0	350.9	13440	-61.4	18	.0	351.6	13471	170	
180	-59.5	14	.0	348.9	13075	-60.4	17	.0	347.6	13052	-58.3	15	.0	350.9	13083	-58.5	18	.0	350.6	13114	180	
190	-56.5	14	.0	348.4	12734	-57.4	17	.0	346.9	12713	-55.0	15	.0	350.9	12741	-55.8	18	.0	349.5	12772	190	
200	-53.7	13	.0	347.8	12407	-54.7	17	.0	346.3	12387	-51.8	15	.0	350.8	12410	-53.1	18	.0	348.8	12444	200	
225	-47.1	12	.0	346.5	11638	-48.3	16	.0	344.6	11622	-45.2	14	.0	349.5	11635	-46.2	17	.0	347.9	11673	225	
250	-40.9	12	.0	345.5	10931	-41.8	15	.1	344.3	10919	-39.5	13	.1	347.7	10923	-40.1	16	.1	346.8	10963	250	
275	-35.3	11	.1	344.4	10275	-35.6	14	.1	344.0	10264	-34.3	12	.1	345.9	10264	-34.5	16	.1	345.7	10305	275	
300	-30.3	11	.1	343.2	9663	-30.0	13	.1	343.6	9652	-29.6	11	.1	344.2	9649	-29.4	15	.2	344.6	9690	300	
325	-25.6	10	.2	342.1	9088	-25.6	13	.2	342.2	9077	-25.3	10	.2	342.5	9073	-24.9	15	.2	343.3	9114	325	
350	-21.2	10	.2	341.0	8546	-21.6	12	.2	340.6	8535	-21.4	10	.2	340.8	8531	-21.1	15	.3	341.5	8571	350	
375	-17.7	10	.3	339.2	8033	-17.9	12	.3	339.1	8023	-18.7	11	.3	337.9	8019	-17.6	15	.4	339.8	8058	375	
400	-17.9	13	.3	332.9	7549	-18.3	15	.3	332.5	7541	-18.7	15	.3	332.0	7538	-17.4	17	.4	333.9	7575	400	
425	-13.8	13	.4	332.8	7092	-14.1	15	.5	332.6	7084	-14.3	14	.4	332.2	7082	-13.4	17	.5	333.8	7117	425	
450	-9.9	12	.5	332.7	6654	-10.2	16	.6	332.7	6647	-10.2	13	.5	332.4	6645	-9.6	16	.7	333.7	6679	450	
475	-7.1	11	.5	331.2	6235	-7.2	19	.9	332.3	6228	-6.4	13	.6	332.5	6225	-6.9	21	1.0	333.1	6259	475	
500	-5.3	33	1.7	332.4	5833	-6.3	37	1.8	331.5	5828	-5.9	40	2.0	332.7	5824	-6.6	39	1.8	331.3	5858	500	
525	-4.1	37	2.0	330.4	5449	-5.2	57	2.8	331.7	5445	-5.4	64	3.1	332.1	5441	-5.0	45	2.2	329.9	5476	525	
550	-1.8	50	3.0	332.0	5081	-2.4	44	2.6	329.8	5077	-2.8	50	2.8	330.2	5074	-2.3	38	2.2	328.9	5109	550	
575	.6	47	3.3	331.6	4725	.1	43	2.9	329.6	4723	.2	26	1.7	326.1	4720	.4	31	2.1	327.6	4754	575	
600	3.2	35	2.8	329.2	4382	1.8	53	3.8	330.7	4380	1.6	58	4.1	331.3	4378	2.2	48	3.6	330.3	4411	600	
625	5.2	40	3.5	329.9	4050	4.0	51	4.1	330.3	4050	3.9	46	3.7	328.8	4047	4.7	40	3.4	328.9	4080	625	
650	7.1	44	4.3	330.9	3728	6.1	22	2.0	322.6	3729	5.9	29	2.6	324.2	3727	7.1	29	2.8	326.4	3759	650	
675	9.2	27	2.9	325.4	3416	8.3	25	2.5	323.3	3419	8.3	27	2.8	324.0	3417	9.4	27	2.9	325.8	3447	675	
700	11.2	15	1.8	321.1	3114	10.4	28	3.1	324.2	3118	10.5	21	2.4	322.1	3115	11.6	30	3.6	327.1	3144	700	
725	13.3	16	2.1	321.1	2821	12.5	31	3.8	325.4	2825	12.1	23	2.7	321.6	2822	13.7	32	4.4	328.5	2850	725	
750	15.3	17	2.5	321.3	2535	13.5	44	5.7	329.0	2539	12.4	52	6.3	329.4	2538	14.8	41	5.8	330.8	2564	750	
775	16.3	23	3.5	322.5	2257	13.6	40	5.0	323.9	2263	13.1	29	3.5	319.0	2263	15.7	40	5.7	328.6	2286	775	
800	17.2	30	4.6	323.8	1987	13.9	54	6.7	326.1	1995	13.3	74	8.9	331.8	1996	16.4	35	5.1	324.4	2016	800	
825	18.1	36	5.6	325.1	1724	14.8	77	9.9	333.3	1735	14.8	77	10.0	333.4	1736	17.0	44	6.4	326.1	1754	825	
850	16.5	71	9.9	332.5	1469	16.2	85	11.7	337.0	1481	16.2	86	11.8	337.2	1482	17.1	65	9.5	332.0	1499	850	
875	17.3	85	12.2	336.8	1221	17.8	86	12.7	338.9	1233	17.5	94	13.7	341.3	1233	18.1	73	10.9	334.3	1251	875	
900	18.8	88	13.5	339.5	979	19.3	87	13.7	340.8	990	19.1	94	14.7	343.1	991	19.3	77	12.1	336.2	1008	900	
925	20.5	88	14.6	341.9	742	20.7	88	14.8	342.9	753	20.6	93	15.5	344.5	754	20.4	81	13.3	338.2	771	925	
950	22.1	89	15.8	344.4	510	22.2	89	16.0	345.0	521	22.1	92	16.4	346.0	522	21.5	85	14.6	340.3	540	950	
975	23.7	89	17.0	347.0	283	23.6	90	17.2	347.3	293	23.5	90	17.2	347.4	294	24.1	84	16.5	346.3	312	975	
1000	25.2	89	18.2	349.7	60	25.0	91	18.4	350.0	70	25.0	89	18.1	348.9	71	26.8	83	18.7	353.1	89	1000	
SFC.	25.6	89	18.6	350.5	0	25.8	90	19.0	351.8	0	25.4	89	18.3	349.4	0	27.9	82	19.6	355.9	0	SFC.	
				SURFACE PRESSURE	1006.8				SURFACE PRESSURE	1008.0				SURFACE PRESSURE	1008.1				SURFACE PRESSURE	1010.0		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/ 6 2030 GMT						4/ 7 025 GMT					4/ 7 3 3 GMT					4/ 7 555 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	0.0	0	0.0	0.0	0	-67.9	0	0.0	458.9	19564	-68.6	0	0.0	457.4	19585	-68.7	0	0.0	457.1	19536	60	
70	0.0	0	0.0	0.0	0	-67.4	0	0.0	440.3	18636	-69.2	0	0.0	436.4	18668	-71.2	19	.0	432.1	18619	70	
80	0.0	0	0.0	0.0	0	-66.8	0	0.0	424.9	17830	-70.0	0	0.0	418.4	17869	-70.4	19	.0	417.7	17828	80	
90	0.0	0	0.0	0.0	0	-79.0	20	.0	386.6	17141	-79.8	19	.0	385.0	17184	-80.4	20	.0	383.8	17145	90	
100	0.0	0	0.0	0.0	0	-80.9	20	.0	371.4	16544	-80.4	19	.0	372.4	16589	-81.3	20	.0	370.7	16555	100	
110	0.0	0	0.0	0.0	0	-76.4	20	.0	369.9	16002	-77.5	20	.0	367.8	16047	-78.3	20	.0	366.3	16015	110	
120	0.0	0	0.0	0.0	0	-75.9	20	.0	361.8	15500	-74.9	20	.0	363.6	15545	-75.6	20	.0	362.2	15515	120	
130	0.0	0	0.0	0.0	0	-73.6	20	.0	357.7	15035	-72.2	20	.0	360.1	15077	-73.2	19	.0	358.5	15049	130	
140	0.0	0	0.0	0.0	0	-71.0	20	.0	354.7	14599	-69.8	20	.0	356.9	14638	-70.9	19	.0	355.0	14613	140	
150	-68.2	19	.0	352.7	14230	-68.6	21	.0	352.0	14188	-67.5	20	.0	353.8	14225	-68.7	19	.0	351.8	14202	150	
160	-64.9	19	.0	351.7	13839	-66.3	21	.0	349.3	13799	-65.4	20	.0	350.9	13835	-66.2	19	.0	349.7	13813	160	
170	-61.9	19	.0	350.7	13467	-63.4	21	.0	348.2	13430	-62.7	19	.0	349.4	13464	-62.9	18	.0	349.0	13443	170	
180	-59.0	18	.0	349.7	13111	-60.3	20	.0	347.7	13076	-59.7	18	.0	348.7	13109	-59.9	18	.0	348.4	13088	180	
190	-56.3	18	.0	348.8	12770	-57.3	19	.0	347.2	12737	-56.6	18	.0	348.2	12769	-57.0	18	.0	347.7	12748	190	
200	-53.7	18	.0	347.8	12442	-54.4	18	.0	346.8	12410	-53.7	17	.0	347.9	12441	-54.3	17	.0	347.0	12422	200	
225	-46.9	18	.0	346.8	11673	-47.6	17	.0	345.7	11644	-46.9	17	.0	346.8	11672	-47.7	17	.0	345.5	11656	225	
250	-40.8	18	.1	345.7	10966	-41.2	16	.1	345.1	10938	-40.9	16	.1	345.6	10965	-41.6	16	.1	344.6	10951	250	
275	-35.3	17	.1	344.6	10310	-36.1	16	.1	343.3	10284	-35.4	16	.1	344.3	10309	-36.0	15	.1	343.5	10296	275	
300	-30.3	17	.2	343.4	9697	-30.8	15	.2	342.5	9674	-30.5	15	.2	343.1	9697	-30.9	15	.1	342.4	9686	300	
325	-25.7	17	.2	342.3	9123	-25.7	15	.2	342.1	9099	-25.8	15	.2	342.1	9123	-26.2	14	.2	341.4	9112	325	
350	-21.4	17	.3	341.3	8581	-21.3	14	.3	341.2	8558	-21.4	14	.3	341.1	8581	-21.9	13	.3	340.3	8571	350	
375	-18.0	17	.4	339.5	8068	-17.2	14	.4	340.3	8044	-17.3	13	.4	340.1	8068	-17.9	13	.3	339.2	8060	375	
400	-16.8	17	.4	334.8	7585	-14.2	14	.4	338.3	7557	-13.5	13	.4	339.2	7581	-15.0	13	.4	337.0	7574	400	
425	-13.4	17	.6	333.9	7126	-13.0	16	.5	334.3	7096	-12.0	18	.6	336.1	7118	-12.9	13	.4	334.1	7114	425	
450	-10.2	18	.7	333.0	6689	-10.0	16	.6	333.1	6659	-8.4	17	.8	335.6	6678	-9.5	14	.6	333.5	6676	450	
475	-7.1	18	.8	332.2	6270	-6.2	16	.8	333.2	6239	-5.1	17	.9	335.1	6256	-6.3	16	.8	333.1	6255	475	
500	-5.5	26	1.3	330.9	5869	-3.1	17	1.0	333.0	5835	-1.9	16	1.1	334.6	5851	-3.2	17	1.0	332.8	5852	500	
525	-4.1	34	1.8	329.7	5485	-3.6	31	1.7	330.1	5450	-1.6	27	1.7	332.6	5462	-1.4	23	1.5	332.1	5464	525	
550	-2.3	37	2.2	328.7	5117	-2.1	31	1.9	328.0	5081	-.2	33	2.3	331.7	5090	-1.5	38	2.3	330.2	5094	550	
575	.5	31	2.1	327.9	4762	.7	29	2.1	327.9	4726	2.1	35	2.7	331.4	4733	.8	39	2.7	330.1	4739	575	
600	3.2	26	2.0	326.8	4419	3.4	28	2.3	327.7	4383	4.2	35	3.0	331.1	4388	3.2	40	3.2	330.3	4395	600	
625	5.3	42	3.8	330.8	4086	5.9	27	2.5	327.7	4050	6.8	20	2.0	327.0	4055	5.3	35	3.2	329.0	4063	625	
650	7.5	30	3.0	327.3	3765	7.8	28	2.8	327.2	3728	8.8	31	3.4	330.1	3731	7.4	30	2.9	327.0	3741	650	
675	9.4	32	3.5	327.5	3453	9.0	30	3.2	326.3	3416	10.1	21	2.4	325.1	3418	9.4	27	3.0	325.9	3429	675	
700	11.2	34	4.1	327.9	3150	11.2	31	3.6	326.6	3114	12.0	36	4.5	330.2	3115	11.2	41	4.9	330.4	3127	700	
725	12.9	36	4.6	328.4	2856	13.2	31	4.1	327.0	2820	13.9	43	5.9	333.5	2820	12.9	46	6.0	332.4	2833	725	
750	14.6	38	5.3	329.0	2571	14.9	35	4.9	328.4	2534	16.0	33	5.1	330.2	2533	14.6	35	4.9	327.8	2547	750	
775	16.2	16	2.4	319.0	2293	16.9	22	3.5	323.2	2256	17.4	26	4.1	325.7	2254	15.6	33	4.7	325.3	2269	775	
800	17.0	24	3.7	321.0	2023	17.9	19	3.1	320.3	1985	17.9	18	2.9	319.6	1983	16.2	37	5.3	324.9	2000	800	
825	17.8	33	5.1	323.1	1760	18.5	24	3.8	320.2	1722	18.2	22	3.4	318.6	1720	15.3	78	10.4	335.4	1738	825	
850	18.7	42	6.7	325.9	1505	19.2	33	5.5	323.1	1466	18.8	37	6.0	324.2	1464	16.8	83	11.8	338.1	1484	850	
875	19.6	51	8.3	328.9	1255	19.9	44	7.3	326.4	1216	19.6	54	8.9	330.6	1215	18.3	87	13.2	340.9	1235	875	
900	20.4	59	10.0	331.9	1012	20.6	54	9.1	329.6	973	20.3	71	11.9	336.9	972	19.7	91	14.7	344.0	992	900	
925	21.3	68	11.7	334.9	775	21.2	63	10.9	332.7	735	21.2	84	14.6	342.7	734	21.1	92	15.9	346.2	754	925	
950	22.1	76	13.5	338.1	543	21.9	73	12.7	335.8	504	23.3	84	16.1	346.9	501	22.6	92	16.9	348.2	522	950	
975	23.8	78	15.0	341.7	316	22.9	75	13.7	337.1	277	25.4	83	17.7	351.2	273	24.0	92	18.0	350.2	294	975	
1000	26.0	77	16.4	345.8	93	26.2	68	14.7	341.4	55	27.4	83	19.4	355.9	48	25.4	92	19.1	352.3	71	1000	
SFC.	26.9	76	17.0	347.6	0	29.5	74	19.4	358.2	0	27.8	83	19.8	356.9	0	25.8	92	19.4	353.0	0	SFC.	
				SURFACE PRESSURE	1010.5				SURFACE PRESSURE	1006.2				SURFACE PRESSURE	1005.4				SURFACE PRESSURE	1008.0		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/ 7 835 GMT						4/ 7 1211 GMT						4/ 7 15 0 GMT						4/ 7 18 0 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-65.0	0	0.0	465.4	19457	-66.8	0	0.0	461.5	19463	-69.7	0	0.0	454.9	19381	-68.3	0	0.0	458.0	19595	60		
70	-70.2	0	0.0	434.1	18533	-69.6	0	0.0	435.5	18541	-71.9	0	0.0	430.5	18470	-69.7	0	0.0	435.2	18674	70		
80	-69.5	0	0.0	419.4	17737	-70.2	20	.0	417.9	17743	-69.9	28	.0	418.6	17677	-67.9	21	.0	422.8	17874	80		
90	-80.6	25	.0	383.4	17048	-79.2	20	.0	386.2	17058	-78.3	30	.0	388.0	16990	-77.9	21	.0	388.8	17179	90		
100	-83.7	25	.0	366.0	16459	-82.9	20	.0	367.6	16468	-83.5	30	.0	366.4	16398	-80.4	22	.0	372.4	16581	100		
110	-79.7	25	.0	363.7	15925	-79.6	19	.0	363.9	15932	-80.4	30	.0	362.4	15864	-77.2	22	.0	368.4	16038	110		
120	-76.1	25	.0	361.4	15427	-76.5	19	.0	360.7	15435	-77.6	30	.0	358.7	15369	-74.4	22	.0	364.6	15535	120		
130	-73.1	25	.0	358.5	14961	-72.9	19	.0	358.9	14970	-75.0	30	.0	355.2	14908	-71.8	22	.0	361.0	15066	130		
140	-71.3	25	.0	354.2	14525	-71.1	19	.0	354.6	14533	-72.6	30	.0	352.0	14475	-69.4	21	.0	357.6	14627	140		
150	-69.6	25	.0	350.2	14116	-69.4	19	.0	350.6	14123	-70.0	30	.0	349.5	14067	-66.8	21	.0	355.1	14212	150		
160	-66.8	25	.0	348.6	13729	-65.9	19	.0	350.1	13735	-66.9	30	.0	348.5	13681	-63.8	21	.0	353.7	13820	160		
170	-63.9	26	.0	347.5	13360	-62.6	20	.0	349.6	13364	-63.9	30	.0	347.4	13312	-61.0	20	.0	352.3	13445	170		
180	-61.1	26	.0	346.4	13007	-59.5	20	.0	349.0	13009	-61.1	30	.0	346.4	12959	-58.3	20	.0	350.9	13088	180		
190	-58.5	27	.0	345.3	12669	-57.6	20	.0	346.7	12669	-58.4	30	.0	345.4	12621	-55.8	20	.0	349.6	12746	190		
200	-56.0	27	.0	344.2	12345	-55.3	20	.0	345.3	12344	-55.9	30	.0	344.3	12297	-53.5	20	.0	348.3	12417	200		
225	-50.3	28	.0	341.7	11586	-48.9	20	.0	343.8	11581	-49.8	29	.1	342.4	11537	-48.0	19	.0	345.1	11650	225		
250	-44.1	25	.1	340.9	10889	-42.9	19	.1	342.6	10880	-43.9	27	.1	341.2	10839	-41.9	19	.1	344.1	10946	250		
275	-38.2	23	.1	340.4	10241	-37.3	18	.1	341.6	10230	-38.5	25	.1	340.1	10191	-36.3	18	.1	343.1	10293	275		
300	-32.9	20	.2	339.7	9636	-32.2	16	.1	340.7	9622	-33.5	24	.2	338.9	9587	-31.2	18	.2	342.1	9683	300		
325	-28.0	17	.2	339.0	9067	-27.4	15	.2	339.6	9052	-29.0	22	.2	337.7	9020	-26.7	17	.2	340.9	9110	325		
350	-23.4	15	.3	338.2	8530	-23.1	14	.2	338.6	8514	-24.8	21	.3	336.6	8485	-22.4	17	.3	339.8	8571	350		
375	-19.2	13	.3	337.4	8021	-19.0	13	.3	337.6	8004	-20.9	20	.4	335.4	7980	-18.5	16	.4	338.7	8060	375		
400	-16.1	13	.4	335.5	7538	-15.2	12	.4	336.6	7520	-16.4	20	.5	335.7	7499	-14.8	16	.5	337.6	7575	400		
425	-14.5	14	.4	331.9	7080	-14.4	13	.4	332.0	7062	-13.8	20	.6	333.6	7041	-12.6	16	.6	334.9	7114	425		
450	-11.8	15	.5	330.3	6645	-11.3	14	.5	330.9	6626	-11.4	21	.7	331.7	6604	-10.5	17	.6	332.4	6676	450		
475	-8.5	14	.6	329.7	6228	-8.4	15	.6	329.9	6209	-9.1	21	.8	329.8	6188	-8.6	17	.7	330.0	6259	475		
500	-5.4	14	.7	329.1	5828	-7.4	29	1.3	328.4	5810	-8.8	31	1.2	326.5	5790	-7.1	23	1.0	328.0	5860	500		
525	-5.1	28	1.4	327.2	5444	-6.5	43	1.9	327.1	5430	-7.4	49	2.0	326.4	5412	-5.6	33	1.6	327.1	5479	525		
550	-4.1	49	2.5	327.4	5078	-4.2	41	2.1	326.1	5065	-5.3	50	2.3	325.6	5048	-2.4	29	1.7	327.1	5112	550		
575	-1.2	38	2.3	326.3	4726	-1.0	22	1.4	323.6	4712	-2.4	48	2.7	325.9	4697	-.0	32	2.2	327.2	4757	575		
600	1.5	33	2.4	325.8	4384	1.6	30	2.1	325.1	4371	.5	42	2.8	325.8	4357	2.8	30	2.3	327.0	4415	600		
625	4.0	36	3.0	326.8	4054	4.2	37	3.0	327.1	4040	2.6	46	3.4	326.4	4028	5.8	24	2.2	326.6	4083	625		
650	6.4	39	3.6	328.0	3734	6.5	41	3.8	328.5	3720	4.7	46	3.8	326.4	3709	8.2	28	3.0	328.1	3760	650		
675	8.3	29	2.9	324.4	3423	8.3	33	3.4	325.8	3409	6.9	42	3.9	325.8	3400	10.5	31	3.7	329.5	3447	675		
700	10.0	39	4.3	327.1	3121	9.6	47	5.0	328.9	3108	8.8	44	4.5	326.2	3100	12.5	27	3.5	327.7	3143	700		
725	11.2	56	6.5	331.7	2829	11.3	42	4.9	327.1	2815	10.1	57	6.1	329.3	2809	13.7	33	4.4	328.6	2849	725		
750	13.3	33	4.3	324.5	2545	13.1	23	2.9	320.2	2532	12.2	46	5.5	326.8	2525	14.6	41	5.8	330.5	2562	750		
775	14.6	31	4.1	322.5	2268	14.1	29	3.8	321.0	2256	14.7	50	6.7	330.1	2249	16.0	36	5.3	327.5	2285	775		
800	14.4	65	8.4	331.6	2000	14.1	54	6.8	326.7	1988	14.9	61	8.1	331.4	1980	15.9	51	7.3	330.3	2014	800		
825	15.5	62	8.3	329.8	1739	13.9	81	9.8	331.8	1727	13.3	77	9.0	328.9	1720	14.9	72	9.3	331.8	1753	825		
850	15.8	77	10.3	332.7	1485	14.9	89	11.2	334.2	1475	13.5	87	10.0	329.1	1468	17.3	70	10.3	334.6	1499	850		
875	16.1	92	12.2	335.3	1238	16.4	91	12.2	335.8	1228	15.1	93	11.5	332.1	1222	18.6	73	11.3	336.2	1250	875		
900	17.7	94	13.4	338.0	997	17.8	92	13.2	337.5	986	16.6	94	12.6	334.2	982	19.8	76	12.4	337.7	1007	900		
925	19.5	95	14.7	340.9	761	19.2	94	14.3	339.4	750	18.1	94	13.5	335.9	747	20.9	79	13.5	339.3	770	925		
950	21.2	95	16.1	344.0	529	20.5	95	15.4	341.3	520	19.6	95	14.5	337.7	517	22.0	83	14.6	341.1	538	950		
975	22.8	96	17.5	347.3	302	22.1	95	16.6	344.0	293	21.0	95	15.5	339.5	292	24.0	83	16.2	345.3	311	975		
1000	24.4	97	19.0	350.7	80	24.7	92	18.3	349.3	71	23.7	93	17.4	345.5	71	26.9	81	18.3	352.2	87	1000		
SFC.	25.0	97	19.5	352.0	0	25.5	91	18.9	351.0	0	25.5	90	18.7	350.4	0	28.0	80	19.2	355.1	0	SFC.		
				SURFACE PRESSURE	1009.1				SURFACE PRESSURE	1008.1				SURFACE PRESSURE	1008.1				SURFACE PRESSURE	1009.8			

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA CHRISTMAS ISLAND

4/ 7 2335 GMT						4/ 8 544 GMT					4/ 8 1217 GMT					4/ 8 1650 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-66.7	0	0.0	461.6	19604	-66.9	0	0.0	461.2	19511	-65.5	0	0.0	464.3	19423	0.0	0	0.0	0.0	0	60
70	-69.8	0	0.0	435.0	18679	-69.8	20	.0	435.2	18567	-75.7	0	0.0	422.5	18508	-73.2	0	0.0	427.8	18589	70
80	-69.3	17	.0	419.9	17884	-70.8	19	.0	416.8	17794	-74.2	0	0.0	409.6	17733	-72.7	0	0.0	412.7	17810	80
90	-77.9	18	.0	388.8	17192	-76.3	19	.0	392.0	17163	-73.0	32	.0	398.5	17045	-71.5	0	0.0	401.5	17115	90
100	-81.0	18	.0	371.3	16598	-81.8	20	.0	369.7	16510	-80.0	32	.0	373.2	16433	-75.5	19	.0	381.9	16495	100
110	-77.6	18	.0	367.7	16056	-79.9	20	.0	363.4	15973	-80.3	32	.0	362.6	15897	-80.0	19	.0	363.2	15951	110
120	-74.5	17	.0	364.3	15554	-78.1	20	.0	357.7	15478	-78.0	32	.0	357.9	15403	-77.7	19	.0	358.5	15456	120
130	-71.5	17	.0	361.5	15085	-74.3	20	.0	356.4	15017	-74.6	32	.0	355.8	14941	-73.6	19	.0	357.8	14993	130
140	-68.6	17	.0	359.0	14644	-70.2	19	.0	356.1	14581	-71.5	32	.0	353.8	14507	-69.7	19	.0	357.0	14556	140
150	-65.9	17	.0	356.6	14228	-66.4	19	.0	355.7	14167	-68.6	32	.0	351.9	14097	-67.4	19	.0	354.0	14142	150
160	-63.4	17	.0	354.3	13834	-63.8	19	.0	353.6	13774	-65.9	32	.0	350.0	13708	-65.9	19	.0	350.2	13752	160
170	-61.1	17	.0	352.1	13460	-61.4	19	.0	351.6	13400	-63.4	32	.0	348.3	13338	-62.6	19	.0	349.6	13381	170
180	-58.6	17	.0	350.4	13103	-59.1	19	.0	349.6	13044	-60.9	32	.0	346.7	12985	-59.5	18	.0	349.0	13026	180
190	-56.1	17	.0	349.2	12761	-56.9	19	.0	347.8	12703	-58.5	33	.0	345.2	12647	-56.6	18	.0	348.3	12686	190
200	-53.6	17	.0	348.0	12433	-54.6	19	.0	346.3	12377	-56.3	33	.0	343.8	12322	-53.9	18	.0	347.5	12358	200
225	-47.5	17	.0	346.0	11666	-48.8	18	.0	343.9	11613	-50.3	31	.1	341.6	11565	-49.2	19	.0	343.3	11594	225
250	-40.9	16	.1	345.6	10959	-42.8	17	.1	342.8	10912	-44.5	27	.1	340.3	10868	-44.2	19	.1	340.6	10896	250
275	-36.0	16	.1	343.5	10305	-37.0	17	.1	342.0	10261	-38.3	23	.1	340.3	10221	-38.5	17	.1	339.9	10249	275
300	-30.4	15	.2	343.1	9693	-31.8	16	.1	341.1	9652	-32.6	19	.2	340.1	9616	-32.5	15	.1	340.1	9643	300
325	-25.5	14	.2	342.3	9119	-27.0	15	.2	340.3	9081	-27.7	16	.2	339.3	9046	-27.1	12	.2	340.0	9073	325
350	-21.0	12	.3	341.4	8576	-22.9	14	.2	338.8	8542	-24.0	14	.2	337.3	8509	-23.5	11	.2	337.9	8534	350
375	-17.6	12	.3	339.6	8063	-19.3	12	.3	337.2	8033	-21.2	20	.4	335.1	8003	-20.5	11	.2	335.4	8027	375
400	-14.6	13	.4	337.6	7577	-16.8	33	.8	336.3	7551	-18.5	26	.6	333.1	7524	-17.3	12	.3	333.7	7546	400
425	-11.7	13	.5	335.8	7116	-13.6	51	1.6	337.3	7092	-14.8	27	.8	332.8	7068	-14.1	12	.4	332.4	7089	425
450	-9.0	14	.6	334.1	6676	-11.6	55	1.9	335.4	6656	-12.2	32	1.1	331.7	6633	-11.0	13	.5	331.2	6653	450
475	-8.0	17	.8	330.8	6256	-9.7	18	.7	328.5	6240	-9.9	32	1.2	330.0	6218	-8.1	13	.6	330.1	6235	475
500	-7.2	21	.9	327.6	5857	-6.8	23	1.0	328.4	5842	-6.9	23	1.1	328.4	5820	-5.4	14	.7	329.1	5835	500
525	-4.5	24	1.2	327.3	5475	-4.1	27	1.4	328.5	5459	-4.1	15	.8	326.5	5438	-3.0	14	.8	327.9	5450	525
550	-1.9	26	1.5	327.2	5107	-1.5	31	1.9	328.9	5090	-1.7	15	.9	325.4	5069	-1.2	16	1.0	326.2	5081	550
575	.6	28	1.9	327.2	4752	1.0	35	2.5	329.5	4734	.4	18	1.2	324.9	4714	.5	17	1.2	324.7	4725	575
600	3.5	22	1.8	326.3	4408	3.3	39	3.1	330.4	4390	2.5	21	1.6	324.5	4372	2.5	17	1.3	323.6	4383	600
625	6.3	15	1.4	324.6	4076	5.6	43	3.9	331.5	4057	4.4	24	2.0	324.3	4041	5.3	16	1.4	323.3	4052	625
650	9.1	16	1.8	325.4	3753	7.8	46	4.7	332.9	3735	6.4	25	2.3	323.9	3720	7.9	14	1.4	322.9	3730	650
675	11.8	18	2.2	326.4	3439	9.8	41	4.6	331.4	3422	8.4	25	2.6	323.5	3410	10.1	13	1.5	322.2	3418	675
700	13.5	22	3.0	327.3	3134	11.5	26	3.1	325.4	3119	10.3	25	2.8	323.1	3108	11.6	15	1.8	321.4	3115	700
725	14.6	28	4.0	328.3	2838	12.2	34	4.2	326.3	2826	12.2	25	3.1	322.8	2815	13.1	16	2.0	320.6	2821	725
750	15.9	31	4.6	328.6	2551	13.6	32	4.1	324.4	2541	14.0	25	3.3	322.5	2531	14.5	17	2.3	319.8	2536	750
775	17.6	25	4.1	325.9	2272	14.8	37	5.0	325.4	2264	14.6	41	5.6	326.8	2254	15.4	19	2.7	319.2	2259	775
800	19.2	20	3.5	322.8	2000	14.6	84	11.0	339.3	1995	15.1	64	8.7	333.3	1985	16.1	23	3.2	318.6	1990	800
825	17.0	58	8.7	332.5	1737	15.2	90	12.0	339.6	1734	15.8	87	11.9	340.2	1723	13.7	59	7.0	324.0	1728	825
850	18.8	55	8.9	332.4	1481	16.8	83	11.9	338.3	1479	16.7	83	11.7	337.8	1468	14.6	83	10.3	331.2	1476	850
875	20.6	52	9.1	332.2	1231	18.6	74	11.5	336.7	1231	17.7	79	11.5	335.4	1220	16.0	97	12.8	336.9	1229	875
900	21.5	54	9.7	332.3	987	19.7	74	11.9	336.3	988	17.7	96	13.7	338.7	978	17.4	92	13.0	336.3	988	900
925	21.1	64	10.9	332.6	749	20.1	82	13.2	337.5	751	18.9	98	14.7	340.1	743	19.7	90	14.3	340.0	752	925
950	21.5	70	11.9	333.0	518	21.1	87	14.5	339.7	520	20.3	97	15.5	341.2	512	21.3	89	15.1	341.7	520	950
975	23.8	64	12.4	334.6	291	23.1	86	16.0	343.7	293	22.6	93	16.6	344.6	286	23.0	88	16.2	344.0	294	975
1000	27.2	62	14.3	341.5	69	25.2	86	17.6	348.0	70	24.8	89	17.8	348.0	63	25.0	87	17.7	348.2	71	1000
SFC.	30.8	68	19.2	359.2	0	25.8	86	18.1	349.4	0	25.4	88	18.1	349.0	0	25.7	87	18.2	349.6	0	SFC.
				SURFACE PRESSURE	1007.7				SURFACE PRESSURE	1008.0				SURFACE PRESSURE	1007.2				SURFACE PRESSURE	1008.1	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/ 8 1930 GMT						4/ 8 2346 GMT					4/ 9 210 GMT					4/ 9 525 GMT					P.	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P.	
60	-66.6	0	0.0	461.8	19567	-64.4	0	0.0	466.8	19521	-66.8	0	0.0	461.4	19558	-65.9	0	0.0	463.4	19593	60	
70	-73.2	0	0.0	427.8	18644	-72.2	25	.0	430.0	18601	-74.6	0	0.0	424.8	18644	-69.1	41	.0	436.7	18668	70	
80	-72.6	0	0.0	413.0	17861	-75.3	25	.0	407.5	17824	-75.3	0	0.0	407.4	17870	-77.0	41	.0	404.0	17887	80	
90	-72.1	21	.0	400.4	17168	-72.9	26	.0	398.7	17139	-73.8	28	.0	397.1	17184	-77.9	42	.0	388.8	17212	90	
100	-73.5	21	.0	385.8	16550	-75.0	26	.0	382.9	16524	-73.9	29	.0	385.0	16571	-78.7	42	.0	375.7	16611	100	
110	-78.7	24	.0	365.6	16003	-77.6	27	.0	367.7	15976	-76.7	29	.0	369.3	16019	-75.3	42	.0	372.1	16064	110	
120	-75.5	24	.0	362.5	15504	-77.2	27	.0	359.4	15478	-75.7	29	.0	362.0	15519	-72.1	43	.0	368.7	15555	120	
130	-72.6	24	.0	359.5	15037	-73.1	27	.0	358.7	15014	-72.5	29	.0	359.6	15052	-69.2	43	.0	365.5	15081	130	
140	-69.9	24	.0	356.7	14599	-69.3	27	.0	357.8	14575	-69.5	29	.0	357.3	14614	-66.6	43	.0	362.6	14635	140	
150	-67.4	24	.0	354.1	14186	-66.0	27	.0	356.4	14160	-66.8	28	.0	355.1	14199	-64.1	43	.0	359.8	14215	150	
160	-65.0	24	.0	351.6	13795	-64.3	27	.0	352.8	13767	-64.2	28	.0	353.0	13807	-61.8	43	.0	357.2	13818	160	
170	-62.8	24	.0	349.2	13423	-62.7	27	.0	349.5	13395	-61.7	28	.0	351.0	13434	-59.6	43	.0	354.7	13441	170	
180	-60.0	23	.0	348.2	13069	-60.4	27	.0	347.5	13041	-59.3	28	.0	349.3	13078	-57.5	44	.0	352.3	13082	180	
190	-57.3	23	.0	347.2	12729	-57.6	28	.0	346.7	12702	-56.4	28	.0	348.7	12737	-55.6	44	.0	350.1	12739	190	
200	-54.8	22	.0	346.2	12403	-54.9	28	.0	346.0	12376	-53.6	29	.0	348.0	12409	-53.7	44	.1	348.0	12410	200	
225	-49.0	21	.0	343.7	11640	-49.4	29	.1	343.1	11615	-47.3	29	.1	346.4	11641	-48.2	47	.1	345.1	11644	225	
250	-43.2	20	.1	342.2	10939	-43.0	28	.1	342.6	10915	-41.6	30	.1	344.7	10936	-42.4	44	.2	343.8	10941	250	
275	-37.4	19	.1	341.5	10289	-37.2	27	.2	341.9	10264	-36.7	34	.2	342.9	10282	-36.9	41	.2	342.8	10289	275	
300	-32.1	18	.2	340.8	9682	-32.2	24	.2	340.9	9657	-31.7	26	.2	341.7	9673	-31.5	32	.3	342.1	9681	300	
325	-27.4	18	.2	339.9	9111	-27.6	21	.3	339.7	9086	-27.0	18	.2	340.5	9102	-26.4	16	.2	341.2	9108	325	
350	-23.8	18	.3	337.8	8574	-23.8	21	.3	338.0	8549	-22.9	20	.3	339.3	8563	-22.3	14	.3	339.8	8568	350	
375	-20.5	17	.3	335.8	8066	-20.2	21	.4	336.5	8042	-19.0	22	.5	338.4	8053	-18.4	13	.3	338.5	8057	375	
400	-17.4	17	.4	334.0	7586	-16.9	21	.5	335.1	7560	-15.4	23	.7	337.5	7569	-15.7	44	1.2	339.1	7573	400	
425	-14.0	18	.5	333.1	7129	-13.4	19	.6	334.1	7102	-12.1	19	.7	336.1	7109	-12.4	23	.8	336.1	7113	425	
450	-10.7	18	.7	332.3	6692	-10.9	28	1.0	333.2	6665	-9.0	18	.8	334.8	6669	-9.1	16	.7	334.3	6673	450	
475	-7.7	18	.8	331.5	6274	-7.8	28	1.2	332.8	6247	-6.1	19	1.0	334.0	6248	-6.8	16	.8	332.5	6253	475	
500	-4.8	19	1.0	330.9	5873	-4.5	24	1.3	332.2	5846	-3.4	21	1.2	333.2	5845	-4.5	17	.9	330.8	5851	500	
525	-2.3	19	1.2	329.8	5487	-2.5	25	1.5	330.6	5460	-1.8	26	1.6	332.0	5458	-2.4	17	1.0	329.3	5465	525	
550	-1.1	20	1.4	328.7	5116	-1.6	25	1.7	329.2	5090	-1.2	29	2.0	330.8	5087	-1.1	17	1.2	328.0	5095	550	
575	2.0	20	1.5	327.7	4759	1.2	26	1.9	327.8	4733	2.2	28	2.2	329.9	4729	1.9	23	1.7	328.1	4738	575	
600	4.1	20	1.7	326.8	4414	3.0	26	2.0	326.5	4390	4.4	27	2.3	329.0	4384	3.8	28	2.3	328.4	4393	600	
625	6.0	21	1.9	326.0	4081	5.2	26	2.3	326.2	4058	6.5	25	2.4	328.1	4051	6.0	26	2.4	327.4	4061	625	
650	7.9	21	2.2	325.2	3759	7.4	26	2.6	325.9	3736	8.5	24	2.6	327.2	3728	8.0	24	2.5	326.4	3738	650	
675	9.7	21	2.4	324.5	3447	9.4	26	2.9	325.7	3425	10.5	23	2.7	326.3	3415	10.1	22	2.5	325.4	3426	675	
700	11.5	22	2.6	323.8	3144	11.4	27	3.2	325.6	3122	12.4	22	2.8	325.5	3111	12.0	21	2.6	324.3	3123	700	
725	13.2	22	2.9	323.3	2850	13.3	27	3.5	325.5	2828	14.2	21	2.9	324.6	2817	13.9	19	2.6	323.2	2828	725	
750	14.4	23	3.2	322.6	2565	15.2	27	3.9	325.4	2542	15.8	24	3.5	325.1	2530	15.7	17	2.6	322.1	2542	750	
775	15.5	25	3.6	322.0	2288	17.0	27	4.2	325.5	2263	16.9	32	5.0	327.8	2251	17.2	20	3.1	322.4	2264	775	
800	16.5	27	4.0	321.5	2018	18.3	29	4.8	325.7	1992	17.9	42	6.8	331.1	1980	16.9	51	7.6	332.4	1993	800	
825	16.5	43	6.1	324.7	1756	17.0	44	6.4	326.2	1729	18.4	43	7.0	329.4	1716	18.4	49	7.9	331.9	1730	825	
850	15.6	74	9.7	330.8	1502	17.9	45	6.8	325.4	1474	19.0	50	8.1	330.3	1460	19.5	56	9.5	335.0	1473	850	
875	17.7	69	10.1	331.6	1255	18.8	57	8.9	329.6	1226	19.8	68	11.3	337.7	1210	20.4	69	12.0	340.1	1223	875	
900	19.9	63	10.3	332.1	1013	20.2	62	10.3	332.2	983	20.7	69	11.8	337.3	966	19.0	89	13.8	340.5	979	900	
925	21.1	66	11.3	333.6	775	21.5	66	11.7	335.1	745	21.5	70	12.4	337.1	728	20.5	90	14.9	342.8	742	925	
950	22.6	73	13.4	338.4	543	22.8	71	13.1	338.1	513	22.0	78	13.8	338.9	496	22.0	91	16.1	345.3	510	950	
975	25.4	72	15.4	345.0	315	24.1	75	14.7	341.3	285	23.9	72	13.9	339.0	269	23.5	89	16.8	346.4	283	975	
1000	28.2	72	17.6	352.1	91	27.1	76	17.4	350.1	62	26.9	72	16.3	346.7	46	24.9	86	17.3	346.8	60	1000	
SFC.	29.3	72	18.6	355.2	0	29.2	74	19.1	356.7	0	28.0	75	18.0	352.4	0	25.3	85	17.4	346.9	0	SFC.	
				SURFACE PRESSURE	1010.2				SURFACE PRESSURE	1007.0				SURFACE PRESSURE	1005.2				SURFACE PRESSURE	1006.8		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/ 9 12 0 GMT					4/10 540 GMT					4/10 1151 GMT					4/10 1643 GMT					P		
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-67.1	0	0.0	460.7	19438	-63.8	22	.0	468.3	19520	-71.2	0	0.0	451.6	19353	-60.4	0	0.0	475.7	19457	60	
70	-69.9	0	0.0	434.9	18509	-71.7	22	.0	431.0	18593	-75.0	0	0.0	423.9	18454	-70.8	0	0.0	433.0	18520	70	
80	-69.1	0	0.0	420.2	17715	-72.9	23	.0	412.4	17811	-75.7	0	0.0	406.6	17677	-73.0	0	0.0	412.2	17737	80	
90	-79.9	0	0.0	384.8	17035	-76.3	23	.0	392.0	17125	-80.9	19	.0	382.8	17005	-78.1	0	0.0	388.4	17054	90	
100	-83.2	31	.0	367.0	16446	-79.9	23	.0	373.4	16523	-80.7	19	.0	371.8	16411	-80.3	25	.0	372.6	16458	100	
110	-81.7	31	.0	359.9	15915	-79.9	23	.0	363.3	15984	-81.5	19	.0	360.4	15875	-79.3	25	.0	364.4	15918	110	
120	-77.8	31	.0	358.3	15422	-77.0	23	.0	359.7	15489	-78.0	19	.0	357.8	15384	-79.3	25	.0	355.5	15424	120	
130	-74.1	30	.0	356.8	14960	-72.5	22	.0	359.7	15024	-73.9	18	.0	357.1	14921	-75.7	25	.0	353.9	14966	130	
140	-70.8	30	.0	355.2	14524	-68.3	21	.0	359.5	14584	-70.1	18	.0	356.3	14485	-71.6	25	.0	353.7	14533	140	
150	-67.6	30	.0	353.6	14112	-66.6	22	.0	355.4	14168	-67.9	18	.0	353.2	14072	-67.8	25	.0	353.3	14122	150	
160	-64.7	30	.0	352.1	13721	-64.3	22	.0	352.8	13776	-65.5	18	.0	350.7	13682	-65.6	25	.0	350.6	13731	160	
170	-62.0	31	.0	350.6	13348	-61.5	22	.0	351.4	13403	-62.5	18	.0	349.8	13311	-62.9	25	.0	349.0	13361	170	
180	-59.5	32	.0	349.0	12993	-58.9	21	.0	350.0	13046	-59.6	17	.0	348.8	12956	-60.1	25	.0	348.0	13006	180	
190	-57.1	34	.0	347.5	12653	-56.4	21	.0	348.7	12705	-56.9	17	.0	347.9	12615	-57.5	25	.0	346.9	12667	190	
200	-54.9	35	.0	346.1	12327	-54.0	21	.0	347.4	12377	-54.7	17	.0	346.2	12289	-55.0	25	.0	345.9	12341	200	
225	-49.7	39	.1	342.7	11565	-48.5	21	.0	344.3	11612	-49.3	15	.0	343.2	11527	-48.9	25	.0	343.7	11578	225	
250	-44.6	47	.1	340.4	10867	-43.6	20	.1	341.5	10911	-43.7	16	.0	341.4	10828	-43.4	24	.1	342.0	10878	250	
275	-39.3	43	.2	339.1	10222	-39.0	20	.1	339.2	10264	-40.3	16	.1	337.1	10181	-38.3	24	.1	340.3	10229	275	
300	-33.9	28	.2	338.4	9620	-33.5	19	.1	338.8	9661	-34.7	15	.1	336.9	9581	-34.4	25	.2	337.5	9626	300	
325	-29.1	20	.2	337.5	9053	-28.5	19	.2	338.3	9093	-29.5	14	.1	336.6	9016	-29.3	23	.2	337.3	9061	325	
350	-25.0	22	.3	336.4	8519	-23.8	18	.3	337.9	8557	-24.8	14	.2	336.2	8482	-24.4	22	.3	337.1	8526	350	
375	-21.8	63	1.1	336.9	8014	-20.5	23	.5	336.3	8049	-21.5	15	.3	334.2	7976	-20.6	22	.4	336.0	8019	375	
400	-17.4	71	1.7	338.5	7535	-16.3	18	.5	335.7	7568	-18.9	44	.9	333.9	7498	-18.8	54	1.2	334.8	7540	400	
425	-14.2	55	1.6	336.7	7077	-13.0	34	1.1	336.4	7108	-15.3	62	1.7	335.3	7043	-14.1	48	1.4	336.1	7084	425	
450	-11.0	14	.5	331.3	6641	-9.9	48	1.9	337.6	6670	-12.1	41	1.4	332.9	6609	-11.3	51	1.8	335.4	6648	450	
475	-8.3	16	.7	330.2	6224	-7.4	31	1.4	333.8	6251	-9.4	28	1.1	330.2	6193	-8.4	41	1.7	333.7	6231	475	
500	-6.3	24	1.1	329.5	5824	-5.1	26	1.3	331.5	5850	-7.3	22	1.0	327.6	5795	-5.6	31	1.6	331.7	5831	500	
525	-4.4	23	1.2	327.4	5441	-2.9	21	1.2	329.3	5465	-5.3	16	.8	324.8	5413	-3.0	23	1.3	329.5	5446	525	
550	-2.2	16	1.0	324.9	5073	-2.1	28	1.7	327.3	5095	-4.0	20	1.1	323.0	5047	-1.8	27	1.6	327.7	5077	550	
575	.1	18	1.2	324.3	4719	.0	35	2.3	327.8	4741	-2.3	27	1.5	322.5	4696	-.5	31	2.0	326.0	4723	575	
600	2.3	19	1.5	323.8	4376	2.4	29	2.2	326.2	4399	.2	30	2.0	322.9	4356	1.7	36	2.6	326.7	4381	600	
625	4.4	21	1.7	323.4	4046	4.6	25	2.1	324.7	4067	2.6	31	2.3	323.0	4027	4.0	40	3.2	327.5	4050	625	
650	6.4	22	2.1	323.1	3725	6.5	34	3.2	326.8	3747	5.0	29	2.4	322.5	3709	6.2	38	3.5	327.2	3730	650	
675	8.5	22	2.3	322.7	3415	8.4	44	4.5	329.3	3436	7.2	27	2.5	321.9	3400	8.3	36	3.7	326.8	3420	675	
700	10.7	20	2.2	321.8	3113	11.0	35	4.2	328.0	3134	9.3	25	2.6	321.2	3100	10.4	34	3.9	326.5	3118	700	
725	12.8	17	2.2	320.8	2820	13.8	29	4.0	327.5	2840	11.1	23	2.6	320.0	2808	12.4	33	4.1	326.1	2825	725	
750	14.8	15	2.1	319.6	2535	16.8	25	4.0	327.7	2553	12.6	21	2.6	318.6	2525	14.3	31	4.3	325.7	2540	750	
775	16.6	14	2.2	318.9	2257	17.1	28	4.4	326.2	2273	14.1	20	2.5	317.1	2249	16.0	30	4.5	325.3	2262	775	
800	17.2	23	3.6	320.9	1987	17.3	32	4.9	324.9	2003	15.5	18	2.5	315.6	1981	16.9	33	5.1	325.0	1992	800	
825	17.8	32	4.9	322.7	1724	18.0	45	7.1	329.2	1740	15.4	32	4.3	318.0	1720	16.7	44	6.4	325.7	1729	825	
850	18.5	28	4.3	318.9	1469	16.9	71	10.1	333.5	1484	15.3	46	5.9	319.8	1467	15.3	61	7.8	325.3	1476	850	
875	17.0	66	9.3	328.5	1221	16.6	88	12.1	335.7	1237	14.7	75	9.0	325.0	1222	15.6	90	11.5	332.8	1229	875	
900	17.1	93	12.8	335.4	980	19.3	80	12.6	337.6	995	15.7	83	10.4	327.3	982	17.1	83	11.4	331.7	989	900	
925	19.0	85	12.8	335.1	745	20.3	86	14.0	340.1	758	17.4	80	10.8	327.8	749	18.5	80	11.7	331.4	754	925	
950	20.3	89	14.1	337.7	514	21.2	92	15.5	342.6	526	18.6	84	12.1	330.1	520	19.4	90	13.6	335.0	524	950	
975	22.5	86	15.3	340.9	288	22.9	90	16.4	344.5	300	19.9	93	14.1	334.5	295	21.3	88	14.5	337.4	299	975	
1000	24.7	83	16.4	344.1	66	24.5	88	17.3	346.2	77	22.8	90	16.0	340.6	75	23.5	83	15.4	339.9	78	1000	
SFC.	25.3	82	16.8	345.1	0	25.1	87	17.6	346.9	0	24.1	90	17.1	344.4	0	24.7	85	16.7	344.1	0	SFC.	
				SURFACE PRESSURE	1007.5				SURFACE PRESSURE	1008.8				SURFACE PRESSURE	1008.6				SURFACE PRESSURE	1008.9		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/10 1933 GMT							4/10 2250 GMT				4/11 142 GMT				4/11 5 0 GMT							
P	T	RH	W	EPT	H		T	RH	W	EPT	H	T	RH	W	EPT	H	P					
60	-63.0	0	0.0	469.9	19458		-63.2	0	0.0	469.4	19534	-63.1	0	0.0	469.7	19589	-65.5	0	0.0	464.3	19549	60
70	-71.0	0	0.0	432.6	18522		-71.2	0	0.0	432.0	18599	-71.8	0	0.0	430.8	18660	-71.6	18	0.0	431.3	18626	70
80	-72.7	0	0.0	412.7	17741		-72.3	0	0.0	413.6	17817	-70.9	19	0.0	416.6	17875	-73.5	18	0.0	411.2	17842	80
90	-77.1	20	0.0	390.3	17054		-74.8	0	0.0	394.9	17126	-74.1	19	0.0	396.3	17183	-75.8	18	0.0	392.9	17159	90
100	-79.5	20	0.0	374.2	16457		-79.1	18	0.0	374.9	16520	-77.8	20	0.0	377.4	16572	-77.1	18	0.0	378.8	16550	100
110	-80.1	21	0.0	362.9	15916		-80.6	18	0.0	362.0	15977	-79.9	20	0.0	363.3	16028	-79.4	18	0.0	364.4	16006	110
120	-79.2	20	0.0	355.8	15423		-78.5	19	0.0	357.0	15485	-77.8	19	0.0	358.3	15533	-77.7	18	0.0	358.4	15512	120
130	-75.6	20	0.0	354.1	14965		-75.2	19	0.0	354.8	15025	-74.5	18	0.0	356.1	15072	-74.7	18	0.0	355.8	15050	130
140	-72.3	20	0.0	352.5	14532		-72.2	18	0.0	352.6	14592	-71.3	18	0.0	354.3	14637	-71.9	18	0.0	353.2	14616	140
150	-69.2	20	0.0	350.9	14123		-69.4	18	0.0	350.6	14183	-68.3	17	0.0	352.5	14226	-68.9	18	0.0	351.4	14207	150
160	-66.3	20	0.0	349.5	13735		-65.9	18	0.0	350.1	13795	-65.1	17	0.0	351.5	13836	-65.6	18	0.0	350.6	13818	160
170	-63.1	20	0.0	348.7	13365		-63.2	18	0.0	348.6	13424	-61.9	17	0.0	350.8	13463	-62.4	18	0.0	349.9	13446	170
180	-60.2	20	0.0	347.9	13011		-59.8	18	0.0	348.4	13070	-58.9	17	0.0	350.0	13107	-59.4	18	0.0	349.1	13091	180
190	-57.4	19	0.0	347.1	12671		-56.7	17	0.0	348.2	12730	-56.0	17	0.0	349.2	12766	-56.6	18	0.0	348.3	12751	190
200	-54.7	19	0.0	346.2	12345		-53.7	17	0.0	347.9	12402	-53.3	17	0.0	348.4	12438	-53.8	18	0.0	347.6	12423	200
225	-48.6	19	0.0	344.2	11581		-47.9	16	0.0	345.2	11635	-46.8	17	0.0	346.9	11669	-47.1	17	0.0	346.5	11655	225
250	-43.2	19	0.1	342.2	10880		-42.5	16	0.1	343.1	10932	-41.5	16	0.1	344.7	10962	-41.1	16	0.1	345.2	10949	250
275	-38.2	18	0.1	340.3	10231		-37.3	16	0.1	341.6	10281	-35.7	16	0.1	343.9	10307	-35.7	15	0.1	343.9	10293	275
300	-34.2	18	0.1	337.8	9627		-32.5	16	0.1	340.2	9674	-30.8	15	0.1	342.6	9695	-30.7	14	0.1	342.6	9682	300
325	-29.2	18	0.2	337.2	9061		-27.6	16	0.2	339.4	9104	-26.2	15	0.2	341.5	9122	-26.2	13	0.2	341.4	9108	325
350	-24.5	18	0.3	336.7	8526		-23.2	16	0.3	338.6	8566	-21.8	15	0.3	340.5	8581	-22.4	15	0.3	340.7	8568	350
375	-20.2	18	0.4	336.3	8020		-19.4	16	0.4	337.3	8057	-17.8	15	0.4	339.6	8069	-19.0	17	0.4	338.0	8058	375
400	-19.0	40	0.9	333.4	7539		-15.8	17	0.5	336.3	7575	-15.0	20	0.6	337.8	7584	-15.8	19	0.5	336.5	7574	400
425	-15.0	37	1.0	333.6	7084		-12.8	25	0.8	335.6	7115	-11.9	29	1.1	337.6	7122	-12.9	40	1.3	337.3	7115	425
450	-12.4	50	1.7	333.5	6649		-10.3	39	1.5	335.8	6677	-9.0	38	1.6	337.8	6682	-9.7	43	1.8	337.3	6676	450
475	-9.8	43	1.6	331.6	6234		-7.7	35	1.6	334.0	6258	-6.1	39	2.0	337.4	6261	-6.8	44	2.1	337.1	6256	475
500	-6.6	30	1.4	329.8	5836		-5.0	23	1.2	331.3	5857	-3.0	22	1.3	334.2	5857	-3.9	28	1.6	333.9	5853	500
525	-4.1	24	1.3	327.9	5453		-2.7	18	1.1	329.0	5472	-1.5	18	1.1	330.7	5470	-1.9	25	1.6	331.7	5466	525
550	-1.8	18	1.1	325.8	5085		-.6	17	1.2	327.5	5102	-.2	17	1.1	327.9	5099	.1	22	1.5	329.5	5095	550
575	-.7	24	1.5	324.3	4731		1.4	17	1.3	326.0	4745	2.0	22	1.7	328.2	4742	1.9	19	1.4	327.3	4738	575
600	1.0	27	1.8	323.4	4390		2.8	26	2.0	326.1	4402	4.2	27	2.3	328.7	4397	3.9	23	1.9	327.2	4394	600
625	3.3	26	2.0	323.0	4060		4.9	28	2.4	326.2	4070	6.3	30	2.8	329.0	4063	5.8	30	2.8	328.4	4061	625
650	5.5	26	2.3	322.7	3741		7.5	25	2.4	325.6	3749	8.3	28	3.0	328.3	3741	7.8	32	3.2	328.5	3739	650
675	7.7	26	2.5	322.5	3431		9.4	23	2.5	324.6	3437	10.3	27	3.1	327.5	3428	9.8	30	3.4	327.6	3426	675
700	9.8	25	2.7	322.2	3131		11.3	22	2.6	323.6	3135	12.1	26	3.3	326.7	3125	11.8	28	3.4	326.7	3123	700
725	11.8	25	3.0	322.0	2838		13.2	20	2.6	322.6	2841	14.0	25	3.4	325.9	2830	13.6	26	3.5	325.8	2829	725
750	13.8	24	3.2	321.8	2554		14.9	19	2.7	321.5	2555	15.7	24	3.5	325.1	2543	15.2	27	3.9	325.5	2543	750
775	15.6	24	3.5	321.7	2277		16.3	23	3.4	322.4	2278	17.4	23	3.6	324.2	2265	16.7	28	4.2	325.3	2264	775
800	16.2	27	3.9	320.8	2007		17.3	30	4.6	323.9	2007	18.7	23	3.9	323.6	1993	14.8	33	4.3	320.3	1994	800
825	15.7	35	4.7	319.8	1746		18.0	27	4.2	320.7	1744	18.2	38	6.1	326.6	1729	13.7	87	10.5	333.5	1735	825
850	14.3	53	6.3	320.0	1493		14.4	70	8.6	326.1	1491	16.4	69	9.6	331.3	1475	15.8	93	12.5	338.7	1482	850
875	14.5	65	7.8	321.3	1248		16.5	66	9.0	327.1	1245	18.5	64	9.8	331.6	1227	17.8	86	12.6	338.7	1234	875
900	15.6	71	8.8	322.8	1009		18.6	62	9.3	327.9	1003	20.5	58	9.9	331.7	984	19.6	78	12.6	338.2	991	900
925	17.1	73	9.7	324.5	776		20.6	58	9.7	328.5	767	22.5	53	9.9	331.4	746	21.5	71	12.5	337.3	754	925
950	18.9	75	10.9	327.2	547		21.9	59	10.4	329.5	536	24.4	48	9.8	330.8	513	23.2	64	12.2	336.1	521	950
975	23.1	72	13.3	336.4	322		22.4	67	11.8	331.3	310	25.2	51	10.7	331.6	285	24.6	67	13.4	338.4	294	975
1000	27.2	70	16.1	346.6	98		26.4	65	14.1	340.0	88	27.0	57	13.0	337.6	62	25.9	69	14.7	341.0	70	1000
SFC.	29.0	69	17.5	351.5	0		29.1	67	17.1	350.7	0	29.5	65	17.0	351.3	0	26.3	70	15.1	341.9	0	SFC.
				SURFACE PRESSURE	1011.1					SURFACE PRESSURE	1009.9				SURFACE PRESSURE	1007.0				SURFACE PRESSURE	1008.0	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/11 1133 GMT					4/11 1732 GMT					4/11 2345 GMT					4/12 531 GMT					P				
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P			
60	-65.2	0	0.0	464.9	19482	-63.6	0	0.0	468.6	19631	-65.2	0	0.0	464.9	19507	0.0	0	0.0	0.0	0	60			
70	-71.7	0	0.0	431.1	18558	-69.6	0	0.0	435.5	18698	-68.9	0	0.0	437.0	18577	0.0	0	0.0	0.0	0	70			
80	-77.0	28	.0	403.9	17781	-73.0	18	.0	412.2	17911	-74.7	18	.0	408.7	17789	0.0	0	0.0	0.0	0	80			
90	-79.1	28	.0	386.4	17110	-77.8	18	.0	389.0	17225	-79.8	19	.0	385.0	17114	0.0	0	0.0	0.0	0	90			
100	-77.3	28	.0	378.4	16509	-76.8	19	.0	379.4	16621	-78.0	20	.0	377.1	16514	0.0	0	0.0	0.0	0	100			
110	-78.5	28	.0	366.0	15964	-75.0	19	.0	372.5	16070	-74.9	20	.0	372.8	15965	0.0	0	0.0	0.0	0	110			
120	-79.1	28	.0	355.8	15469	-73.4	19	.0	366.3	15563	-75.4	20	.0	362.7	15458	-74.3	23	.0	364.7	15497	120			
130	-75.7	27	.0	353.9	15010	-71.0	19	.0	362.4	15093	-75.2	20	.0	354.8	14996	-74.5	22	.0	356.0	15032	130			
140	-72.5	27	.0	352.1	14579	-68.1	19	.0	359.9	14651	-72.3	20	.0	352.5	14564	-71.3	22	.0	354.2	14597	140			
150	-69.6	26	.0	350.3	14170	-65.4	19	.0	357.5	14234	-69.1	20	.0	351.0	14155	-68.3	22	.0	352.5	14186	150			
160	-66.2	26	.0	349.5	13782	-62.9	18	.0	355.2	13839	-66.2	19	.0	349.6	13766	-65.5	22	.0	350.8	13796	160			
170	-63.0	25	.0	348.9	13412	-60.5	18	.0	353.0	13463	-63.4	19	.0	348.2	13396	-62.9	22	.0	349.1	13425	170			
180	-60.0	25	.0	348.2	13058	-58.3	18	.0	350.9	13106	-60.8	19	.0	346.8	13043	-60.4	22	.0	347.5	13071	180			
190	-57.1	25	.0	347.5	12718	-56.1	18	.0	349.1	12764	-58.0	19	.0	346.0	12705	-57.9	22	.0	346.3	12733	190			
200	-54.0	25	.0	347.5	12391	-53.3	18	.0	348.4	12436	-55.1	18	.0	345.6	12379	-54.8	21	.0	346.1	12407	200			
225	-48.2	26	.1	344.8	11624	-47.0	17	.0	346.7	11666	-48.5	18	.0	344.3	11616	-47.8	19	.0	345.5	11642	225			
250	-42.1	23	.1	343.9	10920	-41.3	17	.1	345.0	10960	-42.5	17	.1	343.1	10914	-42.5	19	.1	343.2	10939	250			
275	-36.4	21	.1	343.0	10267	-35.9	16	.1	343.6	10305	-36.8	17	.1	342.3	10262	-36.9	17	.1	342.2	10288	275			
300	-31.4	20	.2	341.9	9658	-31.0	16	.1	342.3	9694	-31.8	16	.1	341.2	9653	-31.8	16	.1	341.1	9679	300			
325	-26.8	19	.2	340.8	9086	-26.4	15	.2	341.1	9121	-27.2	16	.2	340.0	9082	-27.1	15	.2	340.1	9108	325			
350	-22.6	18	.3	339.6	8546	-22.2	14	.3	339.8	8581	-23.2	15	.3	338.5	8544	-23.2	16	.3	338.6	8570	350			
375	-20.9	19	.4	335.4	8037	-20.1	16	.3	336.3	8072	-19.7	16	.3	336.8	8035	-19.5	17	.4	337.2	8061	375			
400	-18.7	83	1.8	337.1	7559	-16.1	17	.5	335.9	7590	-16.5	17	.4	335.3	7553	-16.3	17	.5	335.6	7579	400			
425	-14.4	59	1.7	336.7	7103	-13.6	38	1.2	335.8	7131	-13.0	18	.6	334.6	7094	-12.6	17	.6	335.0	7119	425			
450	-10.6	47	1.8	336.2	6667	-10.6	40	1.5	335.3	6694	-10.0	22	.9	333.8	6656	-9.9	34	1.3	335.7	6681	450			
475	-7.8	38	1.7	334.3	6248	-7.7	42	1.9	335.0	6276	-7.6	27	1.2	333.0	6237	-6.9	41	2.0	336.3	6261	475			
500	-5.2	29	1.5	332.0	5848	-5.0	44	2.3	334.9	5874	-5.3	32	1.6	332.3	5836	-4.6	48	2.6	336.4	5859	500			
525	-3.0	19	1.1	328.7	5463	-2.0	28	1.7	332.0	5489	-3.0	29	1.7	330.7	5452	-1.8	34	2.2	333.8	5472	525			
550	-.5	17	1.1	327.6	5093	.0	18	1.3	328.6	5117	-1.0	18	1.2	327.1	5082	-.2	18	1.3	328.3	5101	550			
575	1.7	17	1.3	326.5	4736	1.6	20	1.5	327.0	4760	.2	24	1.6	325.8	4726	1.4	35	2.6	330.3	4744	575			
600	2.8	16	1.2	323.8	4393	3.1	21	1.7	325.5	4417	1.3	30	2.1	324.7	4384	2.6	49	3.8	331.4	4400	600			
625	4.9	24	2.1	325.0	4061	4.6	23	1.9	324.1	4085	2.4	35	2.6	323.7	4055	3.9	48	3.8	329.3	4069	625			
650	6.6	27	2.5	324.7	3740	5.9	24	2.1	322.8	3765	4.5	34	2.8	323.0	3737	5.0	44	3.7	326.5	3750	650			
675	8.1	24	2.4	322.8	3430	8.3	24	2.5	323.1	3455	6.9	30	2.8	322.4	3429	6.9	38	3.5	324.7	3441	675			
700	10.2	21	2.4	321.6	3129	10.6	25	2.8	323.4	3153	9.2	27	2.8	321.6	3129	9.2	36	3.7	324.6	3140	700			
725	12.2	19	2.3	320.3	2836	12.8	25	3.2	323.9	2860	11.4	23	2.7	320.7	2837	11.4	33	3.9	324.3	2848	725			
750	14.1	17	2.3	319.3	2551	14.9	25	3.6	324.4	2574	13.5	21	2.6	319.8	2553	13.6	31	4.0	324.0	2564	750			
775	15.9	15	2.2	318.3	2274	17.0	26	4.0	325.0	2296	15.4	20	2.8	319.3	2276	15.6	29	4.1	323.6	2287	775			
800	17.6	14	2.2	317.2	2005	18.7	29	4.8	326.2	2025	17.3	31	4.8	324.5	2006	17.3	33	5.1	325.7	2017	800			
825	13.1	96	11.1	334.6	1745	14.9	80	10.4	334.7	1762	15.2	56	7.4	326.8	1744	18.0	55	8.7	333.8	1754	825			
850	15.4	91	11.8	336.4	1492	16.7	82	11.6	337.3	1507	15.7	76	10.2	332.2	1491	18.1	75	11.7	339.4	1498	850			
875	17.6	85	12.5	338.1	1244	18.7	76	11.8	337.6	1259	17.7	73	10.7	333.2	1243	18.5	76	11.7	337.1	1249	875			
900	18.8	95	14.5	342.3	1002	20.7	70	12.0	337.7	1015	18.8	68	10.4	331.1	1001	20.2	73	12.2	337.7	1006	900			
925	20.1	91	14.7	341.7	765	21.9	72	13.0	339.2	777	19.9	64	10.1	328.9	765	22.2	69	12.7	338.7	768	925			
950	21.5	87	14.9	341.1	533	22.9	79	14.9	342.9	545	21.2	62	10.4	328.5	534	23.9	67	13.3	339.8	534	950			
975	22.7	83	14.9	340.3	307	25.1	80	16.7	348.2	316	23.2	67	12.3	333.6	308	24.8	74	15.2	343.5	306	975			
1000	25.6	77	16.2	344.9	85	27.1	82	18.8	353.8	92	25.2	63	12.8	335.0	86	25.7	81	17.1	347.4	83	1000			
SFC.	27.2	75	17.1	348.3	0	28.0	82	19.7	356.3	0	31.0	74	21.2	364.8	0	26.0	84	17.9	348.9	0	SFC.			
	SURFACE PRESSURE				1009.6		SURFACE PRESSURE				1010.4		SURFACE PRESSURE				1009.7		SURFACE PRESSURE				1009.4	

A-178



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/12 12 5 GMT						4/13 0 8 GMT						4/13 535 GMT						4/13 1154 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-66.3	0	0.0	462.5	19406	-67.0	0	0.0	460.9	19474	-67.8	0	0.0	459.2	19436	-63.1	25	.0	469.9	19418	60		
70	-70.0	0	0.0	434.7	18482	-69.1	0	0.0	436.6	18548	-72.8	25	.0	428.6	18521	-73.9	25	.0	426.3	18494	70		
80	-78.8	20	.0	400.2	17711	-75.9	0	0.0	406.2	17763	-76.3	25	.0	405.3	17745	-76.1	25	.0	405.8	17719	80		
90	-80.5	20	.0	383.6	17043	-78.6	20	.0	387.4	17090	-79.4	25	.0	385.7	17071	-78.5	25	.0	387.6	17043	90		
100	-79.9	20	.0	373.4	16450	-79.6	20	.0	374.0	16491	-82.2	25	.0	368.9	16478	-81.7	25	.0	369.9	16447	100		
110	-78.4	20	.0	366.1	15909	-76.8	20	.0	369.1	15946	-79.4	25	.0	364.3	15941	-79.4	25	.0	364.3	15910	110		
120	-77.1	20	.0	359.6	15411	-76.2	20	.0	361.1	15445	-76.8	25	.0	360.0	15444	-75.7	25	.0	362.0	15411	120		
130	-75.8	20	.0	353.7	14950	-75.1	20	.0	354.9	14983	-74.5	25	.0	356.1	14981	-72.8	25	.0	359.1	14945	130		
140	-72.5	20	.0	352.1	14518	-72.0	20	.0	353.0	14550	-72.3	25	.0	352.5	14547	-72.3	25	.0	352.4	14511	140		
150	-69.2	20	.0	350.9	14109	-69.1	20	.0	351.1	14141	-69.0	24	.0	351.2	14138	-69.5	25	.0	350.3	14102	150		
160	-66.1	20	.0	349.7	13721	-66.4	20	.0	349.3	13752	-66.0	24	.0	349.9	13750	-66.9	25	.0	348.3	13715	160		
170	-63.2	20	.0	348.5	13351	-63.4	20	.0	348.3	13383	-63.2	23	.0	348.7	13379	-64.5	25	.0	346.4	13346	170		
180	-60.5	20	.0	347.4	12997	-60.4	19	.0	347.6	13029	-60.5	23	.0	347.4	13026	-61.7	24	.0	345.4	12995	180		
190	-57.5	20	.0	346.8	12658	-57.5	18	.0	346.8	12690	-57.9	23	.0	346.2	12687	-58.8	25	.0	344.7	12658	190		
200	-54.5	19	.0	346.6	12332	-54.7	18	.0	346.3	12364	-55.5	22	.0	345.0	12362	-56.0	26	.0	344.2	12334	200		
225	-47.9	18	.0	345.3	11566	-47.7	18	.0	345.7	11598	-48.7	22	.0	344.1	11600	-49.5	28	.1	342.9	11573	225		
250	-44.2	19	.1	340.6	10865	-41.4	18	.1	344.9	10893	-42.2	22	.1	343.7	10897	-43.7	30	.1	341.6	10874	250		
275	-38.3	17	.1	340.1	10218	-37.2	18	.1	341.8	10240	-36.5	22	.1	342.9	10244	-38.4	32	.2	340.2	10226	275		
300	-32.9	16	.1	339.5	9613	-32.5	18	.1	340.3	9633	-32.6	19	.2	340.1	9636	-33.3	25	.2	339.2	9622	300		
325	-28.0	14	.2	338.8	9044	-27.6	17	.2	339.5	9063	-28.3	18	.2	338.6	9067	-28.5	17	.2	338.2	9054	325		
350	-24.4	14	.2	336.8	8508	-23.1	17	.3	338.7	8525	-24.1	17	.3	337.3	8531	-24.2	15	.2	337.1	8518	350		
375	-21.1	15	.3	334.7	8002	-20.0	17	.4	336.6	8017	-20.3	16	.3	336.1	8024	-20.5	14	.3	335.6	8011	375		
400	-18.1	15	.3	332.8	7522	-17.1	17	.4	334.4	7535	-16.7	16	.4	334.9	7543	-17.0	14	.4	334.3	7530	400		
425	-13.8	14	.4	332.9	7066	-13.9	19	.6	333.2	7078	-13.0	16	.5	334.4	7083	-13.6	14	.4	333.1	7072	425		
450	-12.4	26	.8	330.8	6630	-11.0	20	.7	332.2	6641	-10.8	20	.7	332.4	6646	-11.6	18	.6	331.1	6636	450		
475	-9.9	33	1.3	330.2	6215	-8.2	22	.9	331.3	6224	-8.7	23	1.0	330.7	6229	-9.6	22	.9	329.2	6220	475		
500	-7.8	24	1.0	327.2	5818	-6.6	23	1.1	328.9	5824	-6.7	26	1.2	329.2	5830	-7.7	26	1.1	327.5	5822	500		
525	-6.8	40	1.7	326.2	5438	-4.7	25	1.3	327.3	5442	-4.8	29	1.5	327.8	5447	-5.7	27	1.3	326.0	5442	525		
550	-4.7	61	3.0	328.2	5073	-2.3	26	1.6	326.8	5074	-2.9	37	2.1	327.8	5080	-2.7	17	1.0	324.3	5075	550		
575	-2.0	59	3.4	328.6	4721	-.1	38	2.5	328.3	4719	-.4	57	3.6	331.4	4726	-.5	36	2.3	327.0	4721	575		
600	1.5	37	2.6	326.4	4381	2.2	37	2.8	327.8	4377	2.1	47	3.5	329.9	4384	1.7	42	3.0	328.0	4379	600		
625	3.5	33	2.6	325.0	4050	4.3	35	2.9	327.1	4046	4.6	41	3.5	329.2	4052	4.1	27	2.2	324.4	4049	625		
650	5.2	32	2.7	323.8	3731	6.4	34	3.1	326.4	3726	7.1	36	3.4	328.2	3731	6.5	32	3.0	326.1	3729	650		
675	6.7	32	2.9	322.6	3422	8.4	32	3.3	325.7	3415	8.7	41	4.2	329.0	3420	7.9	34	3.4	325.4	3418	675		
700	8.5	41	4.0	324.7	3122	9.6	38	4.1	326.1	3114	9.5	35	3.7	325.0	3118	9.0	34	3.5	323.5	3117	700		
725	10.6	30	3.3	321.7	2831	10.7	45	5.0	326.8	2822	10.8	43	4.9	326.6	2826	9.8	46	4.8	325.1	2826	725		
750	12.4	28	3.3	320.7	2548	11.8	51	5.9	327.6	2538	11.8	39	4.5	323.5	2543	11.6	36	4.1	321.9	2544	750		
775	14.1	26	3.3	319.6	2273	13.4	50	6.2	327.2	2263	12.7	35	4.2	320.5	2269	13.8	31	3.9	321.1	2269	775		
800	15.4	32	4.4	321.3	2004	15.1	47	6.3	326.3	1995	14.7	35	4.6	321.1	2001	16.0	26	3.7	320.0	2000	800		
825	13.5	87	10.3	332.9	1743	16.7	43	6.2	325.2	1734	17.4	37	5.5	323.9	1740	17.6	32	4.8	322.2	1738	825		
850	14.3	97	11.8	335.1	1491	16.4	53	7.3	325.1	1479	19.7	39	6.7	327.1	1484	17.2	36	5.2	320.0	1483	850		
875	16.0	96	12.6	336.3	1244	17.4	58	8.3	326.3	1231	17.1	69	9.8	330.1	1235	15.5	96	12.3	335.0	1237	875		
900	17.5	95	13.3	337.5	1003	18.7	61	9.2	327.6	990	18.2	79	11.6	333.7	994	17.7	86	12.3	335.0	996	900		
925	19.0	93	14.1	338.7	768	19.9	64	10.2	329.1	754	19.3	88	13.6	337.5	758	19.5	82	12.7	335.5	760	925		
950	20.4	93	15.0	340.0	537	21.1	67	11.2	330.7	523	20.6	94	15.2	341.0	527	20.5	87	14.1	337.9	529	950		
975	22.3	92	16.3	343.2	311	22.3	70	12.3	332.5	297	22.7	88	15.8	342.6	300	22.6	88	15.8	342.3	303	975		
1000	24.5	91	18.0	348.2	89	24.4	74	14.4	338.2	76	24.8	84	16.8	345.3	78	24.8	88	17.6	347.5	81	1000		
SFC.	25.4	91	18.7	350.2	0	29.0	78	19.9	358.5	0	25.9	90	19.1	352.1	0	25.6	88	18.3	349.5	0	SFC.		
	SURFACE PRESSURE 1010.1					SURFACE PRESSURE 1008.6					SURFACE PRESSURE 1008.9					SURFACE PRESSURE 1009.2							

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/13 1714 GMT						4/13 2034 GMT					4/13 2235 GMT					4/14 140 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-62.9	0	0.0	470.1	19567	-64.5	0	0.0	466.5	19481	-65.8	0	0.0	463.6	19422	-65.7	0	0.0	463.9	19551	60	
70	-71.1	20	.0	432.4	18631	-71.3	0	0.0	431.9	18552	-76.1	0	0.0	421.6	18509	-75.4	0	0.0	423.1	18642	70	
80	-75.3	20	.0	407.6	17849	-73.5	0	0.0	411.2	17771	-74.2	0	0.0	409.7	17731	-77.1	0	0.0	403.8	17866	80	
90	-79.0	20	.0	386.7	17173	-77.8	0	0.0	389.0	17092	-78.8	20	.0	387.0	17054	-77.4	18	.0	389.8	17190	90	
100	-80.7	20	.0	371.8	16578	-80.6	21	.0	372.0	16496	-81.7	20	.0	369.9	16461	-80.5	18	.0	372.2	16590	100	
110	-77.6	20	.0	367.6	16036	-79.5	22	.0	364.0	15958	-79.2	20	.0	364.6	15923	-77.7	18	.0	367.4	16049	110	
120	-74.9	20	.0	33.7	15535	-76.2	22	.0	361.2	15460	-76.1	20	.0	361.4	15426	-75.2	19	.0	363.1	15548	120	
130	-72.3	20	.0	360.0	15067	-73.2	22	.0	358.5	14995	-72.3	20	.0	360.0	14959	-72.9	19	.0	359.0	15081	130	
140	-69.9	20	.0	356.6	14628	-71.3	22	.0	354.2	14559	-69.6	20	.0	357.1	14520	-70.7	19	.0	355.3	14644	140	
150	-67.7	20	.0	353.5	14215	-70.3	22	.0	349.0	14150	-68.0	20	.0	353.0	14107	-67.3	18	.0	354.2	14231	150	
160	-64.9	20	.0	351.7	13825	-67.0	22	.0	348.3	13763	-65.9	20	.0	350.2	13718	-64.1	18	.0	353.1	13839	160	
170	-62.3	20	.0	350.1	13453	-63.8	22	.0	347.5	13394	-62.9	20	.0	349.1	13347	-61.1	17	.0	352.0	13465	170	
180	-59.6	20	.0	348.9	13097	-60.9	21	.0	346.7	13042	-60.1	19	.0	348.0	12993	-58.3	17	.0	350.9	13108	180	
190	-56.5	20	.0	348.4	12757	-58.1	21	.0	345.9	12703	-57.5	19	.0	346.9	12653	-55.6	17	.0	349.9	12766	190	
200	-53.7	19	.0	347.9	12429	-55.5	21	.0	345.0	12378	-54.9	19	.0	345.9	12327	-53.1	16	.0	348.8	12437	200	
225	-47.1	19	.0	346.6	11661	-48.7	20	.0	344.1	11616	-48.3	19	.0	344.6	11564	-46.7	16	.0	347.1	11667	225	
250	-41.2	18	.1	345.2	10954	-42.4	19	.1	343.3	10914	-42.2	18	.1	343.7	10861	-40.9	17	.1	345.5	10959	250	
275	-35.8	18	.1	343.8	10299	-37.7	20	.1	341.0	10262	-37.2	18	.1	341.7	10209	-35.4	16	.1	344.5	10304	275	
300	-30.9	18	.2	342.5	9688	-32.9	21	.2	339.7	9657	-32.0	18	.2	340.9	9601	-31.0	17	.2	342.4	9692	300	
325	-26.5	17	.2	341.2	9115	-28.3	20	.2	338.6	9089	-28.0	18	.2	339.0	9032	-26.5	16	.2	341.0	9119	325	
350	-22.4	17	.3	339.8	8575	-23.3	16	.3	338.5	8552	-23.1	17	.3	338.8	8495	-21.4	14	.3	341.1	8578	350	
375	-18.6	16	.4	338.5	8064	-19.3	16	.4	337.4	8043	-19.4	16	.4	337.3	7985	-17.7	14	.4	339.6	8066	375	
400	-15.1	16	.5	337.2	7580	-15.8	17	.5	336.3	7560	-15.6	16	.5	336.5	7502	-14.2	14	.4	338.3	7580	400	
425	-12.1	16	.6	335.6	7119	-14.0	18	.5	333.0	7101	-13.0	17	.6	334.4	7042	-12.9	16	.5	334.4	7119	425	
450	-9.2	16	.7	334.2	6679	-11.5	18	.6	331.1	6665	-10.9	18	.7	332.0	6605	-9.8	16	.6	333.4	6680	450	
475	-6.5	16	.8	332.8	6259	-8.4	18	.8	330.4	6248	-8.0	19	.8	331.1	6188	-6.7	16	.8	332.5	6261	475	
500	-5.6	19	.9	329.6	5857	-7.2	23	1.0	327.8	5849	-6.2	20	.9	328.9	5787	-4.0	16	.9	331.6	5858	500	
525	-3.1	18	1.0	328.4	5473	-5.0	25	1.3	326.8	5468	-4.5	21	1.1	326.8	5405	-2.5	22	1.3	330.1	5472	525	
550	-.5	17	1.1	327.4	5103	-2.8	27	1.5	326.1	5100	-2.2	21	1.2	325.8	5037	-.2	20	1.4	328.7	5102	550	
575	1.9	15	1.2	326.4	4747	-.6	29	1.9	325.6	4747	-.1	22	1.4	324.9	4683	2.0	18	1.4	327.2	4745	575	
600	3.8	29	2.4	328.7	4402	1.5	32	2.2	325.3	4405	1.8	36	2.6	326.9	4341	4.2	26	2.2	328.4	4400	600	
625	5.6	26	2.4	326.8	4070	3.5	33	2.6	325.0	4075	4.1	29	2.3	324.9	4010	6.2	28	2.7	328.4	4067	625	
650	7.3	21	2.1	324.2	3748	6.0	24	2.1	322.8	3756	6.2	22	2.0	322.6	3690	8.3	19	2.0	325.1	3744	650	
675	8.6	29	3.0	325.0	3437	7.5	31	2.9	323.6	3446	7.7	26	2.5	322.6	3380	9.7	29	3.2	326.9	3432	675	
700	9.8	39	4.3	326.9	3136	8.8	40	4.0	325.1	3145	9.2	34	3.5	323.8	3080	11.0	38	4.5	328.9	3129	700	
725	11.3	38	4.4	325.9	2843	10.4	44	4.8	325.9	2854	11.1	36	4.1	324.7	2788	12.3	45	5.5	330.3	2836	725	
750	13.1	25	3.1	320.9	2559	12.5	38	4.6	324.7	2571	13.1	35	4.4	324.7	2504	14.0	33	4.4	325.6	2551	750	
775	15.5	23	3.2	320.8	2283	14.6	33	4.4	323.2	2295	15.0	31	4.3	323.7	2227	15.9	28	4.0	323.7	2273	775	
800	17.8	21	3.3	320.6	2013	16.6	27	4.0	321.4	2026	16.9	28	4.2	322.5	1958	17.7	27	4.3	323.7	2003	800	
825	18.9	22	3.6	320.1	1749	18.5	30	4.9	323.3	1763	18.1	30	4.7	322.3	1695	18.7	33	5.4	325.0	1740	825	
850	14.8	99	12.4	337.2	1497	18.0	48	7.3	326.8	1507	14.5	74	9.0	327.5	1441	18.1	48	7.4	327.5	1484	850	
875	16.7	97	13.4	339.3	1250	16.4	62	8.4	325.3	1260	16.3	70	9.4	328.0	1195	19.1	57	9.0	330.3	1235	875	
900	18.5	95	14.3	341.5	1008	17.7	67	9.5	327.2	1019	18.1	67	9.8	328.5	954	20.4	60	10.2	332.3	992	900	
925	20.3	93	15.4	343.7	771	18.9	72	10.7	329.2	784	19.4	70	10.8	330.2	718	21.5	61	10.7	332.4	754	925	
950	22.1	92	16.4	346.0	539	20.1	76	11.9	331.4	554	20.4	76	12.3	332.7	488	22.5	68	12.3	335.4	522	950	
975	23.8	90	17.4	348.3	311	24.2	75	14.8	341.8	327	22.3	73	12.8	333.9	262	24.0	69	13.5	337.8	295	975	
1000	25.4	89	18.5	350.7	88	28.2	74	18.2	353.6	103	24.2	69	13.2	334.9	41	27.1	77	17.8	351.2	72	1000	
SFC.	26.1	88	18.9	351.6	0	30.0	74	19.9	359.6	0	30.0	73	19.8	360.0	0	29.0	88	22.5	365.9	0	SFC.	
				SURFACE PRESSURE	1010.0				SURFACE PRESSURE	1011.6				SURFACE PRESSURE	1004.6				SURFACE PRESSURE	1008.1		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/14 512 GMT						4/14 1211 GMT					4/14 1530 GMT					4/14 18 0 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-64.0	25	.0	467.8	19376	0.0	0	0.0	0.0	0	-64.8	0	0.0	465.9	19526	-63.5	0	0.0	468.8	19549	60	
70	-73.6	24	.0	427.1	18453	0.0	0	0.0	0.0	0	-73.5	20	.0	427.2	18595	-72.1	0	0.0	430.1	18619	70	
80	-76.7	24	.0	404.5	17680	0.0	0	0.0	0.0	0	-78.6	20	.0	400.7	17827	-74.7	15	.0	408.6	17841	80	
90	-78.8	25	.0	387.0	17010	0.0	0	0.0	0.0	0	-78.6	20	.0	387.4	17153	-78.0	16	.0	388.7	17161	90	
100	-83.6	25	.0	366.2	16415	0.0	0	0.0	0.0	0	-80.5	20	.0	372.2	16560	-81.7	16	.0	369.9	16569	100	
110	-81.1	25	.0	361.0	15882	0.0	0	0.0	0.0	0	-79.3	20	.0	364.5	16021	-79.4	16	.0	364.2	16031	110	
120	-78.9	25	.0	356.3	15390	0.0	0	0.0	0.0	0	-77.1	20	.0	359.6	15525	-77.4	16	.0	359.1	15535	120	
130	-76.8	25	.0	352.0	14932	0.0	0	0.0	0.0	0	-73.5	20	.0	358.0	15061	-74.6	16	.0	355.9	15073	130	
140	-74.0	25	.0	349.5	14503	0.0	0	0.0	0.0	0	-70.1	20	.0	356.3	14624	-71.1	16	.0	354.6	14639	140	
150	-70.6	24	.0	348.6	14098	0.0	0	0.0	0.0	0	-66.9	20	.0	354.8	14210	-67.9	16	.0	353.2	14227	150	
160	-67.4	24	.0	347.6	13712	0.0	0	0.0	0.0	0	-63.8	20	.0	353.6	13818	-64.9	16	.0	351.8	13836	160	
170	-64.4	24	.0	346.6	13344	0.0	0	0.0	0.0	0	-60.9	20	.0	352.4	13443	-62.1	15	.0	350.5	13464	170	
180	-61.5	24	.0	345.7	12992	0.0	0	0.0	0.0	0	-58.1	19	.0	351.2	13086	-59.4	15	.0	349.1	13109	180	
190	-58.8	23	.0	344.7	12655	0.0	0	0.0	0.0	0	-55.5	19	.0	350.0	12743	-56.9	15	.0	347.9	12768	190	
200	-56.3	23	.0	343.7	12331	0.0	0	0.0	0.0	0	-53.1	19	.0	348.9	12414	-54.5	15	.0	346.6	12441	200	
225	-49.6	22	.0	342.7	11571	0.0	0	0.0	0.0	0	-47.0	19	.0	346.6	11645	-47.9	14	.0	345.3	11677	225	
250	-43.5	21	.1	341.7	10872	0.0	0	0.0	0.0	0	-41.2	18	.1	345.1	10939	-41.3	14	.1	345.0	10971	250	
275	-38.0	20	.1	340.7	10223	-35.8	M	M	M	10287	-35.9	18	.1	343.6	10284	-35.4	13	.1	344.3	10316	275	
300	-32.9	20	.2	339.6	9617	-31.1	13	.1	342.1	9676	-31.1	17	.2	342.2	9673	-30.6	13	.1	342.9	9704	300	
325	-28.3	19	.2	338.6	9049	-26.7	13	.2	340.6	9103	-26.7	16	.2	340.8	9101	-26.1	13	.2	341.4	9130	325	
350	-24.0	18	.3	337.5	8513	-22.7	13	.2	339.1	8564	-22.6	16	.3	339.5	8561	-22.0	12	.2	340.0	8589	350	
375	-20.0	18	.4	336.5	8005	-18.6	13	.3	338.1	8054	-18.7	15	.4	338.2	8051	-18.2	12	.3	338.7	8078	375	
400	-16.3	17	.5	335.6	7523	-14.8	12	.4	337.2	7569	-15.2	15	.4	337.0	7567	-14.6	12	.4	337.5	7592	400	
425	-14.0	20	.6	333.3	7065	-12.5	13	.5	334.7	7108	-12.8	16	.5	334.6	7106	-12.1	12	.4	335.2	7131	425	
450	-11.8	23	.8	331.3	6629	-10.7	14	.5	331.8	6670	-10.5	16	.6	332.3	6668	-9.6	12	.5	333.0	6692	450	
475	-9.8	26	1.0	329.4	6213	-7.6	13	.6	330.8	6252	-7.8	15	.7	330.9	6250	-7.4	13	.6	331.0	6273	475	
500	-7.8	28	1.2	327.8	5816	-4.8	13	.7	329.8	5851	-5.1	14	.7	329.5	5849	-5.2	13	.7	329.2	5872	500	
525	-5.7	31	1.5	326.6	5435	-4.4	20	1.0	326.9	5467	-3.8	29	1.6	329.4	5465	-4.5	17	.9	326.2	5488	525	
550	-3.5	33	1.8	326.1	5069	-2.0	29	1.8	327.8	5098	-2.1	29	1.7	327.4	5097	-1.6	18	1.1	326.1	5119	550	
575	-1.3	36	2.2	325.8	4716	-.5	41	2.6	328.1	4744	-.3	22	1.4	324.6	4742	1.3	19	1.4	326.4	4764	575	
600	.1	53	3.4	327.3	4376	1.0	42	2.9	326.7	4413	1.5	47	3.3	328.7	4401	2.3	30	2.2	326.3	4420	600	
625	2.0	33	2.3	322.4	4047	3.5	27	2.1	323.6	4073	4.3	23	1.9	323.8	4070	4.6	24	2.1	324.7	4090	625	
650	4.2	38	3.0	323.5	3730	5.5	37	3.2	325.7	3753	5.2	25	2.1	321.9	3750	5.7	19	1.7	321.0	3769	650	
675	6.4	42	3.8	324.7	3421	7.3	47	4.5	328.0	3444	7.4	32	3.0	323.7	3441	7.6	24	2.3	321.7	3460	675	
700	8.4	47	4.6	326.3	3121	9.5	39	4.1	326.1	3143	9.5	38	4.0	325.8	3140	9.8	29	3.1	323.5	3159	700	
725	10.4	51	5.5	328.1	2830	11.8	46	5.5	329.6	2851	11.6	44	5.2	328.4	2848	11.9	34	4.1	325.5	2866	725	
750	12.3	50	5.9	328.2	2547	14.1	42	5.7	329.5	2566	13.6	43	5.6	328.9	2563	13.9	36	4.7	326.4	2582	750	
775	14.1	42	5.4	325.7	2271	16.0	37	5.5	328.1	2288	15.6	36	5.1	326.7	2286	15.7	25	3.7	322.4	2305	775	
800	15.8	34	4.8	323.0	2002	17.8	33	5.2	326.5	2017	17.6	28	4.5	324.1	2016	17.4	24	3.7	321.5	2035	800	
825	16.9	40	5.8	324.2	1740	18.1	41	6.5	327.5	1754	18.0	40	6.2	326.7	1753	18.8	29	4.8	323.6	1771	825	
850	17.1	53	7.7	326.9	1485	16.6	81	11.3	336.5	1499	15.2	98	12.6	338.3	1498	17.3	63	9.3	331.8	1515	850	
875	15.4	80	10.2	329.0	1239	17.1	93	13.1	339.1	1251	17.1	90	12.7	338.0	1250	16.5	82	11.2	333.0	1268	875	
900	16.9	87	11.8	332.4	998	18.3	94	13.9	340.1	1009	18.9	83	12.7	337.3	1008	18.3	79	11.7	334.0	1027	900	
925	19.3	85	13.0	336.1	763	19.9	94	14.9	342.0	772	20.5	78	12.9	337.4	772	20.3	75	12.2	335.0	790	925	
950	21.7	83	14.3	339.9	532	21.5	93	16.0	344.2	541	21.9	82	14.5	340.5	540	22.2	72	12.8	336.5	559	950	
975	24.0	81	15.7	343.9	305	23.0	93	17.1	346.5	314	23.2	86	16.1	343.9	313	24.3	76	15.1	342.7	331	975	
1000	26.2	79	17.1	347.9	81	24.6	92	18.2	348.9	91	24.5	90	17.8	347.5	90	26.3	81	17.6	349.5	108	1000	
SFC.	27.0	78	17.6	349.5	0	25.2	92	18.7	349.9	0	25.0	92	18.5	349.0	0	27.2	83	19.0	353.1	0	SFC.	
				SURFACE PRESSURE	1009.2				SURFACE PRESSURE	1010.4				SURFACE PRESSURE	1010.3				SURFACE PRESSURE	1012.2		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/14 2350 GMT					4/15 6 6 GMT					4/15 1155 GMT					4/15 17 0 GMT					P		
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-58.9	0	0.0	479.1	19606	-61.8	0	0.0	472.6	19509	-61.9	0	0.0	472.3	19474	-64.3	0	0.0	467.0	19540	60	
70	-69.0	0	0.0	436.9	18662	-70.0	20	.0	434.7	18578	-68.3	0	0.0	438.3	18528	-63.5	0	0.0	448.5	18589	70	
80	-73.2	23	.0	411.7	17874	-79.7	20	.0	398.3	17806	-76.9	0	0.0	404.3	17746	-75.3	17	.0	407.4	17789	80	
90	-75.2	23	.0	394.1	17188	-79.1	20	.0	386.4	17139	-78.7	0	0.0	387.2	17075	-77.9	17	.0	388.9	17116	90	
100	-80.0	23	.0	373.2	16586	-79.8	20	.0	373.6	16542	-80.0	0	0.0	373.2	16474	-78.0	17	.0	377.1	16512	100	
110	-80.0	23	.0	363.2	16048	-79.2	20	.0	364.7	16001	-81.4	0	0.0	360.4	15937	-80.4	18	.0	362.4	15970	110	
120	-77.3	24	.0	359.3	15552	-77.6	20	.0	358.6	15506	-79.1	0	0.0	355.9	15446	-77.6	17	.0	358.6	15475	120	
130	-73.9	24	.0	357.2	15089	-74.0	20	.0	357.0	15043	-75.8	0	0.0	353.7	14988	-74.6	17	.0	356.0	15014	130	
140	-70.6	23	.0	355.4	14653	-70.6	19	.0	355.5	14607	-72.7	0	0.0	351.7	14556	-71.4	17	.0	354.1	14579	140	
150	-67.6	23	.0	353.7	14241	-67.4	19	.0	354.0	14195	-69.9	0	0.0	349.7	14148	-68.4	17	.0	352.3	14169	150	
160	-64.4	23	.0	352.6	13850	-64.5	19	.0	352.5	13803	-66.6	0	0.0	348.8	13761	-65.6	17	.0	350.6	13779	160	
170	-61.4	22	.0	351.6	13476	-61.9	19	.0	350.8	13430	-63.5	0	0.0	348.0	13391	-62.7	17	.0	349.3	13408	170	
180	-58.5	22	.0	350.6	13119	-59.5	19	.0	349.1	13075	-60.6	0	0.0	347.1	13038	-59.8	17	.0	348.5	13054	180	
190	-55.8	22	.0	349.6	12777	-57.2	19	.0	347.4	12734	-57.8	0	0.0	346.2	12699	-57.0	16	.0	347.7	12713	190	
200	-53.2	21	.0	348.6	12449	-54.8	19	.0	346.1	12408	-55.2	0	0.0	345.4	12374	-54.3	16	.0	346.9	12387	200	
225	-47.0	21	.1	346.7	11680	-47.9	18	.0	345.3	11643	-49.1	0	0.0	343.3	11612	-47.8	16	.0	345.4	11621	225	
250	-41.1	20	.1	345.4	10973	-41.7	17	.1	344.3	10939	-42.7	0	0.0	342.6	10911	-41.8	15	.1	344.2	10916	250	
275	-35.5	20	.1	344.4	10317	-36.2	16	.1	343.3	10285	-36.7	M	M	M	10259	-36.4	15	.1	342.9	10263	275	
300	-30.4	20	.2	343.4	9705	-31.1	15	.1	342.2	9675	-32.6	M	M	M	9650	-31.4	14	.1	341.7	9653	300	
325	-25.8	20	.3	342.3	9131	-26.8	15	.2	340.5	9102	-27.6	M	M	M	9081	-27.8	13	.2	339.0	9083	325	
350	-21.8	20	.4	340.8	8589	-23.0	14	.2	338.8	8563	-24.3	M	M	M	8544	-24.3	14	.2	336.9	8546	350	
375	-18.1	19	.5	339.4	8078	-19.4	14	.3	337.1	8054	-20.8	M	M	M	8038	-20.5	14	.3	335.6	8040	375	
400	-14.7	19	.6	338.1	7592	-16.1	14	.4	335.6	7571	-17.6	M	M	M	7558	-17.2	13	.3	333.9	7559	400	
425	-11.7	19	.7	336.6	7131	-13.4	14	.5	333.6	7113	-14.2	M	M	M	7101	-14.3	14	.4	332.2	7102	425	
450	-9.0	19	.8	335.0	6690	-10.8	15	.6	331.7	6675	-11.7	M	M	M	6666	-11.6	14	.5	330.5	6666	450	
475	-7.0	20	1.0	332.8	6270	-8.4	15	.7	330.0	6258	-8.9	M	M	M	6249	-9.0	15	.6	329.0	6250	475	
500	-5.1	22	1.1	330.8	5869	-6.1	16	.8	328.4	5858	-6.3	M	M	M	5851	-6.6	15	.7	327.6	5851	500	
525	-3.7	33	1.8	330.3	5485	-4.2	17	.9	326.5	5475	-3.8	M	M	M	5467	-4.2	16	.8	326.3	5468	525	
550	-1.1	32	2.1	329.9	5115	-3.1	43	2.4	328.3	5108	-3.0	25	1.4	325.3	5099	-3.6	35	1.9	326.1	5101	550	
575	1.8	28	2.1	329.2	4759	.6	18	1.2	325.0	4754	.2	14	1.0	323.6	4745	-.7	27	1.7	325.0	4747	575	
600	3.4	29	2.4	328.0	4415	2.3	20	1.5	324.0	4411	1.8	14	1.0	321.6	4403	2.1	20	1.5	323.6	4406	600	
625	4.8	32	2.7	326.9	4083	3.6	32	2.5	324.8	4081	3.6	13	1.0	320.1	4073	3.3	29	2.2	323.6	4076	625	
650	6.8	30	2.8	326.0	3762	5.6	29	2.6	323.7	3761	5.7	10	.9	318.5	3754	5.9	24	2.1	322.8	3757	650	
675	8.8	28	2.9	325.0	3451	7.6	27	2.6	322.7	3452	6.5	33	3.0	322.5	3445	6.2	38	3.3	323.3	3447	675	
700	10.8	30	3.5	325.7	3149	9.5	25	2.6	321.6	3151	9.0	25	2.6	320.9	3146	7.9	43	4.0	323.9	3149	700	
725	12.7	35	4.5	327.6	2855	11.2	26	3.0	321.4	2859	11.9	13	1.6	317.9	2854	10.8	38	4.2	324.6	2858	725	
750	14.6	38	5.3	329.0	2570	12.6	42	5.2	326.5	2576	13.5	17	2.1	318.3	2570	12.9	36	4.4	324.5	2574	750	
775	16.4	35	5.2	328.0	2292	14.5	41	5.4	326.2	2299	13.9	19	2.4	316.5	2293	14.0	37	4.8	323.7	2298	775	
800	18.0	38	6.2	329.6	2021	16.1	47	6.7	328.7	2030	11.3	32	3.3	313.4	2028	15.0	45	6.0	325.3	2030	800	
825	18.5	43	7.0	329.5	1757	17.4	57	8.6	332.8	1768	13.9	79	9.7	331.6	1770	15.8	78	10.7	336.6	1768	825	
850	18.6	47	7.4	328.0	1501	18.1	56	8.6	330.7	1512	16.4	92	12.8	340.4	1516	16.9	62	8.9	330.2	1514	850	
875	17.9	68	10.0	331.7	1252	17.2	92	13.1	339.4	1264	18.0	91	13.7	341.8	1267	17.7	71	10.4	332.6	1266	875	
900	19.8	66	10.7	333.0	1010	18.9	92	14.2	341.6	1021	19.5	91	14.6	343.3	1025	18.7	79	11.9	335.1	1024	900	
925	21.7	64	11.3	334.3	772	20.6	92	15.3	343.9	784	21.0	90	15.5	344.9	787	20.2	82	13.3	338.0	787	925	
950	23.5	63	12.2	336.2	540	22.2	91	16.4	346.4	552	22.4	90	16.4	346.5	554	21.6	85	14.8	341.1	555	950	
975	24.9	68	13.9	340.1	312	23.8	91	17.6	348.9	324	23.8	90	17.3	348.1	327	23.1	88	16.3	344.4	329	975	
1000	26.3	72	15.7	344.3	88	25.3	91	18.8	351.5	101	25.2	89	18.3	349.8	104	24.4	92	17.9	347.9	106	1000	
SFC.	27.8	75	17.7	350.8	0	26.0	91	19.4	352.7	0	25.8	89	18.7	350.6	0	25.1	93	18.8	349.7	0	SFC.	
				SURFACE PRESSURE	1010.0				SURFACE PRESSURE	1011.5				SURFACE PRESSURE	1011.8				SURFACE PRESSURE	1012.1		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/15 1935 GMT						4/15 23 8 GMT				4/16 2 3 GMT					4/16 5 0 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	T	RH	W	EPT	H	P
60	-61.8	0	0.0	472.6	19635	-63.2	0	0.0	469.4	19623	-62.1	0	0.0	471.9	19566	-65.1	0	0.0	465.2	19507	60	
70	-63.6	0	0.0	448.3	18681	-67.1	0	0.0	441.0	18677	-63.7	0	0.0	448.2	18613	-65.3	0	0.0	444.7	18568	70	
80	-75.8	20	.0	406.5	17885	-77.6	16	.0	402.8	17894	-78.2	0	0.0	401.4	17822	-75.7	25	.0	406.6	17773	80	
90	-76.2	20	.0	392.2	17208	-75.9	17	.0	392.7	17217	-77.6	23	.0	389.5	17151	-79.0	25	.0	386.6	17103	90	
100	-76.0	20	.0	380.9	16599	-74.5	18	.0	383.8	16606	-76.8	22	.0	379.4	16546	-77.5	25	.0	378.0	16501	100	
110	-78.0	20	.0	367.0	16051	-77.8	18	.0	367.2	16056	-79.4	22	.0	364.3	16001	-79.7	25	.0	363.7	15961	110	
120	-76.4	20	.0	360.8	15553	-77.2	18	.0	359.3	15560	-76.6	23	.0	360.4	15504	-77.9	25	.0	358.1	15466	120	
130	-73.6	20	.0	357.7	15089	-74.3	17	.0	356.5	15097	-73.9	23	.0	357.1	15040	-76.2	25	.0	353.0	15006	130	
140	-70.8	20	.0	355.2	14653	-70.9	17	.0	354.9	14662	-70.8	23	.0	355.2	14605	-72.9	25	.0	351.3	14575	140	
150	-67.8	20	.0	353.3	14241	-67.7	17	.0	353.5	14250	-67.8	22	.0	353.3	14193	-69.5	24	.0	350.4	14167	150	
160	-65.1	20	.0	351.4	13850	-64.6	17	.0	352.2	13859	-65.0	22	.0	351.5	13802	-66.3	24	.0	349.5	13779	160	
170	-62.2	20	.0	350.2	13478	-61.7	17	.0	351.1	13486	-62.5	22	.0	349.8	13430	-63.2	23	.0	348.5	13409	170	
180	-59.2	20	.0	349.5	13123	-58.8	17	.0	350.2	13130	-59.5	22	.0	349.0	13075	-60.3	23	.0	347.6	13055	180	
190	-56.3	20	.0	348.8	12782	-56.0	17	.0	349.3	12788	-56.7	21	.0	348.2	12735	-57.6	23	.0	346.6	12716	190	
200	-53.5	19	.0	348.1	12454	-53.4	17	.0	348.3	12460	-54.0	21	.0	347.4	12407	-55.1	22	.0	345.7	12391	200	
225	-47.2	19	.0	346.3	11685	-46.9	16	.0	346.8	11691	-47.6	20	.0	345.7	11641	-48.4	21	.0	344.6	11627	225	
250	-41.2	18	.1	345.1	10979	-40.8	16	.1	345.7	10983	-41.6	19	.1	344.6	10935	-42.1	19	.1	343.8	10924	250	
275	-35.8	17	.1	343.9	10324	-35.3	15	.1	344.6	10327	-36.1	18	.1	343.4	10281	-36.4	17	.1	343.0	10271	275	
300	-30.8	16	.2	342.7	9713	-30.2	14	.1	343.4	9714	-31.1	17	.2	342.2	9671	-31.5	16	.1	341.5	9662	300	
325	-26.2	15	.2	341.4	9139	-25.6	14	.2	342.2	9139	-26.6	17	.2	341.0	9098	-27.2	15	.2	340.0	9090	325	
350	-23.1	16	.3	338.7	8599	-21.3	13	.3	341.1	8597	-22.3	16	.3	339.9	8559	-23.2	15	.3	338.5	8552	350	
375	-19.5	16	.4	337.1	8091	-19.1	15	.3	337.7	8087	-20.1	28	.6	337.2	8049	-20.6	41	.8	337.4	8044	375	
400	-16.0	16	.4	335.9	7608	-15.1	16	.5	337.2	7603	-15.7	19	.5	336.6	7567	-17.1	17	.4	334.4	7563	400	
425	-12.8	15	.5	334.4	7148	-12.6	13	.5	334.6	7142	-13.7	18	.6	333.5	7108	-14.3	17	.5	332.5	7106	425	
450	-10.8	16	.6	331.9	6711	-10.8	13	.5	331.5	6704	-11.9	17	.6	330.5	6672	-11.7	17	.6	330.8	6671	450	
475	-8.0	16	.7	330.7	6293	-8.0	13	.6	330.2	6287	-8.9	17	.7	329.5	6256	-9.3	18	.7	329.1	6254	475	
500	-4.7	15	.8	330.2	5892	-5.2	13	.7	329.2	5886	-6.1	17	.8	328.6	5857	-6.9	18	.8	327.6	5856	500	
525	-2.8	16	1.0	328.5	5507	-2.5	13	.8	328.3	5501	-3.4	17	1.0	327.7	5473	-4.7	20	1.0	326.5	5474	525	
550	-1.9	23	1.4	326.7	5138	-1.2	16	1.0	326.4	5131	-1.8	26	1.6	327.6	5104	-2.6	29	1.6	326.7	5106	550	
575	.6	22	1.5	326.0	4783	.6	18	1.2	325.0	4776	.3	25	1.7	326.2	4749	-.5	34	2.2	326.6	4752	575	
600	3.5	18	1.5	325.4	4440	2.9	17	1.3	324.2	4433	2.4	21	1.6	324.3	4407	1.5	33	2.3	325.7	4411	600	
625	4.5	20	1.7	323.3	4108	5.1	17	1.5	323.4	4101	4.4	27	2.3	325.1	4076	3.5	32	2.5	324.9	4081	625	
650	6.7	20	1.9	323.0	3788	7.3	16	1.6	322.6	3780	7.2	22	2.1	324.2	3755	5.5	32	2.7	324.1	3761	650	
675	7.7	34	3.3	324.8	3477	8.1	35	3.5	326.1	3469	7.6	34	3.3	324.9	3444	7.3	31	2.9	323.4	3452	675	
700	8.6	43	4.3	325.7	3177	9.1	51	5.2	329.0	3169	8.5	59	5.9	330.3	3144	8.3	59	5.8	329.6	3152	700	
725	11.1	36	4.1	324.7	2885	11.8	39	4.7	327.1	2876	10.9	42	4.7	326.3	2853	10.0	64	6.8	331.4	2861	725	
750	13.2	35	4.5	325.1	2601	14.4	28	3.8	324.4	2591	13.1	40	5.0	326.5	2569	12.1	59	7.0	331.0	2577	750	
775	15.3	35	4.9	325.5	2325	16.3	25	3.8	323.4	2314	15.3	37	5.2	326.6	2292	14.3	53	7.0	330.5	2301	775	
800	16.9	40	6.1	327.9	2055	17.4	41	6.5	329.7	2043	15.9	55	7.8	331.9	2022	15.6	59	8.3	332.9	2032	800	
825	17.7	57	8.8	333.8	1792	18.4	51	8.3	333.1	1780	17.4	51	7.8	330.4	1760	17.1	50	7.4	329.0	1770	825	
850	18.6	55	8.8	331.9	1536	19.5	43	7.2	328.4	1523	18.7	51	8.1	330.1	1504	17.8	61	9.3	332.2	1514	850	
875	18.8	66	10.3	333.6	1286	19.4	63	10.4	334.4	1273	19.0	66	10.5	334.2	1255	18.2	80	12.2	338.1	1266	875	
900	20.1	71	11.8	336.5	1044	20.7	66	11.2	335.6	1030	19.9	74	12.0	336.8	1012	19.5	87	13.9	341.4	1023	900	
925	22.2	73	13.4	340.6	806	21.8	68	12.1	336.8	792	21.1	76	13.1	338.5	774	21.2	86	14.9	343.4	785	925	
950	24.1	75	15.1	345.1	572	23.0	70	13.0	338.0	560	22.3	79	14.2	340.4	542	22.8	85	15.9	345.6	553	950	
975	26.0	76	16.9	349.9	343	24.8	70	14.4	341.4	332	24.5	79	15.8	344.9	315	24.4	85	16.9	347.8	325	975	
1000	27.9	78	18.8	355.0	118	26.8	71	16.0	345.6	108	27.7	77	18.3	353.2	91	25.9	84	18.0	350.1	101	1000	
SFC.	28.9	79	19.9	357.9	0	28.9	79	20.0	358.1	0	29.0	76	19.3	356.7	0	26.6	84	18.5	351.2	0	SFC.	
				SURFACE PRESSURE	1013.3				SURFACE PRESSURE	1012.2				SURFACE PRESSURE	1010.2				SURFACE PRESSURE	1011.5		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/16 1216 GMT						4/16 18 00 GMT					4/16 2345 GMT					4/17 550 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-64.8	0	0.0	466.0	19474	-65.1	0	0.0	465.2	19562	-63.4	0	0.0	469.0	19596	-67.4	0	0.0	460.1	19458	60	
70	-66.7	0	0.0	441.8	18536	-63.8	25	.0	448.1	18620	-67.0	22	.0	441.1	18658	-71.3	31	.0	431.9	18527	70	
80	-73.6	27	.0	411.0	17738	-72.5	26	.0	413.3	17818	-70.1	23	.0	418.2	17858	-73.8	31	.0	410.6	17746	80	
90	-78.6	27	.0	387.5	17063	-80.1	26	.0	384.4	17139	-78.2	23	.0	388.2	17176	-79.4	31	.0	385.8	17075	90	
100	-77.3	28	.0	378.4	16460	-76.9	27	.0	379.2	16538	-77.6	24	.0	377.8	16573	-79.2	31	.0	374.7	16477	100	
110	-79.8	28	.0	363.5	15918	-75.4	27	.0	371.8	15987	-74.8	24	.0	372.9	16023	-75.2	31	.0	372.2	15930	110	
120	-79.4	28	.0	355.4	15425	-77.1	27	.0	359.5	15488	-76.5	24	.0	360.6	15524	-77.0	31	.0	359.8	15431	120	
130	-76.3	27	.0	352.9	14968	-74.7	27	.0	355.7	15026	-74.1	24	.0	356.8	15060	-74.0	31	.0	356.9	14968	130	
140	-72.7	27	.0	351.8	14536	-71.6	27	.0	353.6	14592	-70.9	24	.0	354.9	14625	-71.3	30	.0	354.2	14533	140	
150	-69.4	27	.0	350.7	14128	-68.8	27	.0	351.7	14182	-67.9	24	.0	353.1	14213	-68.8	30	.0	351.7	14122	150	
160	-66.2	26	.0	349.5	13740	-66.1	27	.0	349.8	13793	-65.2	24	.0	351.3	13823	-66.1	30	.0	349.7	13734	160	
170	-63.3	26	.0	348.4	13370	-63.0	27	.0	348.9	13423	-62.6	24	.0	349.7	13451	-63.0	30	.0	348.9	13363	170	
180	-60.5	26	.0	347.3	13016	-60.1	27	.0	348.0	13069	-59.7	24	.0	348.6	13096	-60.1	30	.0	348.0	13009	180	
190	-57.9	26	.0	346.3	12678	-57.4	27	.0	347.1	12729	-56.9	23	.0	347.8	12756	-57.4	31	.0	347.1	12670	190	
200	-55.4	26	.0	345.2	12352	-54.8	26	.0	346.1	12403	-54.2	22	.0	347.0	12429	-54.8	31	.0	346.2	12344	200	
225	-49.0	24	.0	343.7	11590	-48.8	26	.1	343.9	11640	-48.1	21	.0	345.1	11663	-48.7	30	.1	344.1	11580	225	
250	-43.1	22	.1	342.4	10889	-42.7	25	.1	343.0	10938	-42.1	20	.1	343.9	10960	-43.3	29	.1	342.1	10879	250	
275	-37.7	20	.1	341.1	10240	-37.1	24	.1	342.1	10287	-36.5	19	.1	342.9	10307	-38.4	28	.1	340.2	10231	275	
300	-32.9	19	.2	339.7	9634	-32.0	22	.2	341.1	9679	-31.4	18	.2	341.9	9697	-33.8	36	.3	338.8	9626	300	
325	-28.4	17	.2	338.4	9065	-27.3	21	.3	340.1	9108	-26.7	17	.2	340.8	9125	-29.6	19	.2	336.7	9060	325	
350	-24.7	23	.3	336.8	8529	-22.9	19	.3	339.2	8570	-22.3	16	.3	339.8	8585	-25.0	16	.2	336.0	8527	350	
375	-22.1	30	.5	334.3	8026	-21.4	29	.5	335.4	8063	-20.7	30	.6	336.4	8077	-22.2	39	.7	334.8	8021	375	
400	-18.5	17	.4	332.4	7548	-17.4	24	.6	334.5	7583	-16.5	17	.4	335.3	7595	-18.7	24	.5	332.7	7544	400	
425	-15.0	13	.4	331.2	7092	-13.8	21	.6	333.7	7126	-13.2	16	.5	334.1	7137	-15.2	26	.7	332.2	7089	425	
450	-12.2	13	.4	329.5	6657	-10.4	18	.7	332.7	6689	-10.0	15	.6	332.9	6699	-11.6	12	.4	330.2	6654	450	
475	-10.1	14	.5	327.4	6243	-9.1	29	1.2	331.0	6271	-7.5	15	.7	331.2	6280	-9.9	14	.5	327.7	6238	475	
500	-6.9	13	.6	326.8	5845	-6.8	27	1.2	329.0	5872	-5.7	17	.8	329.1	5880	-7.6	16	.7	326.2	5841	500	
525	-4.7	15	.8	325.5	5463	-4.6	24	1.2	327.3	5490	-2.9	16	.9	328.2	5495	-5.5	17	.8	324.8	5460	525	
550	-3.1	18	1.0	323.9	5096	-2.9	29	1.6	326.2	5123	-.9	20	1.3	327.6	5125	-3.4	19	1.0	323.6	5094	550	
575	-1.6	35	2.1	325.1	4743	-.9	32	2.0	325.6	4769	.5	28	1.9	327.1	4770	-1.4	20	1.2	322.4	4741	575	
600	1.4	19	1.3	322.3	4402	1.6	32	2.2	325.4	4428	2.7	27	2.1	326.4	4427	.7	33	2.2	324.1	4401	600	
625	3.4	19	1.5	321.4	4073	3.9	31	2.5	325.3	4098	5.1	24	2.1	325.3	4095	2.9	21	1.6	321.1	4072	625	
650	5.3	22	1.9	321.3	3753	6.2	31	2.8	325.2	3778	7.3	20	2.0	324.0	3774	5.0	17	1.4	319.4	3753	650	
675	6.8	35	3.2	323.7	3444	8.0	35	3.4	325.6	3467	9.5	17	1.9	322.7	3462	7.1	14	1.3	318.2	3444	675	
700	7.9	66	6.3	330.8	3145	8.2	52	5.1	327.4	3167	11.3	19	2.3	322.8	3160	7.7	24	2.3	318.4	3145	700	
725	9.2	53	5.3	325.8	2854	10.4	45	4.9	326.0	2876	12.5	31	3.9	325.7	2866	9.2	32	3.2	319.9	2855	725	
750	11.4	50	5.7	326.5	2572	11.4	63	7.1	330.5	2593	13.6	43	5.6	328.9	2581	10.7	65	7.0	329.5	2573	750	
775	13.5	53	6.6	328.4	2297	14.0	45	5.9	326.9	2317	15.1	40	5.6	327.5	2304	12.8	40	4.8	322.4	2299	775	
800	15.5	53	7.3	329.9	2028	15.4	47	6.5	327.3	2048	16.6	36	5.4	325.6	2035	13.6	60	7.3	327.6	2032	800	
825	17.4	41	6.2	325.8	1766	16.6	51	7.3	328.2	1787	18.0	37	5.8	325.4	1772	14.7	61	7.8	327.3	1771	825	
850	17.6	48	7.1	325.9	1511	17.8	54	8.2	329.2	1532	19.1	44	7.3	328.1	1516	16.3	66	9.1	329.9	1518	850	
875	17.4	79	11.4	334.7	1263	18.9	59	9.2	330.6	1283	20.2	51	8.8	331.0	1266	17.4	76	10.9	333.3	1270	875	
900	18.1	95	13.9	339.7	1021	19.8	67	10.9	333.4	1040	21.0	60	10.5	333.9	1022	16.7	89	11.9	332.7	1029	900	
925	19.8	94	14.9	341.8	785	20.6	75	12.5	336.3	803	20.6	75	12.4	336.0	785	18.3	91	13.2	335.3	794	925	
950	21.4	93	15.9	344.0	553	21.5	83	14.2	339.3	572	21.8	81	14.1	339.4	553	20.5	90	14.6	339.1	564	950	
975	23.0	92	17.0	346.2	326	23.2	83	15.5	342.4	345	23.9	72	14.0	339.0	326	22.6	89	16.1	343.2	337	975	
1000	24.6	91	18.1	348.4	104	25.5	79	16.5	345.3	122	25.9	64	13.6	338.0	104	24.7	88	17.6	347.5	115	1000	
SFC.	25.3	91	18.6	349.5	0	26.7	77	17.0	346.9	0	30.0	71	19.1	357.3	0	25.8	88	18.5	349.8	0	SFC.	
				SURFACE PRESSURE	1011.8				SURFACE PRESSURE	1013.9				SURFACE PRESSURE	1011.7				SURFACE PRESSURE	1013.1		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/17 1145 GMT					4/17 1645 GMT					4/17 1940 GMT					4/17 2236 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-64.9	0	0.0	465.6	19434	-66.0	0	0.0	463.2	19516	-67.1	0	0.0	460.7	19527	-67.5	0	0.0	459.8	19585	60	
70	-67.7	0	0.0	439.6	18502	-64.1	25	.0	447.3	18576	-64.7	0	0.0	445.9	18592	-68.5	0	0.0	437.9	18652	70	
80	-74.7	0	0.0	408.6	17719	-73.7	25	.0	410.8	17780	-73.6	0	0.0	410.9	17800	-74.7	20	.0	408.6	17867	80	
90	-77.5	30	.0	389.6	17039	-76.5	25	.0	391.6	17097	-74.4	25	.0	395.8	17113	-75.0	20	.0	394.6	17183	90	
100	-80.2	31	.0	372.8	16440	-78.0	25	.0	377.0	16494	-78.4	25	.0	376.4	16506	-77.1	20	.0	378.8	16578	100	
110	-77.6	31	.0	367.7	15897	-75.7	25	.0	371.2	15946	-76.3	25	.0	370.2	15959	-74.6	20	.0	373.3	16027	110	
120	-77.8	30	.0	358.2	15399	-76.7	25	.0	360.3	15444	-77.3	25	.0	359.2	15458	-75.5	20	.0	362.5	15521	120	
130	-74.9	30	.0	355.3	14938	-73.9	25	.0	357.2	14980	-74.2	25	.0	356.6	14995	-71.9	20	.0	360.7	15054	130	
140	-71.7	30	.0	353.6	14505	-70.8	25	.0	355.1	14544	-70.9	25	.0	354.9	14560	-68.1	20	.0	359.9	14613	140	
150	-69.0	30	.0	351.2	14095	-68.0	25	.0	353.0	14133	-68.2	25	.0	352.7	14148	-66.2	20	.0	356.2	14197	150	
160	-66.6	31	.0	349.0	13707	-65.3	26	.0	351.0	13743	-66.1	25	.0	349.8	13759	-65.5	20	.0	350.8	13805	160	
170	-64.2	31	.0	346.9	13338	-62.9	26	.0	349.2	13371	-63.7	25	.0	347.8	13389	-62.5	20	.0	349.7	13433	170	
180	-62.0	31	.0	344.9	12986	-60.5	26	.0	347.3	13017	-60.7	25	.0	347.0	13036	-59.5	20	.0	349.0	13078	180	
190	-59.6	31	.0	343.4	12650	-58.3	26	.0	345.6	12679	-57.9	25	.0	346.2	12697	-56.6	20	.0	348.3	12738	190	
200	-56.9	31	.0	342.8	12327	-56.0	26	.0	344.2	12355	-56.2	25	.0	343.9	12373	-54.1	20	.0	347.2	12411	200	
225	-50.4	29	.0	341.5	11570	-49.4	24	.0	343.0	11594	-50.3	25	.0	341.6	11614	-49.1	20	.0	343.4	11647	225	
250	-44.3	28	.1	340.6	10874	-43.5	22	.1	341.7	10895	-43.9	24	.1	341.1	10917	-43.1	19	.1	342.3	10946	250	
275	-38.8	26	.1	339.6	10227	-38.2	21	.1	340.4	10246	-38.3	24	.1	340.3	10269	-37.6	19	.1	341.2	10296	275	
300	-33.8	25	.2	338.5	9624	-33.4	22	.2	338.9	9641	-33.4	24	.2	339.1	9664	-32.4	18	.2	340.4	9689	300	
325	-29.7	35	.3	337.2	9057	-29.3	27	.3	337.4	9075	-28.9	24	.3	337.9	9097	-27.6	18	.2	339.5	9120	325	
350	-25.6	17	.2	335.2	8525	-25.5	31	.4	336.1	8541	-24.8	25	.4	336.7	8562	-23.3	18	.3	338.6	8582	350	
375	-21.3	17	.3	334.7	8020	-21.6	29	.5	335.1	8037	-20.9	25	.5	335.7	8056	-19.3	19	.4	337.6	8073	375	
400	-19.3	35	.7	332.6	7542	-17.9	27	.6	334.1	7558	-17.3	25	.6	334.8	7576	-15.6	19	.5	336.8	7590	400	
425	-15.3	25	.7	331.8	7087	-14.3	24	.7	333.2	7101	-14.5	24	.7	332.9	7120	-12.3	18	.6	335.6	7129	425	
450	-11.5	15	.5	330.7	6652	-10.5	17	.6	332.5	6665	-11.3	20	.7	331.7	6684	-9.2	17	.7	334.4	6690	450	
475	-8.9	17	.7	329.4	6236	-8.4	16	.7	330.0	6246	-9.7	19	.7	328.6	6267	-7.3	16	.8	331.7	6270	475	
500	-6.9	18	.8	327.6	5837	-6.6	17	.8	328.0	5847	-7.2	19	.8	327.3	5870	-5.5	16	.8	329.3	5869	500	
525	-5.0	19	.9	325.7	5455	-4.3	18	.9	326.7	5465	-4.6	19	1.0	326.4	5488	-3.5	17	1.0	327.7	5485	525	
550	-3.2	19	1.0	324.0	5088	-2.2	20	1.1	325.5	5097	-2.3	20	1.2	325.5	5120	-1.5	18	1.1	326.3	5116	550	
575	-1.5	23	1.4	322.8	4736	-1.0	27	1.7	324.5	4743	-.6	25	1.6	324.7	4766	.5	19	1.3	324.9	4761	575	
600	.1	32	2.0	323.0	4396	.9	29	2.0	323.8	4402	1.0	29	2.0	324.0	4425	2.4	19	1.4	323.9	4419	600	
625	2.4	28	2.0	321.9	4067	3.2	27	2.1	323.1	4073	3.1	30	2.3	323.5	4096	4.7	19	1.6	323.3	4087	625	
650	4.3	29	2.3	321.4	3749	5.4	26	2.2	322.4	3754	5.5	28	2.4	323.2	3776	6.8	19	1.8	322.8	3767	650	
675	5.6	34	2.9	321.2	3441	7.5	24	2.3	321.6	3444	7.9	26	2.5	322.8	3467	8.9	19	2.0	322.3	3456	675	
700	6.7	48	4.3	323.2	3143	8.4	35	3.4	322.8	3144	9.2	29	3.0	322.6	3166	9.9	31	3.3	324.2	3154	700	
725	8.1	68	6.3	327.6	2854	9.3	45	4.6	324.0	2854	10.0	36	3.8	322.5	2875	10.8	25	2.8	320.4	2863	725	
750	10.2	62	6.5	327.4	2573	10.8	50	5.4	324.9	2572	11.2	39	4.3	322.3	2592	12.3	32	3.8	321.8	2579	750	
775	12.4	51	6.0	325.3	2299	12.6	51	6.0	325.6	2298	13.2	37	4.5	322.1	2318	13.5	38	4.7	322.9	2304	775	
800	13.4	55	6.6	325.4	2032	14.4	51	6.6	326.4	2030	14.5	41	5.3	322.9	2050	14.7	44	5.7	324.2	2036	800	
825	14.2	68	8.4	328.5	1772	15.5	59	7.9	328.5	1769	15.4	50	6.6	324.8	1789	15.8	49	6.7	325.5	1775	825	
850	15.4	81	10.5	332.7	1519	15.8	76	10.1	332.1	1515	16.2	58	8.0	326.7	1536	16.9	55	7.8	327.0	1521	850	
875	16.6	85	11.7	334.6	1272	16.4	89	12.0	335.2	1268	17.7	62	9.0	328.6	1288	18.4	57	8.8	328.8	1273	875	
900	17.8	89	12.9	336.5	1030	18.1	90	13.2	337.8	1027	19.0	66	10.1	330.6	1046	20.0	60	9.8	330.8	1030	900	
925	19.0	94	14.1	338.7	794	19.9	90	14.4	340.6	790	20.4	69	11.3	332.8	810	21.5	62	10.9	332.9	793	925	
950	20.2	97	15.4	341.0	564	21.6	91	15.7	343.5	559	21.1	73	12.2	333.3	579	22.5	64	11.7	333.7	561	950	
975	22.2	95	16.7	344.3	338	23.2	91	17.0	346.5	332	22.0	75	12.9	333.6	353	22.6	74	13.2	335.3	334	975	
1000	24.2	93	18.0	347.6	116	24.8	92	18.4	349.7	119	23.7	71	13.2	334.0	132	24.8	69	13.8	337.3	112	1000	
SFC.	25.2	92	18.6	349.4	0	25.6	92	19.1	351.4	0	30.0	72	19.3	357.5	0	31.1	67	19.2	358.9	0	SFC.	
				SURFACE PRESSURE	1013.2				SURFACE PRESSURE	1012.4				SURFACE PRESSURE	1015.0				SURFACE PRESSURE	1012.7		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/18 131 GMT					4/18 5 1 GMT					4/18 12 7 GMT					4/18 18 5 GMT					P		
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-66.8	0	0.0	461.4	19587	-65.1	0	0.0	465.2	19523	-63.7	0	0.0	468.3	19463	-63.2	0	0.0	469.4	19568	60	
70	-64.6	0	0.0	446.2	18650	-65.8	0	0.0	443.6	18587	-67.6	0	0.0	439.8	18530	-66.2	0	0.0	442.7	18628	70	
80	-71.8	0	0.0	414.6	17851	-73.3	27	.0	411.6	17795	-75.2	16	.0	407.8	17738	-71.3	16	.0	415.7	17829	80	
90	-76.8	25	.0	390.9	17165	-77.4	27	.0	389.8	17113	-79.0	16	.0	386.6	17064	-77.1	17	.0	390.3	17140	90	
100	-77.5	25	.0	378.0	16563	-78.9	28	.0	375.3	16511	-80.6	16	.0	372.0	16467	-78.1	17	.0	376.8	16540	100	
110	-76.2	25	.0	370.2	16017	-76.2	28	.0	370.3	15965	-77.7	16	.0	367.5	15926	-76.3	17	.0	370.1	15993	110	
120	-74.2	25	.0	364.9	15512	-74.7	28	.0	364.0	15461	-76.3	16	.0	360.9	15425	-74.7	17	.0	364.0	15489	120	
130	-72.9	25	.0	359.0	15045	-73.1	28	.0	358.6	14995	-73.7	16	.0	357.5	14962	-72.6	17	.0	359.5	15021	130	
140	-69.1	25	.0	358.1	14607	-69.4	27	.0	357.6	14557	-70.2	15	.0	356.1	14525	-70.4	17	.0	355.8	14584	140	
150	-65.6	25	.0	357.2	14191	-67.4	27	.0	354.1	14143	-67.3	15	.0	354.2	14112	-68.3	17	.0	352.4	14172	150	
160	-64.7	25	.0	352.2	13797	-66.2	27	.0	349.7	13752	-65.8	16	.0	350.2	13721	-66.4	17	.0	349.2	13783	160	
170	-64.1	25	.0	347.1	13427	-63.9	27	.0	347.4	13383	-64.5	16	.0	346.5	13352	-64.6	17	.0	346.2	13414	170	
180	-60.7	25	.0	347.0	13074	-61.3	26	.0	346.1	13031	-61.8	16	.0	345.2	13001	-61.7	17	.0	345.3	13063	180	
190	-57.6	25	.0	346.7	12735	-58.8	26	.0	344.8	12693	-59.0	15	.0	344.5	12664	-58.7	16	.0	344.9	12726	190	
200	-54.6	25	.0	346.4	12409	-55.7	26	.0	344.7	12369	-56.3	15	.0	343.8	12340	-55.8	16	.0	344.5	12402	200	
225	-48.7	25	.1	344.1	11644	-49.0	25	.0	343.6	11607	-49.7	14	.0	342.5	11581	-49.2	16	.0	343.3	11641	225	
250	-43.6	25	.1	341.6	10945	-44.1	25	.1	340.9	10909	-43.3	13	.0	341.9	10881	-43.3	15	.0	342.0	10941	250	
275	-37.6	23	.1	341.3	10296	-38.4	24	.1	340.1	10261	-38.9	14	.1	339.2	10233	-37.6	14	.1	341.1	10291	275	
300	-32.1	22	.2	340.9	9688	-33.3	23	.2	339.2	9656	-33.7	12	.1	338.2	9630	-32.5	14	.1	340.1	9684	300	
325	-27.1	20	.3	340.4	9117	-28.5	22	.3	338.4	9088	-28.7	M	M	M	9063	-27.7	13	.2	339.1	9114	325	
350	-23.0	21	.4	339.1	8579	-24.1	22	.3	337.6	8553	-23.9	M	M	M	8527	-23.3	12	.2	338.2	8577	350	
375	-19.2	21	.5	338.0	8070	-20.0	21	.4	336.8	8045	-20.2	M	M	M	8019	-20.2	13	.3	336.0	8068	375	
400	-15.7	22	.6	336.9	7586	-16.2	20	.5	336.0	7563	-17.3	12	.3	333.7	7538	-17.3	13	.3	333.8	7587	400	
425	-11.6	22	.8	337.1	7125	-13.5	19	.6	333.9	7104	-15.2	12	.3	330.8	7082	-14.5	13	.4	331.8	7131	425	
450	-9.2	19	.8	334.7	6686	-10.9	18	.6	332.0	6667	-11.9	11	.4	329.7	6647	-11.9	13	.4	329.9	6695	450	
475	-7.6	18	.8	331.6	6267	-8.7	17	.7	329.9	6250	-9.6	M	M	M	6232	-9.5	13	.5	328.1	6280	475	
500	-5.5	18	.9	329.7	5866	-6.7	17	.8	327.8	5851	-7.2	M	M	M	5834	-7.0	13	.6	326.6	5882	500	
525	-3.2	19	1.1	328.4	5482	-4.8	17	.9	325.7	5469	-4.9	M	M	M	5452	-4.4	12	.7	325.6	5499	525	
550	-1.6	20	1.2	326.5	5113	-3.0	17	.9	323.8	5102	-2.9	M	M	M	5085	-1.8	12	.7	324.6	5131	550	
575	.4	25	1.7	326.2	4758	-.7	17	1.1	322.9	4749	-1.4	M	M	M	4733	.3	13	.8	323.3	4777	575	
600	2.3	29	2.2	326.1	4415	1.7	17	1.2	322.4	4407	.7	12	.8	319.8	4393	2.2	13	1.0	322.1	4434	600	
625	4.5	30	2.5	325.9	4084	4.1	17	1.4	322.0	4077	2.6	17	1.2	319.7	4064	4.0	14	1.1	321.0	4104	625	
650	6.9	27	2.6	325.3	3763	6.4	17	1.6	321.6	3757	3.8	14	1.1	316.9	3746	5.8	15	1.3	319.9	3784	650	
675	9.2	24	2.6	324.7	3452	8.6	17	1.8	321.3	3446	3.3	12	.9	312.2	3440	7.4	20	1.9	320.3	3475	675	
700	11.3	23	2.7	324.1	3150	10.8	17	2.0	321.0	3145	4.4	40	3.0	316.9	3145	8.9	37	3.8	324.4	3175	700	
725	11.2	39	4.4	325.7	2857	10.7	44	4.9	326.4	2852	8.5	97	9.3	336.6	2856	10.3	54	5.9	328.9	2883	725	
750	13.0	34	4.3	324.1	2573	12.2	39	4.6	324.3	2569	10.1	97	10.1	337.4	2574	11.7	70	8.1	333.7	2600	750	
775	14.4	36	4.7	324.1	2297	13.5	64	8.1	332.7	2293	11.7	96	10.8	338.3	2300	13.3	67	8.4	333.3	2324	775	
800	15.7	47	6.6	328.0	2028	14.9	54	7.2	328.9	2025	13.3	96	11.6	339.1	2032	14.9	64	8.6	332.9	2056	800	
825	17.0	60	8.8	333.0	1766	15.1	80	10.5	335.5	1764	14.5	96	12.2	339.4	1772	16.5	62	8.9	332.4	1794	825	
850	18.5	64	10.0	335.2	1510	16.3	82	11.4	336.2	1510	15.9	95	12.8	339.8	1518	18.0	59	9.1	331.9	1539	850	
875	19.9	64	10.8	336.1	1260	17.4	85	12.2	337.1	1262	17.5	92	13.3	340.1	1270	19.5	57	9.2	331.3	1290	875	
900	21.3	65	11.5	337.1	1016	18.5	87	13.1	338.0	1020	19.0	88	13.7	340.3	1027	20.4	62	10.5	333.2	1046	900	
925	22.6	66	12.3	338.2	778	19.6	89	14.0	339.0	784	20.5	85	14.1	340.5	790	21.1	71	12.1	336.0	809	925	
950	23.7	68	13.4	339.9	545	21.8	86	15.1	342.2	552	22.0	82	14.4	340.5	558	21.9	79	13.8	338.7	577	950	
975	24.5	76	15.3	343.4	317	24.0	84	16.3	345.5	325	23.3	80	14.9	340.9	332	24.0	75	14.6	341.0	350	975	
1000	26.8	78	17.7	350.3	93	26.1	81	17.5	348.8	101	24.1	87	16.6	343.9	109	26.1	71	15.3	343.0	127	1000	
SFC.	27.8	79	18.7	353.4	0	27.0	80	18.0	350.4	0	24.5	90	17.5	345.4	0	27.3	69	15.7	344.2	0	SFC.	
				SURFACE PRESSURE	1010.5				SURFACE PRESSURE	1011.5				SURFACE PRESSURE	1012.5				SURFACE PRESSURE	1014.4		

A-186



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/18 2340 GMT						4/19 540 GMT						4/19 1149 GMT						4/19 17 0 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-65.2	0	0.0	465.0	19614	-69.9	0	0.0	454.5	19440	-67.2	0	0.0	460.6	19498	-66.3	20	.0	462.6	19565	60		
70	-66.6	0	0.0	441.9	18679	-71.0	0	0.0	432.5	18525	-67.5	0	0.0	439.9	18568	-67.2	20	.0	440.6	18633	70		
80	-71.2	0	0.0	415.9	17880	-74.1	30	.0	410.0	17741	-75.8	27	.0	406.4	17778	-75.1	20	.0	408.0	17839	80		
90	-71.7	20	.0	401.2	17183	-76.6	30	.0	391.5	17056	-76.5	27	.0	391.6	17101	-77.8	20	.0	389.0	17163	90		
100	-79.0	20	.0	375.1	16578	-81.3	31	.0	370.7	16458	-79.4	27	.0	374.3	16497	-78.6	20	.0	375.9	16561	100		
110	-76.9	20	.0	369.0	16033	-78.6	30	.0	365.8	15919	-77.0	27	.0	368.7	15953	-76.0	20	.0	370.6	16015	110		
120	-74.0	20	.0	365.3	15529	-75.2	30	.0	363.1	15419	-74.9	26	.0	363.6	15450	-73.7	20	.0	365.8	15509	120		
130	-71.3	20	.0	361.8	15059	-72.0	30	.0	360.5	14952	-72.9	26	.0	359.0	14983	-71.5	20	.0	361.4	15039	130		
140	-68.8	20	.0	358.6	14619	-69.1	30	.0	358.1	14512	-70.7	26	.0	355.2	14546	-68.9	20	.0	358.4	14599	140		
150	-66.9	20	.0	354.9	14204	-67.5	30	.0	353.8	14097	-67.5	26	.0	353.8	14134	-65.9	20	.0	356.6	14183	150		
160	-65.2	20	.0	351.3	13812	-66.0	30	.0	349.9	13708	-64.7	26	.0	352.2	13743	-63.1	20	.0	354.8	13789	160		
170	-63.5	20	.0	348.0	13442	-65.1	30	.0	345.5	13339	-63.6	26	.0	347.9	13372	-60.5	20	.0	353.1	13414	170		
180	-60.7	20	.0	347.0	13088	-63.1	30	.0	343.1	12989	-62.3	26	.0	344.5	13020	-60.4	20	.0	347.5	13057	180		
190	-58.0	21	.0	346.0	12750	-60.2	30	.0	342.6	12654	-59.6	26	.0	343.4	12684	-58.5	20	.0	345.2	12720	190		
200	-55.5	21	.0	345.0	12425	-57.4	30	.0	342.0	12332	-57.2	26	.0	342.4	12361	-55.8	20	.0	344.6	12395	200		
225	-49.0	20	.0	343.6	11663	-51.0	30	.0	340.6	11577	-50.4	25	.0	341.4	11605	-49.3	19	.0	343.1	11634	225		
250	-42.8	19	.1	342.7	10962	-44.7	28	.1	339.9	10882	-44.2	23	.1	340.6	10908	-42.7	18	.1	342.9	10934	250		
275	-37.2	18	.1	341.7	10312	-39.1	26	.1	339.2	10237	-38.6	21	.1	339.7	10261	-36.8	17	.1	342.3	10282	275		
300	-31.9	18	.2	341.1	9704	-33.9	24	.2	338.4	9633	-33.5	20	.2	338.8	9657	-32.3	16	.1	340.5	9674	300		
325	-26.9	17	.2	340.5	9132	-29.1	23	.2	337.5	9067	-28.8	19	.2	337.8	9090	-28.1	16	.2	338.8	9104	325		
350	-22.6	17	.3	339.6	8593	-24.7	21	.3	336.7	8532	-24.5	18	.3	336.9	8555	-24.2	15	.2	337.1	8568	350		
375	-19.5	17	.4	337.3	8083	-21.2	23	.4	335.1	8026	-20.7	17	.3	335.5	8048	-20.6	15	.3	335.6	8061	375		
400	-16.6	17	.4	335.1	7601	-19.4	22	.5	331.5	7549	-18.4	18	.4	332.6	7569	-17.2	15	.4	334.1	7581	400		
425	-13.9	17	.5	333.1	7143	-15.7	20	.5	330.8	7095	-14.6	15	.4	331.8	7113	-14.0	14	.4	332.7	7123	425		
450	-11.3	17	.6	331.3	6707	-12.3	19	.6	330.1	6661	-11.9	16	.5	330.2	6678	-11.0	14	.5	331.3	6687	450		
475	-8.9	17	.7	329.5	6290	-9.6	19	.7	328.7	6246	-9.6	17	.7	328.5	6263	-8.8	17	.7	329.6	6270	475		
500	-6.1	16	.8	328.5	5891	-7.1	19	.9	327.5	5848	-6.9	17	.8	327.3	5865	-6.1	16	.8	328.4	5871	500		
525	-3.4	16	.9	327.5	5507	-4.7	19	1.0	326.3	5466	-4.2	15	.8	326.3	5482	-3.5	15	.9	327.4	5487	525		
550	-.8	15	1.0	326.6	5138	-2.4	20	1.1	325.2	5098	-1.6	14	.8	325.2	5114	-.9	15	.9	326.4	5118	550		
575	1.6	14	1.1	325.6	4781	-.2	20	1.3	324.2	4744	.4	16	1.1	324.3	4759	1.2	17	1.2	325.7	4761	575		
600	3.9	14	1.1	324.7	4437	1.9	20	1.4	323.2	4403	1.9	21	1.6	323.6	4416	2.6	25	1.9	325.5	4418	600		
625	6.2	13	1.2	323.8	4104	3.8	23	1.8	322.9	4072	3.3	41	3.2	326.5	4086	3.7	41	3.3	327.4	4087	625		
650	7.7	17	1.7	323.6	3782	5.4	33	2.9	324.4	3753	5.0	79	6.6	335.1	3767	4.9	61	5.1	330.6	3768	650		
675	9.5	25	2.7	325.3	3471	7.0	43	4.0	326.2	3443	6.9	76	7.0	335.0	3457	6.9	53	4.9	328.7	3459	675		
700	11.8	40	5.0	331.4	3168	8.5	53	5.2	328.3	3143	8.8	72	7.4	334.9	3157	8.8	44	4.5	326.5	3158	700		
725	13.4	48	6.4	334.3	2873	10.0	62	6.6	330.7	2852	10.7	71	7.9	335.2	2865	10.7	36	4.0	324.0	2867	725		
750	14.4	51	7.0	333.8	2587	11.4	71	8.0	333.3	2569	12.6	44	5.4	327.0	2581	12.4	34	4.1	323.0	2584	750		
775	15.3	53	7.5	333.3	2309	13.0	45	5.5	324.6	2293	14.0	44	5.6	326.3	2305	14.0	36	4.6	323.4	2308	775		
800	16.3	53	7.7	331.9	2039	13.8	46	5.7	323.2	2026	15.4	45	6.2	326.5	2036	15.6	37	5.2	323.9	2039	800		
825	17.6	43	6.6	327.4	1776	14.5	55	6.9	324.5	1766	16.7	47	6.8	326.8	1775	17.0	41	6.0	324.7	1778	825		
850	19.2	49	8.1	330.6	1520	15.1	73	9.3	329.2	1513	17.1	65	9.4	331.7	1520	16.5	60	8.3	328.1	1523	850		
875	20.6	57	10.1	335.0	1270	16.3	79	10.5	331.1	1267	17.5	83	12.1	336.7	1272	16.8	66	9.1	327.8	1276	875		
900	21.1	65	11.3	336.4	1026	17.6	81	11.5	332.5	1026	18.7	76	11.6	334.3	1030	18.3	68	10.0	329.4	1035	900		
925	21.5	72	12.6	337.6	788	18.9	83	12.4	334.0	790	19.7	78	12.3	334.5	793	19.9	73	11.6	333.0	799	925		
950	23.1	70	13.3	338.8	556	20.2	85	13.4	335.7	560	20.4	95	15.3	340.9	563	21.3	79	13.4	336.9	567	950		
975	24.7	69	13.9	340.0	328	21.4	87	14.5	337.4	334	22.6	90	16.1	343.4	336	23.1	83	15.2	341.4	341	975		
1000	26.3	67	14.6	341.2	104	23.9	87	16.4	343.1	113	24.8	85	16.9	345.6	114	25.8	80	17.1	347.4	118	1000		
SFC.	29.5	76	19.9	358.8	0	26.0	85	18.1	348.9	0	25.9	82	17.3	346.7	0	27.3	79	18.1	350.7	0	SFC.		
				SURFACE PRESSURE	1011.8				SURFACE PRESSURE	1012.9				SURFACE PRESSURE	1013.0				SURFACE PRESSURE	1013.4			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/19 20 9 GMT						4/19 2246 GMT					4/20 140 GMT					4/20 5 5 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-66.6	0	0.0	461.8	19613	-69.3	0	0.0	455.8	19552	-65.4	0	0.0	464.5	19571	-65.0	22	.0	465.6	19506	60	
70	-67.0	0	0.0	441.0	18681	-67.5	0	0.0	440.0	18627	-66.9	0	0.0	441.2	18637	-69.5	22	.0	435.9	18582	70	
80	-70.2	0	0.0	418.0	17877	-72.2	0	0.0	413.9	17832	-72.3	25	.0	413.7	17835	-69.2	23	.0	420.1	17785	80	
90	-76.3	24	.0	392.0	17193	-77.3	25	.0	390.1	17152	-79.5	25	.0	385.6	17162	-79.3	23	.0	386.0	17106	90	
100	-77.2	24	.0	378.6	16587	-78.4	25	.0	376.3	16549	-76.5	25	.0	380.0	16560	-79.1	23	.0	374.9	16507	100	
110	-77.2	24	.0	368.4	16040	-76.2	24	.0	370.4	16002	-77.3	25	.0	368.2	16013	-78.8	23	.0	365.4	15966	110	
120	-74.3	24	.0	364.7	15537	-74.1	24	.0	365.0	15498	-74.8	25	.0	363.7	15510	-75.9	23	.0	361.7	15467	120	
130	-71.7	25	.0	361.2	15068	-72.3	24	.0	360.1	15029	-72.2	25	.0	360.2	15043	-73.3	22	.0	358.2	15002	130	
140	-69.2	25	.0	357.9	14628	-70.5	23	.0	355.6	14591	-69.1	24	.0	358.1	14603	-70.9	22	.0	355.0	14565	140	
150	-66.8	25	.0	355.2	14213	-67.4	23	.0	354.1	14179	-67.4	25	.0	354.1	14189	-68.6	22	.0	352.0	14154	150	
160	-64.0	25	.0	353.2	13821	-64.0	24	.0	353.3	13787	-65.5	25	.0	350.8	13798	-66.3	22	.0	349.5	13766	160	
170	-61.5	25	.0	351.4	13447	-61.3	24	.0	351.8	13413	-62.9	24	.0	349.0	13427	-63.9	22	.0	347.4	13396	170	
180	-59.1	25	.0	349.7	13091	-60.3	23	.0	347.7	13057	-60.4	23	.0	347.5	13073	-61.6	22	.0	345.5	13044	180	
190	-58.6	25	.0	345.0	12751	-58.3	23	.0	345.6	12719	-57.9	23	.0	346.3	12735	-59.5	22	.0	343.6	12707	190	
200	-56.0	25	.0	344.2	12427	-56.1	23	.0	344.0	12395	-55.4	24	.0	345.1	12409	-56.9	22	.0	342.8	12385	200	
225	-49.2	25	.0	343.4	11667	-49.7	22	.0	342.5	11636	-49.1	23	.0	343.5	11648	-49.8	20	.0	342.3	11626	225	
250	-42.7	24	.1	342.9	10966	-43.0	21	.1	342.5	10936	-42.7	22	.1	343.0	10947	-43.5	19	.1	341.7	10928	250	
275	-36.9	23	.1	342.3	10315	-36.9	20	.1	342.2	10285	-36.6	21	.1	342.7	10295	-37.8	18	.1	340.9	10279	275	
300	-32.4	24	.2	340.5	9707	-32.5	20	.2	340.3	9677	-31.1	20	.2	342.4	9685	-32.6	17	.1	340.1	9672	300	
325	-28.3	25	.3	338.8	9138	-28.5	21	.2	338.4	9109	-27.4	21	.3	340.0	9114	-28.4	18	.2	338.4	9103	325	
350	-24.0	25	.4	338.0	8602	-24.1	21	.3	337.6	8573	-24.5	24	.4	337.2	8577	-24.8	20	.3	336.4	8568	350	
375	-19.9	25	.5	337.2	8094	-20.0	20	.4	336.7	8065	-19.4	21	.5	337.7	8069	-20.5	20	.4	336.0	8062	375	
400	-17.7	25	.6	334.2	7613	-17.9	19	.4	333.4	7585	-17.1	27	.7	335.4	7587	-16.2	19	.5	335.9	7580	400	
425	-14.3	23	.7	333.2	7156	-14.4	18	.5	332.5	7128	-13.6	24	.7	334.4	7129	-13.8	21	.6	333.7	7122	425	
450	-11.1	21	.8	332.1	6720	-11.2	18	.6	331.6	6692	-10.2	20	.8	333.3	6692	-10.8	17	.6	332.0	6685	450	
475	-8.2	20	.9	331.0	6303	-8.5	18	.8	330.3	6275	-7.1	17	.8	332.1	6273	-8.2	17	.7	330.6	6268	475	
500	-5.6	21	1.0	329.9	5902	-5.9	18	.9	329.1	5876	-5.5	19	1.0	329.8	5872	-5.7	17	.9	329.3	5868	500	
525	-3.1	21	1.2	329.0	5518	-3.4	19	1.0	328.0	5492	-3.1	20	1.1	328.8	5487	-3.3	18	1.0	328.0	5484	525	
550	-.7	21	1.4	328.1	5148	-1.1	19	1.2	327.0	5122	-.7	20	1.3	328.0	5117	-1.0	18	1.1	326.9	5114	550	
575	1.5	22	1.6	327.3	4792	1.1	19	1.4	326.1	4767	1.6	21	1.6	327.3	4761	1.1	18	1.3	325.8	4758	575	
600	3.7	22	1.8	326.6	4448	3.0	22	1.7	325.6	4423	3.8	22	1.8	326.7	4417	3.2	18	1.4	324.8	4415	600	
625	5.3	28	2.5	327.0	4115	4.1	35	2.9	326.6	4092	4.8	40	3.4	329.2	4084	3.4	51	4.0	329.1	4084	625	
650	6.2	43	3.9	328.5	3794	5.7	38	3.3	326.0	3772	6.5	47	4.4	330.4	3764	5.6	42	3.7	327.1	3764	650	
675	8.3	46	4.6	329.7	3484	7.5	44	4.3	327.6	3462	8.4	50	5.1	331.2	3453	7.7	46	4.5	328.6	3454	675	
700	10.6	47	5.3	331.0	3182	9.4	47	4.9	328.3	3161	10.2	51	5.7	331.6	3151	9.2	57	6.0	331.3	3153	700	
725	12.3	43	5.4	329.8	2888	11.4	39	4.6	326.4	2869	12.1	45	5.4	329.8	2858	11.0	47	5.4	328.3	2861	725	
750	13.8	39	5.1	327.5	2603	13.2	36	4.5	325.0	2585	13.8	41	5.4	328.4	2573	12.8	37	4.6	325.0	2577	750	
775	15.0	37	5.2	326.0	2326	14.7	37	5.0	325.4	2309	15.3	41	5.8	328.1	2295	14.3	37	4.9	324.3	2301	775	
800	15.9	40	5.7	325.6	2057	16.2	39	5.6	325.8	2039	16.7	41	6.1	327.9	2026	15.4	44	6.1	326.2	2033	800	
825	16.7	43	6.3	325.3	1795	16.4	45	6.3	325.1	1778	17.2	50	7.4	329.2	1763	16.5	51	7.4	328.2	1771	825	
850	17.5	46	6.9	325.1	1540	16.8	59	8.4	328.5	1523	17.5	59	8.8	330.6	1508	17.6	58	8.7	330.3	1516	850	
875	18.1	60	9.0	329.0	1292	17.8	63	9.3	329.5	1275	17.8	69	10.1	331.9	1260	18.6	65	10.0	332.6	1267	875	
900	19.3	67	10.5	332.0	1050	18.9	66	10.1	330.3	1033	18.9	74	11.4	334.0	1018	19.7	70	11.3	334.5	1025	900	
925	20.8	70	11.7	334.4	813	19.9	69	10.9	331.2	797	20.2	79	12.8	336.6	781	20.3	80	13.1	337.6	788	925	
950	22.3	72	13.0	337.1	581	21.1	71	11.8	332.3	566	21.8	79	13.8	338.6	549	21.7	88	15.3	342.7	556	950	
975	24.0	72	14.0	339.2	354	23.1	69	12.7	334.7	340	23.7	75	14.3	339.9	322	23.7	89	17.0	346.9	329	975	
1000	26.2	67	14.5	340.8	131	25.1	67	13.6	337.1	118	25.6	71	14.8	341.0	100	25.6	89	18.7	351.4	106	1000	
SFC.	27.4	67	15.4	343.2	0	27.9	69	16.3	346.7	0	28.0	72	17.2	349.4	0	26.5	89	19.5	353.7	0	SFC.	
				SURFACE PRESSURE	1014.9				SURFACE PRESSURE	1013.4				SURFACE PRESSURE	1011.3				SURFACE PRESSURE	1012.0		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/20 1215 GMT						4/20 1745 GMT						4/20 2340 GMT						4/21 556 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	-65.8	0	0.0	463.7	19482	-63.7	0	0.0	468.3	19558	-64.9	0	0.0	465.6	19592	-65.6	0	0.0	464.1	19491	60		
70	-69.9	0	0.0	435.0	18560	-68.8	18	0.0	437.3	18627	-71.2	0	0.0	432.1	18667	-69.7	25	0.0	435.4	18559	70		
80	-70.1	21	0.0	418.1	17766	-69.8	19	0.0	418.9	17830	-72.3	0	0.0	413.6	17882	-76.3	25	0.0	405.4	17779	80		
90	-79.4	21	0.0	385.8	17077	-78.8	19	0.0	387.0	17137	-75.3	17	0.0	393.9	17189	-77.8	25	0.0	388.9	17103	90		
100	-79.2	21	0.0	374.7	16480	-78.6	20	0.0	375.9	16537	-77.9	17	0.0	377.2	16585	-76.7	25	0.0	379.6	16501	100		
110	-78.8	21	0.0	365.4	15939	-77.8	20	0.0	367.2	15993	-76.0	17	0.0	370.7	16037	-78.5	25	0.0	366.0	15955	110		
120	-75.2	21	0.0	363.1	15439	-75.7	19	0.0	362.1	15493	-74.3	18	0.0	364.7	15533	-76.1	24	0.0	361.4	15456	120		
130	-72.4	21	0.0	359.8	14972	-73.2	18	0.0	358.4	15027	-72.2	18	0.0	360.2	15064	-73.8	23	0.0	357.3	14992	130		
140	-70.0	20	0.0	356.5	14534	-70.3	18	0.0	355.9	14590	-70.2	17	0.0	356.2	14626	-71.8	22	0.0	353.4	14557	140		
150	-68.0	20	0.0	352.9	14121	-67.7	18	0.0	353.6	14178	-67.3	17	0.0	354.2	14213	-69.2	21	0.0	350.9	14148	150		
160	-67.2	20	0.0	347.9	13732	-65.2	18	0.0	351.3	13787	-64.6	17	0.0	352.3	13821	-66.1	21	0.0	349.7	13759	160		
170	-64.3	20	0.0	346.8	13364	-62.8	18	0.0	349.2	13416	-62.1	17	0.0	350.5	13449	-63.3	22	0.0	348.4	13389	170		
180	-61.5	19	0.0	345.7	13012	-60.6	18	0.0	347.1	13062	-59.7	17	0.0	348.7	13093	-60.6	22	0.0	347.2	13036	180		
190	-58.9	19	0.0	344.6	12675	-58.0	18	0.0	346.0	12723	-57.0	17	0.0	347.6	12753	-58.0	22	0.0	346.0	12697	190		
200	-56.4	19	0.0	343.6	12351	-55.3	18	0.0	345.2	12398	-54.4	16	0.0	346.7	12427	-55.6	23	0.0	344.8	12372	200		
225	-50.7	18	0.0	341.0	11594	-49.1	17	0.0	343.4	11636	-48.5	15	0.0	344.3	11662	-49.8	23	0.0	342.4	11612	225		
250	-44.4	17	0.1	340.3	10898	-43.0	17	0.1	342.3	10936	-42.1	15	0.1	343.7	10959	-43.6	21	0.1	341.6	10913	250		
275	-38.4	17	0.1	340.0	10251	-37.5	16	0.1	341.2	10286	-36.6	15	0.1	342.6	10306	-37.9	20	0.1	340.7	10265	275		
300	-33.0	16	0.1	339.5	9646	-32.5	16	0.1	340.1	9679	-31.5	14	0.1	341.5	9697	-32.8	19	0.2	339.8	9659	300		
325	-29.7	17	0.2	336.5	9078	-28.1	16	0.2	338.7	9169	-26.9	14	0.2	340.4	9125	-28.1	18	0.2	338.9	9090	325		
350	-25.5	18	0.2	335.4	8545	-24.2	16	0.3	337.1	8573	-22.7	14	0.2	339.1	8586	-24.1	17	0.3	337.3	8553	350		
375	-22.5	18	0.3	333.0	8042	-20.6	16	0.3	335.6	8067	-19.4	15	0.3	337.2	8077	-21.1	18	0.3	335.0	8047	375		
400	-18.0	18	0.4	333.2	7564	-17.3	17	0.4	334.2	7586	-16.3	15	0.4	335.4	7594	-18.3	19	0.4	332.9	7568	400		
425	-15.2	18	0.5	331.4	7108	-14.1	17	0.5	332.8	7129	-14.3	17	0.5	332.5	7136	-15.0	19	0.5	331.6	7112	425		
450	-11.7	16	0.5	330.6	6673	-11.1	17	0.6	331.6	6693	-10.8	15	0.6	331.8	6700	-12.0	18	0.6	330.5	6677	450		
475	-8.8	15	0.6	329.4	6257	-8.4	17	0.7	330.2	6275	-7.7	14	0.6	330.8	6282	-9.1	18	0.7	329.3	6262	475		
500	-6.3	16	0.8	328.1	5858	-5.9	17	0.8	328.8	5876	-5.7	15	0.7	328.7	5882	-6.5	18	0.8	328.2	5863	500		
525	-3.9	16	0.9	326.9	5475	-3.6	17	0.9	327.5	5492	-3.5	15	0.8	327.2	5498	-4.0	18	1.0	327.1	5480	525		
550	-1.6	17	1.0	325.8	5106	-1.3	17	1.1	326.3	5123	-0.9	15	1.0	326.5	5128	-1.6	18	1.1	326.1	5111	550		
575	0.5	17	1.2	324.8	4751	0.8	17	1.2	325.2	4767	1.6	15	1.1	325.8	4772	0.7	18	1.3	325.2	4756	575		
600	2.6	18	1.4	323.9	4408	2.7	20	1.5	324.5	4424	3.8	15	1.2	324.8	4428	2.9	18	1.4	324.3	4413	600		
625	4.1	24	1.9	323.6	4077	4.1	29	2.3	324.9	4093	5.8	14	1.3	323.8	4096	4.7	22	1.9	324.2	4081	625		
650	4.8	52	4.3	328.1	3758	5.8	32	2.8	324.7	3774	7.8	14	1.4	322.8	3774	6.2	30	2.8	325.0	3761	650		
675	6.9	41	3.8	325.5	3449	7.9	41	4.0	327.4	3464	9.7	18	2.0	323.1	3462	7.6	38	3.7	326.0	3451	675		
700	9.0	45	4.6	327.0	3148	10.0	38	4.1	326.7	3162	11.2	31	3.7	327.0	3159	9.1	41	4.3	326.0	3150	700		
725	10.7	36	4.0	324.0	2857	12.0	29	3.5	323.9	2870	12.7	23	2.9	322.8	2866	10.7	37	4.1	324.3	2859	725		
750	12.4	28	3.4	320.8	2574	13.2	34	4.3	324.3	2585	13.9	23	3.0	321.5	2581	12.3	33	4.0	322.4	2575	750		
775	13.4	37	4.6	322.7	2298	13.9	42	5.4	325.5	2309	15.1	27	3.7	321.9	2304	13.7	46	5.8	326.4	2300	775		
800	14.4	46	6.0	324.7	2030	14.9	42	5.6	324.2	2041	16.3	30	4.4	322.4	2035	15.1	51	6.9	328.3	2031	800		
825	15.4	55	7.3	326.8	1770	15.9	42	5.8	322.9	1780	17.4	34	5.2	323.0	1773	16.5	47	6.8	326.6	1770	825		
850	15.7	71	9.4	330.0	1516	16.4	64	8.8	329.2	1526	18.4	41	6.4	325.0	1517	17.0	62	8.9	330.3	1515	850		
875	16.0	86	11.3	332.8	1269	17.5	69	10.0	331.1	1278	19.3	49	7.9	327.5	1268	17.2	79	11.3	334.2	1267	875		
900	17.7	88	12.5	335.3	1028	18.6	75	11.2	333.1	1036	20.2	57	9.4	330.0	1025	18.1	89	13.0	337.2	1026	900		
925	19.5	87	13.6	337.9	792	19.7	80	12.5	335.2	800	21.1	64	11.0	332.7	788	19.8	88	14.0	339.3	789	925		
950	21.3	87	14.8	340.6	561	20.7	85	13.9	337.5	569	21.9	71	12.6	335.4	556	21.5	87	15.0	341.4	558	950		
975	22.9	87	16.0	343.3	334	22.8	83	15.0	340.6	343	24.0	68	13.1	336.9	329	23.1	87	16.0	343.6	331	975		
1000	24.5	88	17.3	346.2	112	25.7	76	15.9	344.1	121	26.1	63	13.5	338.1	106	24.6	86	17.1	345.9	109	1000		
SFC.	25.3	88	17.9	347.7	0	27.2	72	16.4	345.8	0	30.7	68	19.0	358.0	0	25.4	86	17.6	347.0	0	SFC.		
				SURFACE PRESSURE	1012.8				SURFACE PRESSURE	1013.7				SURFACE PRESSURE	1012.0				SURFACE PRESSURE	1012.4			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

4/21 1210 GMT					4/21 17 0 GMT					4/21 20 0 GMT					4/21 2237 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-66.9	0	0.0	461.1	19444	-65.4	0	0.0	464.5	19600	-64.9	0	0.0	465.6	19515	-64.8	0	0.0	465.8	19583	60
70	-68.3	20	.0	438.4	18515	-66.8	0	0.0	441.4	18665	-71.6	0	0.0	431.3	18589	-67.4	24	.0	440.4	18648	70
80	-74.7	20	.0	408.7	17726	-69.8	18	.0	418.9	17862	-75.8	0	0.0	406.4	17811	-73.2	24	.0	411.9	17852	80
90	-76.9	21	.0	390.9	17045	-74.8	18	.0	395.0	17169	-78.6	0	0.0	387.3	17135	-78.5	25	.0	387.6	17172	90
100	-78.8	21	.0	375.5	16443	-76.7	18	.0	379.6	16563	-79.3	18	.0	374.5	16538	-77.9	25	.0	377.2	16570	100
110	-78.3	21	.0	366.4	15899	-74.8	18	.0	372.9	16012	-77.3	18	.0	368.3	15994	-75.7	24	.0	371.2	16022	110
120	-76.1	21	.0	361.4	15401	-73.1	18	.0	366.8	15544	-75.4	18	.0	362.7	15492	-73.7	24	.0	365.8	15516	120
130	-75.0	21	.0	355.2	14937	-71.6	18	.0	361.3	15034	-72.8	18	.0	359.2	15026	-71.1	24	.0	362.3	15046	130
140	-73.5	21	.0	350.4	14506	-70.1	18	.0	356.3	14594	-69.7	18	.0	357.0	14588	-68.6	24	.0	359.0	14604	140
150	-70.2	21	.0	349.2	14099	-67.7	18	.0	353.5	14182	-67.1	18	.0	354.6	14174	-65.5	24	.0	357.3	14188	150
160	-67.1	21	.0	348.1	13713	-65.0	18	.0	351.6	13791	-64.9	18	.0	351.8	13782	-63.1	24	.0	354.8	13793	160
170	-64.1	21	.0	347.0	13344	-62.4	18	.0	349.8	13419	-62.6	18	.0	349.6	13411	-62.6	24	.0	349.5	13420	170
180	-61.5	21	.0	345.7	12992	-60.0	18	.0	348.1	13065	-60.4	18	.0	347.5	13056	-59.9	24	.0	348.3	13065	180
190	-59.0	20	.0	344.4	12655	-57.5	18	.0	346.9	12725	-57.9	18	.0	346.2	12718	-57.4	24	.0	347.0	12725	190
200	-56.6	20	.0	343.2	12331	-55.0	17	.0	345.7	12399	-55.4	17	.0	345.1	12392	-55.0	23	.0	345.8	12400	200
225	-50.5	19	.0	341.3	11574	-49.4	16	.0	342.9	11637	-49.7	16	.0	342.5	11631	-49.4	23	.0	342.9	11637	225
250	-45.0	18	.1	339.5	10878	-43.4	15	.1	341.8	10938	-43.6	16	.1	341.5	10933	-43.6	22	.1	341.6	10939	250
275	-39.5	17	.1	338.3	10234	-37.9	15	.1	340.7	10289	-38.0	15	.1	340.5	10284	-37.8	21	.1	340.9	10290	275
300	-34.3	15	.1	337.5	9632	-32.9	14	.1	339.5	9683	-32.9	15	.1	339.5	9678	-32.6	21	.2	340.2	9683	300
325	-29.5	14	.1	336.7	9067	-28.3	13	.2	338.4	9114	-28.3	14	.2	338.4	9110	-27.7	20	.2	339.5	9114	325
350	-25.2	14	.2	335.5	8533	-24.0	13	.2	337.2	8578	-24.0	14	.2	337.4	8573	-23.2	19	.3	338.7	8576	350
375	-21.5	15	.3	334.2	8028	-20.0	12	.3	336.1	8071	-20.5	14	.3	335.6	8066	-19.8	19	.4	337.0	8067	375
400	-18.0	15	.3	333.0	7549	-16.3	12	.3	335.1	7589	-17.4	14	.3	333.7	7586	-16.7	19	.5	335.2	7586	400
425	-16.0	18	.5	330.2	7094	-13.9	13	.4	332.7	7130	-14.0	14	.4	332.6	7129	-13.0	19	.6	334.6	7127	425
450	-12.9	17	.5	329.0	6662	-11.6	14	.5	330.5	6694	-12.2	16	.5	329.8	6693	-11.3	20	.7	331.8	6690	450
475	-9.4	14	.6	328.4	6247	-8.3	13	.6	329.8	6278	-9.4	16	.6	328.6	6278	-8.5	19	.8	330.5	6273	475
500	-7.0	15	.7	326.9	5848	-5.8	13	.6	328.3	5878	-6.4	15	.7	327.9	5879	-5.5	18	.9	329.7	5873	500
525	-4.7	15	.8	325.6	5466	-3.5	13	.7	326.9	5494	-4.2	15	.8	326.3	5496	-3.3	19	1.1	328.4	5488	525
550	-2.5	16	.9	324.3	5099	-1.2	13	.8	325.6	5125	-2.5	16	.9	324.4	5128	-1.1	19	1.2	327.1	5119	550
575	-.4	16	1.0	323.2	4745	.9	13	.9	324.3	4769	.8	17	1.2	325.1	4773	.9	20	1.4	325.9	4763	575
600	1.6	17	1.2	322.1	4404	2.9	16	1.2	323.8	4426	2.8	20	1.6	324.7	4430	2.8	20	1.6	324.9	4420	600
625	2.9	33	2.5	323.9	4074	4.8	20	1.7	323.7	4095	4.7	24	2.0	324.6	4099	4.7	21	1.8	323.9	4089	625
650	4.5	44	3.5	325.4	3755	6.2	39	3.6	327.5	3774	6.5	27	2.5	324.6	3778	6.7	31	2.9	326.0	3768	650
675	6.7	41	3.7	325.0	3447	8.6	35	3.6	326.9	3463	8.3	30	3.0	324.7	3468	8.7	33	3.4	326.5	3457	675
700	8.9	50	5.1	328.4	3147	10.6	26	3.0	323.9	3162	10.3	27	3.0	323.7	3166	10.8	28	3.2	324.9	3155	700
725	11.0	30	3.4	322.4	2855	12.4	19	2.4	321.0	2869	12.3	21	2.6	321.6	2873	12.8	23	2.9	323.0	2862	725
750	12.8	24	2.9	319.8	2571	14.0	17	2.3	319.3	2584	13.7	23	3.1	321.4	2589	14.1	25	3.4	322.7	2577	750
775	13.8	42	5.3	325.1	2296	15.3	23	3.3	320.8	2307	15.2	25	3.5	321.4	2312	15.0	31	4.3	323.5	2300	775
800	14.9	43	5.8	324.7	2027	16.5	30	4.3	322.4	2038	16.6	27	4.0	321.5	2043	15.9	37	5.2	324.3	2031	800
825	16.0	44	6.0	323.8	1766	17.7	36	5.5	324.2	1775	17.9	29	4.5	321.7	1780	16.8	43	6.2	325.2	1769	825
850	17.0	45	6.5	323.5	1512	18.3	52	8.1	329.5	1520	18.4	39	6.1	324.1	1525	17.2	56	8.1	328.3	1514	850
875	17.5	76	11.1	334.1	1264	18.4	78	11.9	337.4	1271	18.9	51	8.0	327.2	1276	18.8	57	8.9	329.6	1266	875
900	18.3	85	12.6	336.4	1023	19.6	80	12.9	338.9	1028	20.0	57	9.3	329.3	1033	20.4	58	9.7	331.0	1023	900
925	19.2	90	13.7	337.7	786	21.0	77	13.1	338.4	791	21.1	62	10.6	331.6	796	21.9	59	10.5	332.4	785	925
950	20.0	95	14.8	339.1	556	22.4	73	13.2	337.8	558	22.1	67	12.0	334.0	564	22.7	63	11.5	333.4	553	950
975	21.7	94	15.9	341.6	330	24.2	78	15.4	343.5	331	23.4	73	13.7	337.8	338	23.1	67	12.4	333.9	326	975
1000	24.2	88	16.9	344.9	109	26.0	83	17.8	349.7	108	27.0	81	18.5	352.8	114	25.0	63	12.8	334.7	104	1000
SFC.	25.4	85	17.4	346.5	0	26.9	85	19.1	353.0	0	28.8	85	21.4	361.8	0	29.0	67	16.9	350.0	0	SFC.
				SURFACE PRESSURE	1012.4				SURFACE PRESSURE	1012.2				SURFACE PRESSURE	1012.9				SURFACE PRESSURE	1011.8	

APPENDIX B: THERMODYNAMIC DATA BELOW 60 mb (*USC&GSS SURVEYOR*)

Day-to-day Positions of the *Surveyor* . . . . .  
Thermodynamic Data . . . . .



*** POSITION			LINE ISLANDS EXPERIMENT										HOURLY OBSERVATIONS										***										
STATION NO. 9WTES			SHIP SURVEYOR							FEB 1967																							
			LATITUDE (DEGREES & TENTHS)																														
DAY	LOCAL HOUR																																
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24									
16								90	89	86	84	81	79	79	76	74	73	70	69	66	64	61	60	59									
17	59	59	59	59	59	59	59	59	59	59	59	58	58	59	59	59	59	59	59	59	59	59	59	59									
18	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59									
19	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59									
20	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	59	60	60	60	60	60									
21	60	58	58	56	55	53	53	53	51	50	49	48	47	46	47	47	48	48	48	47	46	45	43	43									
22	42	40	39	39	38	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39									
23	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39									
24	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	40	40	40	38	37	37	36									
25	36	35	35	34	34	33	33	32	31	31	31	31	30	29	28	27	26	24	23	20	19	17	16	15									
26	13	13	10	8	7	6	5	4	2	1	0	-1	-2	-4	-5	-6	-9	-10	-11	-13	-15	-16	-18	-19									
27	-20	-22	-23	-26	-27	-28	-30	-30	-30	-30	-30	-30	-29	-28	-25	-23	-20	-19	-18	-15	-13	-10	-9	-7									
28	-5	-3	-3	-4	-5	-6	-6	-9	-12	-14	-15	-14	-13	-10	-9	-6	-5	-3	-1	0	1	3	4	5									

NEGATIVE SIGN = SOUTH LATITUDE

*** POSITION			LINE ISLANDS EXPERIMENT										HOURLY OBSERVATIONS										***										
STATION NO. 9WTES			SHIP SURVEYOR							FEB 1967																							
			WEST LONGITUDE (DEGREES & TENTHS + 100)																														
DAY	LOCAL HOUR																																
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24									
16								579	579	579	579	579	579	579	579	579	579	579	579	578	578	578	578	579									
17	581	584	586	585	591	594	596	598	601	603	606	611	612	615	616	618	620	623	623	623	623	623	623	622									
18	622	622	622	622	622	622	622	622	622	622	622	622	622	622	622	622	622	622	622	622	621	621	621	621									
19	621	621	621	621	621	621	621	621	621	620	620	620	620	620	620	621	621	621	621	621	621	621	621	621									
20	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	623	625	625	625	624	622	620	618									
21	618	618	618	618	614	613	613	611	610	607	607	607	607	607	605	605	603	602	602	602	602	600	599	599									
22	598	597	597	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594									
23	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594									
24	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594	590	590	590	590	589	587	585									
25	583	581	579	577	575	572	572	570	568	566	564	562	560	560	560	560	560	560	560	560	560	560	560	560									
26	560	560	560	560	560	560	560	560	560	560	560	560	560	560	560	560	560	560	560	561	561	561	561	561									
27	561	561	561	564	564	564	564	564	565	566	570	575	575	575	575	575	575	575	575	575	578	579	580	582									
28	584	585	585	584	583	582	581	579	577	576	575	575	575	575	575	575	575	575	575	575	575	575	575	575									

***		POSITION										LINE ISLANDS EXPERIMENT										HOURLY OBSERVATIONS										***	
		STATION NO. 9WTES					SHIP SURVEYOR																									MAR 1967	
												LATITUDE (DEGREES & TENTHS )										LOCAL HOUR											
DAY		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24								
1		8	9	10	11	13	15	17	18	18	19	19	19	19	18	19	19	19	20	20	25	28	30	32	35								
2		37	39	42	44	46	49	52	53	54	57	60	62	63	65	65	65	65	67	67	70	72	75	77	79								
3		81	83	86	88	90	91	93	96	98	100	101	104	108	111	113	115	118	120	122	125	128	130	132	134								
4		137	139	141	144	146	148	151	154	157	159	162	164	166	168	171	173	175	177	180	182	184	187	189	M								
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11								178	175	173	171	169	166	165	163	159	155	153	150	149	148	145	143	140	138								
12		135	133	130	128	126	124	122	119	117	114	111	108	106	104	101	98	96	94	92	88	86	84	82	79								
13		77	75	73	70	68	66	65	64	65	65	65	65	65	65	65	65	65	65	65	62	62	62	62	63								
14		63	63	63	64	64	64	64	64	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65								
15		65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	64	65	65	65	65	65	65	65	65								
16		65	65	65	65	64	64	64	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65								
17		65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65								
18		65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65								
19		65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65								
20		65	65	65	65	65	65	65	65	65	65	64	64	64	64	64	64	64	64	64	64	64	64	64	64								
21		64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64								
22		64	64	64	64	65	65	65	65	65	65	65	65	64	64	64	64	64	64	64	64	64	64	64	64								
23		64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	65	65	65	65	65	65								
24		65	65	65	65	65	65	65	65	65	65	65	65	65	65	64	64	64	64	64	64	64	64	64	64								
25		64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	62	59	57	55								
26		53	51	49	47	45	43	41	39	39	39	39	39	39	39	39	39	39	42	43	44	45	47	49	50								
27		51	53	54	55	56	57	58	59	59	59	59	59	59	59	59	59	59	59	59	61	61	61	61	61								
28		61	61	61	61	61	61	61	61	61	61	61	61	61	63	65	67	70	72	M	78	80	83	85	88								
29		90	93	96	98	99	101	104	106	108	111	112	114	116	119	123	126	129	131	133	134	137	139	141	144								
30		146	148	151	153	156	158	160	164	166	168																						

NEGATIVE SIGN = SOUTH LATITUDE



*** POSITION		LINE ISLANDS EXPERIMENT										HOURLY OBSERVATIONS										***			
STATION NO. 9WTES		SHIP SURVEYOR										MAR 1967													
		WEST LONGITUDE (DEGREES & TENTHS + 100)																							
DAY	LOCAL HOUR																								
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	575	575	575	575	575	575	576	576	577	578	578	578	578	578	575	577	579	579	575	576	576	577	577	577	
2	578	578	578	578	578	579	579	580	581	581	581	581	581	581	581	581	581	582	582	580	580	580	580	580	
3	580	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	582	582	582	582	582	
4	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582	583	584	584	584	584	584	
5																									
6																									
7																									
8																									
9																									
10																									
11							585	585	585	585	585	585	585	585	585	585	585	585	585	585	584	584	584	584	
12	584	584	584	584	583	583	583	583	583	583	583	583	583	583	583	583	583	583	582	582	582	582	582	582	
13	582	582	582	582	581	580	590	579	579	579	579	579	579	579	579	579	579	579	577	577	577	577	577	577	
14	577	578	578	578	579	579	579	579	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	
15	580	580	580	580	580	580	580	580	580	580	580	580	580	580	579	580	580	580	580	580	580	580	580	580	
16	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	
17	580	580	579	579	579	579	579	579	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	
18	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	
19	580	580	580	580	580	580	580	580	580	580	580	580	580	579	579	579	579	579	579	579	579	579	579	579	
20	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	
21	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	
22	579	579	579	579	579	580	580	580	580	580	580	580	579	579	579	579	579	579	579	579	579	579	579	579	
23	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	
24	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	
25	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	580	581	583	584	
26	585	587	588	590	591	592	594	595	595	595	595	595	595	595	595	595	595	597	602	604	607	608	610	610	
27	612	614	616	618	619	621	621	621	621	621	621	621	621	621	621	621	621	621	621	622	619	616	614	614	
28	612	609	607	605	602	600	598	595	593	591	588	585	583	583	583	583	583	583	583	583	583	583	583	583	
29	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	
30	583	584	584	583	583	583	583	583	584	584															



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

2/16 030 GMT						2/16 1158 GMT					2/16 2328 GMT					2/17 11 0 GMT					P		
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	60	
70	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	70	
80	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-70.4	0	0.0	417.4	17777	0.0	0	0.0	0.0	0	0	80	
90	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-74.6	0	0.0	395.3	17085	0.0	0	0.0	0.0	0	0	90	
100	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-72.8	0	0.0	387.1	16472	-74.0	0	0.0	384.8	16420	0	100	
110	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-70.8	0	0.0	380.4	15910	-71.9	0	0.0	378.3	15861	0	110	
120	-67.9	0	0.0	376.4	15397	0.0	0	0.0	0.0	0	-69.1	0	0.0	374.3	15393	-70.0	0	0.0	372.5	15346	0	120	
130	-66.0	0	0.0	371.3	14913	0.0	0	0.0	0.0	0	-67.4	0	0.0	368.7	14912	-68.3	0	0.0	367.2	14868	0	130	
140	-64.3	0	0.0	366.6	14462	0.0	0	0.0	0.0	0	-66.2	0	0.0	363.2	14464	-69.6	0	0.0	357.1	14423	0	140	
150	-62.6	0	0.0	362.2	14038	0.0	0	0.0	0.0	0	-66.2	0	0.0	356.1	14046	-68.3	0	0.0	352.4	14011	0	150	
160	-62.8	0	0.0	355.2	13639	0.0	0	0.0	0.0	0	-66.0	0	0.0	350.0	13655	-66.4	0	0.0	349.3	13622	0	160	
170	-65.5	0	0.0	344.7	13268	0.0	0	0.0	0.0	0	-63.6	0	0.0	347.8	13285	-64.5	0	0.0	346.3	13253	0	170	
180	-64.3	0	0.0	341.1	12921	0.0	0	0.0	0.0	0	-61.4	0	0.0	345.8	12932	-61.9	0	0.0	345.0	12902	0	180	
190	-61.5	0	0.0	340.3	12588	0.0	0	0.0	0.0	0	-59.3	0	0.0	343.9	12595	-59.0	0	0.0	344.4	12565	0	190	
200	-58.9	0	0.0	339.5	12268	0.0	0	0.0	0.0	0	-57.3	0	0.0	342.0	12273	-56.3	0	0.0	343.7	12241	0	200	
225	-52.8	0	0.0	337.6	11518	0.0	0	0.0	0.0	0	-51.5	0	0.0	339.6	11519	-50.0	0	0.0	341.9	11482	0	225	
250	-46.2	0	0.0	337.4	10828	0.0	0	0.0	0.0	0	-45.6	0	0.0	338.2	10826	-45.9	0	0.0	337.9	10786	0	250	
275	-40.2	0	0.0	337.0	10187	0.0	0	0.0	0.0	0	-41.1	0	0.0	335.6	10185	-39.9	41	.2	338.2	10146	0	275	
300	-35.6	36	.2	336.1	9587	0.0	0	0.0	0.0	0	-35.6	18	.1	335.7	9587	-36.8	41	.2	334.4	9548	0	300	
325	-31.4	39	.3	334.7	9025	0.0	0	0.0	0.0	0	-30.7	18	.2	335.1	9024	-33.9	42	.3	331.0	8990	0	325	
350	-27.5	42	.5	333.5	8496	0.0	0	0.0	0.0	0	-26.2	18	.2	334.3	8493	-29.6	40	.4	330.3	8467	0	350	
375	-23.8	36	.5	332.1	7996	0.0	0	0.0	0.0	0	-22.1	17	.3	333.6	7990	-25.2	43	.6	330.4	7970	0	375	
400	-20.3	22	.4	330.2	7521	0.0	0	0.0	0.0	0	-18.2	17	.4	332.8	7511	-21.3	55	1.0	330.8	7497	0	400	
425	-16.9	23	.5	329.4	7069	0.0	0	0.0	0.0	0	-15.6	21	.6	331.0	7056	-18.3	88	1.9	332.0	7047	0	425	
450	-13.6	23	.7	328.6	6637	0.0	0	0.0	0.0	0	-13.2	24	.7	329.3	6623	-16.2	98	2.4	330.9	6618	0	450	
475	-10.6	24	.9	328.0	6224	-11.1	97	3.4	335.5	6219	-11.0	28	1.0	327.9	6210	-12.9	68	2.0	328.9	6208	0	475	
500	-9.0	25	1.0	325.5	5828	-9.0	98	3.8	334.5	5813	-8.8	31	1.2	326.6	5814	-9.9	47	1.7	326.7	5815	0	500	
525	-6.2	29	1.3	325.6	5448	-8.6	75	2.8	327.5	5434	-6.2	35	1.6	326.4	5434	-7.4	39	1.6	325.0	5436	0	525	
550	-3.3	34	1.8	326.4	5082	-5.1	66	3.1	328.2	5070	-3.6	39	2.1	326.8	5068	-5.0	34	1.6	323.7	5072	0	550	
575	-1.5	48	2.8	327.5	4729	-1.9	59	3.4	328.8	4719	-1.1	43	2.6	327.3	4715	-2.6	40	2.2	324.2	4721	0	575	
600	.7	51	3.4	328.1	4389	-.5	83	5.1	331.8	4379	1.3	46	3.2	328.0	4374	-.2	45	2.8	325.0	4382	0	600	
625	3.4	46	3.6	327.9	4059	1.9	71	5.0	330.3	4050	2.7	43	3.2	325.9	4044	2.0	50	3.5	326.0	4054	0	625	
650	5.7	43	3.8	327.6	3739	3.3	68	5.0	328.4	3733	4.1	48	3.8	325.7	3726	3.9	57	4.5	327.6	3736	0	650	
675	7.6	42	4.1	327.4	3429	4.6	65	5.1	326.6	3426	5.6	55	4.7	326.5	3418	4.1	85	6.5	330.1	3429	0	675	
700	9.5	42	4.5	327.2	3128	5.7	62	5.1	324.4	3128	7.2	50	4.6	324.7	3119	6.3	75	6.4	328.9	3131	0	700	
725	7.3	53	4.7	321.9	2840	6.6	65	5.5	323.5	2841	8.7	45	4.4	322.7	2830	8.5	67	6.5	328.4	2842	0	725	
750	10.1	80	8.3	332.5	2558	10.0	99	10.2	337.6	2560	10.3	42	4.4	321.3	2548	10.8	64	6.9	329.2	2560	0	750	
775	11.2	76	8.3	330.5	2284	11.3	99	10.8	337.8	2286	12.4	40	4.7	321.7	2274	13.1	60	7.3	329.9	2285	0	775	
800	12.9	57	6.6	324.8	2018	12.6	99	11.5	338.0	2019	14.5	39	5.0	322.0	2007	13.0	80	9.5	332.8	2017	0	800	
825	14.3	58	7.2	325.1	1758	14.0	99	12.2	338.6	1759	16.5	37	5.3	322.3	1746	13.1	90	10.4	332.6	1758	0	825	
850	15.6	64	8.4	327.2	1505	15.5	99	12.9	339.5	1505	18.4	36	5.6	322.6	1491	14.4	88	10.7	332.2	1506	0	850	
875	16.9	70	9.7	329.5	1258	16.9	98	13.7	340.5	1258	20.3	35	5.9	322.9	1242	15.9	91	11.9	334.3	1259	0	875	
900	18.2	75	11.0	331.8	1017	18.3	97	14.4	341.2	1016	21.5	37	6.5	323.4	999	17.4	93	13.0	336.5	1018	0	900	
925	20.0	72	11.6	332.9	781	20.0	88	14.3	340.4	779	21.5	44	7.7	324.1	761	18.8	96	14.3	338.8	783	0	925	
950	21.7	70	12.1	334.0	550	21.6	84	14.5	340.3	548	21.3	56	9.4	325.9	530	20.3	97	15.4	341.1	552	0	950	
975	23.4	68	12.7	335.0	323	22.8	85	15.4	341.5	321	23.5	64	12.1	333.4	304	22.2	91	16.0	342.6	326	0	975	
1000	24.9	73	14.7	339.7	101	24.1	85	16.2	342.8	99	25.7	72	15.2	342.1	81	24.1	86	16.6	343.8	104	0	1000	
SFC.	25.5	78	16.1	343.0	0	24.6	85	16.6	343.3	0	26.5	75	16.4	345.5	0	25.0	84	16.8	344.3	0	0	SFC.	
				SURFACE PRESSURE	1011.5				SURFACE PRESSURE	1011.3				SURFACE PRESSURE	1009.2				SURFACE PRESSURE	1011.9			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

2/17 2310 GMT					2/18 11 9 GMT					2/18 23 4 GMT					2/19 11 6 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-65.5	0	0.0	464.4	19534	-68.3	0	0.0	458.1	19450	-64.8	0	0.0	465.9	19515	-68.9	0	0.0	456.8	19481	60
70	-69.6	0	0.0	435.6	18602	-71.7	0	0.0	431.1	18540	-69.5	0	0.0	435.7	18585	-73.4	0	0.0	427.3	18571	70
80	-72.9	0	0.0	412.3	17816	-76.0	0	0.0	406.1	17760	-74.4	0	0.0	409.3	17793	-77.0	0	0.0	403.9	17792	80
90	-72.8	0	0.0	398.9	17125	-75.7	0	0.0	393.1	17079	-76.0	0	0.0	392.6	17113	-76.0	0	0.0	392.6	17113	90
100	-72.7	0	0.0	387.3	16507	-75.5	0	0.0	381.9	16470	-75.8	0	0.0	381.3	16504	-78.3	0	0.0	376.5	16508	100
110	-72.6	0	0.0	377.1	15947	-72.4	0	0.0	377.3	15914	-73.6	0	0.0	375.2	15950	-75.5	0	0.0	371.5	15960	110
120	-71.4	0	0.0	369.9	15435	-71.1	0	0.0	370.6	15400	-71.5	0	0.0	369.7	15439	-73.0	0	0.0	367.1	15453	120
130	-68.1	0	0.0	367.5	14959	-70.7	0	0.0	362.8	14926	-69.4	0	0.0	365.3	14964	-69.2	0	0.0	365.6	14980	130
140	-65.0	0	0.0	365.3	14510	-69.6	0	0.0	357.3	14486	-66.9	0	0.0	362.0	14519	-65.7	0	0.0	364.1	14533	140
150	-63.8	0	0.0	360.2	14088	-67.9	0	0.0	353.1	14073	-64.6	0	0.0	358.8	14100	-62.4	0	0.0	362.7	14111	150
160	-63.0	0	0.0	354.9	13692	-66.2	0	0.0	349.5	13683	-62.4	0	0.0	355.9	13704	-59.3	0	0.0	361.2	13709	160
170	-62.4	0	0.0	349.9	13318	-63.5	0	0.0	348.1	13313	-60.4	0	0.0	353.1	13328	-56.4	0	0.0	359.8	13327	170
180	-60.3	0	0.0	347.6	12964	-60.8	0	0.0	346.7	12960	-58.5	0	0.0	350.5	12970	-54.5	0	0.0	357.2	12963	180
190	-57.5	0	0.0	346.8	12625	-58.4	0	0.0	345.4	12622	-56.7	0	0.0	348.1	12629	-52.6	0	0.0	354.6	12615	190
200	-54.8	0	0.0	346.1	12299	-56.0	0	0.0	344.0	12298	-54.8	0	0.0	346.1	12302	-50.9	0	0.0	352.2	12282	200
225	-48.5	0	0.0	344.1	11534	-50.7	0	0.0	340.9	11540	-49.1	0	0.0	343.3	11539	-46.8	0	0.0	346.7	11509	225
250	-43.0	0	0.0	342.2	10833	-45.6	0	0.0	338.3	10846	-44.1	0	0.0	340.5	10840	-46.1	0	0.0	337.5	10808	250
275	-40.0	22	.1	337.7	10184	-39.8	53	.2	338.5	10202	-39.7	29	.1	338.2	10195	-42.2	0	0.0	334.1	10169	275
300	-36.3	27	.2	334.8	9587	-35.6	48	.3	336.3	9602	-35.2	30	.2	336.5	9594	-37.7	M	M	M	9575	300
325	-32.1	31	.2	333.5	9026	-31.2	60	.5	335.7	9040	-31.1	30	.3	334.9	9031	-32.6	M	M	M	9017	325
350	-28.1	35	.4	332.3	8499	-27.2	60	.7	334.7	8511	-27.2	31	.4	333.5	8502	-28.3	M	M	M	8491	350
375	-24.3	33	.5	331.2	8000	-23.6	47	.7	333.0	8010	-23.6	31	.5	332.1	8001	-24.4	M	M	M	7992	375
400	-20.7	31	.6	330.2	7526	-20.3	47	.9	331.9	7535	-20.3	32	.6	330.9	7526	-20.6	M	M	M	7518	400
425	-17.3	29	.7	329.2	7075	-17.1	44	1.0	330.8	7083	-16.6	27	.7	330.2	7074	-17.1	M	M	M	7067	425
450	-13.4	31	.9	329.7	6643	-13.9	60	1.7	331.9	6651	-13.1	23	.7	329.4	6641	-13.8	M	M	M	6635	450
475	-9.5	33	1.3	330.8	6228	-11.2	61	2.1	331.3	6238	-9.9	21	.8	328.6	6227	-10.6	M	M	M	6222	475
500	-7.8	40	1.7	329.4	5830	-8.7	71	2.8	331.9	5842	-7.4	31	1.4	328.8	5829	-7.6	M	M	M	5826	500
525	-5.3	41	2.0	328.8	5449	-6.3	80	3.7	332.9	5462	-5.1	41	2.1	329.3	5447	-5.0	M	M	M	5444	525
550	-3.0	41	2.3	328.3	5082	-5.0	82	3.9	330.9	5096	-2.8	50	2.8	330.1	5080	-2.7	M	M	M	5077	550
575	-.7	42	2.6	327.8	4728	-2.2	74	4.2	330.7	4745	-.4	48	3.1	329.8	4726	-.5	M	M	M	4724	575
600	1.4	42	3.0	327.5	4387	.5	65	4.3	330.5	4404	1.9	47	3.4	329.6	4384	1.5	M	M	M	4383	600
625	3.5	43	3.3	327.3	4057	2.9	59	4.5	330.1	4075	4.1	46	3.8	329.3	4053	3.5	M	M	M	4053	625
650	5.4	43	3.7	327.1	3737	5.0	56	4.8	329.7	3756	6.0	45	4.1	328.8	3733	5.4	M	M	M	3734	650
675	7.3	44	4.1	327.1	3427	7.1	54	5.0	329.3	3446	7.5	45	4.4	328.0	3422	7.2	M	M	M	3426	675
700	9.2	44	4.6	327.1	3127	9.0	51	5.2	328.8	3146	9.0	46	4.7	327.2	3122	9.0	M	M	M	3126	700
725	9.6	50	5.2	326.1	2835	10.9	48	5.4	328.3	2854	10.4	46	5.0	326.5	2830	10.7	M	M	M	2835	725
750	10.0	57	5.9	325.3	2554	12.7	46	5.6	327.8	2570	11.8	46	5.3	325.8	2547	12.3	M	M	M	2553	750
775	13.0	70	8.5	333.2	2279	14.1	51	6.6	329.2	2294	13.0	54	6.6	327.7	2272	13.7	M	M	M	2278	775
800	14.4	66	8.5	331.9	2011	14.6	71	9.4	334.7	2025	14.2	63	8.0	330.3	2004	15.1	M	M	M	2010	800
825	15.8	63	8.7	331.2	1749	15.6	83	11.3	338.2	1764	15.3	72	9.6	333.0	1743	16.5	M	M	M	1750	825
850	17.2	65	9.4	331.8	1495	16.9	87	12.5	340.1	1509	16.5	69	9.7	331.8	1489	17.8	M	M	M	1496	850
875	18.4	66	10.1	332.5	1246	18.2	90	13.7	342.2	1260	17.7	67	9.7	330.5	1241	19.0	M	M	M	1249	875
900	19.7	67	10.8	333.2	1004	20.0	81	13.4	340.6	1017	19.1	71	11.1	333.2	999	20.3	M	M	M	1007	900
925	20.9	68	11.5	334.0	767	21.5	75	13.2	339.3	780	20.5	78	12.9	337.1	763	21.5	M	M	M	771	925
950	22.1	69	12.3	334.8	535	22.1	88	15.7	344.2	547	22.0	81	14.3	340.2	531	22.8	M	M	M	541	950
975	23.2	70	13.0	335.7	308	23.8	85	16.3	345.5	320	23.8	73	14.1	339.3	304	24.1	M	M	M	314	975
1000	24.8	79	15.7	342.2	86	25.5	81	16.9	346.6	97	25.6	77	16.1	344.5	81	25.5	M	M	M	91	1000
SFC.	25.7	88	18.4	349.9	0	26.2	80	17.2	347.1	0	26.2	83	17.9	349.2	0	26.0	84	17.9	348.7	0	SFC.
				SURFACE PRESSURE	1009.8				SURFACE PRESSURE	1011.0				SURFACE PRESSURE	1009.2				SURFACE PRESSURE	1010.4	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

P	T	2/19 2310 GMT				2/20 11 3 GMT				2/20 2312 GMT				2/21 1111 GMT					P		
		RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H						
60	-64.9	0	0.0	465.8	19543	-66.1	0	0.0	462.9	19404	-65.1	0	0.0	465.2	19524	0.0	0	0.0	0.0	0	60
70	-71.6	0	0.0	431.3	18618	-74.4	0	0.0	425.3	18488	-72.4	0	0.0	429.6	18606	0.0	0	0.0	0.0	0	70
80	-77.4	0	0.0	403.1	17841	-81.5	0	0.0	394.7	17724	-74.9	0	0.0	408.3	17824	0.0	0	0.0	0.0	0	80
90	-75.2	0	0.0	394.2	17162	-81.6	0	0.0	381.4	17065	-77.7	0	0.0	389.2	17150	0.0	0	0.0	0.0	0	90
100	-74.1	0	0.0	384.6	16548	-80.3	0	0.0	372.6	16472	-79.5	0	0.0	374.1	16550	0.0	0	0.0	0.0	0	100
110	-74.4	0	0.0	373.7	15995	-76.9	0	0.0	369.0	15929	-75.6	0	0.0	371.4	16004	0.0	0	0.0	0.0	0	110
120	-73.1	0	0.0	366.8	15487	-73.8	0	0.0	365.6	15425	-72.0	0	0.0	368.8	15496	0.0	0	0.0	0.0	0	120
130	-70.3	0	0.0	363.7	15015	-71.0	0	0.0	362.4	14955	-70.2	0	0.0	363.7	15021	0.0	0	0.0	0.0	0	130
140	-67.4	0	0.0	361.0	14571	-68.3	0	0.0	359.4	14513	-70.0	0	0.0	356.5	14582	0.0	0	0.0	0.0	0	140
150	-64.8	0	0.0	358.5	14153	-65.8	0	0.0	356.7	14097	-67.1	0	0.0	354.6	14168	0.0	0	0.0	0.0	0	150
160	-62.3	0	0.0	356.1	13757	-63.1	0	0.0	354.8	13702	-64.4	0	0.0	352.6	13776	0.0	0	0.0	0.0	0	160
170	-59.9	0	0.0	353.9	13380	-60.5	0	0.0	352.9	13327	-61.8	0	0.0	350.8	13403	0.0	0	0.0	0.0	0	170
180	-57.5	0	0.0	352.2	13021	-58.3	0	0.0	350.8	12969	-59.4	0	0.0	349.0	13048	0.0	0	0.0	0.0	0	180
190	-55.1	0	0.0	350.6	12678	-56.9	0	0.0	347.7	12628	-57.2	0	0.0	347.3	12708	0.0	0	0.0	0.0	0	190
200	-52.9	0	0.0	349.0	12349	-55.2	0	0.0	345.3	12302	-55.0	0	0.0	345.6	12382	0.0	0	0.0	0.0	0	200
225	-47.8	0	0.0	345.2	11580	-49.3	0	0.0	342.9	11540	-49.4	0	0.0	342.9	11620	0.0	0	0.0	0.0	0	225
250	-42.2	0	0.0	343.3	10877	-44.0	0	0.0	340.6	10841	-43.3	0	0.0	341.7	10920	0.0	0	0.0	0.0	0	250
275	-38.0	17	.1	340.6	10226	-39.2	30	.1	339.0	10195	-37.8	M	M	M	10271	0.0	0	0.0	0.0	0	275
300	-34.9	20	.1	336.7	9623	-34.4	32	.2	337.8	9593	-32.7	M	M	M	9665	0.0	0	0.0	0.0	0	300
325	-31.8	23	.2	333.5	9061	-33.2	80	.6	333.1	9030	-28.1	M	M	M	9096	-27.3	28	.3	340.5	9095	325
350	-27.4	21	.2	332.8	8532	-28.7	83	.8	333.1	8505	-23.8	M	M	M	8559	-23.6	29	.5	338.8	8557	350
375	-23.3	20	.3	332.0	8031	-24.6	86	1.2	333.3	8006	-19.8	M	M	M	8052	-20.1	30	.6	337.3	8049	375
400	-19.4	19	.4	331.3	7555	-20.7	88	1.6	333.8	7532	-16.1	M	M	M	7569	-16.9	31	.8	336.0	7568	400
425	-15.9	25	.6	331.0	7102	-17.6	85	1.9	333.1	7081	-13.0	M	M	M	7110	-13.4	34	1.1	335.9	7109	425
450	-12.5	30	1.0	331.0	6668	-14.1	73	2.1	332.6	6650	-10.1	M	M	M	6672	-12.0	69	2.3	336.2	6673	450
475	-9.4	32	1.3	330.8	6252	-11.5	78	2.6	332.5	6237	-7.4	M	M	M	6253	-8.0	40	1.8	334.3	6256	475
500	-6.5	30	1.4	330.1	5854	-8.7	70	2.8	331.7	5842	-5.7	M	M	M	5852	-6.8	54	2.5	333.3	5855	500
525	-3.8	28	1.6	329.3	5471	-5.8	52	2.5	329.7	5461	-4.2	77	4.1	336.9	5468	-4.0	36	1.9	330.2	5472	525
550	-1.2	27	1.7	328.5	5102	-3.1	42	2.3	328.2	5095	.1	86	6.0	343.6	5098	-.9	30	2.0	329.7	5103	550
575	1.3	25	1.8	327.8	4745	-.4	40	2.6	328.2	4741	2.0	85	6.6	343.3	4740	2.0	25	1.9	328.9	4747	575
600	3.2	29	2.3	327.5	4402	2.1	39	2.9	328.1	4399	3.6	84	7.0	342.6	4395	4.4	25	2.2	328.6	4401	600
625	4.9	33	2.8	327.4	4070	4.6	37	3.1	328.0	4067	5.3	84	7.5	341.9	4061	4.9	61	5.3	335.0	4069	625
650	6.6	36	3.4	327.5	3749	6.9	35	3.4	327.9	3746	6.8	83	7.9	341.4	3739	6.1	84	7.7	339.7	3747	650
675	8.2	40	4.0	327.7	3438	8.7	38	4.0	328.1	3435	8.3	82	8.4	340.8	3427	8.0	75	7.4	337.6	3436	675
700	9.8	43	4.6	327.9	3137	10.2	42	4.7	328.6	3133	9.4	83	8.8	339.7	3125	9.4	85	9.0	340.4	3135	700
725	11.1	45	5.2	327.8	2844	11.6	46	5.5	329.2	2841	9.8	86	9.1	337.7	2833	11.1	85	9.8	341.3	2842	725
750	12.5	47	5.7	327.8	2561	13.0	50	6.3	330.0	2556	10.7	86	9.4	336.2	2550	12.8	94	11.6	345.2	2557	750
775	13.8	49	6.3	327.9	2285	13.5	75	9.5	336.8	2280	12.2	77	8.9	333.4	2275	13.7	97	12.4	345.3	2280	775
800	15.0	51	6.9	328.1	2016	14.6	77	10.2	336.9	2011	13.2	76	9.0	331.9	2008	14.6	97	12.8	344.0	2011	800
825	16.3	53	7.5	328.3	1755	15.6	80	10.9	337.1	1750	15.1	73	9.6	332.8	1748	15.4	97	13.1	342.8	1749	825
850	17.4	55	8.2	328.7	1500	16.6	82	11.6	337.3	1495	17.1	70	10.1	333.6	1493	16.6	96	13.6	342.8	1494	850
875	18.6	57	8.8	329.1	1251	17.7	84	12.4	337.8	1247	18.9	67	10.6	334.4	1245	18.1	94	14.3	343.6	1246	875
900	19.7	59	9.5	329.6	1009	19.3	86	13.6	340.5	1004	20.7	64	11.0	335.1	1001	19.6	93	15.0	344.5	1003	900
925	21.3	64	11.1	333.4	772	20.9	88	14.9	343.2	767	22.4	63	11.7	336.3	763	21.0	91	15.6	345.4	765	925
950	22.9	70	13.0	337.8	539	22.4	89	16.3	346.2	535	23.4	72	13.8	340.6	530	22.4	90	16.3	346.3	532	950
975	24.5	75	15.0	342.7	312	24.0	87	17.0	347.5	307	24.3	80	15.9	345.0	302	23.8	88	17.0	347.2	305	975
1000	26.0	80	17.2	347.9	88	25.6	83	17.3	347.8	84	25.3	88	18.2	349.6	79	25.1	87	17.7	348.0	82	1000
SFC.	26.6	82	18.1	350.1	0	26.2	81	17.4	347.9	0	25.6	91	19.0	351.3	0	25.6	86	17.9	348.4	0	SFC.
				SURFACE PRESSURE	1010.0				SURFACE PRESSURE	1009.5				SURFACE PRESSURE	1009.0				SURFACE PRESSURE	1009.3	

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA SHIP SURVEYOR

2/21 2313 GMT					2/22 1217 GMT					2/22 2354 GMT					2/23 1118 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-62.5	0	0.0	471.0	19546	-70.0	0	0.0	454.2	19344	-65.3	0	0.0	464.8	19587	-65.2	0	0.0	465.0	19421	60
70	-70.1	0	0.0	434.5	18611	-72.9	0	0.0	428.5	18433	-70.9	0	0.0	432.8	18665	-72.8	0	0.0	428.7	18492	70
80	-77.4	0	0.0	403.1	17831	-81.0	0	0.0	395.8	17665	-76.5	0	0.0	404.9	17878	-77.0	0	0.0	404.0	17722	80
90	-78.6	0	0.0	387.4	17158	-78.7	0	0.0	387.2	16999	-76.9	0	0.0	390.8	17202	-82.2	0	0.0	380.1	17058	90
100	-79.7	0	0.0	373.8	16559	-80.6	0	0.0	372.0	16471	-76.6	0	0.0	379.7	16596	-81.4	0	0.0	370.5	16468	100
110	-76.6	0	0.0	369.5	16015	-79.9	0	0.0	363.2	15863	-76.7	0	0.0	369.3	16050	-80.3	0	0.0	362.5	15932	110
120	-73.9	0	0.0	365.5	15511	-77.7	0	0.0	358.5	15368	-73.4	0	0.0	366.3	15545	-76.8	0	0.0	360.2	15436	120
130	-71.3	0	0.0	361.8	15040	-74.5	0	0.0	356.1	14976	-69.7	0	0.0	364.6	15073	-73.5	0	0.0	357.9	14972	130
140	-68.2	0	0.0	359.7	14599	-71.6	0	0.0	353.7	14472	-67.2	0	0.0	361.4	14628	-70.4	0	0.0	355.8	14535	140
150	-65.1	0	0.0	358.0	14182	-68.6	0	0.0	352.0	14062	-65.8	0	0.0	356.8	14211	-67.6	0	0.0	353.7	14123	150
160	-62.2	0	0.0	356.3	13786	-65.7	0	0.0	350.3	13672	-64.4	0	0.0	352.6	13817	-64.9	0	0.0	351.7	13732	160
170	-60.2	0	0.0	353.6	13409	-63.1	0	0.0	348.8	13372	-62.4	0	0.0	349.9	13445	-62.4	0	0.0	349.8	13360	170
180	-59.7	0	0.0	348.6	13052	-60.5	0	0.0	347.2	12948	-59.5	0	0.0	348.9	13090	-59.9	0	0.0	348.2	13005	180
190	-58.2	0	0.0	345.7	12713	-58.1	0	0.0	345.7	12609	-56.7	0	0.0	348.1	12750	-57.3	0	0.0	347.0	12665	190
200	-55.2	0	0.0	345.4	12388	-55.9	0	0.0	344.3	12285	-53.7	0	0.0	347.7	12422	-54.9	0	0.0	345.9	12339	200
225	-48.4	0	0.0	344.4	11625	-50.7	0	0.0	340.8	11526	-46.9	0	0.0	346.7	11654	-48.7	0	0.0	343.9	11576	225
250	-42.3	0	0.0	343.2	10922	-44.3	0	0.0	340.2	10830	-40.8	0	0.0	345.5	10946	-42.0	0	0.0	343.6	10873	250
275	-36.8	25	.1	342.5	10270	-38.6	36	.2	340.0	10184	-35.7	32	.2	344.5	10290	-36.8	29	.2	342.7	10221	275
300	-32.0	25	.2	341.2	9661	-33.9	36	.3	338.7	9580	-31.1	38	.4	342.9	9679	-32.4	27	.2	340.6	9613	300
325	-27.5	25	.3	340.1	9090	-29.6	36	.4	337.4	9014	-26.6	30	.4	341.6	9106	-28.4	25	.3	338.7	9043	325
350	-23.3	25	.4	339.0	8553	-25.5	36	.5	336.2	8481	-22.4	23	.4	340.2	8567	-24.4	27	.4	337.5	8508	350
375	-19.4	25	.5	338.0	8044	-21.8	36	.6	335.2	7976	-18.6	21	.5	339.0	8056	-20.5	30	.6	336.8	8001	375
400	-15.8	25	.7	337.1	7561	-18.3	36	.8	334.2	7498	-15.1	27	.8	338.4	7571	-16.9	34	.9	336.2	7520	400
425	-12.5	23	.8	335.9	7101	-14.7	32	.9	333.4	7042	-11.4	24	.9	337.7	7110	-13.3	27	.9	335.1	7062	425
450	-9.4	22	.9	334.7	6662	-11.4	28	1.0	332.5	6606	-7.8	20	1.0	336.9	6668	-10.0	21	.8	333.8	6624	450
475	-6.5	21	1.0	333.6	6241	-8.2	24	1.0	331.6	6189	-4.5	17	1.0	336.1	6245	-9.3	21	.8	329.4	6206	475
500	-3.8	19	1.1	332.5	5839	-8.5	26	1.0	330.5	5792	-3.5	22	1.3	333.5	5840	-7.9	22	.9	326.8	5809	500
525	-1.6	19	1.2	330.9	5452	-6.3	24	1.1	329.4	5411	-2.9	28	1.6	330.7	5454	-5.2	25	1.3	326.6	5428	525
550	.1	19	1.3	329.0	5080	-4.1	24	1.2	328.3	5045	-1.1	29	1.9	329.3	5085	-2.5	28	1.6	326.7	5061	550
575	1.8	19	1.4	327.2	4723	-1.8	24	1.3	327.2	4692	1.4	28	2.1	328.7	4729	-1.3	33	2.0	325.1	4707	575
600	3.5	19	1.5	325.5	4379	.4	24	1.4	326.1	4351	3.8	27	2.3	328.2	4384	.1	36	2.3	323.9	4367	600
625	5.0	19	1.7	323.8	4047	2.3	24	1.5	325.0	4022	5.7	28	2.6	327.6	4052	3.0	35	2.6	324.5	4038	625
650	6.7	26	2.4	324.7	3726	4.2	28	1.6	323.9	3704	7.5	29	2.9	327.1	3730	5.6	34	3.0	325.0	3719	650
675	8.4	33	3.4	326.2	3415	6.0	32	1.7	322.8	3396	9.3	30	3.2	326.6	3418	7.4	35	3.3	324.6	3409	675
700	10.1	41	4.5	327.9	3114	7.4	36	1.8	321.7	3097	11.0	31	3.6	326.3	3115	9.2	35	3.7	324.4	3109	700
725	11.6	48	5.7	329.9	2821	9.4	40	1.9	320.6	2806	12.6	32	4.0	326.0	2822	10.9	36	4.0	324.1	2817	725
750	13.2	51	6.4	330.8	2536	10.9	44	2.0	319.5	2523	14.2	33	4.4	325.9	2537	12.5	36	4.4	324.0	2533	750
775	14.8	41	5.7	327.3	2260	12.2	48	2.1	318.4	2248	15.7	33	4.8	325.8	2259	14.1	37	4.8	323.9	2258	775
800	15.9	39	5.5	325.1	1990	13.2	52	2.2	317.3	1980	17.1	34	5.2	325.8	1989	15.1	41	5.6	324.2	1989	800
825	15.6	52	7.0	326.1	1729	13.3	60	2.3	316.2	1721	18.5	36	5.8	326.0	1726	15.7	48	6.5	324.8	1728	825
850	16.3	64	8.8	329.1	1475	14.1	70	2.4	315.1	1469	18.5	51	6.1	329.8	1470	16.0	66	8.9	329.0	1474	850
875	17.5	75	10.9	333.5	1227	15.8	80	2.5	314.0	1223	18.9	62	7.7	332.0	1221	16.2	85	11.3	333.1	1227	875
900	18.9	78	12.0	335.6	985	17.5	90	2.6	312.9	982	20.6	56	9.6	330.9	978	17.5	79	11.1	331.3	986	900
925	20.5	75	12.4	335.8	749	19.1	84	12.8	335.2	746	22.1	52	9.5	329.8	740	18.6	82	12.0	332.4	751	925
950	22.0	72	12.7	335.8	517	20.7	84	13.7	337.0	515	22.8	56	10.4	330.5	508	19.9	86	13.3	335.0	521	950
975	23.5	68	12.9	335.8	290	22.3	83	14.6	338.8	289	23.8	61	11.6	332.4	281	22.5	83	14.8	339.7	295	975
1000	25.2	79	16.3	344.4	68	24.6	85	16.7	344.7	68	26.0	74	15.8	344.2	58	25.1	81	16.4	344.6	73	1000
SFC.	25.8	86	18.1	349.5	0	25.8	86	18.1	349.5	0	26.6	77	17.0	347.6	0	25.9	80	16.9	346.3	0	SFC.
				SURFACE PRESSURE	1007.7				SURFACE PRESSURE	1007.7				SURFACE PRESSURE	1006.6				SURFACE PRESSURE	1008.3	

B-10

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

2/23 2320 GMT					2/24 1125 GMT					2/24 17 4 GMT					2/24 23 2 GMT					P		
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	0.0	0	0.0	0.0	0	-69.4	0	0.0	455.6	19475	-67.4	25	.0	460.1	19463	-70.1	0	0.0	454.0	19532	60	
70	0.0	0	0.0	0.0	0	-69.3	0	0.0	436.1	18554	-68.9	25	.0	437.1	18539	-68.0	0	0.0	438.9	18611	70	
80	0.0	0	0.0	0.0	0	-78.6	0	0.0	400.7	17773	-75.3	26	.0	407.6	17754	-74.2	0	0.0	409.7	17827	80	
90	0.0	0	0.0	0.0	0	-83.1	0	0.0	378.4	17109	-80.0	26	.0	384.7	17078	-73.9	0	0.0	396.7	17138	90	
100	0.0	0	0.0	0.0	0	-83.3	0	0.0	366.8	16526	-83.4	26	.0	366.6	16489	-82.7	0	0.0	367.9	16542	100	
110	0.0	0	0.0	0.0	0	-80.5	0	0.0	362.3	15992	-80.4	26	.0	362.4	15956	-80.0	0	0.0	363.1	16007	110	
120	-75.9	0	0.0	361.7	15542	-76.1	0	0.0	361.4	15496	-76.9	26	.0	360.0	15460	-76.9	0	0.0	360.0	15511	120	
130	-72.5	0	0.0	359.6	15076	-72.4	0	0.0	359.7	15029	-73.0	26	.0	358.8	14996	-73.5	0	0.0	357.8	15047	130	
140	-69.4	0	0.0	337.5	14637	-69.7	0	0.0	357.0	14591	-69.4	26	.0	357.5	14557	-70.4	0	0.0	355.7	14610	140	
150	-66.5	0	0.0	355.5	14223	-67.2	0	0.0	354.4	14177	-66.4	26	.0	355.7	14142	-67.6	0	0.0	353.7	14198	150	
160	-63.8	0	0.0	353.6	13830	-64.8	0	0.0	351.9	13785	-64.0	26	.0	353.4	13749	-64.9	0	0.0	351.8	13807	160	
170	-60.8	0	0.0	352.6	13455	-61.9	0	0.0	350.8	13413	-61.4	26	.0	351.6	13376	-62.0	0	0.0	350.5	13434	170	
180	-57.9	0	0.0	351.5	13097	-58.8	0	0.0	350.1	13057	-58.9	26	.0	349.9	13019	-59.0	0	0.0	349.8	13078	180	
190	-55.2	0	0.0	350.5	12754	-56.2	0	0.0	348.9	12715	-56.6	26	.0	348.3	12678	-56.1	0	0.0	349.1	12737	190	
200	-52.6	0	0.0	349.5	12425	-53.7	0	0.0	347.8	12387	-54.4	26	.0	346.7	12351	-53.3	0	0.0	348.3	12409	200	
225	-46.7	0	0.0	347.0	11654	-48.0	0	0.0	345.0	11621	-48.2	25	.1	344.8	11587	-47.0	0	0.0	346.4	11640	225	
250	-41.4	0	0.0	344.5	10947	-41.8	0	0.0	343.9	10916	-42.5	24	.1	343.3	10884	-40.9	0	0.0	345.2	10933	250	
275	-36.0	23	.1	343.6	10293	-36.3	17	.1	343.1	10263	-37.2	23	.1	341.8	10232	-35.7	25	.2	344.3	10277	275	
300	-30.9	23	.2	342.7	9682	-31.2	17	.2	342.1	9653	-32.5	22	.2	340.4	9625	-30.9	24	.2	342.8	9666	300	
325	-26.3	23	.3	341.8	9109	-26.5	16	.2	341.0	9080	-27.9	21	.2	339.2	9056	-26.5	24	.3	341.5	9093	325	
350	-21.9	23	.4	340.9	8568	-22.2	16	.3	340.0	8540	-23.5	21	.3	338.4	8519	-22.5	24	.4	340.2	8553	350	
375	-18.3	24	.6	339.6	8056	-19.1	17	.4	337.9	8030	-19.4	21	.5	337.6	8010	-18.7	24	.6	339.0	8042	375	
400	-15.2	25	.7	338.0	7572	-16.3	18	.5	335.7	7547	-16.7	24	.6	335.6	7528	-15.2	24	.7	337.9	7558	400	
425	-11.7	23	.8	337.1	7110	-12.6	17	.6	335.0	7087	-13.2	23	.7	334.9	7069	-11.8	23	.8	336.9	7096	425	
450	-8.4	21	.9	336.1	6670	-9.1	16	.7	334.3	6648	-9.9	22	.9	334.0	6631	-8.7	23	1.0	336.0	6656	450	
475	-7.4	19	.9	332.0	6249	-7.5	14	.7	331.2	6228	-9.2	20	.8	329.5	6213	-6.3	24	1.2	334.5	6235	475	
500	-5.8	20	1.0	329.6	5849	-6.2	14	.7	327.9	5828	-7.4	21	.9	327.3	5816	-6.0	25	1.2	330.1	5834	500	
525	-3.4	22	1.2	328.7	5465	-3.7	14	.8	326.8	5445	-4.5	22	1.1	327.0	5433	-3.1	24	1.4	329.5	5450	525	
550	-1.1	23	1.5	328.1	5095	-1.2	14	.9	325.8	5076	-1.9	22	1.4	326.5	5065	-.4	22	1.5	328.8	5080	550	
575	1.1	25	1.8	327.5	4739	1.1	14	1.0	324.9	4720	.3	23	1.6	325.7	4710	2.0	21	1.6	328.0	4723	575	
600	3.3	26	2.1	327.1	4395	3.4	14	1.1	324.0	4377	1.6	23	1.6	323.6	4369	2.4	23	1.7	324.8	4380	600	
625	5.3	28	2.5	326.8	4063	5.0	15	1.3	322.6	4045	3.7	23	1.8	322.9	4039	4.7	24	2.0	324.6	4048	625	
650	7.2	29	2.9	326.6	3742	3.7	18	1.4	317.9	3725	3.1	62	4.5	326.7	3721	6.8	25	2.4	324.6	3728	650	
675	9.1	31	3.3	326.5	3430	5.1	68	5.6	328.5	3419	5.6	68	5.7	329.7	3413	7.6	59	5.7	332.1	3417	675	
700	10.9	32	3.7	326.5	3128	8.2	95	9.3	339.7	3119	8.0	74	7.1	333.2	3113	10.1	37	4.0	326.6	3116	700	
725	12.6	33	4.2	326.6	2834	10.3	91	9.9	340.6	2827	9.9	70	7.4	333.0	2822	11.7	39	4.6	326.8	2823	725	
750	14.3	34	4.7	326.9	2549	12.0	90	10.6	341.4	2543	11.5	76	8.6	334.9	2539	13.1	45	5.7	328.4	2539	750	
775	15.7	39	5.6	328.2	2271	13.4	91	11.4	342.0	2267	13.0	82	10.0	337.4	2264	14.4	51	6.8	330.2	2262	775	
800	16.2	54	7.8	332.1	2001	14.7	92	12.2	342.8	1998	14.5	87	11.4	340.2	1995	15.7	57	8.0	332.2	1993	800	
825	16.7	68	9.9	335.7	1739	16.0	93	13.1	343.6	1736	15.8	90	12.4	341.6	1733	17.0	63	9.3	334.4	1731	825	
850	17.7	71	10.8	336.4	1483	17.2	94	13.9	344.5	1480	16.9	91	13.1	341.8	1478	17.7	69	10.3	335.2	1475	850	
875	18.8	72	11.3	336.3	1234	18.5	96	14.8	345.4	1231	18.1	91	13.8	342.2	1230	17.5	73	10.6	332.9	1226	875	
900	19.9	72	11.8	336.3	991	19.6	97	15.6	346.5	988	19.2	92	14.4	342.5	987	19.1	72	11.2	333.6	985	900	
925	21.0	73	12.4	336.4	754	21.1	96	16.5	347.8	750	20.2	92	15.1	342.9	750	20.9	70	11.8	334.6	748	925	
950	22.0	73	12.9	336.5	522	22.6	94	17.3	349.3	518	21.3	93	15.8	343.3	518	22.6	68	12.4	335.7	516	950	
975	24.1	77	15.0	342.1	295	24.1	92	18.2	350.8	290	23.1	89	16.5	345.1	291	24.3	66	12.9	336.7	288	975	
1000	26.1	81	17.5	348.9	72	25.6	91	19.0	352.3	66	25.0	85	17.3	346.9	69	26.4	70	15.4	343.6	65	1000	
SFC.	26.8	82	18.4	351.3	0	26.0	90	19.3	352.8	0	25.6	84	17.5	347.4	0	27.5	78	18.2	351.9	0	SFC.	
				SURFACE PRESSURE	1008.1				SURFACE PRESSURE	1007.5				SURFACE PRESSURE	1007.8				SURFACE PRESSURE	1007.4		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

2/25 5 0 GMT					2/25 1143 GMT					2/25 17 7 GMT					2/25 23 3 GMT					P		
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-69.1	0	0.0	456.2	19366	-67.0	0	0.0	461.0	19462	-66.4	0	0.0	462.3	19471	-66.0	0	0.0	463.2	19546	60	
70	-71.7	18	.0	431.1	18451	-72.3	0	0.0	429.8	18539	-70.9	0	0.0	432.7	18547	-65.5	0	0.0	444.4	18609	70	
80	-77.6	20	.0	402.6	17675	-78.1	0	0.0	401.6	17768	-77.2	0	0.0	403.6	17769	-74.8	0	0.0	408.6	17813	80	
90	-78.0	20	.0	388.5	17000	-81.2	0	0.0	382.3	17100	-77.0	0	0.0	390.5	17093	-80.6	0	0.0	383.5	17138	90	
100	-82.5	20	.0	368.4	16405	-84.5	0	0.0	364.5	16512	-81.6	0	0.0	370.2	16499	-82.2	0	0.0	368.9	16550	100	
110	-82.7	20	.0	358.1	15874	-80.5	0	0.0	362.2	15980	-80.4	0	0.0	362.4	15962	-79.4	0	0.0	364.3	16013	110	
120	-79.2	20	.0	355.8	15385	-76.9	0	0.0	359.9	15485	-77.1	0	0.0	359.5	15467	-76.8	0	0.0	360.0	15516	120	
130	-75.9	19	.0	353.5	14926	-73.5	0	0.0	357.8	15021	-73.5	0	0.0	357.9	15004	-73.9	0	0.0	357.1	15053	130	
140	-72.9	19	.0	351.3	14495	-70.5	0	0.0	355.7	14584	-70.1	0	0.0	356.3	14567	-70.4	0	0.0	355.9	14617	140	
150	-70.0	19	.0	349.5	14087	-67.6	0	0.0	353.7	14172	-66.9	0	0.0	354.9	14153	-67.1	0	0.0	354.6	14204	150	
160	-66.8	19	.0	348.5	13700	-64.9	0	0.0	351.8	13781	-63.9	0	0.0	353.5	13760	-64.0	0	0.0	353.3	13811	160	
170	-63.8	19	.0	347.6	13331	-62.3	0	0.0	349.9	13409	-61.0	0	0.0	352.1	13386	-61.1	0	0.0	352.1	13437	170	
180	-60.9	19	.0	346.6	12979	-59.5	0	0.0	348.8	13053	-58.4	0	0.0	350.7	13029	-58.3	0	0.0	350.8	13080	180	
190	-58.2	19	.0	345.7	12640	-56.9	0	0.0	347.8	12713	-55.9	0	0.0	349.3	12687	-55.7	0	0.0	349.6	12738	190	
200	-55.6	18	.0	344.9	12316	-54.3	0	0.0	346.8	12386	-53.6	0	0.0	347.9	12359	-53.3	0	0.0	348.4	12409	200	
225	-49.5	17	.0	342.8	11555	-48.2	0	0.0	344.6	11621	-48.2	0	0.0	344.7	11592	-47.2	0	0.0	346.2	11640	225	
250	-43.6	17	.1	341.5	10856	-41.5	0	0.0	344.4	10917	-42.5	0	0.0	342.9	10890	-41.5	0	0.0	344.4	10934	250	
275	-38.0	16	.1	340.6	10207	-36.2	22	.1	343.3	10263	-36.8	M	M	M	10238	-35.4	20	.1	344.5	10280	275	
300	-32.8	16	.1	339.6	9601	-31.6	20	.2	341.5	9653	-31.7	18	.2	341.4	9629	-30.1	20	.2	343.8	9667	300	
325	-28.6	15	.2	338.0	9033	-27.4	18	.2	339.8	9082	-27.1	18	.2	340.3	9058	-25.9	20	.3	342.2	9092	325	
350	-24.7	15	.2	336.4	8498	-23.5	16	.3	338.2	8544	-23.6	18	.3	338.1	8520	-21.9	19	.4	340.7	8551	350	
375	-21.0	14	.3	334.8	7992	-19.4	16	.4	337.4	8036	-19.6	18	.4	337.1	8012	-18.2	19	.5	339.3	8039	375	
400	-16.9	12	.3	334.2	7512	-15.3	17	.5	337.0	7552	-16.0	18	.5	336.1	7529	-14.8	19	.6	338.0	7554	400	
425	-12.7	13	.4	334.3	7053	-12.0	17	.6	335.9	7091	-13.1	18	.6	334.3	7070	-11.6	19	.7	336.8	7093	425	
450	-10.6	13	.5	331.8	6616	-8.9	17	.7	334.8	6651	-10.4	18	.7	332.7	6632	-8.5	19	.8	335.7	6652	450	
475	-7.7	12	.5	330.5	6198	-8.8	17	.7	329.6	6232	-9.8	18	.7	328.4	6215	-6.7	19	.9	333.0	6231	475	
500	-7.6	23	1.0	327.4	5799	-6.4	17	.8	328.2	5833	-7.2	17	.8	327.0	5818	-5.5	19	.9	329.7	5830	500	
525	-5.5	14	.7	324.3	5418	-3.0	16	1.0	328.3	5450	-3.9	17	.9	327.0	5436	-2.7	18	1.1	329.1	5445	525	
550	-2.1	14	.8	324.6	5051	.2	16	1.1	328.4	5079	-.8	16	1.0	326.9	5066	.1	18	1.2	328.6	5075	550	
575	.0	13	.9	323.2	4697	2.6	15	1.2	327.4	4721	2.0	16	1.2	326.6	4710	2.7	17	1.4	328.0	4717	575	
600	.5	14	.9	319.8	4355	4.4	15	1.3	325.7	4376	4.7	15	1.3	326.2	4365	4.2	33	2.8	330.3	4371	600	
625	2.2	19	1.3	319.5	4027	5.0	16	1.4	322.9	4043	5.1	17	1.5	323.4	4031	4.6	44	3.7	329.8	4039	625	
650	4.3	23	1.9	320.0	3709	5.2	66	5.6	332.5	3723	5.0	24	2.0	321.4	3712	6.2	26	2.4	323.9	3719	650	
675	6.5	56	5.1	328.8	3400	7.0	59	5.5	330.7	3414	5.8	34	2.9	321.4	3404	8.1	46	4.7	329.5	3409	675	
700	7.7	73	6.9	331.9	3101	8.4	76	7.5	334.8	3113	6.9	51	4.6	324.3	3105	7.9	61	5.8	329.1	3108	700	
725	8.6	87	8.4	334.2	2810	9.9	88	9.3	338.4	2822	9.0	54	5.4	326.0	2816	10.2	53	5.7	328.3	2817	725	
750	9.9	93	9.6	335.8	2529	11.7	84	9.8	338.5	2538	11.1	57	6.3	327.9	2533	12.8	44	5.4	327.2	2534	750	
775	11.6	93	10.3	336.7	2254	13.4	81	10.2	338.5	2262	13.1	60	7.3	330.1	2258	14.5	44	5.9	327.6	2257	775	
800	13.2	93	11.1	337.8	1987	14.5	83	10.9	338.8	1993	14.7	64	8.5	332.2	1990	15.9	48	6.8	328.8	1988	800	
825	14.7	93	11.9	338.9	1726	15.4	88	11.8	339.3	1732	15.8	70	9.7	333.8	1729	17.2	52	7.8	330.2	1726	825	
850	16.2	93	12.8	340.1	1472	16.2	92	12.7	339.8	1478	15.0	91	11.5	335.0	1475	15.8	54	7.1	323.9	1471	850	
875	17.7	93	13.7	341.4	1224	17.0	97	13.6	340.3	1230	15.9	94	12.4	335.8	1228	16.7	61	8.4	325.7	1225	875	
900	19.1	93	14.6	342.9	981	19.0	92	14.3	341.9	987	16.9	97	13.2	336.2	987	18.6	70	10.5	331.1	983	900	
925	20.5	94	15.5	344.4	744	20.9	88	14.9	343.3	750	18.6	96	14.1	338.1	752	20.4	74	12.2	335.1	747	925	
950	21.8	94	16.5	346.0	512	22.9	83	15.5	344.6	518	20.9	91	15.1	341.1	522	22.3	68	12.2	334.9	515	950	
975	23.2	94	17.4	347.6	285	24.7	78	16.0	345.7	290	23.1	87	16.2	344.1	295	24.1	63	12.2	334.4	288	975	
1000	24.4	94	18.4	349.3	62	25.8	81	17.2	347.8	66	25.3	83	17.2	347.0	72	25.9	73	15.5	343.3	65	1000	
SFC.	24.8	94	18.7	349.7	0	25.9	84	17.8	348.7	0	26.0	82	17.5	347.9	0	26.5	80	17.6	348.9	0	SFC.	
				SURFACE PRESSURE	1007.1				SURFACE PRESSURE	1007.5				SURFACE PRESSURE	1008.2				SURFACE PRESSURE	1007.4		



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

2/26 453 GMT						2/26 1156 GMT					2/26 1648 GMT					2/27 0 4 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	0.0	0	0.0	0.0	0	-70.8	0	0.0	452.5	19404	-66.3	0	0.0	462.5	19486	-66.3	0	0.0	462.6	19532	60	
70	0.0	0	0.0	0.0	0	-75.1	0	0.0	423.7	18500	-70.9	0	0.0	432.7	18557	-67.6	0	0.0	439.8	18598	70	
80	0.0	0	0.0	0.0	0	-76.5	0	0.0	405.1	17729	-74.8	0	0.0	408.4	17773	-73.0	0	0.0	412.1	17805	80	
90	0.0	0	0.0	0.0	0	-77.4	0	0.0	389.8	17052	-78.9	0	0.0	386.8	17098	-77.7	0	0.0	389.2	17123	90	
100	0.0	0	0.0	0.0	0	-84.0	0	0.0	365.5	16458	-81.0	0	0.0	371.2	16498	-80.6	0	0.0	372.0	16525	100	
110	0.0	0	0.0	0.0	0	-80.6	0	0.0	362.0	15925	-80.4	0	0.0	362.4	15963	-78.9	0	0.0	365.3	15986	110	
120	0.0	0	0.0	0.0	0	-77.5	0	0.0	358.7	15430	-77.9	0	0.0	358.1	15469	-75.6	0	0.0	362.3	15487	120	
130	0.0	0	0.0	0.0	0	-74.7	0	0.0	355.7	14968	-74.2	0	0.0	356.6	15007	-72.6	0	0.0	359.4	15021	130	
140	0.0	0	0.0	0.0	0	-71.8	0	0.0	353.3	14535	-70.8	0	0.0	355.0	14571	-69.9	0	0.0	356.7	14582	140	
150	0.0	0	0.0	0.0	0	-68.7	0	0.0	351.8	14125	-67.7	0	0.0	353.6	14159	-67.3	0	0.0	354.2	14169	150	
160	-63.5	21	.0	354.2	13740	-65.8	0	0.0	350.2	13736	-64.7	0	0.0	352.1	13768	-64.9	0	0.0	351.7	13778	160	
170	-61.2	23	.0	351.9	13366	-63.1	0	0.0	348.7	13365	-61.8	0	0.0	350.8	13396	-62.7	0	0.0	349.4	13406	170	
180	-59.0	24	.0	349.8	13009	-60.5	0	0.0	347.3	13011	-59.0	0	0.0	349.7	13040	-59.9	0	0.0	348.3	13052	180	
190	-57.0	25	.0	347.7	12669	-58.1	0	0.0	345.9	12673	-56.4	0	0.0	348.5	12699	-56.9	0	0.0	347.7	12712	190	
200	-55.0	25	.0	345.7	12343	-55.5	0	0.0	344.9	12348	-53.9	0	0.0	347.4	12371	-54.2	0	0.0	347.0	12385	200	
225	-50.6	25	.0	341.2	11583	-49.0	0	0.0	343.4	11586	-48.2	0	0.0	344.7	11605	-47.8	0	0.0	345.3	11618	225	
250	-46.6	25	.1	337.1	10890	-43.2	0	0.0	341.8	10885	-42.9	19	.1	342.6	10903	-42.1	0	0.0	343.5	10914	250	
275	-42.9	25	.1	333.4	10252	-37.5	18	.1	341.3	10236	-36.8	19	.1	342.3	10252	-36.4	21	.1	343.0	10262	275	
300	-33.0	25	.2	339.7	9653	-31.7	17	.2	341.3	9628	-31.3	18	.2	342.0	9642	-30.9	20	.2	342.7	9651	300	
325	-26.0	25	.4	342.3	9080	-27.0	19	.2	340.5	9056	-26.7	22	.3	341.0	9070	-26.5	20	.3	341.2	9078	325	
350	-22.4	25	.5	340.3	8540	-24.5	44	.7	338.2	8518	-23.0	21	.4	339.2	8531	-22.9	20	.3	339.2	8539	350	
375	-19.1	25	.6	338.5	8030	-20.4	30	.6	337.0	8012	-20.7	30	.6	336.4	8023	-19.6	20	.4	337.4	8030	375	
400	-16.0	25	.7	336.8	7546	-17.0	26	.7	335.4	7531	-16.6	18	.5	335.2	7542	-16.4	20	.5	335.7	7547	400	
425	-12.7	25	.8	335.8	7087	-13.8	25	.8	334.2	7073	-14.0	19	.6	333.2	7084	-13.1	20	.6	334.5	7088	425	
450	-9.6	25	1.0	334.9	6648	-10.7	25	.9	333.1	6636	-11.4	19	.7	331.4	6648	-10.1	20	.8	333.4	6650	450	
475	-7.2	25	1.1	333.2	6228	-7.8	24	1.1	332.1	6218	-8.2	18	.8	330.7	6231	-7.2	19	.9	332.4	6231	475	
500	-5.9	23	1.1	329.8	5828	-5.1	23	1.2	331.2	5817	-5.2	18	.9	330.0	5831	-4.4	19	1.1	331.5	5830	500	
525	-2.6	21	1.3	329.8	5443	-2.5	23	1.4	330.3	5432	-2.3	17	1.0	329.4	5445	-1.8	19	1.2	330.6	5443	525	
550	.5	20	1.4	329.7	5072	-.0	22	1.5	329.5	5061	.4	16	1.2	328.7	5074	.1	19	1.4	329.0	5072	550	
575	2.8	20	1.6	328.8	4714	2.2	23	1.8	328.7	4714	2.5	16	1.3	327.4	4716	1.6	20	1.5	327.0	4715	575	
600	2.5	33	2.5	327.3	4370	3.8	26	2.2	327.9	4359	4.0	16	1.3	325.4	4372	2.9	21	1.6	325.1	4371	600	
625	2.9	95	7.2	338.0	4039	4.8	23	2.0	324.6	4027	2.9	27	2.0	322.6	4040	4.2	21	1.8	323.3	4040	625	
650	4.4	99	8.0	338.5	3720	2.9	87	6.3	331.7	3709	2.4	50	3.5	322.8	3723	5.5	30	2.6	323.6	3721	650	
675	6.0	99	8.7	338.7	3410	5.5	69	5.8	329.8	3401	4.7	57	4.5	324.9	3417	7.2	46	4.4	327.5	3411	675	
700	8.6	92	9.2	339.9	3110	8.0	52	5.0	326.9	3102	7.4	50	4.6	324.9	3119	9.4	36	3.8	324.9	3111	700	
725	10.8	63	7.1	332.9	2818	9.7	46	4.8	324.9	2811	9.9	43	4.5	324.5	2828	11.2	32	3.7	323.5	2819	725	
750	12.2	44	5.2	325.9	2534	11.2	41	4.6	323.0	2529	12.1	42	5.0	325.2	2545	12.8	34	4.2	323.7	2535	750	
775	13.6	45	5.7	326.0	2259	12.7	37	4.3	321.0	2254	13.5	45	5.6	325.6	2270	14.3	36	4.7	323.9	2259	775	
800	14.9	47	6.3	326.2	1991	13.7	40	4.9	320.9	1987	14.6	35	4.5	320.6	2002	15.7	38	5.3	324.3	1990	800	
825	16.2	49	6.8	326.4	1729	12.8	83	9.4	329.4	1728	14.6	53	6.8	324.2	1742	16.4	47	6.6	325.9	1728	825	
850	16.9	62	8.9	330.1	1475	13.8	95	11.1	332.4	1476	14.6	72	8.8	327.2	1489	16.0	64	8.6	328.2	1474	850	
875	17.4	79	11.3	334.4	1227	15.5	94	12.0	334.2	1230	15.3	83	10.5	329.7	1243	17.1	67	9.4	329.1	1227	875	
900	17.9	93	13.4	338.2	985	17.2	94	12.9	336.0	990	17.2	84	11.7	332.5	1003	18.3	69	10.2	329.9	986	900	
925	18.9	91	13.7	337.5	749	18.8	93	13.9	337.9	754	19.1	85	12.9	335.5	767	19.5	71	11.0	330.8	750	925	
950	20.4	89	14.4	338.4	519	20.4	92	14.9	339.9	523	20.9	86	14.2	338.7	536	20.7	72	11.8	331.8	519	950	
975	22.6	88	15.8	342.5	293	22.0	92	15.9	341.9	297	22.7	87	15.7	342.1	310	22.8	67	12.0	332.5	293	975	
1000	24.8	86	17.3	346.7	70	24.2	91	17.7	346.9	75	24.4	88	17.1	345.6	88	25.0	79	16.0	343.5	71	1000	
SFC.	25.5	86	17.8	348.1	0	25.0	91	18.3	348.7	0	25.1	88	17.8	347.3	0	25.7	89	18.7	350.7	0	SFC.	
				SURFACE PRESSURE	1008.0				SURFACE PRESSURE	1008.6				SURFACE PRESSURE	1010.0				SURFACE PRESSURE	1008.1		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

2/27 533 GMT					2/27 1229 GMT					2/27 1855 GMT					2/27 23 4 GMT					P		
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-67.9	0	0.0	459.0	19442	-68.3	0	0.0	458.0	19432	-64.6	0	0.0	466.4	19552	0.0	0	0.0	0.0	0	60	
70	-70.6	0	0.0	433.4	18521	-69.2	0	0.0	436.4	18508	-69.5	21	.0	435.8	18619	-66.1	0	0.0	443.0	18587	70	
80	-75.6	0	0.0	406.8	17738	-77.3	0	0.0	403.2	17721	-78.6	22	.0	400.7	17830	-74.2	0	0.0	409.8	17793	80	
90	-80.3	0	0.0	384.1	17065	-77.7	0	0.0	389.2	17049	-79.9	24	.0	384.7	17162	-79.2	0	0.0	386.3	17118	90	
100	-82.6	0	0.0	368.2	16475	-80.9	0	0.0	371.4	16450	-79.8	23	.0	373.6	16563	-79.0	0	0.0	375.0	16517	100	
110	-81.0	0	0.0	361.2	15942	-79.2	0	0.0	364.6	15911	-78.4	23	.0	366.2	16023	-79.4	0	0.0	364.3	15977	110	
120	-77.4	0	0.0	359.0	15448	-76.9	0	0.0	359.8	15414	-75.6	23	.0	362.3	15524	-75.9	0	0.0	361.8	15479	120	
130	-74.0	0	0.0	357.0	14985	-73.9	0	0.0	357.2	14951	-73.0	23	.0	358.7	15057	-72.6	0	0.0	359.4	15013	130	
140	-70.9	0	0.0	355.0	14549	-70.6	0	0.0	355.4	14515	-70.7	23	.0	355.4	14621	-69.7	0	0.0	357.1	14574	140	
150	-68.0	0	0.0	353.0	14138	-67.6	0	0.0	353.7	14103	-67.9	23	.0	353.2	14209	-66.6	0	0.0	355.4	14160	150	
160	-65.3	32	.0	351.2	13747	-64.7	0	0.0	352.0	13712	-63.9	23	.0	353.5	13817	-63.6	0	0.0	353.9	13767	160	
170	-62.9	37	.0	349.1	13376	-62.1	0	0.0	350.4	13339	-60.1	24	.0	353.7	13442	-60.8	0	0.0	352.5	13392	170	
180	-60.2	30	.0	347.9	13022	-59.5	0	0.0	348.8	12984	-57.2	24	.0	352.8	13083	-58.2	0	0.0	351.1	13035	180	
190	-57.6	30	.0	346.7	12683	-57.2	0	0.0	347.3	12644	-55.2	23	.0	350.5	12740	-55.7	0	0.0	349.7	12692	190	
200	-55.2	30	.0	345.5	12357	-54.8	0	0.0	346.0	12318	-53.4	22	.0	348.4	12411	-53.3	0	0.0	348.4	12364	200	
225	-49.6	30	.1	342.7	11596	-49.1	0	0.0	343.2	11555	-47.9	22	.0	345.4	11644	-47.8	0	0.0	345.3	11596	225	
250	-43.7	29	.1	341.4	10897	-44.1	0	0.0	340.6	10856	-42.6	21	.1	343.1	10940	-42.9	0	0.0	342.3	10893	250	
275	-38.2	27	.1	340.4	10249	-39.3	17	.1	338.6	10210	-37.6	21	.1	341.2	10290	-38.1	19	.1	340.5	10244	275	
300	-33.2	26	.2	339.4	9644	-34.1	16	.1	337.9	9657	-32.7	20	.2	340.0	9684	-33.1	19	.1	339.3	9639	300	
325	-28.6	25	.3	338.4	9076	-29.2	16	.2	337.1	9041	-28.1	20	.2	338.9	9115	-28.6	19	.2	338.2	9071	325	
350	-24.3	24	.4	337.4	8540	-24.7	15	.2	336.3	8574	-23.9	20	.3	337.8	8578	-24.3	18	.3	337.1	8535	350	
375	-20.4	22	.5	336.4	8034	-22.0	17	.3	333.7	8002	-20.0	19	.4	336.7	8070	-20.4	18	.4	336.1	8028	375	
400	-16.6	21	.6	335.5	7552	-17.5	14	.3	333.6	7523	-16.3	19	.5	335.8	7588	-16.7	18	.5	335.1	7547	400	
425	-13.1	21	.7	334.6	7093	-14.4	13	.4	332.1	7066	-13.2	19	.6	334.3	7129	-13.7	21	.7	333.8	7089	425	
450	-10.3	20	.8	333.2	6655	-11.4	13	.5	330.6	6630	-10.3	18	.7	333.0	6692	-10.9	25	.9	332.8	6652	450	
475	-8.4	22	.9	331.0	6237	-8.6	12	.5	329.2	6213	-7.5	18	.8	331.7	6273	-8.3	23	1.0	331.4	6235	475	
500	-5.6	21	1.1	330.0	5838	-6.0	12	.6	327.9	5814	-4.9	18	.9	330.5	5872	-5.7	21	1.1	329.9	5835	500	
525	-2.5	20	1.2	329.7	5453	-3.5	11	.6	326.6	5430	-2.4	17	1.1	329.4	5486	-3.3	19	1.1	328.4	5451	525	
550	-.3	19	1.3	328.2	5082	-1.1	11	.7	325.3	5061	.0	17	1.2	328.3	5116	-1.0	18	1.1	326.9	5081	550	
575	.6	18	1.3	325.1	4726	1.2	10	.7	324.1	4755	1.6	18	1.3	326.5	4759	1.2	16	1.1	325.4	4725	575	
600	1.4	18	1.3	322.2	4384	2.3	12	.9	321.9	4362	2.5	24	1.9	325.4	4415	2.3	44	3.3	329.5	4382	600	
625	2.2	53	3.8	327.1	4055	2.6	38	2.8	324.6	4033	4.4	40	3.4	328.5	4084	3.6	33	2.6	325.1	4052	625	
650	4.9	22	1.8	320.5	3737	4.0	48	3.7	325.4	3714	6.3	34	3.1	326.3	3764	5.5	40	3.5	326.5	3732	650	
675	6.8	30	2.8	322.4	3428	5.3	57	4.7	326.4	3476	8.1	39	4.0	327.4	3453	7.4	47	4.5	328.2	3422	675	
700	8.7	39	3.9	324.5	3128	6.6	66	5.8	327.6	3188	9.9	45	4.9	328.8	3152	9.2	50	5.3	329.2	3121	700	
725	11.6	25	3.0	321.8	2836	7.9	75	6.9	329.0	2819	11.2	52	6.0	330.5	2859	10.9	43	4.8	326.6	2830	725	
750	13.5	22	2.9	320.6	2552	9.1	83	8.1	330.5	2538	12.4	61	7.3	332.3	2575	11.1	44	4.8	323.5	2546	750	
775	15.4	19	2.8	319.3	2276	10.2	92	9.3	332.1	2265	13.4	69	8.6	334.2	2299	12.8	69	8.2	332.3	2272	775	
800	16.4	42	6.1	327.5	2006	11.6	97	10.5	334.0	1999	14.5	77	10.0	336.2	2031	14.2	75	9.6	334.7	2004	800	
825	15.1	98	12.9	342.0	1744	13.5	97	11.5	336.0	1740	15.5	84	11.4	338.4	1769	15.3	79	10.5	335.7	1743	825	
850	16.4	98	13.6	342.5	1490	15.2	97	12.5	338.2	1487	16.9	79	11.3	336.9	1515	16.4	83	11.5	336.7	1489	850	
875	17.6	98	14.3	343.1	1241	17.0	96	13.5	339.9	1239	18.4	74	11.3	335.8	1266	17.4	87	12.5	337.8	1241	875	
900	18.9	97	15.0	343.7	999	18.7	94	14.3	341.6	997	20.0	76	12.6	338.4	1023	18.3	91	13.5	338.9	999	900	
925	20.1	97	15.7	344.4	762	20.3	93	15.2	343.3	760	21.5	79	13.9	341.1	786	19.7	91	14.3	340.1	763	925	
950	21.2	97	16.4	345.1	530	21.9	91	16.1	345.0	528	22.9	81	15.3	344.1	553	21.8	85	14.8	341.2	531	950	
975	22.9	94	17.2	346.5	303	23.5	90	17.0	346.8	301	24.4	84	16.7	347.2	325	23.8	79	15.1	342.0	304	975	
1000	24.7	90	17.9	348.1	81	25.0	88	17.9	348.5	78	25.8	86	18.2	350.5	101	25.5	78	16.3	344.9	81	1000	
SFC.	25.4	88	18.1	348.7	0	25.5	88	18.2	349.1	0	26.4	87	19.0	352.1	0	26.1	81	17.3	347.5	0	SFC.	
				SURFACE PRESSURE	1009.2				SURFACE PRESSURE	1008.9				SURFACE PRESSURE	1011.5				SURFACE PRESSURE	1009.2		

B-14

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

P	T	2/28 5 0 GMT				H	T	2/28 1118 GMT				H	T	2/28 23 0 GMT				H	T	3/ 1 1 6 GMT				P
		RH	W	EPT	H			RH	W	EPT	H			RH	W	EPT	H			RH	W	EPT	H	
60	0.0	0	0.0	0.0	0	-68.5	0	0.0	457.5	19518	0	0.0	0.0	0.0	0	-65.2	0	0.0	465.0	19569	60			
70	0.0	0	0.0	0.0	0	-69.0	0	0.0	436.7	18595	0	0.0	0.0	0.0	0	-67.0	21	.0	441.1	18638	70			
80	0.0	0	0.0	0.0	0	-71.6	0	0.0	415.1	17801	0	0.0	0.0	0.0	0	-74.2	20	.0	409.8	17844	80			
90	0.0	0	0.0	0.0	0	-73.9	0	0.0	396.8	17110	0	0.0	0.0	0.0	0	-79.0	21	.0	386.6	17166	90			
100	0.0	0	0.0	0.0	0	-81.2	0	0.0	370.9	16503	-74.7	0	0.0	383.4	16531	-75.6	21	.0	381.7	16562	100			
110	0.0	0	0.0	0.0	0	-78.0	0	0.0	366.9	15963	-75.8	0	0.0	371.0	15980	-76.1	20	.0	370.5	16011	110			
120	0.0	0	0.0	0.0	0	-75.1	0	0.0	363.2	15462	-73.4	0	0.0	366.4	15474	-73.4	20	.0	366.3	15505	120			
130	0.0	0	0.0	0.0	0	-72.5	0	0.0	359.7	14995	-71.1	0	0.0	362.2	15003	-71.0	20	.0	362.4	15034	130			
140	0.0	0	0.0	0.0	0	-70.0	0	0.0	356.5	14557	-69.0	0	0.0	358.3	14562	-68.7	20	.0	358.8	14593	140			
150	-66.2	23	.0	356.0	14168	-67.7	0	0.0	353.5	14144	-67.0	0	0.0	354.6	14147	-66.6	20	.0	355.4	14178	150			
160	-63.7	23	.0	353.9	13775	-65.1	0	0.0	351.4	13753	-64.6	0	0.0	352.3	13756	-64.5	20	.0	352.5	13786	160			
170	-61.0	23	.0	352.2	13400	-62.3	0	0.0	350.0	13381	-61.7	0	0.0	351.0	13383	-61.4	20	.0	351.5	13412	170			
180	-58.4	23	.0	350.7	13043	-59.6	0	0.0	348.7	13026	-59.0	0	0.0	349.8	13027	-58.6	20	.0	350.5	13056	180			
190	-55.9	22	.0	349.5	12701	-57.1	0	0.0	347.4	12686	-56.4	0	0.0	348.5	12686	-55.8	19	.0	349.6	12714	190			
200	-53.5	22	.0	348.2	12373	-54.7	0	0.0	346.1	12360	-54.0	0	0.0	347.3	12358	-53.2	19	.0	348.6	12385	200			
225	-47.8	21	.0	345.4	11606	-48.6	0	0.0	344.1	11596	-48.4	0	0.0	344.4	11592	-48.2	20	.0	344.8	11617	225			
250	-42.5	21	.1	343.2	10902	-42.5	0	0.0	342.9	10894	-42.8	0	0.0	342.5	10891	-42.3	19	.1	343.4	10914	250			
275	-37.7	20	.1	341.0	10252	-37.2	18	.1	341.8	10242	-37.3	18	.1	341.6	10240	-37.0	18	.1	342.0	10263	275			
300	-33.3	20	.2	339.2	9646	-32.5	18	.2	340.3	9635	-32.9	18	.1	339.6	9633	-32.2	17	.1	340.6	9655	300			
325	-28.7	20	.2	338.0	9079	-28.2	18	.2	338.7	9066	-28.8	19	.2	337.8	9065	-28.1	17	.2	338.8	9085	325			
350	-24.5	20	.3	336.9	8544	-24.5	18	.3	336.8	8530	-25.0	19	.3	336.1	8531	-24.5	17	.3	336.7	8549	350			
375	-20.6	20	.4	335.8	8037	-21.1	18	.3	335.0	8024	-21.5	19	.3	334.5	8026	-21.2	17	.3	334.8	8043	375			
400	-17.0	20	.5	334.8	7556	-17.9	18	.4	333.3	7545	-18.2	19	.4	333.0	7547	-18.1	17	.4	333.0	7564	400			
425	-13.6	20	.6	333.9	7098	-14.6	18	.5	332.1	7089	-14.8	18	.5	332.0	7091	-14.4	17	.5	332.4	7108	425			
450	-10.4	19	.7	333.0	6661	-11.6	18	.6	331.0	6653	-11.5	18	.6	331.0	6656	-10.9	17	.6	331.8	6672	450			
475	-7.4	19	.9	332.1	6242	-8.7	17	.7	329.9	6236	-8.5	17	.7	330.1	6239	-7.7	17	.8	331.3	6254	475			
500	-4.6	19	1.0	331.2	5841	-5.9	17	.8	328.9	5837	-5.6	17	.8	329.3	5839	-4.5	17	.9	330.9	5852	500			
525	-2.3	18	1.1	329.6	5456	-3.3	17	1.0	327.9	5453	-2.8	16	.9	328.4	5454	-1.9	17	1.1	330.0	5466	525			
550	.5	17	1.2	328.9	5084	-1.3	17	1.1	326.4	5084	-7	16	1.1	327.1	5084	.2	18	1.2	328.8	5095	550			
575	2.3	16	1.2	327.1	4726	.2	17	1.1	324.2	4729	1.2	17	1.2	325.7	4728	2.3	18	1.4	327.6	4738	575			
600	3.4	16	1.3	324.6	4382	1.6	17	1.2	322.2	4387	3.1	17	1.3	324.4	4385	4.3	18	1.6	326.6	4393	600			
625	3.5	43	3.4	327.6	4051	3.2	18	1.4	320.8	4057	4.9	17	1.5	323.1	4053	6.1	19	1.8	325.6	4060	625			
650	5.6	35	3.0	325.2	3731	5.1	20	1.7	320.4	3738	6.6	18	1.6	322.0	3733	8.0	19	2.0	324.7	3737	650			
675	7.7	28	2.7	323.1	3421	7.0	22	2.1	320.3	3429	8.2	18	1.8	320.9	3422	9.7	20	2.2	323.8	3425	675			
700	9.8	27	2.9	322.8	3121	8.7	25	2.5	320.3	3130	9.8	18	2.0	319.9	3121	11.4	20	2.4	323.1	3123	700			
725	11.5	45	5.3	328.7	2828	10.5	27	3.0	320.5	2839	11.3	18	2.1	318.9	2829	13.0	20	2.6	322.4	2829	725			
750	12.8	38	4.7	325.1	2544	12.1	29	3.5	320.8	2556	12.8	19	2.3	318.0	2546	14.6	21	2.9	321.7	2543	750			
775	13.8	42	5.4	325.2	2268	13.2	44	5.5	324.9	2280	14.2	20	2.6	317.4	2270	16.1	21	3.1	321.1	2266	775			
800	14.4	57	7.4	328.9	2000	13.1	88	10.4	335.8	2013	15.8	28	4.0	320.6	2002	17.3	27	4.2	322.7	1996	800			
825	15.6	50	6.8	325.5	1739	14.5	83	10.4	334.4	1753	17.4	37	5.6	324.1	1740	18.2	36	5.7	325.3	1733	825			
850	16.9	67	9.6	332.0	1485	15.9	79	10.6	333.8	1499	18.9	45	7.3	327.9	1484	19.1	44	7.2	327.9	1477	850			
875	18.3	66	9.9	331.8	1237	17.7	79	11.5	335.6	1251	17.8	56	8.2	326.5	1235	18.2	59	9.0	329.0	1228	875			
900	19.6	64	10.3	331.6	994	19.5	78	12.5	337.6	1009	19.1	57	8.8	327.0	994	19.7	58	9.3	329.0	986	900			
925	19.4	89	13.8	338.2	758	20.5	83	13.8	339.6	771	21.0	55	9.4	328.2	757	20.9	61	10.3	330.7	749	925			
950	21.4	86	14.7	340.5	527	20.7	94	15.4	341.5	540	21.5	68	11.5	332.1	526	21.9	70	12.2	334.5	517	950			
975	23.4	82	15.5	342.6	300	22.8	90	16.3	343.9	314	23.0	70	12.8	334.7	299	23.4	77	14.5	339.9	290	975			
1000	25.3	79	16.3	344.7	77	24.8	86	17.1	346.1	91	24.9	77	15.5	342.1	77	25.2	83	17.0	346.3	68	1000			
SFC.	26.0	78	16.6	345.4	0	25.6	84	17.4	347.0	0	25.6	82	17.0	346.1	0	25.7	85	17.8	348.4	0	SFC.			
				SURFACE PRESSURE	1008.8				SURFACE PRESSURE	1010.4				SURFACE PRESSURE	1008.8				SURFACE PRESSURE	1007.7				

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

3/ 1 348 GMT					3/ 1 648 GMT					3/ 1 935 GMT					3/ 1 1150 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P					
60	-66.3	21	.0	462.6	19527	-67.1	23	.0	460.8	19523	-65.7	0	0.0	463.8	19509	0.0	0	0.0	0.0	0	60
70	-70.6	21	.0	433.4	18605	-69.9	20	.0	435.0	18663	-70.4	18	.0	433.9	18586	0.0	0	0.0	0.0	0	70
80	-73.1	21	.0	412.0	17814	-73.2	19	.0	411.8	17810	-73.2	19	.0	411.9	17797	0.0	0	0.0	0.0	0	80
90	-78.8	23	.0	387.0	17136	-79.5	25	.0	385.5	17132	-78.6	19	.0	387.4	17113	0.0	0	0.0	0.0	0	90
100	-76.6	22	.0	379.8	16535	-76.4	24	.0	380.2	16530	-77.6	19	.0	377.9	16511	0.0	0	0.0	0.0	0	100
110	-76.6	22	.0	369.6	15984	-76.0	23	.0	370.6	15982	-76.1	19	.0	370.5	15964	0.0	0	0.0	0.0	0	110
120	-73.9	21	.0	365.4	15481	-73.3	22	.0	366.6	15477	-72.6	20	.0	367.8	15457	0.0	0	0.0	0.0	0	120
130	-71.5	21	.0	361.4	15010	-70.7	21	.0	362.9	15005	-70.6	20	.0	363.0	14984	0.0	0	0.0	0.0	0	130
140	-70.4	22	.0	355.8	14572	-69.7	21	.0	357.1	14565	-70.5	19	.0	355.6	14545	0.0	0	0.0	0.0	0	140
150	-67.9	21	.0	353.2	14160	-67.3	21	.0	354.2	14151	-68.2	20	.0	352.6	14133	0.0	0	0.0	0.0	0	150
160	-65.0	21	.0	351.6	13769	-65.1	21	.0	351.5	13760	-65.5	20	.0	350.8	13743	0.0	0	0.0	0.0	0	160
170	-62.2	21	.0	350.3	13397	-62.6	21	.0	349.6	13388	-62.6	20	.0	349.6	13372	0.0	0	0.0	0.0	0	170
180	-59.1	21	.0	349.6	13041	-59.6	21	.0	348.8	13033	-59.9	20	.0	348.4	13017	0.0	0	0.0	0.0	0	180
190	-56.2	20	.0	349.0	12700	-56.8	20	.0	348.0	12693	-57.2	20	.0	347.3	12678	0.0	0	0.0	0.0	0	190
200	-53.4	20	.0	348.3	12372	-54.1	20	.0	347.2	12366	-54.6	20	.0	346.5	12351	-53.5	0	0.0	348.1	12336	200
225	-48.0	20	.0	345.2	11605	-48.0	19	.0	345.1	11600	-48.4	19	.0	344.5	11587	-47.6	0	0.0	345.6	11569	225
250	-43.1	20	.1	342.3	10902	-42.6	18	.1	343.1	10897	-42.9	18	.1	342.5	10885	-42.3	0	0.0	343.1	10864	250
275	-37.5	19	.1	341.3	10253	-37.5	18	.1	341.4	10246	-37.6	17	.1	341.1	10235	-37.9	25	.1	340.9	10214	275
300	-32.1	17	.1	340.7	9646	-32.8	18	.1	339.7	9640	-32.4	16	.1	340.3	9628	-33.8	24	.2	338.5	9609	300
325	-28.4	17	.2	338.4	9076	-28.5	18	.2	338.2	9071	-28.2	15	.2	338.5	9059	-28.1	21	.2	338.9	9042	325
350	-25.2	18	.2	335.8	8541	-25.4	18	.2	335.5	8536	-25.2	16	.2	335.7	8524	-24.7	21	.3	336.7	8505	350
375	-22.1	18	.3	333.6	8037	-22.3	18	.3	333.3	8033	-22.6	18	.3	332.8	8020	-22.8	23	.4	332.9	8001	375
400	-18.4	18	.4	332.6	7559	-18.5	18	.4	332.4	7555	-19.0	17	.4	331.7	7543	-19.4	23	.5	331.6	7525	400
425	-14.4	17	.5	332.4	7103	-15.0	18	.5	331.6	7100	-15.7	17	.4	330.6	7089	-15.8	22	.6	330.9	7071	425
450	-10.6	16	.6	332.2	6667	-11.7	18	.6	330.8	6665	-12.5	17	.5	329.5	6655	-12.4	21	.7	330.2	6637	450
475	-7.7	16	.7	331.1	6248	-8.6	18	.8	330.1	6249	-9.5	16	.6	328.5	6240	-9.1	20	.8	329.6	6222	475
500	-5.0	16	.8	330.0	5848	-6.0	18	.9	329.0	5849	-6.7	16	.7	327.5	5842	-6.1	19	.9	329.0	5822	500
525	-2.4	16	1.0	329.0	5462	-3.7	18	1.0	327.6	5465	-4.1	15	.8	326.4	5459	-3.2	18	1.0	328.4	5439	525
550	.0	16	1.1	328.1	5092	-1.6	19	1.2	326.3	5097	-2.9	18	1.0	324.2	5091	-1.8	28	1.7	327.8	5069	550
575	2.1	17	1.3	327.0	4734	.5	19	1.3	325.1	4741	-1.1	41	2.7	328.9	4737	-1.8	39	2.4	327.3	4715	575
600	4.1	17	1.5	325.9	4390	2.6	28	2.1	326.2	4399	1.4	68	4.8	333.1	4395	.9	75	5.1	333.2	4374	600
625	5.9	18	1.7	324.9	4057	5.1	17	1.5	323.4	4067	3.8	20	1.6	322.2	4065	4.4	25	2.1	324.5	4043	625
650	7.7	18	1.9	324.0	3735	6.8	17	1.6	322.3	3746	5.7	26	2.3	323.1	3745	6.4	15	1.4	321.1	3723	650
675	9.5	19	2.1	323.2	3423	8.5	18	1.8	321.2	3436	7.5	33	3.2	324.2	3435	8.0	16	1.6	320.1	3413	675
700	11.1	19	2.3	322.5	3121	10.0	18	2.0	320.2	3135	9.2	39	4.1	325.6	3135	8.7	22	2.2	319.3	3112	700
725	12.7	20	2.5	321.8	2827	11.8	26	3.1	322.4	2842	10.9	45	5.1	327.3	2843	7.9	34	3.2	318.1	2823	725
750	14.3	21	2.8	321.2	2542	13.7	36	4.6	326.1	2558	12.5	51	6.2	329.1	2559	9.0	66	6.4	325.7	2543	750
775	15.8	21	3.0	320.6	2265	16.0	20	2.9	320.4	2281	12.9	76	9.2	335.0	2283	10.8	91	9.5	333.5	2269	775
800	15.9	48	6.8	328.8	1996	15.2	66	8.9	334.1	2011	14.2	84	10.7	337.8	2015	12.6	95	10.9	336.5	2003	800
825	17.7	47	7.3	329.3	1733	15.6	73	9.9	334.3	1750	15.4	89	12.0	339.9	1754	14.4	99	12.4	339.8	1743	825
850	18.3	56	8.7	331.4	1477	16.6	76	10.7	334.8	1495	16.6	87	12.3	339.1	1499	16.1	96	13.0	340.5	1489	850
875	18.7	70	10.9	335.1	1228	18.4	83	12.8	339.8	1247	17.8	85	12.5	338.2	1251	17.7	92	13.5	340.9	1241	875
900	20.5	66	11.2	335.2	985	20.0	80	13.2	340.1	1004	18.9	82	12.7	337.4	1009	19.2	88	13.9	341.1	998	900
925	22.2	62	11.4	335.1	747	21.1	82	14.2	341.5	766	19.7	84	13.3	337.3	772	20.7	86	14.5	341.8	761	925
950	23.3	63	12.1	335.8	514	21.4	95	16.3	344.9	534	20.7	88	14.4	339.0	541	22.1	86	15.4	343.2	529	950
975	23.6	75	14.3	339.5	287	23.2	90	16.8	346.0	307	22.6	86	15.5	341.5	315	23.4	87	16.3	344.7	302	975
1000	25.5	78	16.2	344.6	64	24.9	86	17.3	346.9	84	24.5	84	16.5	344.1	93	24.6	87	17.2	346.3	79	1000
SFC.	26.0	79	16.8	346.2	0	25.6	84	17.5	347.1	0	25.3	83	16.9	345.2	0	25.1	87	17.6	346.8	0	SFC.
				SURFACE PRESSURE	1007.3				SURFACE PRESSURE	1009.6				SURFACE PRESSURE	1010.6				SURFACE PRESSURE	1009.0	

B-16

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

3/ 1 17 0 GMT					3/ 1 2337 GMT					3/ 2 145 GMT					3/ 2 411 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-65.3	17	.0	464.9	19506	-60.5	0	0.0	475.5	19473	-60.2	0	0.0	476.2	19486	-62.8	0	0.0	470.4	19506	60
70	-70.2	18	.0	434.4	18576	-71.8	0	0.0	430.9	18544	-70.5	22	.0	433.7	18554	-70.3	26	.0	434.2	18559	70
80	-72.2	20	.0	413.9	17789	-71.0	0	0.0	416.2	17754	-70.3	23	.0	417.7	17762	-72.1	27	.0	414.2	17772	80
90	-77.0	21	.0	390.6	17102	-78.7	0	0.0	387.3	17066	-77.7	24	.0	389.2	17069	-78.6	27	.0	387.4	17086	90
100	-75.8	19	.0	381.3	16495	-79.4	0	0.0	374.3	16463	-79.7	23	.0	373.8	16469	-80.2	27	.0	372.8	16484	100
110	-74.8	18	.0	373.0	15945	-75.2	0	0.0	372.1	15917	-75.3	24	.0	371.9	15923	-75.9	27	.0	370.8	15939	110
120	-73.4	18	.0	366.3	15438	-71.4	0	0.0	370.0	15408	-72.6	24	.0	367.9	15415	-72.0	27	.0	368.9	15432	120
130	-72.2	19	.0	360.2	14968	-71.4	0	0.0	361.6	14935	-71.2	24	.0	362.0	14943	-71.1	27	.0	362.2	14958	130
140	-70.4	19	.0	355.8	14530	-70.9	0	0.0	354.9	14497	-70.0	24	.0	356.4	14504	-70.1	27	.0	356.4	14519	140
150	-68.1	18	.0	352.9	14118	-68.6	0	0.0	351.9	14086	-67.9	24	.0	353.2	14092	-67.9	26	.0	353.1	14107	150
160	-65.9	18	.0	350.1	13728	-66.5	0	0.0	349.0	13697	-65.8	23	.0	350.2	13702	-66.0	26	.0	350.0	13717	160
170	-63.2	18	.0	348.6	13358	-64.3	0	0.0	346.7	13329	-63.9	23	.0	347.4	13332	-64.1	25	.0	347.1	13348	170
180	-60.2	18	.0	347.8	13004	-61.3	0	0.0	346.1	12976	-61.1	23	.0	346.3	12979	-60.9	25	.0	346.6	12995	180
190	-57.5	18	.0	346.9	12665	-58.4	0	0.0	345.3	12639	-58.4	23	.0	345.4	12641	-57.8	25	.0	346.4	12657	190
200	-54.9	18	.0	346.0	12339	-55.7	0	0.0	344.6	12314	-55.8	23	.0	344.5	12317	-54.8	25	.0	346.1	12331	200
225	-49.3	17	.0	343.1	11578	-49.4	0	0.0	342.7	11553	-49.9	24	.0	342.2	11557	-48.0	25	.1	345.2	11566	225
250	-43.2	17	.1	342.0	10878	-43.9	0	0.0	340.9	10854	-44.6	24	.1	340.1	10860	-44.7	30	.1	340.0	10868	250
275	-37.7	16	.1	341.1	10228	-38.7	15	.1	339.5	10207	-38.9	24	.1	339.3	10214	-39.1	29	.1	339.2	10222	275
300	-32.2	15	.1	340.5	9621	-33.4	16	.1	338.8	9603	-33.8	24	.2	338.6	9611	-33.8	27	.2	338.6	9619	300
325	-27.2	15	.2	339.9	9051	-28.6	16	.2	338.0	9035	-29.0	25	.3	337.8	9044	-28.9	25	.3	338.0	9052	325
350	-22.6	14	.3	339.3	8512	-24.2	17	.3	337.2	8500	-24.5	25	.4	337.1	8509	-24.5	24	.4	337.2	8517	350
375	-20.8	15	.3	335.3	8003	-20.0	17	.4	336.5	7992	-21.2	23	.4	335.2	8003	-21.5	42	.8	336.1	8011	375
400	-19.3	15	.3	331.1	7525	-17.8	15	.3	333.2	7512	-18.7	19	.4	332.3	7524	-18.5	32	.7	333.6	7533	400
425	-15.6	15	.4	330.5	7071	-15.3	13	.4	330.8	7056	-14.8	18	.5	331.9	7069	-15.4	23	.6	331.6	7078	425
450	-12.1	15	.5	329.9	6637	-12.0	14	.5	330.0	6622	-11.9	18	.6	330.5	6634	-12.3	19	.6	330.1	6644	450
475	-8.9	15	.6	329.3	6221	-8.8	15	.6	329.4	6206	-8.8	M	M	M	6218	-9.1	21	.8	329.7	6228	475
500	-6.2	17	.8	328.5	5821	-6.0	17	.8	328.7	5806	-5.8	M	M	M	5818	-6.6	37	1.7	330.9	5829	500
525	-3.6	18	1.0	327.8	5438	-4.8	26	1.3	327.3	5424	-3.7	M	M	M	5435	-4.6	63	3.3	333.7	5446	525
550	-1.1	20	1.3	327.2	5069	-1.0	18	1.2	327.0	5055	-1.6	M	M	M	5066	-1.8	67	4.1	335.3	5078	550
575	1.0	34	2.4	329.2	4713	1.0	27	1.9	327.7	4699	1.5	41	3.1	331.9	4710	1.2	62	4.5	336.1	4722	575
600	1.6	69	4.9	333.7	4370	2.9	35	2.8	328.6	4356	2.9	51	4.0	332.5	4366	3.1	66	5.3	336.6	4377	600
625	3.0	75	5.7	333.8	4040	4.7	43	3.7	329.9	4024	5.4	49	4.4	332.9	4034	5.1	65	5.7	336.6	4045	625
650	5.9	30	2.7	324.6	3720	6.4	51	4.7	331.4	3703	5.9	60	5.4	332.7	3712	7.3	61	6.0	336.0	3723	650
675	7.6	30	2.9	323.6	3410	7.6	53	5.1	330.2	3392	7.5	70	6.7	334.9	3402	8.1	77	7.7	338.7	3411	675
700	9.0	39	4.0	325.1	3110	6.4	33	2.8	318.6	3093	9.0	67	6.9	333.6	3101	9.4	84	8.9	340.1	3109	700
725	8.9	49	4.8	324.2	2819	9.6	69	7.1	331.8	2803	10.4	64	7.0	332.3	2809	9.7	92	9.6	339.0	2817	725
750	9.1	62	6.0	324.6	2538	9.4	60	5.9	324.7	2521	11.2	74	8.3	333.6	2526	11.5	85	9.7	338.1	2534	750
775	10.9	57	6.0	323.7	2265	11.2	64	6.9	326.5	2248	12.9	70	8.5	333.1	2251	13.2	70	8.6	333.7	2258	775
800	12.4	49	5.5	321.0	1999	13.0	68	8.0	328.7	1982	14.4	71	9.2	333.8	1982	14.1	79	10.1	336.0	1990	800
825	14.1	54	6.5	323.0	1740	14.6	72	9.2	331.0	1722	15.4	70	9.4	332.8	1721	15.7	79	10.8	336.8	1729	825
850	15.7	58	7.7	325.3	1487	15.9	77	10.4	333.2	1468	17.2	68	9.9	333.4	1467	17.5	73	10.9	336.4	1474	850
875	17.3	63	9.0	327.9	1240	17.3	82	11.7	335.5	1220	17.8	68	10.0	331.5	1219	18.9	72	11.4	336.6	1225	875
900	18.8	68	10.3	330.7	998	18.6	86	13.0	338.0	978	19.4	70	11.1	333.6	976	19.6	79	12.7	338.4	982	900
925	20.3	72	11.7	333.7	762	20.0	87	14.0	339.6	742	19.5	86	13.4	337.3	740	20.3	86	14.1	340.2	745	925
950	21.7	76	13.3	337.0	530	21.8	81	14.1	339.5	510	21.6	82	14.3	339.6	509	21.3	90	15.4	342.3	513	950
975	23.1	80	14.9	340.6	303	23.5	75	14.2	339.2	283	23.7	79	15.1	341.8	282	23.3	88	16.5	345.2	286	975
1000	24.5	85	16.6	344.4	81	25.5	76	15.7	343.3	61	25.8	75	15.8	344.0	59	25.3	86	17.6	348.1	63	1000
SFC.	25.0	86	17.3	345.8	0	26.3	80	17.4	348.1	0	26.3	74	16.0	344.5	0	25.8	85	17.9	349.0	0	SFC.
				SURFACE PRESSURE	1009.2				SURFACE PRESSURE	1006.9				SURFACE PRESSURE	1006.7				SURFACE PRESSURE	1007.2	



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

3/ 3 1120 GMT					3/ 3 1610 GMT					3/ 3 1833 GMT					3/ 3 2048 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-65.6	14	.0	464.1	19504	-65.3	0	0.0	464.7	19511	60	
70	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-70.5	14	.0	433.7	18574	-71.0	18	.0	432.6	18584	70	
80	-77.1	0	0.0	403.8	17746	0.0	0	0.0	0.0	0	-76.8	15	.0	404.4	17794	-75.4	18	.0	407.3	17804	80	
90	-76.7	0	0.0	391.1	17071	0.0	0	0.0	0.0	0	-78.2	15	.0	388.1	17117	-77.8	19	.0	389.0	17126	90	
100	-77.1	0	0.0	378.8	16464	0.0	0	0.0	0.0	0	-80.2	15	.0	372.8	16522	-80.0	19	.0	373.2	16526	100	
110	-78.2	0	0.0	366.5	15920	0.0	0	0.0	0.0	0	-77.1	15	.0	368.6	15979	-77.4	18	.0	368.1	15984	110	
120	-75.0	0	0.0	363.5	15419	0.0	0	0.0	0.0	0	-74.3	15	.0	364.7	15475	-74.9	18	.0	363.6	15482	120	
130	-72.0	0	0.0	360.6	14951	0.0	0	0.0	0.0	0	-71.4	15	.0	361.7	15006	-71.8	18	.0	360.9	15013	130	
140	-69.2	0	0.0	357.9	14511	0.0	0	0.0	0.0	0	-68.6	14	.0	358.9	14565	-69.0	17	.0	358.3	14573	140	
150	-66.6	0	0.0	355.4	14096	0.0	0	0.0	0.0	0	-66.1	14	.0	356.3	14149	-66.2	17	.0	356.1	14158	150	
160	-64.2	0	0.0	353.0	13704	0.0	0	0.0	0.0	0	-63.7	14	.0	353.8	13755	-63.3	17	.0	354.4	13764	160	
170	-61.9	0	0.0	350.7	13331	0.0	0	0.0	0.0	0	-60.7	14	.0	352.6	13381	-60.6	17	.0	352.8	13389	170	
180	-59.5	0	0.0	349.0	12975	0.0	0	0.0	0.0	0	-58.0	14	.0	351.5	13023	-58.1	17	.0	351.3	13031	180	
190	-56.7	0	0.0	348.0	12635	0.0	0	0.0	0.0	0	-55.3	14	.0	350.4	12680	-55.7	17	.0	349.8	12689	190	
200	-54.1	0	0.0	347.0	12308	-53.3	14	.0	348.5	12296	-52.9	14	.0	349.2	12351	-53.4	17	.0	348.3	12361	200	
225	-48.1	0	0.0	344.9	11542	-47.9	13	.0	345.3	11528	-47.6	13	.0	345.6	11582	-47.7	17	.0	345.5	11593	225	
250	-42.5	0	0.0	342.9	10839	-42.6	13	.0	342.9	10825	-42.4	13	.0	343.3	10879	-41.9	16	.1	344.0	10889	250	
275	-38.2	20	.1	340.4	10188	-37.6	12	.1	341.0	10175	-36.6	12	.1	342.5	10227	-36.7	16	.1	342.5	10236	275	
300	-34.9	23	.2	336.9	9585	-33.0	12	.1	339.2	9569	-31.4	12	.1	341.6	9617	-31.9	15	.1	341.1	9627	300	
325	-31.6	25	.2	334.0	9023	-28.8	11	.1	337.5	9001	-27.2	11	.1	339.8	9046	-27.4	15	.2	339.6	9056	325	
350	-27.4	23	.3	332.9	8494	-25.7	12	.2	334.8	8467	-23.4	10	.2	337.9	8508	-23.3	14	.2	338.3	8519	350	
375	-23.4	22	.3	331.9	7993	-23.1	14	.2	331.8	7964	-22.0	11	.2	333.3	8002	-19.5	14	.3	337.0	8010	375	
400	-19.8	20	.4	330.8	7518	-20.5	18	.3	329.6	7488	-18.9	13	.3	331.4	7524	-18.4	14	.3	332.3	7529	400	
425	-16.3	19	.5	329.8	7065	-17.7	34	.7	329.0	7038	-17.3	16	.4	328.2	7072	-16.6	15	.4	329.1	7074	425	
450	-13.1	18	.5	328.9	6632	-14.1	37	1.0	329.2	6607	-13.9	17	.5	327.6	6640	-14.6	17	.5	326.7	6643	450	
475	-10.2	23	.9	328.4	6218	-11.9	51	1.7	329.0	6194	-11.1	30	1.0	327.9	6228	-11.4	20	.7	326.3	6231	475	
500	-7.9	38	1.6	329.1	5821	-9.0	49	1.9	328.5	5800	-8.4	41	1.7	328.6	5832	-8.2	23	.9	326.4	5835	500	
525	-7.2	73	3.1	330.0	5440	-5.7	38	1.8	327.8	5419	-5.4	37	1.8	328.1	5451	-5.1	26	1.3	326.8	5454	525	
550	-4.5	66	3.3	329.6	5076	-3.4	40	2.2	327.3	5053	-2.5	33	1.9	327.6	5084	-2.1	28	1.7	327.4	5087	550	
575	-1.5	54	3.2	328.7	4723	-1.7	56	3.3	328.7	4700	-.3	36	2.3	327.4	4729	-.3	36	2.3	327.5	4732	575	
600	1.4	42	2.9	327.3	4382	-.0	65	4.1	329.3	4360	1.3	44	3.1	327.8	4388	.7	46	3.1	327.1	4391	600	
625	4.1	30	2.5	325.4	4052	2.6	64	4.7	330.4	4031	4.0	35	2.8	326.2	4057	3.5	44	3.5	327.7	4061	625	
650	6.7	20	1.8	322.7	3732	5.8	23	2.1	322.4	3712	6.5	25	2.3	324.1	3737	5.9	18	1.6	321.0	3741	650	
675	8.6	17	1.7	321.1	3421	7.8	15	1.4	319.3	3402	8.9	16	1.7	321.4	3426	8.2	17	1.7	320.6	3431	675	
700	10.2	16	1.8	319.8	3120	9.6	14	1.5	318.2	3102	10.4	15	1.7	319.7	3125	10.4	17	1.9	320.3	3130	700	
725	11.7	18	2.1	319.3	2828	10.6	15	1.6	316.4	2810	11.5	16	1.9	318.4	2832	12.6	16	2.0	320.0	2837	725	
750	11.6	59	6.8	329.8	2544	10.6	32	3.4	318.8	2528	12.6	17	2.1	317.2	2549	13.7	16	2.0	318.2	2553	750	
775	13.0	71	8.6	333.6	2269	11.6	61	6.7	326.5	2255	13.7	19	2.3	316.1	2274	14.8	15	2.1	316.5	2276	775	
800	14.3	82	10.6	337.7	2000	13.6	54	6.6	325.5	1988	14.2	43	5.4	322.9	2006	15.3	28	3.8	319.5	2008	800	
825	15.5	87	11.8	339.4	1739	15.3	62	8.3	329.4	1727	14.9	66	8.6	329.8	1746	15.6	45	6.1	323.6	1747	825	
850	16.4	86	12.0	338.1	1484	15.8	58	7.7	325.4	1473	17.1	47	6.8	324.5	1492	17.4	39	5.7	321.7	1493	850	
875	17.3	85	12.2	336.8	1237	15.7	74	9.5	327.6	1227	18.2	41	6.1	321.0	1244	17.8	37	5.5	318.7	1245	875	
900	20.2	49	8.2	326.6	994	16.4	86	11.3	330.4	987	18.4	50	7.4	322.3	1002	17.8	55	7.8	322.7	1004	900	
925	20.3	75	12.2	335.0	757	18.1	88	12.5	333.3	752	19.7	57	8.9	325.1	767	19.2	59	8.9	324.9	769	925	
950	21.0	90	15.1	341.1	526	19.9	89	13.7	336.0	523	20.7	67	10.9	329.3	536	20.1	71	11.2	329.3	539	950	
975	23.0	84	15.4	341.8	300	22.1	82	14.2	337.4	297	22.3	71	12.5	333.0	311	22.2	74	12.9	334.0	314	975	
1000	24.8	78	15.6	342.2	77	24.3	75	14.5	338.4	75	24.4	68	13.3	335.3	89	24.3	76	14.7	339.1	92	1000	
SFC.	25.5	76	15.7	342.3	0	25.0	73	14.6	338.7	0	25.1	74	14.9	339.4	0	25.2	77	15.6	341.4	0	SFC.	
				SURFACE PRESSURE	1008.8				SURFACE PRESSURE	1008.6				SURFACE PRESSURE	1010.2				SURFACE PRESSURE	1010.5		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

3/ 3 2337 GMT					3/ 4 240 GMT					3/ 4 1117 GMT					3/ 4 23 4 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-65.6	0	0.0	464.2	19493	-64.6	0	0.0	466.4	19436	-67.4	0	0.0	460.2	19386	-65.8	0	0.0	463.6	19510	60
70	-69.3	0	0.0	436.1	18563	-73.1	0	0.0	428.1	18510	-73.4	0	0.0	427.3	18471	-70.1	0	0.0	434.4	18579	70
80	-76.8	0	0.0	404.5	17781	-77.7	24	.0	402.5	17731	-77.9	0	0.0	402.1	17700	-75.2	0	0.0	407.7	17797	80
90	-75.6	0	0.0	393.3	17102	-78.9	24	.0	386.8	17059	-78.9	0	0.0	386.7	17028	-77.7	0	0.0	389.1	17118	90
100	-77.6	0	0.0	377.8	16494	-80.0	24	.0	373.2	16462	-79.8	0	0.0	373.5	16430	-77.8	0	0.0	377.4	16516	100
110	-76.9	0	0.0	369.0	15948	-78.4	24	.0	366.2	15921	-79.3	0	0.0	364.4	15891	-77.5	0	0.0	367.9	15973	110
120	-76.3	0	0.0	361.1	15447	-76.3	25	.0	361.0	15422	-75.9	0	0.0	361.8	15393	-74.4	0	0.0	364.4	15470	120
130	-73.4	0	0.0	357.9	14982	-73.0	25	.0	358.8	14957	-72.7	0	0.0	359.3	14927	-71.6	0	0.0	361.2	15001	130
140	-70.6	0	0.0	355.4	14546	-69.8	25	.0	356.9	14519	-69.8	0	0.0	356.9	14489	-69.1	0	0.0	358.1	14561	140
150	-67.3	0	0.0	354.1	14133	-66.8	24	.0	355.1	14105	-67.0	0	0.0	354.6	14075	-66.6	0	0.0	355.4	14146	150
160	-64.3	0	0.0	352.8	13741	-64.0	24	.0	353.3	13712	-64.5	0	0.0	352.4	13683	-63.7	0	0.0	353.8	13753	160
170	-61.4	0	0.0	351.5	13368	-61.4	24	.0	351.6	13339	-62.1	0	0.0	350.3	13310	-60.9	0	0.0	352.3	13379	170
180	-58.7	0	0.0	350.3	13011	-58.9	24	.0	349.9	12982	-59.2	0	0.0	349.3	12955	-58.3	0	0.0	350.8	13021	180
190	-56.1	0	0.0	349.0	12669	-56.6	24	.0	348.4	12641	-56.5	0	0.0	348.3	12614	-55.9	0	0.0	349.4	12679	190
200	-53.7	0	0.0	347.8	12342	-54.4	23	.0	346.8	12314	-54.0	0	0.0	347.3	12287	-53.4	0	0.0	348.3	12351	200
225	-48.1	0	0.0	344.8	11575	-49.3	23	.0	343.2	11551	-49.3	0	0.0	342.9	11522	-47.5	0	0.0	345.7	11583	225
250	-42.8	0	0.0	342.5	10872	-43.4	22	.1	341.9	10851	-44.5	0	0.0	339.9	10824	-42.3	0	0.0	343.2	10879	250
275	-37.4	17	.1	341.5	10222	-37.9	22	.1	340.8	10202	-39.7	20	.1	338.1	10179	-37.2	16	.1	341.7	10228	275
300	-31.9	16	.1	341.1	9614	-32.9	21	.2	339.7	9596	-34.6	20	.1	337.1	9578	-32.1	15	.1	340.6	9620	300
325	-27.4	16	.2	339.7	9043	-28.3	20	.2	338.7	9027	-29.6	19	.2	336.7	9013	-27.5	14	.2	339.5	9049	325
350	-23.7	16	.3	337.9	8506	-24.0	20	.3	337.6	8491	-24.9	17	.3	336.3	8479	-24.4	17	.3	336.9	8513	350
375	-20.2	16	.3	336.2	7998	-20.0	19	.4	336.7	7984	-20.5	16	.3	335.8	7973	-21.8	21	.4	334.2	8007	375
400	-17.0	16	.4	334.5	7517	-17.2	19	.5	334.5	7502	-19.2	22	.5	331.7	7495	-19.4	25	.5	331.7	7530	400
425	-16.1	16	.4	329.8	7061	-15.1	19	.5	331.6	7046	-16.6	25	.6	329.9	7042	-16.0	20	.5	330.4	7076	425
450	-13.4	16	.5	328.2	6628	-12.6	19	.6	329.6	6612	-13.6	22	.7	328.5	6610	-13.0	21	.6	329.4	6643	450
475	-10.5	16	.6	327.1	6215	-9.9	18	.7	328.2	6197	-10.8	20	.7	327.2	6196	-10.2	24	.9	328.6	6229	475
500	-7.8	17	.7	326.2	5818	-7.3	17	.8	326.9	5799	-8.1	18	.7	325.8	5800	-7.6	28	1.2	328.0	5831	500
525	-5.1	17	.8	325.3	5437	-6.1	23	1.1	324.9	5418	-7.2	19	.8	322.6	5420	-5.1	31	1.6	327.6	5450	525
550	-2.6	17	1.0	324.5	5070	-4.5	28	1.4	323.6	5053	-5.2	38	1.8	323.9	5056	-2.8	35	2.0	327.4	5082	550
575	-.2	17	1.1	323.7	4716	-1.7	29	1.7	323.7	4701	-2.7	38	2.1	323.8	4705	-.5	38	2.4	327.4	4728	575
600	2.1	18	1.3	323.0	4374	.9	30	2.0	324.0	4361	0.0	30	1.9	322.5	4366	1.6	41	2.9	327.6	4386	600
625	4.3	18	1.5	322.4	4043	3.4	31	2.4	324.3	4031	2.1	33	2.4	322.7	4038	3.7	44	3.5	327.9	4056	625
650	6.4	18	1.7	321.9	3723	5.8	31	2.8	324.7	3712	4.1	37	2.9	323.1	3720	5.7	46	4.1	328.5	3736	650
675	8.4	18	1.9	321.4	3412	8.1	32	3.2	325.0	3402	6.1	40	3.5	323.6	3412	7.6	49	4.7	329.0	3426	675
700	10.4	19	2.1	321.0	3111	10.0	28	3.0	323.3	3101	8.0	43	4.1	324.3	3113	9.0	41	4.1	325.6	3125	700
725	12.3	19	2.3	320.6	2818	11.8	24	2.8	321.6	2808	9.8	45	4.7	325.0	2822	10.3	33	3.5	322.0	2834	725
750	13.6	21	2.7	320.2	2533	13.5	20	2.6	319.7	2524	11.1	33	3.6	320.0	2540	11.6	25	2.9	318.3	2552	750
775	13.7	27	3.4	319.4	2258	12.8	27	3.2	317.8	2248	12.3	21	2.4	314.7	2266	12.9	18	2.1	314.6	2277	775
800	13.9	33	4.1	318.7	1990	14.3	32	4.1	319.2	1981	13.3	18	2.2	312.3	2000	12.7	41	4.7	319.0	2011	800
825	15.6	35	4.7	319.5	1730	15.7	38	5.1	320.8	1721	14.2	20	2.4	311.3	1741	13.2	55	6.4	321.6	1752	825
850	17.3	36	5.3	320.4	1476	16.5	45	6.2	322.1	1467	14.3	46	5.5	317.6	1489	14.3	61	7.4	322.9	1500	850
875	17.6	36	5.1	317.6	1228	15.8	65	8.4	324.7	1220	14.3	74	8.7	323.8	1244	15.3	68	8.5	324.3	1255	875
900	18.3	50	7.3	321.8	987	16.8	76	10.2	327.9	980	15.7	83	10.5	327.4	1005	17.0	66	9.0	324.9	1015	900
925	19.0	63	9.4	325.9	752	18.5	80	11.6	331.2	745	17.4	87	11.9	330.8	771	18.7	64	9.4	325.5	780	925
950	20.2	70	11.1	329.3	522	20.2	83	13.1	334.7	515	19.1	90	13.3	334.0	541	20.4	61	9.8	326.0	550	950
975	23.0	60	10.9	329.7	296	22.3	80	14.1	337.5	289	21.1	80	13.0	333.1	317	22.0	59	10.2	326.5	325	975
1000	24.6	70	13.7	336.6	74	24.4	78	15.1	340.2	68	23.2	74	13.3	333.8	96	23.5	67	12.3	331.4	104	1000
SFC.	24.9	76	15.1	340.0	0	25.0	77	15.4	341.1	0	24.3	77	14.7	338.0	0	24.1	77	14.5	337.1	0	SFC.
				SURFACE PRESSURE	1008.5				SURFACE PRESSURE	1007.7				SURFACE PRESSURE	1011.0				SURFACE PRESSURE	1011.9	



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

3/ 5 1134 GMT						3/11 1118 GMT					3/11 23 7 GMT				3/12 1124 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-67.6	0	0.0	459.5	19484	0.0	0	0.0	0.0	0	60	
70	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-71.8	0	0.0	430.7	18566	0.0	0	0.0	0.0	0	70	
80	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-75.5	0	0.0	407.0	17786	0.0	0	0.0	0.0	0	80	
90	0.0	0	0.0	0.0	0	-76.0	0	0.0	392.5	17043	-78.7	0	0.0	387.1	17110	-78.2	0	0.0	388.1	16982	90	
100	0.0	0	0.0	0.0	0	-74.2	0	0.0	384.4	16432	-79.4	0	0.0	374.4	16513	-78.5	0	0.0	376.1	16381	100	
110	0.0	0	0.0	0.0	0	-75.4	0	0.0	371.8	15878	-76.8	0	0.0	369.2	15968	-80.1	0	0.0	363.0	15841	110	
120	0.0	0	0.0	0.0	0	-72.5	0	0.0	368.0	15372	-74.4	0	0.0	364.4	15465	-77.5	0	0.0	358.8	15347	120	
130	0.0	0	0.0	0.0	0	-68.9	0	0.0	366.1	14897	-71.0	0	0.0	362.3	14995	-74.2	0	0.0	356.7	14884	130	
140	0.0	0	0.0	0.0	0	-65.6	0	0.0	364.2	14450	-67.7	0	0.0	360.5	14553	-70.9	0	0.0	354.9	14449	140	
150	0.0	0	0.0	0.0	0	-62.5	0	0.0	362.4	14028	-64.7	0	0.0	358.7	14135	-67.9	0	0.0	353.2	14037	150	
160	0.0	0	0.0	0.0	0	-62.5	0	0.0	355.8	13630	-61.7	0	0.0	357.1	13738	-65.0	0	0.0	351.5	13647	160	
170	0.0	0	0.0	0.0	0	-60.2	0	0.0	353.5	13254	-58.9	0	0.0	355.6	13360	-62.4	0	0.0	349.9	13275	170	
180	0.0	0	0.0	0.0	0	-58.0	0	0.0	351.3	12895	-56.3	0	0.0	354.2	12999	-59.8	0	0.0	348.4	12920	180	
190	0.0	0	0.0	0.0	0	-56.0	0	0.0	349.3	12553	-53.8	0	0.0	352.7	12654	-57.5	0	0.0	346.8	12580	190	
200	0.0	0	0.0	0.0	0	-54.0	0	0.0	347.3	12225	-51.4	0	0.0	351.4	12323	-55.2	0	0.0	345.4	12254	200	
225	0.0	0	0.0	0.0	0	-48.6	0	0.0	344.0	11460	-46.0	0	0.0	348.1	11549	-49.8	0	0.0	342.2	11494	225	
250	0.0	0	0.0	0.0	0	-43.8	0	0.0	340.9	10760	-41.1	0	0.0	345.0	10840	-44.1	0	0.0	340.5	10796	250	
275	0.0	0	0.0	0.0	0	-39.4	12	.1	338.4	10114	-38.3	19	.1	340.2	10188	-38.9	M	M	M	10149	275	
300	0.0	0	0.0	0.0	0	-35.8	12	.1	335.3	9513	-34.6	19	.1	337.1	9585	-36.5	M	M	M	9551	300	
325	-32.3	M	M	M	9035	-33.7	13	.1	330.6	8954	-30.9	19	.2	334.8	9021	-31.8	M	M	M	8991	325	
350	-28.7	M	M	M	8509	-30.4	13	.1	328.3	8431	-27.0	19	.2	333.2	8491	-27.4	M	M	M	8462	350	
375	-24.4	M	M	M	8011	-25.9	12	.2	327.9	7936	-23.5	19	.3	331.7	7991	-23.3	M	M	M	7961	375	
400	-20.4	M	M	M	7537	-21.8	11	.2	327.5	7465	-20.1	19	.4	330.3	7515	-19.4	M	M	M	7485	400	
425	-16.6	M	M	M	7085	-17.9	10	.2	327.0	7015	-16.5	19	.5	329.5	7063	-15.8	M	M	M	7032	425	
450	-13.0	M	M	M	6652	-16.6	13	.3	323.5	6587	-13.2	19	.6	328.8	6630	-13.2	M	M	M	6599	450	
475	-9.3	M	M	M	6237	-13.5	14	.4	322.8	6178	-10.0	19	.7	328.2	6216	-10.9	M	M	M	6185	475	
500	-5.9	M	M	M	5838	-10.4	15	.5	322.2	5786	-8.7	20	.8	325.2	5820	-9.5	M	M	M	5790	500	
525	-2.6	M	M	M	5454	-7.6	16	.7	321.7	5408	-5.5	20	1.0	325.3	5439	-7.5	M	M	M	5412	525	
550	-.3	M	M	M	5084	-4.8	31	1.5	323.6	5044	-2.3	20	1.2	325.4	5072	-4.9	M	M	M	5049	550	
575	.5	M	M	M	4728	-2.6	51	2.8	326.2	4693	-.3	24	1.5	324.9	4718	-2.4	M	M	M	4698	575	
600	3.0	M	M	M	4385	-2.5	71	3.8	325.2	4355	1.3	28	2.0	324.2	4377	.0	M	M	M	4359	600	
625	5.5	M	M	M	4054	-2.5	69	3.5	320.6	4031	2.8	33	2.4	323.7	4047	1.8	M	M	M	4031	625	
650	7.3	10	1.0	320.7	3732	-.1	56	3.3	319.3	3718	4.3	37	3.0	323.4	3729	2.9	M	M	M	3715	650	
675	8.5	10	1.0	318.7	3421	2.2	53	3.5	319.1	3414	5.7	41	3.5	323.2	3421	5.1	M	M	M	3408	675	
700	9.7	10	1.1	316.9	3121	4.4	49	3.7	318.9	3119	5.2	54	4.3	321.5	3123	7.2	M	M	M	3111	700	
725	8.7	26	2.6	317.2	2830	6.6	46	3.9	318.6	2832	7.6	72	6.6	327.8	2835	9.3	M	M	M	2822	725	
750	7.6	46	4.0	317.1	2550	8.5	48	4.5	319.6	2552	9.6	73	7.3	329.0	2554	10.1	M	M	M	2541	750	
775	8.8	49	4.4	316.8	2279	10.1	48	4.8	319.4	2280	11.4	74	8.1	330.3	2280	10.7	M	M	M	2269	775	
800	7.7	35	2.8	308.0	2017	11.1	58	6.0	320.9	2016	12.5	75	8.6	329.7	2014	12.6	M	M	M	2004	800	
825	11.7	97	10.2	330.3	1760	12.0	68	7.2	322.5	1758	13.3	76	8.9	328.7	1754	13.4	M	M	M	1746	825	
850	13.1	96	10.7	330.6	1509	12.7	93	10.2	328.5	1507	14.2	76	9.2	327.8	1502	14.2	M	M	M	1495	850	
875	14.5	95	11.3	331.1	1264	13.8	94	10.7	328.5	1263	15.9	68	8.9	326.1	1256	15.0	M	M	M	1251	875	
900	15.8	94	11.9	331.5	1024	14.8	95	11.3	328.6	1024	17.5	60	8.5	324.1	1016	15.8	M	M	M	1013	900	
925	17.1	94	12.5	332.0	790	16.2	96	12.1	329.9	791	19.0	58	8.7	324.0	781	17.6	M	M	M	780	925	
950	18.5	92	13.1	332.5	561	18.5	98	14.0	335.0	562	20.3	64	10.1	326.6	551	19.7	M	M	M	551	950	
975	20.3	86	13.4	333.2	337	20.5	91	14.3	335.7	338	21.6	67	11.3	328.9	326	21.8	M	M	M	327	975	
1000	22.1	81	13.7	333.6	117	22.4	84	14.4	335.9	117	23.7	69	12.9	333.5	105	23.8	M	M	M	106	1000	
SFC.	23.1	78	13.8	333.8	0	23.4	80	14.5	335.9	0	25.0	80	16.0	342.1	0	24.7	79	15.5	340.4	0	SFC.	
				SURFACE PRESSURE	1013.5				SURFACE PRESSURE	1013.5				SURFACE PRESSURE	1012.0				SURFACE PRESSURE	1012.1		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

3/12 1812 GMT						3/12 23 0 GMT					3/13 5 0 GMT					3/13 1115 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	0.0	0	0.0	0.0	0	-64.4	0	0.0	466.8	19530	-64.2	0	0.0	467.3	19497	0.0	0	0.0	0.0	0	60	
70	0.0	0	0.0	0.0	0	-68.3	0	0.0	438.4	18594	-70.8	18	.0	433.0	18567	0.0	0	0.0	0.0	0	70	
80	0.0	0	0.0	0.0	0	-75.8	0	0.0	406.4	17809	-75.7	19	.0	406.7	17787	0.0	0	0.0	0.0	0	80	
90	0.0	0	0.0	0.0	0	-79.5	0	0.0	385.7	17136	-81.4	21	.0	381.8	17118	0.0	0	0.0	0.0	0	90	
100	-78.2	18	.0	376.6	16540	-78.8	0	0.0	375.4	16537	-80.0	22	.0	373.2	16525	-77.7	0	0.0	377.6	16531	100	
110	-77.0	18	.0	368.8	15994	-77.1	0	0.0	368.5	15993	-79.2	20	.0	364.7	15984	-75.2	0	0.0	372.2	15982	110	
120	-74.7	17	.0	364.0	15491	-74.8	0	0.0	363.7	15491	-76.0	20	.0	361.6	15486	-72.9	0	0.0	367.3	15474	120	
130	-72.5	17	.0	359.7	15023	-72.7	0	0.0	359.2	15024	-73.0	20	.0	358.8	15020	-70.8	0	0.0	362.7	15002	130	
140	-69.3	17	.0	357.8	14584	-70.8	0	0.0	355.1	14587	-70.3	20	.0	356.0	14583	-68.8	0	0.0	358.6	14561	140	
150	-66.3	16	.0	355.9	14169	-67.5	0	0.0	353.8	14174	-67.7	20	.0	353.4	14170	-67.0	0	0.0	354.7	14146	150	
160	-63.5	16	.0	354.2	13776	-64.5	0	0.0	352.5	13783	-65.4	20	.0	351.0	13780	-65.3	0	0.0	351.1	13755	160	
170	-60.8	16	.0	352.5	13401	-61.6	0	0.0	351.2	13410	-62.8	20	.0	349.2	13409	-63.7	0	0.0	347.7	13385	170	
180	-58.2	16	.0	351.1	13044	-58.9	0	0.0	349.9	13053	-59.6	20	.0	348.8	13054	-60.7	0	0.0	347.0	13032	180	
190	-55.7	16	.0	349.8	12701	-56.3	0	0.0	348.7	12712	-56.6	19	.0	348.3	12714	-57.8	0	0.0	346.3	12693	190	
200	-53.3	16	.0	348.5	12373	-53.9	0	0.0	347.4	12385	-53.7	19	.0	347.8	12386	-55.1	0	0.0	345.5	12367	200	
225	-47.9	15	.0	345.3	11605	-47.7	0	0.0	345.4	11618	-49.0	19	.0	343.6	11621	-48.9	0	0.0	343.6	11604	225	
250	-42.7	15	.1	342.8	10902	-41.9	0	0.0	343.7	10914	-44.0	18	.1	341.0	10922	-43.3	0	0.0	341.7	10904	250	
275	-37.5	15	.1	341.3	10252	-37.0	16	.1	342.1	10261	-38.5	17	.1	339.9	10275	-38.0	12	.1	340.4	10255	275	
300	-33.0	15	.1	339.4	9645	-32.5	16	.1	340.1	9654	-32.8	16	.1	339.7	9669	-32.9	12	.1	339.4	9649	300	
325	-29.9	17	.2	336.2	9079	-28.5	17	.2	338.2	9085	-29.2	17	.2	337.2	9101	-28.2	11	.1	338.4	9081	325	
350	-25.6	16	.2	335.1	8546	-24.7	17	.2	336.5	8549	-25.9	17	.2	334.8	8569	-24.1	11	.2	337.0	8544	350	
375	-21.3	15	.3	334.5	8042	-21.2	17	.3	334.8	8044	-21.7	17	.3	334.1	8065	-20.8	10	.2	334.9	8038	375	
400	-17.3	14	.3	333.8	7562	-17.9	17	.4	333.3	7564	-17.8	17	.4	333.4	7586	-17.7	10	.2	332.9	7558	400	
425	-13.5	13	.4	333.2	7104	-14.2	17	.5	332.6	7108	-13.9	15	.5	332.9	7129	-14.1	10	.3	332.1	7101	425	
450	-10.4	13	.5	332.1	6667	-10.7	16	.6	332.0	6671	-10.5	14	.6	332.1	6692	-10.6	10	.4	331.3	6664	450	
475	-9.0	13	.5	328.8	6250	-8.1	16	.7	330.6	6253	-7.6	14	.6	331.0	6273	-7.4	10	.5	330.5	6246	475	
500	-6.3	13	.6	327.6	5851	-6.1	17	.8	328.6	5854	-5.5	14	.7	328.9	5873	-5.6	10	.5	328.2	5845	500	
525	-5.8	18	.8	324.4	5469	-3.8	20	1.1	327.9	5470	-4.1	47	2.5	331.9	5489	-3.8	10	.5	325.9	5461	525	
550	-4.0	19	1.0	322.8	5104	-1.5	23	1.4	327.2	5101	-2.0	35	2.1	329.0	5121	-2.4	31	1.8	327.3	5093	550	
575	-1.0	18	1.1	322.7	4751	.7	25	1.8	326.8	4746	.1	34	2.3	327.7	4766	-.5	35	2.2	327.0	4739	575	
600	1.9	17	1.2	322.5	4410	2.7	28	2.1	326.5	4403	2.0	37	2.7	327.4	4424	2.0	21	1.5	323.7	4398	600	
625	4.6	15	1.3	322.3	4079	4.7	29	2.5	326.1	4071	3.9	48	3.8	329.2	4093	3.3	43	3.3	327.0	4067	625	
650	7.3	14	1.4	322.0	3758	6.5	30	2.8	325.5	3751	5.8	33	2.9	325.1	3773	5.6	41	3.6	326.9	3748	650	
675	7.8	24	2.4	322.2	3448	8.3	30	3.1	325.0	3440	7.8	40	3.9	327.0	3463	8.0	38	3.7	326.5	3438	675	
700	10.1	31	3.5	324.8	3147	10.1	31	3.4	324.5	3139	9.7	22	2.3	321.0	3162	9.2	60	6.3	323.2	3137	700	
725	11.6	31	3.7	323.9	2854	11.6	27	3.2	322.5	2846	11.3	35	4.0	324.6	2870	10.4	82	9.0	338.1	2845	725	
750	12.5	27	3.3	320.6	2570	12.9	15	1.9	316.7	2562	12.8	47	5.8	328.5	2586	12.4	73	8.8	336.5	2561	750	
775	10.3	77	7.8	328.1	2298	13.7	35	4.4	322.2	2287	14.4	50	6.7	329.8	2309	13.8	74	9.5	337.0	2284	775	
800	12.7	68	7.8	328.0	2032	14.4	54	6.9	327.4	2019	16.1	47	6.8	329.1	2040	14.4	93	12.1	342.0	2015	800	
825	15.1	59	7.7	327.5	1772	15.4	40	5.4	321.1	1758	16.9	70	10.3	337.2	1778	15.7	97	13.2	343.7	1754	825	
850	16.7	62	8.7	329.5	1518	17.0	50	7.1	325.2	1504	17.5	85	12.7	341.5	1522	17.1	96	14.0	344.6	1499	850	
875	17.0	72	10.1	330.8	1271	17.8	61	9.0	328.6	1256	18.0	85	12.7	339.2	1273	18.4	96	14.8	345.6	1249	875	
900	17.3	82	11.4	331.9	1030	18.1	66	9.6	328.1	1015	19.5	85	13.6	340.8	1030	19.8	96	15.6	346.6	1006	900	
925	18.5	86	12.6	333.9	795	19.9	61	9.7	327.8	779	21.0	85	14.6	342.5	793	21.3	93	16.3	347.7	768	925	
950	20.5	85	13.8	336.8	564	21.2	63	10.7	329.4	549	22.5	85	15.5	344.3	561	22.9	91	17.0	348.6	535	950	
975	22.4	84	15.0	339.9	338	22.5	69	12.2	332.6	323	23.9	85	16.5	346.1	333	24.3	88	17.6	349.6	307	975	
1000	24.3	84	16.2	343.0	116	24.7	75	14.8	339.9	101	25.3	85	17.5	348.0	110	25.8	86	18.2	350.4	84	1000	
SFC.	25.3	83	16.9	344.8	0	25.8	81	17.0	345.9	0	26.0	85	18.1	349.0	0	26.3	85	18.4	350.8	0	SFC.	
				SURFACE PRESSURE	1013.3				SURFACE PRESSURE	1011.5				SURFACE PRESSURE	1012.5				SURFACE PRESSURE	1009.5		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

3/13 1835 GMT						3/13 23 7 GMT					3/14 5 5 GMT					3/14 1115 GMT				P		
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-61.9	15	.0	472.4	19556	-64.1	0	0.0	467.4	19514	0.0	0	0.0	0.0	0	-64.7	0	0.0	466.0	19497	60	
70	-67.8	16	.0	439.5	18613	-67.6	0	0.0	439.7	18576	0.0	0	0.0	0.0	0	-68.2	0	0.0	438.4	18556	70	
80	-79.0	17	.0	399.8	17837	-77.3	0	0.0	403.4	17792	0.0	0	0.0	0.0	0	-76.4	0	0.0	405.2	17768	80	
90	-79.8	18	.0	385.0	17172	-82.0	0	0.0	380.6	17128	0.0	0	0.0	0.0	0	-81.6	0	0.0	381.3	17104	90	
100	-78.1	17	.0	376.9	16573	-80.9	0	0.0	371.4	16537	0.0	0	0.0	0.0	0	-81.0	0	0.0	371.2	16512	100	
110	-76.6	17	.0	369.6	16026	-77.8	0	0.0	367.2	15996	0.0	0	0.0	0.0	0	-78.7	0	0.0	365.6	15972	110	
120	-74.5	17	.0	364.4	15523	-75.0	0	0.0	363.4	15494	-77.1	19	.0	359.5	15520	-76.6	0	0.0	360.5	15474	120	
130	-71.6	17	.0	361.4	15054	-72.1	0	0.0	360.4	15027	-73.0	18	.0	358.8	15056	-73.9	0	0.0	357.1	15011	130	
140	-68.9	17	.0	358.5	14613	-69.0	0	0.0	358.2	14587	-69.4	19	.0	357.5	14617	-70.8	0	0.0	355.1	14575	140	
150	-66.3	16	.0	355.8	14198	-66.2	0	0.0	356.1	14172	-66.2	19	.0	356.1	14203	-67.9	0	0.0	353.2	14163	150	
160	-64.0	16	.0	353.3	13805	-63.5	0	0.0	354.1	13778	-63.2	20	.0	354.7	13809	-65.1	0	0.0	351.4	13773	160	
170	-61.8	16	.0	350.9	13432	-62.6	0	0.0	349.6	13405	-62.5	19	.0	349.7	13435	-62.6	0	0.0	349.6	13401	170	
180	-59.7	16	.0	348.6	13076	-60.1	0	0.0	348.0	13051	-59.8	19	.0	348.4	13080	-60.1	0	0.0	347.9	13046	180	
190	-56.7	16	.0	348.2	12736	-57.3	0	0.0	347.0	12711	-57.0	19	.0	347.6	12740	-57.8	0	0.0	346.2	12707	190	
200	-53.7	15	.0	347.9	12408	-54.7	0	0.0	346.1	12385	-54.4	18	.0	346.8	12414	-55.1	0	0.0	345.6	12382	200	
225	-47.2	15	.0	346.4	11640	-48.7	0	0.0	343.9	11621	-48.1	18	.0	344.9	11649	-48.3	0	0.0	344.5	11618	225	
250	-42.8	15	.1	342.7	10936	-43.4	0	0.0	341.6	10920	-41.9	17	.1	344.0	10945	-42.3	0	0.0	343.3	10915	250	
275	-37.5	15	.1	341.3	10286	-38.2	21	.1	340.3	10272	-36.3	16	.1	343.0	10291	-37.0	19	.1	342.1	10263	275	
300	-32.2	14	.1	340.5	9678	-33.1	20	.2	339.5	9667	-31.6	16	.1	341.4	9682	-32.4	19	.2	340.4	9655	300	
325	-27.7	14	.2	339.2	9108	-28.3	20	.2	338.6	9098	-27.8	16	.2	339.2	9111	-28.1	18	.2	338.8	9086	325	
350	-23.6	14	.2	337.9	8571	-23.9	20	.3	337.8	8562	-23.6	16	.3	338.0	8574	-24.2	18	.3	337.2	8550	350	
375	-19.7	14	.3	336.7	8063	-19.7	19	.4	337.1	8054	-19.3	16	.4	337.4	8065	-20.0	18	.4	336.6	8042	375	
400	-17.3	14	.4	333.9	7582	-15.9	19	.5	336.3	7571	-15.3	16	.5	336.9	7582	-15.9	17	.5	336.1	7560	400	
425	-13.7	15	.5	333.2	7124	-12.9	19	.6	334.8	7112	-12.3	16	.6	335.4	7121	-13.6	18	.6	333.7	7101	425	
450	-10.3	16	.6	332.5	6687	-10.0	19	.7	333.4	6673	-9.4	16	.7	333.9	6682	-11.2	18	.6	331.6	6665	450	
475	-7.1	17	.8	332.0	6268	-7.3	18	.9	332.1	6254	-6.7	16	.8	332.6	6262	-7.7	17	.8	331.3	6247	475	
500	-4.6	17	.9	330.8	5866	-4.7	18	1.0	330.8	5853	-4.1	16	.9	331.3	5860	-5.3	20	1.0	330.2	5846	500	
525	-2.8	16	1.0	328.6	5481	-2.3	18	1.1	329.6	5467	-2.2	15	.9	329.1	5473	-2.9	23	1.3	329.6	5461	525	
550	-1.1	16	1.0	326.4	5111	.0	18	1.2	328.5	5097	-1.2	50	3.2	333.3	5103	-2.2	58	3.4	332.7	5092	550	
575	-.7	24	1.5	324.3	4757	1.4	26	1.9	328.2	4740	-.0	56	3.7	332.2	4747	-.9	98	6.1	338.3	4738	575	
600	1.4	41	2.9	327.2	4415	2.8	33	2.5	327.8	4396	1.4	61	4.3	331.7	4405	1.2	93	6.5	337.9	4396	600	
625	3.6	28	2.2	323.9	4085	4.9	23	2.0	324.9	4065	4.0	43	3.5	328.4	4075	3.7	65	5.2	333.2	4065	625	
650	5.3	36	3.1	325.0	3766	6.6	27	2.5	324.8	3744	5.7	51	4.5	329.8	3755	5.9	56	5.0	331.6	3745	650	
675	7.0	42	3.9	326.0	3457	8.3	31	3.1	325.0	3433	7.7	63	6.2	333.4	3445	8.1	48	4.8	329.8	3434	675	
700	9.4	33	3.5	324.2	3156	9.9	34	3.7	325.4	3132	9.9	57	6.2	332.8	3143	10.1	39	4.4	327.6	3133	700	
725	11.7	26	3.1	322.4	2864	11.4	38	4.4	325.9	2839	12.0	51	6.2	331.9	2850	11.4	52	6.1	331.1	2840	725	
750	12.9	53	6.6	330.8	2580	12.9	42	5.2	326.6	2555	13.6	57	7.4	334.2	2565	12.5	85	10.4	341.2	2556	750	
775	14.1	54	7.0	330.3	2303	14.3	45	5.9	327.4	2278	14.9	58	8.0	334.1	2288	13.6	90	11.5	342.5	2279	775	
800	15.3	61	8.3	332.4	2035	15.7	48	6.7	328.4	2009	15.6	73	10.2	338.2	2018	14.7	91	12.1	342.5	2010	800	
825	16.5	71	10.3	336.4	1773	17.0	51	7.6	329.4	1747	16.1	92	13.0	343.5	1756	15.8	92	12.7	342.5	1748	825	
850	17.9	61	9.3	332.6	1517	18.3	54	8.5	330.0	1492	17.6	93	13.9	345.1	1500	16.9	93	13.4	342.6	1493	850	
875	19.5	60	9.8	332.8	1268	19.6	57	9.4	332.0	1242	19.2	91	14.7	346.3	1251	17.9	94	14.0	342.7	1244	875	
900	21.1	64	11.3	336.2	1024	20.8	60	10.4	333.4	999	20.7	90	15.5	347.6	1006	18.9	95	14.7	342.9	1002	900	
925	22.6	69	12.9	339.9	786	19.5	87	13.5	337.6	761	22.2	88	16.3	348.9	768	20.6	94	15.7	345.0	764	925	
950	24.1	73	14.7	343.9	552	21.8	81	14.2	339.6	530	23.7	87	17.1	350.2	534	22.3	93	16.8	347.3	532	950	
975	25.6	77	16.5	348.2	323	24.0	75	14.7	341.3	303	25.1	86	17.9	351.5	305	23.9	92	17.8	349.6	304	975	
1000	27.0	81	18.5	352.9	99	26.1	77	16.6	346.5	79	26.5	84	18.7	352.8	81	25.5	90	18.9	352.0	81	1000	
SFC.	27.6	83	19.4	355.0	0	26.7	87	19.4	353.9	0	27.0	84	19.0	353.3	0	26.1	90	19.3	352.9	0	SFC.	
				SURFACE PRESSURE	1011.2				SURFACE PRESSURE	1009.0				SURFACE PRESSURE	1009.2				SURFACE PRESSURE	1009.2		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

3/14 1636 GMT						3/14 19 1 GMT					3/14 2029 GMT					3/14 23 4 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-64.1	0	0.0	467.4	19581	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-65.0	0	0.0	465.5	19572	60	
70	-64.6	25	.0	446.2	18638	0.0	0	0.0	0.0	0	-67.3	0	0.0	440.5	18649	-65.5	0	0.0	444.3	18633	70	
80	-72.3	25	.0	413.7	17838	0.0	0	0.0	0.0	0	-73.4	0	0.0	411.4	17857	-75.6	0	0.0	406.8	17841	80	
90	-80.3	26	.0	384.1	17163	0.0	0	0.0	0.0	0	-79.1	0	0.0	386.3	17179	-80.3	0	0.0	384.0	17170	90	
100	-79.5	26	.0	374.1	16567	0.0	0	0.0	0.0	0	-79.4	18	.0	374.3	16581	-79.3	0	0.0	374.5	16574	100	
110	-77.2	26	.0	368.4	16024	0.0	0	0.0	0.0	0	-76.9	18	.0	369.1	16036	-77.2	0	0.0	368.4	16030	110	
120	-74.4	25	.0	364.5	15521	0.0	0	0.0	0.0	0	-74.5	18	.0	364.3	15533	-75.3	0	0.0	362.8	15528	120	
130	-71.8	25	.0	360.8	15052	-72.4	19	.0	359.8	15070	-72.4	18	.0	359.8	15065	-73.2	0	0.0	358.3	15062	130	
140	-69.2	25	.0	357.9	14612	-69.6	19	.0	357.2	14631	-69.3	18	.0	357.7	14626	-70.1	0	0.0	356.3	14625	140	
150	-66.4	25	.0	355.8	14197	-67.0	18	.0	354.7	14217	-66.4	18	.0	355.7	14211	-67.2	0	0.0	354.3	14212	150	
160	-63.8	25	.0	353.7	13804	-64.6	18	.0	352.3	13826	-63.7	17	.0	353.8	13818	-64.4	0	0.0	352.7	13820	160	
170	-61.3	25	.0	351.8	13430	-61.9	18	.0	350.7	13453	-61.2	17	.0	351.9	13444	-61.3	0	0.0	351.7	13446	170	
180	-59.0	25	.0	349.9	13074	-58.9	18	.0	350.0	13097	-58.8	17	.0	350.1	13087	-58.4	0	0.0	350.7	13089	180	
190	-56.5	25	.0	348.5	12733	-56.0	18	.0	349.3	12755	-55.9	17	.0	349.4	12746	-55.7	0	0.0	349.7	12747	190	
200	-53.5	25	.0	348.2	12405	-53.3	18	.0	348.5	12427	-53.2	16	.0	348.6	12417	-53.1	0	0.0	348.8	12418	200	
225	-46.7	24	.1	347.2	11636	-47.0	18	.0	346.7	11658	-46.9	15	.0	346.7	11648	-46.7	0	0.0	347.0	11648	225	
250	-40.6	23	.1	346.1	10928	-40.7	17	.1	345.8	10950	-40.9	15	.1	345.6	10940	-40.9	0	0.0	345.3	10940	250	
275	-35.2	22	.2	344.8	10271	-35.1	17	.1	344.9	10294	-35.3	15	.1	344.5	10284	-35.8	17	.1	343.9	10285	275	
300	-30.3	21	.2	343.6	9658	-29.9	16	.2	344.0	9681	-30.4	15	.2	343.1	9672	-31.1	17	.2	342.2	9674	300	
325	-26.9	21	.3	340.7	9085	-26.7	16	.2	340.7	9106	-27.2	15	.2	340.0	9099	-26.9	16	.2	340.5	9102	325	
350	-24.5	22	.3	337.0	8548	-24.0	16	.3	337.4	8569	-24.1	14	.2	337.1	8562	-22.9	16	.3	339.0	8563	350	
375	-19.7	21	.5	337.2	8041	-19.8	16	.3	336.7	8061	-20.1	14	.3	336.1	8055	-19.2	16	.4	337.6	8053	375	
400	-16.0	25	.7	336.8	7557	-15.4	15	.4	336.7	7578	-15.8	14	.4	336.0	7573	-15.8	16	.4	336.2	7570	400	
425	-12.8	25	.8	335.6	7098	-12.2	15	.5	335.3	7117	-12.7	14	.5	334.4	7113	-12.5	16	.5	334.9	7110	425	
450	-9.8	26	1.1	334.8	6659	-9.5	16	.7	333.7	6678	-9.8	14	.6	333.0	6674	-9.5	16	.6	333.7	6671	450	
475	-6.9	28	1.4	334.2	6240	-7.3	25	1.2	333.2	6259	-7.1	14	.7	331.7	6255	-6.6	15	.8	332.6	6251	475	
500	-4.2	31	1.7	333.9	5838	-3.7	18	1.0	332.2	5857	-4.5	14	.8	330.4	5853	-3.8	15	.9	331.6	5849	500	
525	-1.6	33	2.1	333.8	5451	-2.2	19	1.1	329.9	5470	-2.6	14	.8	328.3	5468	-1.3	18	1.2	331.1	5462	525	
550	-.8	47	3.1	333.6	5080	-.5	30	2.0	330.4	5100	-1.1	51	3.3	333.7	5098	-.6	51	3.4	334.7	5090	550	
575	-.6	71	4.5	333.8	4724	.1	48	3.2	330.7	4743	.2	19	1.2	324.6	4743	.4	69	4.7	335.6	4734	575	
600	1.3	78	5.5	335.0	4382	1.5	57	4.0	330.8	4401	1.7	37	2.6	326.8	4400	2.9	50	3.9	332.2	4391	600	
625	3.4	70	5.5	333.6	4052	3.4	47	3.7	328.3	4071	3.2	43	3.3	327.0	4070	4.2	43	3.6	328.9	4059	625	
650	5.3	63	5.4	332.1	3732	5.3	46	4.0	327.7	3751	5.3	43	3.7	326.7	3751	5.5	36	3.2	325.5	3739	650	
675	7.0	62	5.8	331.5	3422	7.2	46	4.3	327.5	3442	7.2	44	4.1	327.0	3442	7.4	47	4.5	328.1	3429	675	
700	8.4	68	6.7	332.5	3122	8.8	54	5.5	329.4	3141	9.1	45	4.7	327.3	3141	9.5	48	5.1	329.1	3129	700	
725	9.7	71	7.4	332.8	2831	10.4	62	6.8	331.6	2850	11.0	46	5.2	327.7	2849	11.5	47	5.6	329.4	2836	725	
750	11.0	74	8.1	332.9	2548	11.9	69	8.1	334.1	2566	12.1	48	5.6	327.2	2566	13.4	46	6.0	329.8	2552	750	
775	13.3	80	10.0	337.8	2273	14.8	53	7.2	331.9	2290	13.8	49	6.3	328.0	2290	13.9	67	8.7	335.0	2275	775	
800	14.5	83	10.9	338.7	2004	15.8	53	7.5	330.6	2021	14.8	57	7.6	329.8	2021	15.2	69	9.4	335.6	2006	800	
825	14.6	81	10.3	334.3	1743	16.3	58	8.2	330.4	1759	16.2	55	7.8	329.1	1760	16.5	70	10.0	335.8	1744	825	
850	16.5	79	11.1	335.8	1489	16.5	67	9.4	331.2	1504	17.7	52	7.9	328.2	1505	17.8	70	10.6	336.0	1488	850	
875	18.6	78	12.1	338.2	1240	17.2	75	10.6	332.4	1257	18.5	59	9.0	329.6	1257	19.1	70	11.2	336.3	1239	875	
900	20.1	77	12.7	339.0	997	18.9	78	12.0	335.4	1015	19.3	64	10.1	331.0	1014	20.3	70	11.8	336.7	996	900	
925	21.2	76	13.1	338.8	759	20.5	81	13.4	338.6	778	20.1	70	11.3	332.4	778	21.4	71	12.4	337.0	758	925	
950	22.5	80	14.7	341.9	527	22.1	84	14.9	342.1	546	21.1	75	12.6	334.6	547	22.6	72	13.2	338.0	526	950	
975	23.8	86	16.6	346.2	300	23.9	85	16.6	346.2	319	23.9	79	15.3	342.7	320	24.3	72	14.3	340.5	298	975	
1000	25.2	91	18.7	350.9	77	25.9	86	18.3	350.9	95	26.6	83	18.3	351.8	96	26.5	74	16.2	346.0	75	1000	
SFC.	25.6	93	19.4	352.5	0	26.7	86	19.1	353.0	0	27.7	84	19.8	356.2	0	27.2	81	18.6	352.4	0	SFC.	
				SURFACE PRESSURE	1008.7				SURFACE PRESSURE	1010.8				SURFACE PRESSURE	1010.9				SURFACE PRESSURE	1008.5		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

P	T	3/15 2 4 GMT				H	T	3/15 335 GMT				H	T	3/15 542 GMT				H	P			
		RH	W	EPT				RH	W	EPT				RH	W	EPT				T	RH	W
60	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	-66.2	0	0.0	462.6	19513	0.0	0	0.0	0.0	0	60
70	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	-66.0	30	.0	443.3	18579	0.0	0	0.0	0.0	0	70
80	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	-76.0	30	.0	406.0	17782	0.0	0	0.0	0.0	0	80
90	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	-82.0	31	.0	380.6	17121	0.0	0	0.0	0.0	0	90
100	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	-81.3	31	.0	370.7	16530	0.0	0	0.0	0.0	0	100
110	0.0	0	0.0	0.0	0	-78.4	27	.0	366.2	15995	0	-78.4	31	.0	366.1	15990	0.0	0	0.0	0.0	0	110
120	0.0	0	0.0	0.0	0	-75.5	27	.0	362.6	15495	0	-75.8	30	.0	362.0	15491	0.0	0	0.0	0.0	0	120
130	0.0	0	0.0	0.0	0	-72.8	28	.0	359.2	15028	0	-73.4	30	.0	358.1	15025	0.0	0	0.0	0.0	0	130
140	0.0	0	0.0	0.0	0	-70.3	28	.0	356.0	14591	0	-70.6	30	.0	355.4	14589	0.0	0	0.0	0.0	0	140
150	0.0	0	0.0	0.0	0	-67.4	28	.0	354.1	14178	0	-67.4	30	.0	354.0	14176	0.0	0	0.0	0.0	0	150
160	0.0	0	0.0	0.0	0	-64.4	27	.0	352.7	13787	0	-64.4	30	.0	352.6	13785	0.0	0	0.0	0.0	0	160
170	0.0	0	0.0	0.0	0	-61.5	27	.0	351.4	13413	0	-61.6	29	.0	351.3	13412	0.0	0	0.0	0.0	0	170
180	0.0	0	0.0	0.0	0	-58.7	27	.0	350.3	13057	0	-58.9	29	.0	350.0	13055	0.0	0	0.0	0.0	0	180
190	-56.3	20	.0	348.8	12697	-56.0	27	.0	349.3	12715	0	-56.4	29	.0	348.7	12714	0.0	0	0.0	0.0	0	190
200	-53.7	19	.0	347.8	12369	-53.5	27	.0	348.2	12387	0	-53.9	29	.0	347.6	12387	0.0	0	0.0	0.0	0	200
225	-47.9	18	.0	345.4	11602	-47.7	26	.1	345.7	11619	0	-47.6	28	.1	345.8	11620	-46.8	16	.0	347.0	11699	225
250	-42.3	18	.1	343.4	10899	-42.2	26	.1	343.8	10915	0	-42.0	28	.1	344.0	10915	-41.1	16	.1	345.3	10992	250
275	-37.2	18	.1	341.7	10247	-36.8	25	.1	342.5	10263	0	-37.0	27	.2	342.3	10263	-35.7	16	.1	343.9	10337	275
300	-32.6	17	.1	340.1	9640	-31.9	25	.2	341.3	9655	0	-32.4	27	.2	340.7	9655	-30.9	16	.2	342.5	9726	300
325	-28.3	17	.2	338.5	9071	-27.4	24	.3	340.1	9084	0	-27.9	27	.3	339.5	9085	-26.4	16	.2	341.3	9152	325
350	-23.5	17	.3	338.2	8535	-23.2	24	.4	339.0	8546	0	-23.7	26	.4	338.4	8549	-22.2	16	.3	340.0	8612	350
375	-19.4	17	.4	337.3	8026	-19.3	23	.5	338.0	8037	0	-19.8	25	.5	337.4	8041	-18.3	16	.4	338.9	8101	375
400	-16.0	16	.4	335.9	7543	-15.7	23	.6	337.0	7553	0	-16.2	25	.7	336.5	7558	-14.7	16	.5	337.8	7616	400
425	-12.8	17	.6	334.6	7084	-12.6	27	.9	336.3	7093	0	-12.9	25	.8	335.5	7099	-11.9	16	.6	336.0	7154	425
450	-9.8	17	.7	333.5	6645	-10.2	25	1.0	333.9	6655	0	-10.2	26	1.0	334.1	6660	-9.2	17	.7	334.3	6715	450
475	-7.0	18	.8	332.4	6226	-7.2	25	1.2	333.3	6236	0	-7.5	25	1.2	332.8	6242	-6.7	25	1.2	333.9	6295	475
500	-4.3	19	1.0	331.4	5824	-4.3	25	1.4	332.7	5834	0	-5.1	27	1.4	331.8	5841	-4.0	28	1.6	333.7	5892	500
525	-2.3	27	1.6	331.4	5438	-4.1	65	3.5	335.1	5449	0	-6.6	44	2.0	327.2	5459	-4.2	44	2.3	331.3	5506	525
550	-2.0	63	3.8	334.1	5068	-2.8	96	5.5	338.2	5080	0	-4.1	90	4.6	334.1	5092	-2.1	83	5.0	337.6	5137	550
575	-.7	86	5.4	336.4	4714	-1.8	97	5.6	335.7	4726	0	-1.9	94	5.5	335.0	4740	.1	73	4.9	336.0	4782	575
600	.5	75	5.0	332.5	4372	-.4	88	5.5	332.9	4386	0	1.3	76	5.3	334.6	4398	2.8	58	4.5	333.9	4439	600
625	2.7	58	4.3	329.4	4043	2.6	52	3.8	327.7	4057	0	3.0	49	3.7	327.8	4068	5.3	43	3.9	331.1	4107	625
650	5.3	40	3.4	326.0	3724	5.5	35	3.1	325.2	3738	0	5.0	43	3.6	326.3	3749	7.7	36	3.6	329.5	3785	650
675	7.2	48	4.5	327.9	3414	7.4	52	5.0	329.6	3429	0	7.2	45	4.3	327.3	3440	9.9	38	4.3	330.6	3472	675
700	9.3	43	4.5	326.9	3114	9.4	46	4.9	328.3	3128	0	9.4	47	5.0	328.5	3139	11.7	47	5.7	333.5	3169	700
725	11.3	38	4.4	325.6	2822	11.4	41	4.7	326.9	2836	0	11.5	43	5.0	327.7	2847	13.3	42	5.6	331.8	2874	725
750	13.3	50	6.4	330.9	2538	13.3	35	4.5	325.2	2551	0	13.1	42	5.3	327.4	2563	14.3	55	7.5	335.2	2588	750
775	12.5	54	6.3	326.3	2261	14.7	56	7.7	333.0	2275	0	13.8	62	8.0	332.8	2286	15.3	67	9.4	338.8	2310	775
800	12.8	78	9.1	331.7	1995	15.8	78	11.1	341.2	2005	0	14.6	81	10.6	338.1	2018	16.3	78	11.4	342.4	2040	800
825	15.4	93	12.4	341.1	1734	16.6	82	11.9	341.2	1742	0	15.8	78	10.8	337.0	1756	17.6	77	11.9	342.5	1777	825
850	17.1	88	12.9	341.4	1479	17.5	83	12.3	340.4	1487	0	17.1	86	12.5	340.5	1501	19.1	73	12.0	341.5	1520	850
875	18.8	72	11.3	336.2	1231	19.0	70	11.2	336.2	1238	0	18.3	77	11.8	337.1	1252	20.6	73	12.9	343.0	1269	875
900	20.1	69	11.4	335.4	987	20.3	71	11.8	336.7	994	0	20.0	83	13.7	341.5	1009	22.2	73	13.8	344.5	1024	900
925	21.1	76	13.1	338.5	750	21.2	84	14.6	342.7	757	0	21.6	84	14.9	344.0	771	22.6	80	15.0	345.6	785	925
950	22.9	78	14.5	342.0	518	22.4	93	16.9	347.7	524	0	23.2	84	15.9	346.2	539	23.9	85	16.9	349.7	552	950
975	25.0	77	15.9	345.8	290	24.5	87	17.4	349.2	296	0	24.7	83	17.0	348.4	310	25.1	83	17.3	349.8	323	975
1000	27.0	76	17.4	349.8	66	26.5	81	17.9	350.4	73	0	26.2	83	18.1	350.7	87	26.4	80	17.6	349.5	99	1000
SFC.	27.6	76	17.8	351.0	0	27.1	79	18.0	350.7	0	0	26.8	83	18.5	351.7	0	26.9	79	17.7	349.4	0	SFC.
				SURFACE PRESSURE	1007.4				SURFACE PRESSURE	1008.2					SURFACE PRESSURE	1009.8				SURFACE PRESSURE	1011.2	

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA SHIP SURVEYOR

3/15 931 GMT						3/15 1150 GMT					3/15 1439 GMT					3/15 1650 GMT					P
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	-67.1	0	0.0	460.8	19509	-67.0	0	0.0	461.0	19418	-66.7	24	.0	461.7	19493	0.0	0	0.0	0.0	0	60
70	-67.7	20	.0	439.6	18577	-70.6	0	0.0	433.5	18495	-69.3	25	.0	436.3	18567	-66.9	20	.0	441.4	18572	70
80	-76.3	21	.0	405.5	17785	-75.0	0	0.0	408.1	17706	-71.5	25	.0	415.3	17774	-69.8	21	.0	418.8	17770	80
90	-80.9	22	.0	382.7	17117	-80.8	0	0.0	383.0	17038	-79.6	26	.0	385.3	17095	-79.4	21	.0	385.8	17088	90
100	-82.0	22	.0	369.2	16527	-81.3	0	0.0	370.7	16446	-81.5	26	.0	370.3	16500	-80.2	22	.0	372.8	16489	100
110	-80.1	22	.0	363.0	15992	-79.6	0	0.0	363.9	15908	-80.2	26	.0	362.8	15964	-79.4	23	.0	364.4	15950	110
120	-76.2	21	.0	361.2	15495	-77.8	0	0.0	358.3	15412	-77.2	26	.0	359.4	15468	-76.7	23	.0	360.3	15453	120
130	-72.6	21	.0	359.5	15029	-75.3	0	0.0	354.7	14951	-74.2	26	.0	356.5	15005	-73.8	22	.0	357.3	14989	130
140	-69.4	21	.0	357.5	14590	-73.0	0	0.0	351.3	14519	-71.2	25	.0	354.4	14571	-71.1	22	.0	354.6	14554	140
150	-66.5	21	.0	355.6	14175	-70.8	0	0.0	348.1	14113	-68.2	25	.0	352.7	14160	-67.8	22	.0	353.3	14142	150
160	-63.8	20	.0	353.7	13782	-67.6	0	0.0	347.2	13728	-65.0	25	.0	351.6	13769	-64.5	21	.0	352.4	13751	160
170	-61.2	20	.0	351.8	13408	-64.3	0	0.0	346.7	13360	-62.0	24	.0	350.5	13397	-61.4	21	.0	351.5	13378	170
180	-58.8	20	.0	350.1	13052	-61.2	0	0.0	346.1	13008	-59.2	24	.0	349.5	13041	-58.5	20	.0	350.6	13021	180
190	-56.5	20	.0	348.4	12710	-58.3	0	0.0	345.5	12670	-56.6	24	.0	348.4	12700	-55.9	20	.0	349.5	12679	190
200	-54.0	20	.0	347.3	12383	-55.5	0	0.0	344.9	12345	-54.0	23	.0	347.4	12373	-53.4	20	.0	348.3	12351	200
225	-48.1	19	.0	345.0	11617	-49.1	0	0.0	343.3	11583	-48.2	23	.0	344.8	11607	-47.9	19	.0	345.3	11583	225
250	-42.8	18	.1	342.8	10914	-43.4	0	0.0	341.6	10883	-43.1	22	.1	342.4	10905	-43.2	19	.1	342.2	10881	250
275	-37.9	18	.1	340.7	10265	-38.3	18	.1	340.2	10234	-37.7	22	.1	341.2	10256	-38.0	19	.1	340.6	10232	275
300	-33.1	18	.1	339.3	9659	-33.7	18	.1	338.4	9630	-32.5	21	.2	340.3	9649	-33.1	19	.1	339.4	9627	300
325	-28.3	17	.2	338.5	9091	-29.5	17	.2	336.8	9064	-27.8	21	.3	339.4	9080	-28.6	19	.2	338.2	9058	325
350	-23.9	17	.3	337.6	8555	-25.5	17	.2	335.3	8530	-23.4	21	.3	338.5	8542	-24.4	18	.3	337.0	8523	350
375	-19.8	17	.4	336.8	8047	-20.9	17	.3	335.2	8025	-19.4	20	.5	337.7	8033	-20.5	18	.4	335.9	8016	375
400	-16.0	16	.4	336.0	7564	-16.6	17	.4	335.1	7544	-15.5	20	.6	337.0	7550	-16.8	18	.5	334.9	7535	400
425	-12.4	16	.6	335.1	7104	-12.6	16	.5	334.9	7085	-12.2	20	.7	335.9	7089	-13.4	18	.6	334.0	7077	425
450	-10.5	17	.6	332.5	6666	-10.3	17	.7	332.7	6647	-9.9	21	.8	333.9	6650	-11.8	28	1.0	331.9	6640	450
475	-8.6	18	.7	330.1	6249	-8.5	18	.8	330.3	6229	-8.3	20	3.9	340.7	6232	-11.3	78	2.6	332.9	6226	475
500	-5.9	24	1.2	330.0	5849	-6.7	20	.9	328.2	5830	-6.0	29	1.4	330.7	5831	-8.0	90	3.8	335.8	5829	500
525	-4.9	54	2.7	331.7	5466	-5.0	21	1.0	326.1	5448	-4.1	39	2.1	330.7	5448	-5.6	34	1.6	327.3	5448	525
550	-2.7	74	4.2	334.5	5098	-3.7	65	3.4	331.0	5081	-2.6	35	2.0	327.8	5080	-3.3	27	1.5	325.2	5082	550
575	-2.3	90	5.0	333.2	4745	-1.8	85	5.0	333.6	4728	-1.2	48	2.9	328.2	4726	-1.0	39	2.4	326.9	4728	575
600	.7	71	4.8	332.1	4404	.5	73	4.8	332.0	4388	.2	68	4.4	330.4	4386	.3	65	4.2	330.0	4388	600
625	2.9	51	3.9	328.3	4075	2.7	61	4.6	330.1	4059	2.8	66	4.9	331.3	4057	2.4	56	4.0	328.1	4059	625
650	5.0	39	3.3	325.2	3756	4.9	50	4.2	327.7	3740	5.2	49	4.2	328.1	3737	4.4	47	3.8	326.0	3741	650
675	6.8	46	4.2	326.4	3447	6.9	44	4.1	326.2	3430	7.2	46	4.3	327.3	3428	6.3	41	3.6	324.2	3432	675
700	8.4	52	5.2	327.9	3147	8.7	47	4.7	326.9	3130	9.0	49	5.1	328.4	3127	8.1	46	4.4	325.3	3133	700
725	10.1	55	5.9	328.7	2856	10.4	50	5.5	327.8	2839	10.8	53	5.9	329.7	2836	9.5	55	5.6	327.2	2842	725
750	11.9	52	6.1	328.2	2572	12.1	53	6.2	328.8	2556	12.4	60	7.2	332.0	2552	11.0	78	8.6	334.5	2560	750
775	13.1	67	8.2	332.6	2297	13.5	63	8.0	332.3	2280	13.4	81	10.2	338.4	2276	12.5	86	10.2	337.6	2284	775
800	14.2	83	10.7	337.9	2029	14.8	75	9.9	336.3	2011	14.4	88	11.5	340.3	2007	14.0	87	10.9	338.2	2016	800
825	15.4	95	12.8	342.3	1767	16.0	85	11.9	340.5	1750	15.4	95	12.9	342.3	1745	15.3	87	11.6	338.8	1755	825
850	16.9	96	13.9	344.0	1512	17.2	90	13.2	342.5	1494	16.9	88	12.6	340.5	1491	16.7	87	12.3	339.4	1501	850
875	18.4	97	14.9	345.8	1263	18.3	91	14.0	343.1	1245	18.3	80	12.2	338.1	1242	18.0	88	13.1	340.1	1252	875
900	19.7	97	15.7	346.9	1020	19.4	92	14.7	343.7	1002	19.7	84	13.7	341.2	999	19.2	88	13.8	340.9	1009	900
925	21.0	96	16.6	347.9	782	20.5	94	15.5	344.3	765	21.3	89	15.5	345.4	761	20.2	90	14.7	341.7	772	925
950	22.4	96	17.4	349.1	550	21.5	95	16.3	345.1	533	23.0	86	16.2	346.8	529	21.3	93	15.9	343.6	541	950
975	24.4	90	18.1	351.1	322	23.5	92	17.5	348.1	306	24.6	84	17.0	348.2	300	23.4	92	17.3	347.4	314	975
1000	26.0	87	18.8	352.3	98	25.5	89	18.7	351.4	83	25.9	84	17.9	349.8	77	25.5	90	18.7	351.4	91	1000
SFC.	26.3	88	19.1	352.3	0	26.3	88	19.1	352.6	0	26.2	85	18.4	350.4	0	26.3	89	19.3	353.1	0	SFC.
				SURFACE PRESSURE	1011.1				SURFACE PRESSURE	1009.4				SURFACE PRESSURE	1008.7				SURFACE PRESSURE	1010.3	

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA SHIP SURVEYOR

3/15 1918 GMT							3/15 23 0 GMT				3/16 237 GMT					3/16 619 GMT							
P	T	RH	W	EPT	H		T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	0.0	0	0.0	0.0	0		-66.7	0	0.0	461.6	19640	0.0	0	0.0	0.0	0	-67.8	0	0.0	459.2	19506	60	
70	0.0	0	0.0	0.0	0		-66.9	0	0.0	441.4	18711	0.0	0	0.0	0.0	0	-69.6	29	.0	435.7	18584	70	
80	0.0	0	0.0	0.0	0		-69.2	0	0.0	420.0	17904	0.0	0	0.0	0.0	0	-68.0	30	.0	422.5	17784	80	
90	0.0	0	0.0	0.0	0		-79.7	0	0.0	385.2	17230	0.0	0	0.0	0.0	0	-75.0	30	.0	394.6	17084	90	
100	0.0	0	0.0	0.0	0		-79.4	0	0.0	374.4	16632	0.0	0	0.0	0.0	0	-81.4	30	.0	370.4	16490	100	
110	0.0	0	0.0	0.0	0		-77.2	0	0.0	368.4	16089	0.0	0	0.0	0.0	0	-79.5	30	.0	364.1	15953	110	
120	0.0	0	0.0	0.0	0		-74.4	0	0.0	364.4	15587	0.0	0	0.0	0.0	0	-77.2	30	.0	359.3	15456	120	
130	-73.0	17	.0	358.7	15089		-71.9	0	0.0	360.8	15118	0.0	0	0.0	0.0	0	-75.1	30	.0	355.0	14994	130	
140	-69.7	17	.0	357.1	14651		-69.5	0	0.0	357.4	14678	0.0	0	0.0	0.0	0	-72.1	30	.0	352.9	14561	140	
150	-66.6	17	.0	355.4	14236		-67.3	0	0.0	354.2	14265	0.0	0	0.0	0.0	0	-69.2	30	.0	351.0	14152	150	
160	-63.7	17	.0	353.9	13843		-63.9	0	0.0	353.5	13872	0.0	0	0.0	0.0	0	-66.1	30	.0	349.7	13764	160	
170	-60.2	17	.0	353.6	13468		-60.6	0	0.0	352.8	13498	0.0	0	0.0	0.0	0	-62.9	30	.0	349.1	13394	170	
180	-56.9	17	.0	353.3	13109		-57.6	0	0.0	352.1	13139	0.0	0	0.0	0.0	0	-59.8	30	.0	348.5	13039	180	
190	-54.7	17	.0	351.3	12765		-54.7	0	0.0	351.3	12796	0.0	0	0.0	0.0	0	-56.9	30	.0	347.8	12699	190	
200	-52.7	16	.0	349.5	12435		-51.9	0	0.0	350.6	12466	0.0	0	0.0	0.0	0	-54.2	30	.0	347.2	12372	200	
225	-46.8	16	.0	347.0	11665		-45.6	0	0.0	348.6	11692	0.0	0	0.0	0.0	0	-48.0	34	.1	345.2	11606	225	
250	-41.2	15	.1	345.1	10958		-40.0	19	.1	347.0	10981	0.0	0	0.0	0.0	0	-43.2	50	.2	342.6	10904	250	
275	-36.2	15	.1	343.2	10303		-34.8	18	.1	345.3	10323	0.0	0	0.0	0.0	0	-37.8	54	.3	341.6	10255	275	
300	-31.6	15	.1	341.5	9694		-30.1	17	.2	343.7	9710	0.0	0	0.0	0.0	0	-33.5	61	.5	340.0	9649	300	
325	-27.1	15	.2	340.1	9122		-25.8	17	.2	342.1	9135	0.0	0	0.0	0.0	0	-28.8	17	.2	337.7	9082	325	
350	-23.1	14	.2	338.7	8584		-21.8	16	.3	340.6	8593	0.0	0	0.0	0.0	0	-24.7	16	.2	336.5	8547	350	
375	-19.3	14	.3	337.4	8075		-18.1	15	.4	339.2	8082	0.0	0	0.0	0.0	0	-20.8	15	.3	335.3	8041	375	
400	-15.7	14	.4	336.1	7591		-14.6	15	.5	337.8	7596	0.0	0	0.0	0.0	0	-17.2	15	.4	334.1	7560	400	
425	-12.4	13	.5	334.8	7131		-11.3	14	.5	336.5	7134	0.0	0	0.0	0.0	0	-13.8	14	.4	333.0	7103	425	
450	-10.1	33	1.3	335.3	6692		-10.3	42	1.6	336.1	6694	0.0	0	0.0	0.0	0	-12.0	35	1.2	332.4	6667	450	
475	-8.8	65	2.7	336.3	6274		-7.3	35	1.6	334.7	6276	-8.6	27	1.1	331.4	6238	-9.6	41	1.6	331.7	6251	475	
500	-6.5	50	2.4	333.2	5875		-4.5	29	1.6	333.1	5874	-5.8	23	1.1	330.0	5838	-6.5	44	2.1	332.2	5853	500	
525	-3.5	22	1.2	328.6	5491		-1.8	23	1.4	331.3	5488	-3.1	35	2.0	331.7	5454	-3.9	37	2.0	330.6	5469	525	
550	-1.3	22	1.4	327.3	5122		.6	19	1.4	329.6	5116	-1.2	18	1.2	326.8	5084	-1.5	30	1.9	328.8	5100	550	
575	.8	21	1.5	326.0	4767		2.3	24	1.8	329.1	4758	.3	21	1.4	325.3	4729	-.1	34	2.2	327.5	4745	575	
600	2.5	32	2.4	327.0	4424		3.9	36	3.0	330.5	4413	1.7	33	2.4	326.0	4387	1.0	50	3.4	328.4	4404	600	
625	3.9	48	3.9	329.5	4093		5.5	35	3.1	329.0	4081	3.9	30	2.4	324.8	4056	2.8	49	3.7	327.5	4074	625	
650	5.6	47	4.1	328.5	3773		7.4	23	2.3	325.0	3759	6.1	25	2.3	323.3	3737	5.2	41	3.5	326.1	3755	650	
675	7.5	54	5.2	330.6	3463		9.2	27	2.9	325.4	3448	8.2	21	2.1	321.6	3426	7.5	46	4.4	328.0	3446	675	
700	9.8	44	4.8	328.4	3162		11.0	30	3.5	326.0	3145	9.6	31	3.4	323.9	3126	9.5	43	4.6	327.5	3145	700	
725	11.5	51	5.9	330.4	2869		12.0	40	4.9	328.0	2852	11.5	32	3.8	324.2	2833	11.0	54	6.2	330.6	2853	725	
750	13.0	58	7.2	332.9	2585		12.8	52	6.4	330.1	2568	13.1	37	4.6	325.2	2549	12.6	64	7.8	334.0	2568	750	
775	14.3	66	8.8	335.8	2308		15.3	39	5.6	327.5	2291	14.5	36	4.8	324.3	2273	14.3	59	7.8	332.9	2292	775	
800	15.5	73	10.1	337.7	2038		16.2	50	7.3	330.5	2021	15.8	38	5.4	324.6	2004	15.2	58	7.9	331.3	2023	800	
825	16.6	78	11.3	339.5	1776		17.0	62	9.1	333.7	1759	16.7	36	5.2	322.4	1742	15.8	75	10.4	335.8	1761	825	
850	17.9	78	12.0	340.0	1520		17.7	73	11.0	336.9	1503	17.9	52	7.9	328.5	1488	17.1	81	11.7	338.3	1506	850	
875	19.1	79	12.7	340.5	1271		19.3	71	11.5	337.6	1254	19.0	52	8.2	327.7	1239	18.4	85	13.2	341.0	1258	875	
900	20.3	79	13.4	341.0	1028		20.9	68	11.9	337.8	1010	20.1	51	8.4	327.0	996	20.1	87	14.5	344.0	1014	900	
925	21.5	80	14.0	341.6	790		22.5	66	12.3	337.9	772	21.5	51	9.0	327.8	759	21.9	88	15.9	347.2	776	925	
950	22.7	80	14.7	342.3	557		24.0	63	12.6	338.0	539	23.0	52	9.8	329.0	527	22.0	94	16.7	346.8	544	950	
975	24.6	75	15.0	342.8	329		25.5	60	12.8	338.0	310	24.5	53	10.5	330.3	300	24.1	87	17.1	347.9	316	975	
1000	26.3	74	16.2	345.7	106		26.9	71	16.1	345.1	87	26.4	66	14.4	340.8	77	26.1	79	17.2	348.2	93	1000	
SFC.	27.1	79	17.9	350.1	0		27.3	80	18.4	352.0	0	27.3	80	18.4	352.1	0	26.9	81	18.2	350.7	0	SFC.	
				SURFACE PRESSURE	1012.0					SURFACE PRESSURE	1009.8				SURFACE PRESSURE	1008.7					SURFACE PRESSURE	1010.5	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

3/16 935 GMT					3/16 1146 GMT					3/16 1525 GMT					3/16 1835 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	60	
70	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	70	
80	0.0	0	0.0	0.0	0	-74.7	0	0.0	408.7	17743	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	80	
90	0.0	0	0.0	0.0	0	-80.0	0	0.0	384.6	17067	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	90	
100	0.0	0	0.0	0.0	0	-81.0	0	0.0	371.2	16472	-80.2	17	.0	372.8	16510	0.0	0	0.0	0.0	0	100	
110	0.0	0	0.0	0.0	0	-79.3	0	0.0	364.4	15933	-80.0	18	.0	363.1	15971	0.0	0	0.0	0.0	0	110	
120	0.0	0	0.0	0.0	0	-77.8	0	0.0	358.3	15438	-76.8	18	.0	360.1	15475	0.0	0	0.0	0.0	0	120	
130	0.0	0	0.0	0.0	0	-74.3	0	0.0	356.5	14976	-73.5	18	.0	357.9	15011	0.0	0	0.0	0.0	0	130	
140	0.0	0	0.0	0.0	0	-71.0	0	0.0	354.7	14540	-70.4	17	.0	355.7	14574	0.0	0	0.0	0.0	0	140	
150	0.0	0	0.0	0.0	0	-68.0	0	0.0	353.0	14129	-67.7	16	.0	353.5	14162	0.0	0	0.0	0.0	0	150	
160	0.0	0	0.0	0.0	0	-65.2	0	0.0	351.3	13739	-65.1	16	.0	351.4	13771	0.0	0	0.0	0.0	0	160	
170	0.0	0	0.0	0.0	0	-62.3	0	0.0	350.0	13367	-62.4	15	.0	349.9	13400	0.0	0	0.0	0.0	0	170	
180	0.0	0	0.0	0.0	0	-59.4	0	0.0	349.0	13011	-59.2	16	.0	349.4	13044	0.0	0	0.0	0.0	0	180	
190	0.0	0	0.0	0.0	0	-56.7	0	0.0	348.0	12671	-56.2	16	.0	348.9	12703	0.0	0	0.0	0.0	0	190	
200	0.0	0	0.0	0.0	0	-54.1	0	0.0	347.1	12344	-53.4	16	.0	348.4	12375	0.0	0	0.0	0.0	0	200	
225	-47.2	20	.0	346.4	11619	-48.2	0	0.0	344.6	11578	-47.2	17	.0	346.3	11606	0.0	0	0.0	0.0	0	225	
250	-42.1	27	.1	343.9	10914	-42.9	0	0.0	342.3	10876	-42.4	16	.1	343.4	10902	0.0	0	0.0	0.0	0	250	
275	-37.1	45	.3	342.5	10263	-38.1	26	.1	340.6	10227	-37.0	16	.1	342.0	10250	0.0	0	0.0	0.0	0	275	
300	-33.1	52	.4	340.3	9656	-33.7	48	.4	339.3	9622	-32.1	15	.1	340.7	9642	0.0	0	0.0	0.0	0	300	
325	-28.7	16	.2	337.8	9088	-29.7	14	.1	336.3	9056	-28.6	25	.3	338.4	9073	0.0	0	0.0	0.0	0	325	
350	-24.8	15	.2	336.2	8553	-25.8	14	.2	334.7	8524	-24.8	15	.2	336.2	8538	0.0	0	0.0	0.0	0	350	
375	-21.2	14	.3	334.6	8048	-22.2	13	.2	333.1	8020	-21.9	15	.3	333.6	8033	0.0	0	0.0	0.0	0	375	
400	-17.8	13	.3	333.1	7568	-18.8	13	.3	331.7	7543	-17.9	14	.3	333.0	7554	0.0	0	0.0	0.0	0	400	
425	-14.5	15	.4	332.0	7112	-14.7	15	.4	331.8	7087	-14.1	17	.5	332.8	7098	0.0	0	0.0	0.0	0	425	
450	-11.7	22	.8	331.4	6676	-11.4	19	.7	331.5	6651	-11.4	23	.8	331.9	6662	0.0	0	0.0	0.0	0	450	
475	-9.6	34	1.3	330.8	6260	-9.4	27	1.1	330.1	6235	-9.2	36	1.4	331.6	6245	0.0	0	0.0	0.0	0	475	
500	-6.9	28	1.3	329.1	5862	-7.2	29	1.3	328.7	5837	-6.7	31	1.4	329.9	5846	0.0	0	0.0	0.0	0	500	
525	-4.4	22	1.1	327.2	5480	-4.9	27	1.3	327.2	5455	-4.5	28	1.5	328.1	5464	0.0	0	0.0	0.0	0	525	
550	-2.2	24	1.4	326.4	5112	-2.7	25	1.4	325.8	5088	-2.1	38	2.3	329.3	5096	0.0	0	0.0	0.0	0	550	
575	-1.3	72	4.4	332.6	4758	-.6	30	1.9	325.8	4734	-1.3	88	5.3	335.5	4742	0.0	0	0.0	0.0	0	575	
600	1.2	31	2.1	324.7	4417	1.0	64	4.4	331.4	4393	1.2	79	5.5	335.0	4400	0.0	0	0.0	0.0	0	600	
625	3.1	34	2.6	324.5	4087	2.9	38	2.9	325.1	4063	3.3	48	3.7	328.2	4070	0.0	0	0.0	0.0	0	625	
650	5.4	29	2.5	323.3	3768	4.7	30	2.5	322.4	3745	5.4	29	2.5	323.3	3751	0.0	0	0.0	0.0	0	650	
675	7.3	42	4.0	326.7	3459	6.1	49	4.3	326.0	3436	6.7	57	5.2	329.5	3441	6.6	39	3.5	324.2	3451	675	
700	9.1	44	4.5	326.9	3158	7.6	65	6.1	329.6	3137	7.9	70	6.7	331.7	3141	7.8	57	5.4	327.9	3151	700	
725	10.4	55	6.0	329.5	2867	9.2	72	7.3	331.6	2846	9.4	92	9.4	338.1	2850	9.9	62	6.5	330.2	2860	725	
750	11.6	68	7.8	332.7	2583	10.8	79	8.5	333.8	2564	11.4	89	10.1	339.0	2567	11.5	63	7.2	331.0	2577	750	
775	12.8	80	9.6	336.2	2308	12.3	85	9.9	336.3	2289	13.3	86	10.7	339.9	2291	12.6	65	7.6	330.3	2302	775	
800	13.9	91	11.5	339.8	2040	13.8	91	11.3	339.1	2021	15.1	83	11.3	340.7	2022	13.6	80	9.8	334.7	2035	800	
825	15.5	94	12.7	341.9	1778	15.2	97	12.9	342.0	1760	16.6	84	12.2	341.9	1760	15.0	85	11.1	336.7	1774	825	
850	17.1	93	13.5	343.2	1523	16.2	96	13.3	341.5	1505	17.8	86	13.2	343.2	1504	16.5	83	11.6	337.1	1520	850	
875	18.7	91	14.3	344.5	1274	17.6	96	14.1	342.4	1257	19.0	89	14.2	344.7	1255	18.1	81	12.1	337.6	1271	875	
900	20.3	90	15.1	345.8	1030	19.1	96	15.1	344.2	1015	20.2	92	15.3	346.3	1011	19.5	79	12.6	338.0	1029	900	
925	21.8	88	15.9	347.2	792	20.6	96	16.1	346.1	777	21.3	94	16.4	347.9	773	21.1	77	13.2	339.0	792	925	
950	23.3	87	16.7	348.5	559	22.1	96	17.1	348.1	545	22.4	97	17.6	349.7	540	23.1	79	15.0	343.7	559	950	
975	24.7	86	17.5	349.9	330	23.6	95	18.1	349.9	317	24.0	93	18.1	350.4	312	24.4	84	16.8	347.5	331	975	
1000	26.1	85	18.3	351.3	107	25.5	88	18.4	350.4	94	25.6	87	18.4	350.6	89	25.6	89	18.7	351.5	107	1000	
SFC.	26.8	84	18.7	351.9	0	26.3	85	18.4	350.6	0	26.3	85	18.4	350.7	0	26.2	91	19.6	353.5	0	SFC.	
				SURFACE PRESSURE	1012.1				SURFACE PRESSURE	1010.7				SURFACE PRESSURE	1010.1				SURFACE PRESSURE	1012.2		



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

3/16 2139 GMT						3/16 2325 GMT					3/17 3 9 GMT					3/17 645 GMT					P
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	0.0	0	0.0	0.0	0	-67.4	0	0.0	460.1	19578	-64.8	0	0.0	466.0	19517	-66.2	0	0.0	462.6	19536	60
70	0.0	0	0.0	0.0	0	-71.6	0	0.0	431.2	18662	-70.9	24	.0	432.9	18594	-72.3	22	.0	429.7	18615	70
80	0.0	0	0.0	0.0	0	-70.3	0	0.0	417.8	17871	-71.4	24	.0	415.4	17802	-71.5	22	.0	415.3	17829	80
90	0.0	0	0.0	0.0	0	-76.8	0	0.0	391.0	17178	-77.6	24	.0	389.4	17117	-79.7	23	.0	385.3	17145	90
100	0.0	0	0.0	0.0	0	-77.7	0	0.0	377.6	16575	-78.7	25	.0	375.7	16516	-79.5	24	.0	374.2	16547	100
110	-78.1	42	.0	366.7	16032	-76.6	0	0.0	369.5	16028	-77.7	24	.0	367.5	15973	-77.0	23	.0	368.8	16003	110
120	-75.1	42	.0	363.2	15531	-75.6	0	0.0	362.3	15526	-74.9	25	.0	363.5	15472	-74.7	23	.0	364.0	15501	120
130	-72.4	42	.0	359.8	15064	-73.5	0	0.0	357.8	15061	-72.4	25	.0	359.9	15004	-72.6	23	.0	359.5	15033	130
140	-69.9	42	.0	356.7	14625	-70.5	0	0.0	355.5	14625	-69.6	25	.0	357.2	14565	-70.6	22	.0	355.4	14595	140
150	-66.8	42	.0	355.1	14211	-67.8	0	0.0	353.4	14212	-67.0	25	.0	354.8	14152	-68.2	22	.0	352.7	14184	150
160	-63.7	43	.0	353.9	13818	-64.5	0	0.0	352.3	13821	-64.5	25	.0	352.5	13760	-64.9	21	.0	351.7	13794	160
170	-60.8	44	.0	352.7	13444	-61.5	0	0.0	351.4	13448	-62.2	25	.0	350.3	13387	-61.9	20	.0	350.7	13421	170
180	-58.0	44	.0	351.5	13086	-58.5	0	0.0	350.5	13091	-59.8	25	.0	348.5	13032	-59.0	20	.0	349.8	13065	180
190	-55.4	44	.0	350.3	12744	-55.8	0	0.0	349.5	12749	-57.0	26	.0	347.7	12692	-56.1	20	.0	349.1	12724	190
200	-53.0	45	.1	349.2	12415	-53.2	0	0.0	348.6	12421	-54.4	27	.0	346.8	12365	-53.4	20	.0	348.3	12396	200
225	-47.3	46	.1	346.4	11645	-47.2	0	0.0	346.2	11652	-48.3	28	.1	344.8	11600	-47.2	19	.0	346.4	11627	225
250	-41.0	47	.2	346.0	10939	-41.8	0	0.0	343.9	10946	-42.8	30	.1	342.9	10898	-42.4	20	.1	343.3	10922	250
275	-35.5	49	.3	345.1	10283	-36.4	35	.2	343.4	10293	-37.5	47	.3	341.9	10247	-38.5	41	.2	340.3	10273	275
300	-31.2	51	.5	343.4	9672	-31.2	31	.3	342.7	9683	-33.0	54	.4	340.6	9641	-32.9	19	.1	339.6	9668	300
325	-27.1	51	.7	341.8	9100	-26.4	24	.3	341.7	9110	-28.4	70	.8	340.5	9073	-28.2	17	.2	338.6	9099	325
350	-23.4	48	.8	340.2	8562	-22.2	25	.5	340.7	8570	-24.0	74	1.2	340.6	8536	-24.5	16	.2	336.7	8563	350
375	-19.9	46	1.0	338.8	8053	-19.2	26	.6	338.4	8059	-21.0	55	1.0	337.6	8030	-21.2	39	.7	336.2	8057	375
400	-16.7	43	1.1	337.4	7571	-16.4	26	.7	336.3	7577	-17.8	27	.6	334.2	7551	-17.5	15	.4	333.7	7578	400
425	-14.1	41	1.2	335.3	7114	-13.0	30	1.0	335.8	7118	-14.2	18	.5	332.9	7094	-14.0	14	.4	332.7	7121	425
450	-10.4	18	.7	332.8	6677	-10.1	M	M	M	6679	-11.2	22	.8	332.1	6658	-10.7	14	.5	331.8	6684	450
475	-9.1	54	2.2	334.2	6260	-7.7	M	M	M	6261	-8.5	30	1.3	331.9	6240	-8.6	47	2.0	334.1	6267	475
500	-6.8	58	2.7	333.7	5861	-5.3	M	M	M	5860	-5.7	32	1.6	331.7	5840	-6.0	18	.9	328.9	5867	500
525	-4.7	62	3.2	333.4	5478	-3.1	M	M	M	5476	-3.3	19	1.1	328.3	5456	-4.7	58	3.0	332.6	5484	525
550	-2.6	65	3.8	333.3	5110	-1.1	M	M	M	5116	-1.7	24	1.5	327.2	5087	-2.7	42	2.4	328.9	5116	550
575	-.6	69	4.4	333.4	4756	.1	M	M	M	4751	-.6	37	2.4	327.2	4732	-1.2	62	3.8	330.9	4762	575
600	1.8	77	5.6	336.0	4414	2.3	M	M	M	4419	.7	36	2.4	324.8	4391	.7	33	2.2	324.3	4422	600
625	2.4	76	5.5	332.5	4084	4.5	M	M	M	4079	3.0	30	2.3	323.3	4062	3.2	26	2.0	322.9	4092	625
650	5.0	68	5.8	332.7	3764	6.5	M	M	M	3759	5.2	28	2.3	322.6	3743	5.5	28	2.4	323.1	3773	650
675	6.3	75	6.7	333.3	3455	8.2	M	M	M	3449	7.3	25	2.4	321.8	3434	7.0	43	4.0	326.2	3464	675
700	7.6	81	7.6	334.0	3155	9.8	M	M	M	3148	9.0	49	5.1	328.5	3134	8.6	53	5.3	328.6	3164	700
725	9.3	86	8.7	336.0	2865	11.3	M	M	M	2857	10.3	60	6.5	330.7	2842	10.4	51	5.5	328.0	2872	725
750	11.1	85	9.5	336.9	2582	12.8	M	M	M	2573	11.3	68	7.6	332.0	2559	12.4	54	6.5	330.0	2589	750
775	12.9	84	10.2	337.9	2306	14.0	M	M	M	2298	12.9	70	8.5	333.2	2283	14.7	44	5.9	327.7	2312	775
800	14.6	83	10.9	338.9	2038	15.2	M	M	M	2030	14.5	72	9.4	334.6	2015	15.7	48	6.8	328.6	2043	800
825	16.2	82	11.7	339.9	1776	16.3	M	M	M	1769	15.7	77	10.5	336.1	1754	16.5	65	9.4	333.9	1781	825
850	17.7	81	12.1	340.1	1521	17.4	M	M	M	1514	16.6	83	11.7	337.6	1499	17.3	81	11.9	339.0	1526	850
875	18.9	77	12.2	339.0	1272	18.6	93	14.5	344.9	1265	17.6	89	12.9	339.2	1251	18.8	84	13.2	341.4	1277	875
900	20.1	74	12.3	337.8	1028	20.2	93	15.6	347.1	1022	19.1	90	14.1	341.4	1009	20.1	87	14.5	344.0	1033	900
925	21.1	86	14.8	343.2	791	21.8	93	16.7	349.4	783	20.5	92	15.3	343.8	771	21.3	89	15.6	345.7	795	925
950	22.2	95	17.2	348.4	558	23.4	92	17.7	351.2	550	22.1	92	16.5	346.3	539	22.2	90	16.2	345.7	563	950
975	23.9	91	17.7	349.3	331	25.0	89	18.4	352.6	321	24.4	88	17.6	349.6	311	23.1	91	16.8	345.7	336	975
1000	25.5	87	18.2	350.0	107	26.5	86	19.1	354.0	97	26.7	83	18.6	352.7	88	25.8	84	17.9	349.7	113	1000
SFC.	26.3	85	18.4	350.3	0	27.2	85	19.5	354.6	0	27.6	81	19.0	353.9	0	27.2	81	18.5	351.7	0	SFC.
				SURFACE PRESSURE	1012.2				SURFACE PRESSURE	1011.0				SURFACE PRESSURE	1009.9				SURFACE PRESSURE	1012.8	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

3/17 9 2 GMT					3/17 1217 GMT					3/17 18 6 GMT					3/17 2315 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P						
60	-64.4	0	0.0	466.9	19555	-64.2	0	0.0	467.2	19553	-65.7	0	0.0	463.9	19549	0.0	0	0.0	0.0	0	60	
70	-70.9	0	0.0	432.7	18619	-70.1	0	0.0	434.4	18620	-69.8	0	0.0	435.1	18625	0.0	0	0.0	0.0	0	70	
80	-72.3	25	.0	413.6	17839	-70.9	0	0.0	416.5	17832	-69.8	18	.0	418.8	17829	0.0	0	0.0	0.0	0	80	
90	-80.1	25	.0	384.4	17153	-78.7	0	0.0	387.2	17142	-74.6	18	.0	395.4	17132	0.0	0	0.0	0.0	0	90	
100	-80.0	25	.0	373.2	16558	-81.0	0	0.0	371.2	16546	-79.1	19	.0	374.8	16534	0.0	0	0.0	0.0	0	100	
110	-77.7	25	.0	367.5	16015	-77.9	0	0.0	367.1	16005	-77.6	18	.0	367.7	15990	0.0	0	0.0	0.0	0	110	
120	-75.1	25	.0	363.2	15514	-75.1	0	0.0	363.2	15504	-75.1	17	.0	363.2	15489	0.0	0	0.0	0.0	0	120	
130	-72.5	25	.0	359.7	15047	-72.5	0	0.0	359.7	15037	-72.8	17	.0	359.1	15022	0.0	0	0.0	0.0	0	130	
140	-70.6	25	.0	355.5	14609	-70.1	0	0.0	356.4	14599	-70.7	16	.0	355.3	14585	0.0	0	0.0	0.0	0	140	
150	-69.0	25	.0	351.3	14198	-67.8	0	0.0	353.3	14186	-68.1	16	.0	352.7	14174	0.0	0	0.0	0.0	0	150	
160	-65.7	24	.0	350.5	13809	-64.9	0	0.0	351.8	13795	-64.5	16	.0	352.5	13783	0.0	0	0.0	0.0	0	160	
170	-62.6	24	.0	349.5	13438	-61.9	0	0.0	350.6	13423	-61.2	16	.0	351.8	13409	0.0	0	0.0	0.0	0	170	
180	-59.7	23	.0	348.6	13084	-59.1	0	0.0	349.5	13067	-58.3	16	.0	351.0	13052	0.0	0	0.0	0.0	0	180	
190	-57.0	23	.0	347.7	12743	-56.5	0	0.0	348.4	12726	-55.5	16	.0	350.1	12710	0.0	0	0.0	0.0	0	190	
200	-54.4	22	.0	346.8	12417	-54.0	0	0.0	347.3	12399	-52.8	16	.0	349.2	12381	0.0	0	0.0	0.0	0	200	
225	-48.0	22	.0	345.2	11651	-47.9	0	0.0	345.2	11632	-46.8	15	.0	347.0	11610	0.0	0	0.0	0.0	0	225	
250	-42.1	22	.1	343.8	10948	-42.1	0	0.0	343.4	10928	-41.3	15	.1	344.9	10903	0.0	0	0.0	0.0	0	250	
275	-37.4	21	.1	341.5	10296	-37.0	16	.1	342.0	10276	-37.1	15	.1	341.9	10251	0.0	0	0.0	0.0	0	275	
300	-33.1	19	.2	339.4	9690	-32.4	16	.1	340.3	9669	-34.0	20	.1	338.0	9644	0.0	0	0.0	0.0	0	300	
325	-28.1	18	.2	338.7	9121	-28.1	16	.2	338.7	9099	-29.3	18	.2	337.1	9079	0.0	0	0.0	0.0	0	325	
350	-24.4	17	.3	336.9	8586	-24.2	16	.2	337.2	8563	-25.4	18	.3	335.6	8546	0.0	0	0.0	0.0	0	350	
375	-20.5	17	.3	335.8	8079	-20.5	16	.3	335.7	8056	-21.7	18	.3	334.2	8041	0.0	0	0.0	0.0	0	375	
400	-17.5	24	.6	334.5	7599	-17.1	16	.4	334.4	7575	-18.7	19	.4	332.2	7563	0.0	0	0.0	0.0	0	400	
425	-13.9	18	.6	333.2	7141	-13.8	16	.5	333.1	7118	-15.9	24	.6	331.0	7109	0.0	0	0.0	0.0	0	425	
450	-10.8	18	.7	332.2	6705	-10.8	16	.6	331.9	6681	-12.9	37	1.2	331.1	6675	0.0	0	0.0	0.0	0	450	
475	-9.6	53	2.1	333.2	6288	-8.6	35	1.5	332.5	6263	-10.3	30	1.1	329.1	6261	0.0	0	0.0	0.0	0	475	
500	-6.5	34	1.6	330.7	5889	-6.4	32	1.5	330.7	5864	-7.6	22	.9	327.2	5864	0.0	0	0.0	0.0	0	500	
525	-3.9	40	2.2	331.1	5506	-4.1	30	1.6	329.0	5481	-4.9	19	.9	325.9	5482	0.0	0	0.0	0.0	0	525	
550	-2.2	30	1.8	327.5	5137	-2.0	27	1.6	327.3	5113	-3.0	31	1.7	326.4	5115	0.0	0	0.0	0.0	0	550	
575	-.5	35	2.2	326.9	4783	-.0	25	1.7	325.6	4758	-.9	19	1.2	323.1	4762	0.0	0	0.0	0.0	0	575	
600	1.4	31	2.2	325.0	4442	1.9	23	1.7	324.0	4416	.4	35	2.3	324.1	4421	0.0	0	0.0	0.0	0	600	
625	3.7	32	2.5	325.0	4111	3.7	21	1.7	322.3	4086	2.9	26	2.0	322.4	4092	0.0	0	0.0	0.0	0	625	
650	5.8	33	2.9	325.2	3792	5.5	22	1.9	321.4	3766	4.8	29	2.4	322.3	3774	0.0	0	0.0	0.0	0	650	
675	7.8	38	3.8	326.5	3482	6.8	44	4.0	326.1	3457	6.7	31	2.8	322.2	3465	0.0	0	0.0	0.0	0	675	
700	9.7	48	5.1	329.3	3181	8.7	51	5.1	328.1	3157	8.5	33	3.3	322.4	3165	0.0	0	0.0	0.0	0	700	
725	11.9	47	5.6	330.2	2888	10.8	50	5.7	328.9	2866	10.1	42	4.5	324.7	2875	0.0	0	0.0	0.0	0	725	
750	14.0	46	6.2	331.0	2603	12.9	50	6.2	329.8	2582	11.5	52	6.0	327.4	2592	0.0	0	0.0	0.0	0	750	
775	15.5	41	5.8	328.4	2325	13.3	78	9.6	336.9	2305	12.6	64	7.6	330.2	2317	0.0	0	0.0	0.0	0	775	
800	16.8	35	5.3	325.4	2056	14.3	91	11.7	340.9	2037	14.1	67	8.5	331.5	2049	0.0	0	0.0	0.0	0	800	
825	18.0	32	5.0	323.1	1793	15.8	92	12.7	342.3	1775	15.6	69	9.4	332.9	1788	0.0	0	0.0	0.0	0	825	
850	18.0	78	11.9	340.0	1537	17.3	92	13.6	343.9	1520	17.1	71	10.4	334.5	1533	0.0	0	0.0	0.0	0	850	
875	19.3	85	13.9	344.2	1287	18.8	93	14.6	345.5	1270	18.5	74	11.4	336.2	1285	0.0	0	0.0	0.0	0	875	
900	20.8	88	15.3	347.0	1043	20.2	93	15.6	347.2	1027	19.9	76	12.4	338.0	1042	0.0	0	0.0	0.0	0	900	
925	22.2	91	16.7	349.8	805	21.6	93	16.7	349.0	789	21.3	78	13.5	340.0	804	21.3	62	10.7	332.1	784	925	
950	23.1	95	18.1	352.0	571	23.0	94	17.7	350.8	555	22.6	80	14.7	342.0	571	22.7	71	13.2	338.1	551	950	
975	24.7	91	18.5	352.4	343	24.5	91	18.5	352.2	327	24.4	82	16.3	345.9	344	23.9	79	15.3	342.8	324	975	
1000	26.2	86	18.8	352.6	119	26.2	87	19.0	353.2	103	26.5	82	18.3	351.7	120	26.2	82	17.8	349.8	101	1000	
SFC.	27.0	84	18.9	352.6	0	27.0	85	19.2	353.5	0	27.7	83	19.5	355.1	0	27.2	83	19.0	353.2	0	SFC.	
				SURFACE PRESSURE	1013.5				SURFACE PRESSURE	1011.7				SURFACE PRESSURE	1013.6				SURFACE PRESSURE	1011.4		



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

3/18 2129 GMT					3/19 029 GMT					3/19 345 GMT					3/19 625 GMT					P		
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-62.5	0	0.0	471.0	19573	-63.1	0	0.0	469.6	19538	-66.6	0	0.0	461.9	19495	0.0	0	0.0	0.0	0	60	
70	-71.3	21	.0	431.9	18636	-68.2	0	0.0	438.5	18598	-70.2	0	0.0	434.2	18571	0.0	0	0.0	0.0	0	70	
80	-73.7	21	.0	410.7	17852	-73.5	0	0.0	411.2	17808	-73.3	0	0.0	411.5	17783	0.0	0	0.0	0.0	0	80	
90	-75.9	22	.0	392.8	17167	-76.7	0	0.0	391.2	17125	-78.8	0	0.0	386.9	17101	0.0	0	0.0	0.0	0	90	
100	-77.8	22	.0	377.4	16562	-78.4	0	0.0	376.3	16525	-78.8	18	.0	375.6	16504	0.0	0	0.0	0.0	0	100	
110	-77.1	21	.0	368.6	16015	-76.3	0	0.0	370.1	15978	-77.1	19	.0	368.6	15959	0.0	0	0.0	0.0	0	110	
120	-76.0	21	.0	361.6	15515	-74.4	0	0.0	364.6	15474	-75.6	20	.0	362.3	15457	0.0	0	0.0	0.0	0	120	
130	-73.2	21	.0	358.5	15050	-72.6	0	0.0	359.5	15006	-72.9	20	.0	358.9	14991	0.0	0	0.0	0.0	0	130	
140	-70.5	21	.0	355.6	14613	-70.9	0	0.0	354.9	14569	-70.2	20	.0	356.2	14554	0.0	0	0.0	0.0	0	140	
150	-68.1	21	.0	352.9	14201	-68.7	0	0.0	351.8	14158	-67.6	20	.0	353.7	14141	0.0	0	0.0	0.0	0	150	
160	-65.7	21	.0	350.5	13811	-65.5	0	0.0	350.7	13769	-65.2	20	.0	351.3	13750	0.0	0	0.0	0.0	0	160	
170	-62.6	21	.0	349.5	13440	-62.6	0	0.0	349.6	13398	-62.5	20	.0	349.8	13379	-62.7	19	.0	349.4	13407	170	
180	-59.7	21	.0	348.6	13085	-59.8	0	0.0	348.5	13043	-59.9	20	.0	348.3	13024	-60.1	19	.0	348.1	13052	180	
190	-57.0	20	.0	347.7	12745	-57.1	0	0.0	347.4	12703	-57.4	19	.0	346.9	12684	-57.6	18	.0	346.8	12713	190	
200	-54.4	20	.0	346.7	12418	-54.6	0	0.0	346.3	12377	-55.1	19	.0	345.6	12359	-55.2	18	.0	345.5	12387	200	
225	-48.3	20	.0	344.7	11654	-48.4	0	0.0	344.4	11612	-49.1	19	.0	343.5	11597	-49.0	18	.0	343.5	11625	225	
250	-42.1	20	.1	343.7	10950	-42.7	0	0.0	342.6	10910	-43.0	19	.1	342.4	10896	-43.0	18	.1	342.3	10925	250	
275	-36.6	19	.1	342.7	10298	-37.4	20	.1	341.5	10259	-37.5	20	.1	341.3	10246	-37.6	17	.1	341.1	10275	275	
300	-31.7	20	.2	341.4	9688	-32.4	16	.1	340.3	9652	-32.5	20	.2	340.2	9639	-32.7	17	.1	339.9	9668	300	
325	-28.5	27	.3	338.7	9119	-28.5	21	.2	338.3	9083	-28.7	41	.5	338.9	9070	-28.4	30	.3	338.9	9099	325	
350	-25.4	34	.5	336.3	8584	-25.1	27	.4	336.4	8548	-25.0	39	.6	337.2	8536	-25.2	48	.7	337.4	8565	350	
375	-21.3	31	.6	335.6	8079	-21.7	30	.5	334.9	8044	-21.5	40	.7	335.8	8031	-21.1	30	.6	335.8	8060	375	
400	-17.4	28	.7	334.9	7599	-17.6	22	.5	334.1	7565	-18.5	57	1.3	335.4	7552	-17.6	30	.7	334.8	7580	400	
425	-13.3	27	.9	335.1	7141	-13.9	21	.7	333.6	7107	-15.1	44	1.2	333.9	7097	-14.8	32	.9	333.3	7123	425	
450	-10.4	24	.9	333.6	6704	-10.3	21	.8	333.2	6670	-11.5	35	1.2	333.2	6662	-11.8	46	1.6	334.1	6688	450	
475	-7.6	22	1.0	332.2	6285	-7.0	20	.9	332.8	6251	-8.1	28	1.2	332.3	6244	-8.8	31	1.3	331.7	6272	475	
500	-5.0	20	1.1	330.8	5884	-4.8	20	1.1	331.0	5850	-5.5	26	1.3	331.0	5844	-5.4	30	1.5	331.8	5872	500	
525	-2.7	22	1.3	329.9	5499	-2.6	19	1.2	329.4	5464	-3.1	25	1.4	329.8	5459	-2.5	27	1.7	331.3	5486	525	
550	-.5	24	1.6	329.1	5129	-.6	19	1.3	327.8	5094	-.8	24	1.5	328.6	5089	-.7	35	2.3	331.2	5116	550	
575	1.6	26	2.0	328.6	4772	1.1	41	2.9	331.1	4738	1.5	22	1.6	327.4	4733	.9	56	4.0	334.2	4760	575	
600	3.6	28	2.3	328.1	4428	3.3	36	2.9	329.6	4394	3.6	21	1.7	326.2	4389	3.1	33	2.6	328.4	4416	600	
625	5.6	30	2.7	327.8	4095	5.4	25	2.3	326.2	4062	5.2	22	2.0	325.1	4057	4.5	38	3.2	328.0	4084	625	
650	7.4	31	3.1	327.6	3773	7.3	22	2.2	324.5	3740	6.8	24	2.2	324.2	3736	6.5	32	2.9	326.0	3764	650	
675	9.2	33	3.6	327.5	3461	9.1	21	2.2	323.3	3429	8.3	25	2.5	323.3	3425	8.2	31	3.1	325.1	3453	675	
700	10.9	35	4.0	327.5	3159	10.8	20	2.3	322.0	3127	9.7	26	2.8	322.5	3124	9.8	32	3.5	324.6	3152	700	
725	12.6	36	4.5	327.7	2865	12.5	19	2.3	320.9	2834	11.1	27	3.1	321.8	2832	11.3	34	3.9	324.3	2860	725	
750	11.1	67	7.5	331.1	2583	13.2	33	4.2	324.3	2549	8.6	64	5.9	323.9	2550	12.8	35	4.3	324.0	2576	750	
775	12.7	70	8.4	332.5	2308	12.3	61	7.1	328.5	2274	11.5	96	10.6	337.4	2277	13.0	74	9.0	334.7	2300	775	
800	14.3	73	9.3	334.1	2040	13.4	71	8.6	330.9	2007	13.2	93	11.1	337.8	2009	13.7	88	10.9	337.9	2032	800	
825	15.6	83	11.3	338.1	1779	14.9	72	9.3	331.7	1746	14.8	90	11.6	338.2	1749	15.3	88	11.8	339.1	1771	825	
850	16.9	90	12.9	341.4	1524	16.4	72	10.0	332.6	1492	17.1	77	11.1	336.6	1494	17.0	87	12.6	340.6	1516	850	
875	18.3	92	14.0	343.1	1275	17.8	73	10.7	333.5	1244	18.9	69	10.9	335.4	1246	18.7	86	13.5	342.2	1267	875	
900	19.6	93	15.1	344.8	1032	19.2	73	11.5	334.5	1002	20.0	75	12.3	337.5	1002	20.3	86	14.4	343.9	1024	900	
925	21.3	88	15.4	344.9	794	20.6	74	12.3	335.6	765	21.3	78	13.5	340.0	765	21.9	85	15.3	345.6	785	925	
950	23.2	80	15.1	344.1	561	22.3	75	13.5	338.4	534	23.1	78	14.8	342.9	532	23.4	84	16.2	347.3	552	950	
975	24.7	82	16.7	347.6	333	24.5	78	15.6	344.2	306	24.9	78	16.0	345.9	304	24.9	83	17.2	349.1	324	975	
1000	26.3	84	18.3	351.4	109	26.6	80	17.9	350.6	82	26.6	78	17.3	349.1	80	26.4	82	18.1	350.9	100	1000	
SFC.	27.0	85	19.2	353.4	0	27.4	81	18.8	353.1	0	27.2	78	17.8	350.3	0	27.0	82	18.5	351.7	0	SFC.	
				SURFACE PRESSURE	1012.4				SURFACE PRESSURE	1009.3				SURFACE PRESSURE	1009.1				SURFACE PRESSURE	1011.3		



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

P	3/20 533 GMT					3/20 1218 GMT					3/20 1558 GMT					3/20 1920 GMT					P
	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	
60	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-64.3	35	.0	467.2	19526	60
70	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-71.4	35	.0	431.7	18601	70
80	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-71.4	36	.0	415.5	17812	80
90	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-76.6	37	.0	391.4	17125	90
100	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-78.1	37	.0	376.9	16523	100
110	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-75.9	37	.0	370.9	15975	110
120	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-73.9	36	.0	365.4	15470	120
130	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-72.1	36	.0	360.5	15001	130
140	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-69.4	36	.0	357.5	14562	140
150	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-67.9	24	.0	353.1	14083	-66.8	36	.0	355.1	14147	150
160	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-65.2	25	.0	351.2	13693	-63.7	36	.0	353.8	13755	160
170	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-62.7	26	.0	349.4	13321	-60.6	36	.0	353.0	13380	170
180	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-60.3	27	.0	347.6	12967	-60.0	37	.0	348.2	13024	180
190	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-58.1	27	.0	346.0	12628	-59.2	38	.0	344.1	12686	190
200	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-55.9	28	.0	344.3	12304	-56.6	38	.0	343.3	12362	200
225	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-50.3	30	.1	341.7	11545	-50.3	38	.1	341.8	11605	225
250	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-44.5	33	.1	340.4	10849	-44.1	39	.1	341.1	10907	250
275	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-39.0	37	.2	339.4	10203	-38.5	40	.2	340.3	10260	275
300	-35.2	61	.4	337.3	9602	0.0	0	0.0	0.0	0	-34.3	60	.4	338.6	9600	-33.4	41	.3	339.6	9655	300
325	-30.9	38	.3	335.5	9039	0.0	0	0.0	0.0	0	-30.3	73	.7	337.5	9035	-28.7	42	.5	339.0	9088	325
350	-26.6	27	.3	334.2	8509	0.0	0	0.0	0.0	0	-25.9	67	.9	337.1	8503	-24.3	43	.7	338.5	8552	350
375	-22.3	26	.4	333.9	8006	0.0	0	0.0	0.0	0	-22.9	69	1.1	335.3	8000	-22.0	52	.9	335.9	8047	375
400	-17.8	10	.2	332.8	7528	0.0	0	0.0	0.0	0	-20.2	29	.6	330.8	7525	-17.1	42	1.1	336.6	7567	400
425	-15.1	10	.3	330.7	7072	0.0	0	0.0	0.0	0	-16.2	23	.6	330.4	7072	-16.1	46	1.2	332.5	7112	425
450	-12.3	33	1.1	331.7	6638	0.0	0	0.0	0.0	0	-13.4	33	1.0	330.0	6639	-12.8	48	1.5	332.6	6678	450
475	-9.9	40	1.5	330.9	6223	0.0	0	0.0	0.0	0	-10.0	35	1.3	330.2	6225	-10.4	56	2.1	332.1	6264	475
500	-6.7	18	.8	327.9	5824	0.0	0	0.0	0.0	0	-8.0	46	1.9	329.9	5828	-7.5	58	2.5	332.5	5866	500
525	-4.7	22	1.2	326.9	5442	0.0	0	0.0	0.0	0	-5.9	59	2.8	330.6	5447	-4.6	58	3.0	332.8	5484	525
550	-2.1	14	.9	324.7	5074	0.0	0	0.0	0.0	0	-3.6	63	3.4	330.9	5080	-2.0	57	3.4	332.9	5116	550
575	-.9	31	1.9	325.4	4720	0.0	0	0.0	0.0	0	-1.5	77	4.6	332.9	4727	.4	57	3.9	333.1	4760	575
600	.9	57	3.9	329.6	4379	1.3	96	6.8	338.8	4395	1.0	77	5.2	333.9	4386	2.8	56	4.4	333.5	4417	600
625	3.1	77	5.9	334.5	4049	3.8	85	6.9	338.3	4064	3.4	76	5.9	335.0	4056	5.0	56	4.9	333.9	4085	625
650	5.2	42	3.6	326.4	3730	6.2	75	6.9	337.4	3743	5.6	65	5.7	333.2	3736	6.9	54	5.1	333.0	3763	650
675	7.3	15	1.4	318.5	3421	7.8	74	7.3	337.1	3432	7.4	63	6.0	332.7	3426	7.9	62	6.2	333.8	3452	675
700	9.0	14	1.5	317.4	3121	9.1	78	8.1	337.4	3131	9.2	60	6.3	332.2	3125	9.3	57	6.0	331.4	3151	700
725	10.4	16	1.7	316.5	2830	10.6	46	5.0	326.8	2839	10.8	45	5.0	327.0	2833	11.0	57	6.4	331.4	2859	725
750	11.5	18	2.1	315.8	2547	12.3	26	3.1	319.8	2556	11.9	26	3.1	319.3	2549	12.0	59	6.9	330.6	2575	750
775	12.6	21	2.4	315.2	2273	13.2	33	4.0	320.5	2280	12.8	24	2.8	316.6	2275	13.8	46	5.9	326.8	2300	775
800	13.7	23	2.8	314.6	2006	13.4	57	6.9	326.1	2013	13.1	48	5.6	322.3	2008	15.3	47	6.5	327.1	2031	800
825	13.9	81	9.8	331.9	1747	13.7	95	11.5	336.3	1753	13.1	93	10.7	333.5	1749	15.6	53	7.1	326.5	1770	825
850	14.3	93	11.3	333.6	1494	15.6	89	11.8	336.4	1500	15.0	89	11.2	334.2	1496	16.3	60	8.3	327.6	1516	850
875	15.4	92	11.7	333.1	1248	17.3	83	12.0	336.3	1253	16.8	84	11.7	334.9	1249	17.6	68	9.9	331.0	1268	875
900	16.4	92	12.1	332.6	1008	19.1	81	12.6	337.6	1010	18.6	80	12.1	335.3	1008	19.3	65	10.3	331.2	1026	900
925	18.8	89	13.3	336.2	773	20.9	81	13.8	340.1	773	20.3	76	12.4	335.7	771	20.4	75	12.3	335.4	790	925
950	21.2	87	14.7	340.2	542	22.6	82	15.0	342.7	541	22.0	72	12.7	335.9	539	21.4	87	14.8	341.0	558	950
975	23.6	84	16.1	344.3	315	24.2	82	16.2	345.5	313	23.7	73	13.9	338.6	313	23.7	77	14.6	340.6	331	975
1000	25.9	82	17.5	348.5	92	25.9	82	17.5	348.5	90	25.7	75	15.9	343.9	90	26.0	75	16.0	344.6	108	1000
SFC.	26.8	81	18.1	350.3	0	26.5	82	18.0	349.7	0	26.6	75	16.5	345.8	0	27.2	77	17.5	349.2	0	SFC.
				SURFACE PRESSURE	1010.4				SURFACE PRESSURE	1010.2				SURFACE PRESSURE	1010.2				SURFACE PRESSURE	1012.3	

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

3/20 2120 GMT						3/21 0 0 GMT					3/21 4 3 GMT					3/21 616 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	60	
70	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	70	
80	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	80	
90	0.0	0	0.0	0.0	0	-77.6	0	0.0	389.4	17116	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	90	
100	0.0	0	0.0	0.0	0	-78.1	0	0.0	376.8	16514	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	100	
110	0.0	0	0.0	0.0	0	-77.4	0	0.0	368.1	15969	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	110	
120	0.0	0	0.0	0.0	0	-74.9	0	0.0	363.6	15467	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	120	
130	0.0	0	0.0	0.0	0	-72.6	0	0.0	359.4	15000	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	130	
140	0.0	0	0.0	0.0	0	-70.0	0	0.0	356.5	14562	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	140	
150	0.0	0	0.0	0.0	0	-67.3	0	0.0	354.1	14149	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	150	
160	0.0	0	0.0	0.0	0	-64.8	0	0.0	351.8	13758	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	160	
170	0.0	0	0.0	0.0	0	-62.5	0	0.0	349.7	13386	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	170	
180	0.0	0	0.0	0.0	0	-60.2	0	0.0	347.7	13031	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	180	
190	0.0	0	0.0	0.0	0	-57.8	0	0.0	346.4	12692	-59.3	35	.0	344.0	12635	0.0	0	0.0	0.0	0	190	
200	0.0	0	0.0	0.0	0	-55.4	0	0.0	345.0	12367	-57.0	35	.0	342.6	12312	-57.1	39	.0	342.6	12325	200	
225	0.0	0	0.0	0.0	0	-50.0	0	0.0	341.9	11607	-51.3	32	.0	340.1	11557	-51.3	43	.1	340.2	11569	225	
250	0.0	0	0.0	0.0	0	-43.7	0	0.0	341.1	10908	-45.3	33	.1	339.2	10863	-46.1	46	.1	338.0	10877	250	
275	-37.9	16	.1	340.7	10266	-38.1	19	.1	340.5	10260	-39.7	40	.2	338.5	10219	-39.9	44	.2	338.2	10234	275	
300	-32.6	15	.1	340.0	9659	-33.1	19	.2	339.4	9655	-34.4	50	.3	338.3	9618	-34.2	42	.3	338.3	9633	300	
325	-27.7	14	.2	339.3	9090	-28.5	20	.2	338.3	9087	-29.4	52	.5	338.2	9052	-29.2	43	.5	338.2	9066	325	
350	-24.0	21	.3	337.7	8553	-24.3	20	.3	337.3	8551	-26.6	71	.9	336.2	8520	-25.8	57	.8	336.8	8533	350	
375	-20.6	28	.5	336.4	8046	-20.7	27	.5	336.2	8044	-22.7	57	.9	335.0	8017	-23.0	86	1.4	336.0	8031	375	
400	-18.3	37	.8	334.3	7566	-17.9	41	1.0	335.2	7564	-18.5	58	1.3	335.6	7540	-18.8	65	1.4	335.5	7553	400	
425	-15.4	33	.9	332.5	7111	-13.6	28	.9	334.8	7107	-15.6	42	1.1	333.0	7085	-15.7	47	1.3	333.3	7099	425	
450	-12.1	24	.8	331.0	6677	-11.5	21	.7	331.5	6670	-12.6	41	1.3	332.0	6651	-12.7	36	1.1	331.4	6665	450	
475	-8.5	20	.8	330.5	6260	-8.5	29	1.2	331.9	6253	-9.3	36	1.4	331.4	6236	-9.7	33	1.3	330.5	6250	475	
500	-6.0	30	1.4	330.8	5860	-5.6	37	1.8	332.6	5853	-6.2	31	1.5	330.7	5837	-6.8	30	1.4	329.6	5852	500	
525	-3.7	37	2.0	331.0	5477	-3.4	40	2.2	332.0	5469	-4.2	50	2.7	332.4	5453	-5.6	59	2.8	331.1	5470	525	
550	-1.7	41	2.5	330.4	5108	-1.3	43	2.7	331.5	5099	-3.2	83	4.6	335.0	5085	-3.9	94	4.9	335.1	5104	550	
575	.4	43	2.9	330.1	4753	.7	45	3.1	331.2	4744	-.7	76	4.8	334.6	4731	-1.2	85	5.2	335.3	4750	575	
600	2.7	41	3.2	329.8	4410	3.4	43	3.5	331.4	4400	1.9	64	4.7	333.3	4389	1.6	70	5.0	334.0	4408	600	
625	4.4	44	3.7	329.6	4078	6.0	41	3.8	331.6	4067	4.6	59	5.0	333.8	4058	4.3	55	4.6	332.0	4078	625	
650	6.4	42	3.9	328.7	3757	8.4	38	4.1	331.8	3744	6.6	52	4.9	332.1	3736	6.1	55	5.0	331.8	3757	650	
675	8.7	35	3.6	327.1	3446	10.0	40	4.6	331.6	3431	8.0	49	4.9	330.1	3425	7.5	61	5.9	332.5	3446	675	
700	10.9	28	3.3	325.2	3144	11.2	44	5.3	331.7	3128	8.5	76	7.5	334.9	3125	9.0	66	6.8	333.5	3146	700	
725	12.5	29	3.6	324.8	2851	11.4	62	7.2	334.3	2835	10.4	70	7.6	334.1	2833	10.6	70	7.7	334.7	2853	725	
750	13.1	40	5.0	326.5	2566	12.9	32	3.9	322.9	2550	12.4	68	8.2	334.9	2549	12.1	73	8.7	336.0	2570	750	
775	14.6	33	4.4	323.2	2290	13.5	40	5.0	323.6	2275	14.7	35	4.7	324.4	2273	12.4	90	10.5	338.2	2294	775	
800	14.2	50	6.4	325.6	2022	14.2	54	6.9	327.1	2007	15.9	33	4.6	322.4	2004	14.5	56	7.2	328.3	2026	800	
825	14.9	61	7.9	327.7	1761	15.0	68	8.9	330.6	1746	16.3	51	7.2	327.5	1742	14.9	86	11.2	337.2	1765	825	
850	16.4	63	8.7	329.0	1508	16.6	66	9.3	330.7	1492	16.9	68	9.7	332.4	1488	16.0	89	12.1	338.0	1511	850	
875	17.7	55	8.0	325.9	1260	18.1	64	9.6	330.8	1244	17.6	70	10.2	331.7	1240	17.8	86	12.6	338.7	1263	875	
900	19.4	57	9.0	327.8	1018	19.6	62	10.0	330.8	1002	18.1	80	11.7	333.7	998	19.5	82	13.2	339.4	1021	900	
925	21.0	61	10.3	330.6	781	21.4	62	10.8	332.5	765	19.1	89	13.5	337.2	762	21.1	79	13.6	340.0	783	925	
950	22.7	65	11.9	334.5	550	23.2	62	11.7	334.7	533	21.1	88	14.8	340.6	531	22.7	76	14.1	340.5	551	950	
975	24.5	69	13.8	339.3	322	24.9	62	12.7	336.9	305	23.6	84	16.1	344.5	304	24.3	73	14.4	340.8	323	975	
1000	26.2	73	15.9	344.7	99	26.8	71	16.0	345.7	81	26.0	80	17.3	348.3	81	25.8	74	15.6	343.3	100	1000	
SFC.	27.0	75	16.9	347.3	0	27.5	75	17.4	349.6	0	26.9	79	17.7	349.7	0	26.4	78	17.0	346.6	0	SFC.	
				SURFACE PRESSURE	1011.2				SURFACE PRESSURE	1009.2				SURFACE PRESSURE	1009.2				SURFACE PRESSURE	1011.4		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

3/21 9 0 GMT						3/21 1132 GMT					3/21 1513 GMT					3/21 1828 GMT					
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P
60	0.0	0	0.0	0.0	0	-68.5	0	0.0	457.6	19435	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	60
70	0.0	0	0.0	0.0	0	-71.4	0	0.0	431.6	18519	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	70
80	0.0	0	0.0	0.0	0	-72.8	0	0.0	412.6	17733	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	80
90	0.0	0	0.0	0.0	0	-79.0	0	0.0	386.6	17053	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	90
100	0.0	0	0.0	0.0	0	-78.9	0	0.0	375.4	16454	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	100
110	0.0	0	0.0	0.0	0	-78.8	0	0.0	365.5	15912	0.0	0	0.0	0.0	0	-76.6	19	.0	369.6	15968	110
120	0.0	0	0.0	0.0	0	-77.6	0	0.0	358.7	15416	0.0	0	0.0	0.0	0	-76.2	19	.0	361.2	15466	120
130	0.0	0	0.0	0.0	0	-74.0	0	0.0	356.9	14953	0.0	0	0.0	0.0	0	-73.1	19	.0	358.5	15001	130
140	0.0	0	0.0	0.0	0	-70.8	0	0.0	355.2	14518	0.0	0	0.0	0.0	0	-69.7	19	.0	357.1	14564	140
150	0.0	0	0.0	0.0	0	-67.7	0	0.0	353.5	14106	0.0	0	0.0	0.0	0	-66.4	19	.0	355.7	14149	150
160	-65.6	40	.0	350.7	13721	-64.9	0	0.0	351.8	13715	0.0	0	0.0	0.0	0	-64.3	20	.0	352.7	13756	160
170	-62.3	40	.0	350.1	13349	-62.2	0	0.0	350.2	13342	-60.2	17	.0	353.5	13333	-61.8	20	.0	350.8	13384	170
180	-59.3	41	.0	349.4	12994	-59.7	0	0.0	348.6	12987	-58.7	20	.0	350.3	12976	-58.7	19	.0	350.2	13027	180
190	-57.5	43	.0	347.0	12653	-57.3	0	0.0	347.1	12647	-57.3	23	.0	347.2	12635	-55.8	19	.0	349.6	12685	190
200	-56.5	47	.0	343.6	12329	-55.0	0	0.0	345.6	12321	-56.0	26	.0	344.3	12310	-53.8	19	.0	347.8	12357	200
225	-52.0	55	.1	339.2	11575	-51.4	0	0.0	339.8	11563	-50.0	48	.1	342.3	11551	-49.0	19	.0	343.5	11593	225
250	-46.2	54	.1	338.0	10884	-45.2	0	0.0	338.9	10870	-44.0	69	.2	341.5	10853	-44.1	21	.1	340.8	10894	250
275	-40.2	48	.2	337.9	10242	-39.6	48	.2	338.7	10225	-39.2	50	.2	339.4	10207	-38.9	24	.1	339.4	10247	275
300	-35.3	47	.3	336.8	9642	-35.3	50	.3	336.9	9625	-34.8	35	.2	337.2	9605	-34.2	28	.2	337.9	9644	300
325	-30.7	60	.5	336.5	9079	-30.7	76	.7	337.0	9062	-30.5	53	.5	336.5	9042	-30.6	36	.3	335.8	9080	325
350	-26.6	89	1.1	336.9	8548	-26.2	88	1.1	337.5	8530	-26.4	56	.7	335.8	8510	-26.8	40	.5	334.4	8550	350
375	-22.4	97	1.6	337.8	8045	-22.5	89	1.5	337.2	8027	-23.2	66	1.0	334.8	8009	-22.6	38	.6	334.0	8048	375
400	-18.6	68	1.5	336.2	7567	-19.2	87	1.8	336.5	7550	-19.0	57	1.2	334.7	7532	-18.7	35	.8	333.5	7570	400
425	-15.4	30	.8	332.2	7112	-16.0	85	2.2	336.0	7096	-16.3	86	2.1	335.4	7078	-15.3	37	1.0	333.0	7115	425
450	-12.4	26	.9	330.7	6678	-14.0	52	1.5	330.9	6663	-13.8	64	1.9	332.4	6645	-12.6	45	1.5	332.6	6681	450
475	-9.7	23	.9	329.2	6263	-11.5	60	2.0	330.5	6250	-11.3	34	1.1	328.0	6233	-10.7	34	1.2	328.9	6266	475
500	-7.4	36	1.6	329.5	5865	-8.9	53	2.1	329.3	5855	-8.8	48	1.9	328.6	5837	-7.7	33	1.4	328.6	5870	500
525	-6.4	60	2.7	329.7	5484	-6.3	47	2.1	328.1	5475	-7.0	90	3.9	332.7	5457	-4.8	32	1.6	328.3	5488	525
550	-3.6	74	3.9	332.6	5118	-3.7	84	4.5	334.2	5109	-3.8	62	3.2	330.2	5092	-2.0	31	1.9	328.0	5120	550
575	-.6	52	3.3	330.1	4764	-.3	45	2.9	329.4	4755	-.5	21	1.4	324.1	4739	-.1	45	3.0	329.7	4765	575
600	1.8	54	3.9	330.9	4422	2.1	52	3.9	331.2	4413	1.9	34	2.5	326.6	4397	2.5	43	3.3	329.7	4423	600
625	4.1	52	4.3	330.9	4092	4.9	51	4.4	332.2	4081	4.1	47	3.9	329.8	4066	5.0	41	3.6	329.8	4091	625
650	6.4	48	4.5	330.5	3771	7.5	50	4.9	333.3	3760	6.3	44	4.1	329.1	3745	7.3	40	3.9	329.9	3770	650
675	7.9	57	5.6	332.2	3460	9.4	52	5.7	334.2	3447	7.7	51	5.0	329.9	3435	8.8	48	5.1	331.5	3458	675
700	9.5	63	6.8	333.9	3159	10.7	58	6.7	335.2	3145	9.1	61	6.4	332.3	3134	10.2	56	6.3	333.3	3156	700
725	11.2	64	7.4	334.5	2866	12.0	64	7.7	336.3	2851	11.7	65	7.7	336.1	2842	11.6	64	7.5	335.3	2863	725
750	11.9	77	9.0	336.6	2582	13.3	68	8.7	337.5	2566	12.3	82	9.9	339.5	2557	12.9	71	8.9	337.5	2578	750
775	13.4	76	9.5	336.6	2306	15.4	66	9.4	338.9	2288	12.4	99	11.6	341.4	2281	13.1	79	9.7	336.9	2302	775
800	14.8	77	10.3	337.3	2037	17.1	66	10.3	340.2	2017	13.8	98	12.3	341.7	2013	14.5	79	10.3	337.1	2033	800
825	15.5	90	12.1	340.4	1776	16.3	84	12.0	341.0	1754	15.1	98	12.9	342.1	1752	15.8	84	11.6	339.2	1772	825
850	16.6	92	13.0	341.1	1521	17.0	90	13.1	341.8	1499	16.4	97	13.6	342.5	1497	17.2	85	12.4	340.2	1517	850
875	17.8	92	13.6	341.5	1273	18.0	93	14.0	342.8	1251	17.7	97	14.2	343.0	1249	18.5	86	13.2	341.2	1268	875
900	18.9	93	14.3	342.0	1030	19.3	94	14.9	344.0	1008	19.3	97	15.3	345.2	1006	19.8	86	14.1	342.3	1025	900
925	20.4	91	15.1	343.0	793	21.0	91	15.7	345.4	770	20.9	96	16.4	347.5	768	21.0	87	14.9	343.5	787	925
950	22.3	88	15.8	344.8	561	22.6	89	16.4	346.8	538	22.5	94	17.2	348.8	536	22.3	88	15.8	344.8	555	950
975	24.1	84	16.6	346.5	333	24.2	86	17.1	348.2	310	24.1	89	17.5	349.0	308	24.1	82	16.0	344.8	327	975
1000	25.9	81	17.3	348.0	110	25.8	84	17.8	349.4	86	25.6	85	17.8	349.1	85	26.0	82	17.7	349.2	104	1000
SFC.	26.8	79	17.6	348.7	0	26.4	83	18.1	349.9	0	26.2	83	17.9	349.1	0	26.9	87	19.6	354.3	0	SFC.
				SURFACE PRESSURE	1012.5				SURFACE PRESSURE	1009.8				SURFACE PRESSURE	1009.6				SURFACE PRESSURE	1011.8	



LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

3/21 2054 GMT						3/21 2344 GMT					3/22 358 GMT					3/22 620 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	0.0	0	0.0	0.0	0	-67.3	0	0.0	460.2	19433	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	60	
70	0.0	0	0.0	0.0	0	-72.3	0	0.0	429.8	18509	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	70	
80	0.0	0	0.0	0.0	0	-75.1	0	0.0	407.9	17735	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	80	
90	0.0	0	0.0	0.0	0	-79.0	0	0.0	386.6	17053	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	90	
100	0.0	0	0.0	0.0	0	-75.4	0	0.0	382.2	16449	0.0	0	0.0	0.0	0	-77.6	15	.0	377.8	16436	100	
110	0.0	0	0.0	0.0	0	-76.6	0	0.0	369.6	15896	0.0	0	0.0	0.0	0	-78.3	15	.0	366.4	15891	110	
120	0.0	0	0.0	0.0	0	-77.6	0	0.0	358.6	15398	0.0	0	0.0	0.0	0	-77.6	15	.0	358.6	15394	120	
130	0.0	0	0.0	0.0	0	-74.4	0	0.0	356.3	14936	-73.8	35	.0	357.4	14952	-74.1	15	.0	356.8	14932	130	
140	0.0	0	0.0	0.0	0	-71.4	0	0.0	354.1	14502	-70.2	34	.0	356.1	14515	-70.8	15	.0	355.1	14496	140	
150	0.0	0	0.0	0.0	0	-68.6	0	0.0	351.9	14091	-67.0	33	.0	354.8	14102	-67.8	15	.0	353.4	14084	150	
160	0.0	0	0.0	0.0	0	-66.0	0	0.0	349.9	13702	-64.2	33	.0	353.0	13709	-66.1	15	.0	349.7	13694	160	
170	0.0	0	0.0	0.0	0	-63.5	0	0.0	348.0	13332	-63.0	33	.0	348.9	13338	-64.1	15	.0	347.1	13325	170	
180	0.0	0	0.0	0.0	0	-61.2	0	0.0	346.1	12979	-60.8	33	.0	346.9	12984	-61.4	14	.0	345.8	12973	180	
190	0.0	0	0.0	0.0	0	-59.0	0	0.0	344.3	12642	-58.7	33	.0	345.0	12646	-58.9	14	.0	344.6	12636	190	
200	0.0	0	0.0	0.0	0	-56.3	0	0.0	343.7	12318	-56.7	33	.0	343.1	12323	-56.4	13	.0	343.5	12312	200	
225	0.0	0	0.0	0.0	0	-49.6	0	0.0	342.6	11559	-49.7	35	.1	342.6	11564	-49.9	12	.0	342.2	11554	225	
250	0.0	0	0.0	0.0	0	-43.5	0	0.0	341.4	10859	-44.2	48	.1	340.9	10866	-43.6	11	.0	341.5	10855	250	
275	0.0	0	0.0	0.0	0	-39.0	25	.1	339.3	10211	-39.1	61	.3	339.7	10220	-38.5	13	.1	339.8	10207	275	
300	0.0	0	0.0	0.0	0	-36.2	23	.1	334.9	9611	-34.3	68	.5	338.8	9617	-35.8	28	.2	335.6	9604	300	
325	0.0	0	0.0	0.0	0	-31.9	23	.2	333.5	9051	-30.3	70	.7	337.4	9053	-33.2	45	.3	332.1	9044	325	
350	0.0	0	0.0	0.0	0	-27.2	24	.3	333.2	8522	-26.6	72	.9	336.2	8521	-28.8	36	.4	331.4	8518	350	
375	0.0	0	0.0	0.0	0	-22.8	24	.4	332.9	8021	-23.0	68	1.1	335.0	8019	-24.7	35	.5	330.8	8020	375	
400	0.0	0	0.0	0.0	0	-19.1	29	.6	332.4	7544	-19.3	72	1.5	335.2	7543	-20.9	46	.8	330.9	7547	400	
425	-15.2	34	.9	332.9	7101	-15.7	34	.9	332.1	7090	-15.7	60	1.6	334.5	7089	-17.0	39	.9	330.4	7095	425	
450	-12.5	40	1.3	332.2	6667	-12.6	40	1.3	332.0	6656	-12.3	37	1.2	332.1	6654	-13.4	31	1.0	329.8	6663	450	
475	-9.9	23	.9	328.9	6252	-9.5	29	1.1	330.3	6241	-9.0	21	.9	330.0	6239	-9.9	25	.9	329.0	6249	475	
500	-7.6	23	1.0	327.2	5855	-6.8	31	1.4	329.6	5842	-6.9	54	2.4	332.9	5840	-6.7	18	.9	328.0	5851	500	
525	-5.7	35	1.6	327.2	5474	-4.3	32	1.7	329.1	5460	-4.6	70	3.6	334.8	5457	-5.1	34	1.7	328.1	5468	525	
550	-2.2	35	2.1	328.6	5107	-1.9	33	2.0	328.7	5091	-2.7	78	4.4	335.3	5089	-2.4	27	1.6	326.6	5101	550	
575	-.1	45	3.0	329.6	4752	.4	34	2.4	328.4	4736	-.7	76	4.8	334.6	4734	.2	20	1.4	324.9	4746	575	
600	2.7	33	2.6	327.7	4409	2.6	36	2.7	328.2	4393	1.1	74	5.1	333.8	4393	1.6	71	5.1	334.3	4404	600	
625	4.8	33	2.8	327.3	4078	4.7	37	3.1	328.2	4061	2.3	73	5.3	331.6	4063	3.3	77	5.9	334.9	4074	625	
650	6.3	37	3.4	327.3	3757	6.4	48	4.4	330.4	3741	3.9	78	6.1	332.5	3745	5.5	51	4.4	329.3	3754	650	
675	6.5	56	5.0	328.6	3447	7.7	64	6.2	333.8	3430	6.3	90	8.0	337.2	3436	7.0	73	6.8	334.4	3444	675	
700	8.2	66	6.5	331.4	3148	9.1	69	7.2	334.6	3129	8.6	97	9.7	341.5	3136	7.4	84	7.7	334.1	3144	700	
725	9.8	68	7.2	332.1	2856	10.3	71	7.7	334.4	2837	10.6	99	11.1	344.3	2843	9.6	99	10.2	340.6	2853	725	
750	11.3	67	7.6	331.8	2574	11.6	73	8.3	334.2	2553	12.1	99	11.8	344.9	2559	11.1	99	11.0	341.4	2569	750	
775	12.7	70	8.3	332.4	2298	12.8	74	8.9	334.2	2278	13.7	92	11.8	343.5	2282	12.7	98	11.8	342.2	2294	775	
800	13.8	73	9.1	332.8	2031	13.9	79	9.9	335.3	2010	15.1	89	12.1	343.0	2013	14.2	98	12.6	343.1	2025	800	
825	14.8	76	9.8	333.2	1770	15.0	87	11.5	338.0	1749	16.2	93	13.2	344.2	1750	15.6	98	13.4	344.0	1764	825	
850	15.8	80	10.6	333.6	1516	16.3	92	12.7	340.0	1495	17.4	96	14.2	345.5	1495	17.0	98	14.2	345.0	1508	850	
875	16.7	83	11.4	334.1	1269	17.8	91	13.4	341.0	1246	18.9	94	14.9	346.4	1245	18.4	97	15.0	346.0	1259	875	
900	17.7	86	12.3	334.7	1028	19.3	90	14.2	342.0	1004	20.4	91	15.5	347.2	1002	19.7	97	15.8	347.0	1016	900	
925	19.3	90	13.8	338.0	792	20.7	89	15.0	343.1	766	21.9	89	16.2	348.0	763	21.0	97	16.7	348.1	778	925	
950	21.4	90	15.3	342.2	561	22.1	88	15.7	344.2	534	23.4	87	16.8	348.7	530	22.6	94	17.2	348.9	546	950	
975	23.7	88	16.9	346.9	334	24.2	85	16.7	347.1	307	24.8	85	17.4	349.4	301	24.2	89	17.6	349.4	318	975	
1000	26.1	86	18.6	351.8	110	26.5	80	17.8	350.2	83	26.1	83	17.9	350.1	78	25.7	85	18.0	349.7	94	1000	
SFC.	27.2	85	19.4	354.3	0	27.3	79	18.2	351.4	0	26.6	82	18.1	350.3	0	26.4	83	18.1	349.8	0	SFC.	
				SURFACE PRESSURE	1012.5				SURFACE PRESSURE	1009.4				SURFACE PRESSURE	1008.8				SURFACE PRESSURE	1010.7		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

3/22 9 0 GMT						3/22 1226 GMT					3/22 1537 GMT					3/22 18 5 GMT					P		
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	60	
70	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	70	
80	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	80	
90	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	90	
100	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	100	
110	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	110	
120	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	120	
130	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	130	
140	-70.6	54	.0	355.5	14577	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	140	
150	-69.0	54	.0	351.3	14166	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	150	
160	-66.0	54	.0	350.0	13778	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-66.9	18	.0	348.3	13699	0	160	
170	-62.8	55	.0	349.3	13407	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-65.7	17	.0	344.5	13332	0	170	
180	-59.8	56	.0	348.6	13053	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-62.0	17	.0	344.8	12982	0	180	
190	-58.0	58	.0	346.2	12713	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-58.6	16	.0	345.0	12645	0	190	
200	-55.2	59	.1	345.7	12388	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-55.4	16	.0	345.2	12320	0	200	
225	-48.6	60	.1	344.5	11625	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-50.1	16	.0	341.9	11559	0	225	
250	-43.0	61	.2	343.0	10923	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-45.4	16	.0	338.7	10864	0	250	
275	-38.1	62	.3	341.3	10274	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-39.9	15	.1	337.7	10221	0	275	
300	-32.9	70	.6	341.2	9668	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-34.6	20	.1	337.1	9620	0	300	
325	-28.3	73	.8	340.8	9099	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-29.8	25	.2	336.6	9055	0	325	
350	-24.1	79	1.2	340.8	8563	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-26.4	34	.4	334.9	8523	0	350	
375	-21.8	85	1.5	338.2	8056	0.0	0	0.0	0.0	0	-21.9	60	1.1	336.5	8000	-22.4	19	.3	333.1	8021	0	375	
400	-19.2	88	1.8	336.5	7579	-17.0	85	2.1	340.4	7532	-18.9	76	1.6	336.2	7522	-18.7	17	.4	332.1	7543	0	400	
425	-15.8	91	2.4	337.0	7124	-14.2	86	2.6	339.7	7074	-15.2	36	1.0	333.0	7067	-15.7	17	.5	330.6	7089	0	425	
450	-13.9	91	2.6	334.6	6692	-11.6	88	3.1	339.1	6637	-11.7	36	1.2	333.0	6632	-12.8	17	.5	329.2	6655	0	450	
475	-11.1	92	3.2	334.9	6278	-9.1	89	3.6	338.7	6220	-11.2	49	1.7	329.9	6218	-10.5	23	.8	328.0	6241	0	475	
500	-8.3	82	3.4	334.0	5882	-6.8	90	4.2	338.5	5821	-8.8	51	2.0	329.0	5822	-7.8	31	1.3	328.1	5844	0	500	
525	-4.6	60	3.1	333.2	5500	-4.5	90	4.7	338.5	5438	-6.6	52	2.3	328.3	5442	-7.6	26	1.1	323.1	5464	0	525	
550	-1.1	40	2.5	331.3	5131	-2.2	89	5.3	338.6	5069	-4.1	70	3.6	331.1	5077	-4.0	92	4.8	334.6	5100	0	550	
575	1.4	29	2.1	328.8	4775	.0	88	5.9	338.8	4714	-1.3	97	5.9	337.1	4724	-1.9	93	5.4	334.9	4747	0	575	
600	3.7	44	3.6	332.3	4431	.8	89	6.0	336.0	4372	1.0	92	6.3	337.1	4382	.2	93	6.1	335.3	4407	0	600	
625	6.2	29	2.7	328.5	4098	3.3	86	6.6	336.9	4041	3.2	87	6.7	337.0	4052	2.4	87	6.4	335.1	4077	0	625	
650	7.1	50	4.8	332.5	3775	5.3	83	7.2	337.2	3721	5.8	79	7.1	337.5	3732	4.6	81	6.6	334.7	3758	0	650	
675	7.7	78	7.6	337.8	3464	7.3	81	7.7	337.5	3411	8.4	71	7.3	337.8	3420	6.7	75	6.8	334.2	3449	0	675	
700	9.0	72	7.4	335.3	3163	8.8	80	8.1	337.1	3110	9.1	74	7.7	336.3	3119	8.7	69	7.0	333.5	3149	0	700	
725	10.3	66	7.2	332.7	2871	10.1	79	8.5	336.2	2818	10.4	75	8.2	335.8	2827	10.1	77	8.3	335.6	2857	0	725	
750	12.0	69	8.1	334.2	2588	11.3	78	8.8	335.3	2535	12.3	73	8.8	336.3	2543	12.2	73	8.7	336.1	2573	0	750	
775	13.6	74	9.4	336.5	2311	12.5	77	9.1	334.5	2260	13.1	79	9.7	336.6	2267	13.1	75	9.2	335.4	2297	0	775	
800	15.1	78	10.7	338.9	2042	13.7	77	9.5	333.7	1992	12.9	92	10.8	336.4	1999	15.1	70	9.5	335.6	2029	0	800	
825	16.7	83	12.1	341.7	1780	14.8	76	9.8	332.9	1732	14.3	92	11.6	337.3	1739	17.0	66	9.8	335.6	1767	0	825	
850	18.1	87	13.5	344.6	1524	15.9	75	10.1	332.2	1478	15.7	93	12.4	338.3	1485	17.7	76	11.4	338.2	1511	0	850	
875	19.6	91	15.1	347.8	1274	16.9	75	10.4	331.5	1230	17.1	93	13.2	339.3	1238	18.1	89	13.4	341.2	1262	0	875	
900	20.9	95	16.7	351.1	1029	17.9	74	10.7	330.8	989	18.4	94	14.0	340.4	996	19.6	88	14.1	342.0	1019	0	900	
925	22.2	95	17.6	352.3	790	18.9	74	11.0	330.1	754	19.7	94	14.8	341.5	759	21.0	86	14.8	342.9	782	0	925	
950	23.3	96	18.5	353.5	557	19.9	75	11.7	330.4	524	20.4	94	15.0	340.2	528	22.3	85	15.4	343.8	549	0	950	
975	24.4	97	19.5	354.7	328	20.9	93	15.1	338.3	299	22.1	90	15.6	341.4	302	23.6	84	16.1	344.6	322	0	975	
1000	25.4	99	20.5	356.0	105	23.2	93	16.8	343.1	78	23.8	86	16.2	342.5	81	24.9	83	16.8	345.5	99	0	1000	
SFC.	26.6	87	19.2	352.9	0	24.2	91	17.4	345.3	0	24.4	85	16.4	342.8	0	25.5	83	17.1	345.9	0	0	SFC.	
				SURFACE PRESSURE	1011.9				SURFACE PRESSURE	1008.9				SURFACE PRESSURE	1009.2				SURFACE PRESSURE	1011.3			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

3/22 21 7 GMT						3/22 2323 GMT					3/23 258 GMT					3/23 515 GMT							
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P		
60	0.0	0	0.0	0.0	0	-66.1	0	0.0	463.0	19512	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	60	
70	-63.3	19	.0	449.1	18601	-66.5	0	0.0	442.0	18573	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	70	
80	-71.5	20	.0	415.3	17790	-73.5	0	0.0	411.1	17780	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	80	
90	-75.5	19	.0	393.7	17101	-75.8	0	0.0	393.0	17095	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	90	
100	-77.0	20	.0	379.0	16495	-75.5	0	0.0	381.9	16488	-75.5	31	.0	381.9	16477	0.0	0	0.0	0.0	0	0	100	
110	-79.5	19	.0	364.0	15954	-78.3	0	0.0	366.4	15939	-76.5	31	.0	369.7	15923	0.0	0	0.0	0.0	0	0	110	
120	-76.4	19	.0	360.8	15457	-75.9	0	0.0	361.7	15439	-77.3	31	.0	359.3	15423	0.0	0	0.0	0.0	0	0	120	
130	-73.5	20	.0	357.8	14992	-73.8	0	0.0	357.3	14974	-75.0	31	.0	355.2	14962	0.0	0	0.0	0.0	0	0	130	
140	-70.9	20	.0	355.0	14556	-71.8	0	0.0	353.3	14540	-72.2	31	.0	352.7	14529	0.0	0	0.0	0.0	0	0	140	
150	-68.1	20	.0	352.8	14145	-69.4	0	0.0	350.5	14131	-69.6	31	.0	350.3	14120	0.0	0	0.0	0.0	0	0	150	
160	-65.3	19	.0	351.1	13754	-66.1	0	0.0	349.8	13743	-67.1	31	.0	348.0	13733	0.0	0	0.0	0.0	0	0	160	
170	-62.2	19	.0	350.3	13383	-62.9	0	0.0	349.1	13372	-64.6	31	.0	346.3	13365	0.0	0	0.0	0.0	0	0	170	
180	-59.0	19	.0	349.8	13027	-59.9	0	0.0	348.3	13018	-61.1	31	.0	346.3	13013	0.0	0	0.0	0.0	0	0	180	
190	-56.0	19	.0	349.3	12686	-57.0	0	0.0	347.5	12678	-57.9	30	.0	346.3	12675	0.0	0	0.0	0.0	0	0	190	
200	-54.0	19	.0	347.3	12358	-54.5	0	0.0	346.5	12351	-55.0	30	.0	345.9	12349	0.0	0	0.0	0.0	0	0	200	
225	-48.5	18	.0	344.3	11593	-48.7	0	0.0	343.9	11587	-48.7	30	.1	344.1	11586	0.0	0	0.0	0.0	0	0	225	
250	-42.7	17	.1	342.9	10891	-43.5	0	0.0	341.5	10886	-43.2	35	.1	342.3	10885	0.0	0	0.0	0.0	0	0	250	
275	-37.4	17	.1	341.4	10241	-38.6	17	.1	339.7	10238	-37.2	36	.2	342.1	10235	0.0	0	0.0	0.0	0	0	275	
300	-32.6	16	.1	340.0	9634	-33.1	16	.1	339.3	9634	-32.3	38	.3	341.1	9627	0.0	0	0.0	0.0	0	0	300	
325	-28.2	16	.2	338.6	9065	-28.0	16	.2	338.8	9065	-28.7	37	.4	338.8	9059	0.0	0	0.0	0.0	0	0	325	
350	-24.3	17	.3	337.0	8529	-23.3	15	.3	338.3	8528	-23.9	31	.5	338.4	8523	0.0	0	0.0	0.0	0	0	350	
375	-21.0	17	.3	335.1	8023	-20.6	15	.3	335.6	8020	-21.1	24	.5	335.5	8016	0.0	0	0.0	0.0	0	0	375	
400	-17.9	16	.4	333.2	7543	-18.3	15	.3	332.6	7540	-18.4	18	.4	332.6	7537	0.0	0	0.0	0.0	0	0	400	
425	-15.1	17	.5	331.4	7087	-15.8	16	.4	330.3	7086	-15.2	21	.6	331.7	7082	0.0	0	0.0	0.0	0	0	425	
450	-12.4	18	.6	329.8	6653	-12.6	19	.6	329.6	6652	-12.2	27	.9	331.3	6647	0.0	0	0.0	0.0	0	0	450	
475	-9.9	19	.7	328.4	6238	-9.7	22	.9	329.1	6237	-10.1	41	1.5	330.9	6232	0.0	0	0.0	0.0	0	0	475	
500	-8.1	19	.8	326.0	5841	-6.9	26	1.2	328.8	5839	-7.5	47	2.1	330.9	5835	-6.7	63	2.9	334.7	5871	500	500	
525	-6.9	41	1.8	326.2	5461	-4.5	31	1.6	328.7	5456	-4.4	56	2.9	332.9	5452	-4.4	66	3.5	334.6	5488	525	525	
550	-4.3	54	2.8	328.1	5096	-2.1	36	2.1	328.8	5088	-2.5	53	3.1	331.3	5084	-2.2	81	4.8	336.8	5119	550	550	
575	-1.9	50	2.9	327.3	4744	.1	41	2.7	329.1	4733	-.6	48	3.1	329.4	4730	.1	77	5.1	336.5	4764	575	575	
600	.4	55	3.6	328.3	4404	2.2	45	3.4	329.7	4391	1.7	52	3.7	330.2	4388	2.4	61	4.7	333.9	4421	600	600	
625	2.7	60	4.5	329.7	4074	4.2	49	4.1	330.5	4060	3.8	56	4.5	331.2	4058	4.9	60	5.2	334.5	4089	625	625	
650	4.8	65	5.4	331.3	3755	6.1	53	4.8	331.2	3739	5.8	66	5.9	334.0	3737	7.3	68	6.7	338.3	3767	650	650	
675	6.6	64	5.8	331.1	3446	7.6	57	5.5	331.5	3429	8.0	64	6.4	334.5	3427	8.6	75	7.8	339.5	3455	675	675	
700	8.2	62	6.1	330.4	3146	9.0	61	6.3	332.0	3128	10.0	63	6.9	335.0	3125	10.8	71	8.3	340.1	3153	700	700	
725	9.8	60	6.3	329.8	2855	10.4	65	7.1	332.6	2836	12.0	61	7.5	335.5	2832	12.3	77	9.5	342.0	2858	725	725	
750	12.6	57	7.0	331.8	2572	11.8	68	7.9	333.3	2552	13.5	62	8.1	336.0	2547	14.0	65	8.7	338.2	2573	750	750	
775	13.3	70	8.7	334.1	2296	13.1	71	8.8	334.2	2276	14.8	64	8.8	336.5	2269	15.7	64	9.4	339.1	2294	775	775	
800	14.7	69	9.1	334.0	2027	14.4	75	9.6	335.1	2008	16.1	66	9.6	337.2	1999	17.3	58	9.1	337.1	2024	800	800	
825	15.9	71	9.8	334.4	1766	15.6	78	10.6	336.2	1746	17.5	66	10.1	337.0	1736	18.5	65	10.5	339.6	1760	825	825	
850	17.1	74	10.7	335.3	1511	16.8	81	11.5	337.3	1491	18.8	64	10.3	336.4	1480	19.4	79	13.2	345.3	1503	850	850	
875	18.6	69	10.7	334.5	1263	18.0	84	12.5	338.6	1243	20.1	63	10.6	336.0	1230	18.8	95	15.0	346.5	1252	875	875	
900	20.0	66	10.9	333.9	1020	19.1	87	13.5	340.0	1000	21.0	67	11.7	337.3	986	20.1	96	16.1	348.4	1009	900	900	
925	21.2	69	11.9	335.3	782	20.2	89	14.6	341.4	763	21.9	71	12.7	338.5	748	22.1	93	17.1	350.8	770	925	925	
950	22.4	71	12.9	336.9	550	21.6	90	15.6	343.3	532	22.3	83	14.9	342.3	516	24.1	91	18.4	354.1	536	950	950	
975	23.7	73	14.0	338.8	323	23.3	89	16.7	345.6	314	23.8	85	16.4	345.5	288	25.0	87	18.1	351.8	307	975	975	
1000	25.7	77	16.3	345.0	100	25.0	88	17.7	348.0	82	25.4	85	17.7	348.5	65	25.9	83	17.8	349.4	84	1000	1000	
SFC.	26.6	79	17.4	348.1	0	25.6	87	18.1	348.9	0	25.9	85	18.0	349.4	0	26.2	82	17.7	348.5	0	SFC.	SFC.	
				SURFACE PRESSURE	1011.4				SURFACE PRESSURE	1009.3				SURFACE PRESSURE	1007.4				SURFACE PRESSURE	1009.5			

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

3/23 1123 GMT						3/23 18 8 GMT					3/23 23 0 GMT					3/24 550 GMT						
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	0.0	0	0.0	0.0	0	-67.0	24	.0	461.1	19583	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	60	
70	0.0	0	0.0	0.0	0	-68.7	22	.0	437.5	18625	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	70	
80	0.0	0	0.0	0.0	0	-74.5	20	.0	409.1	17837	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	80	
90	0.0	0	0.0	0.0	0	-74.7	21	.0	395.1	17148	0.0	0	0.0	0.0	0	-74.0	53	.0	396.5	17069	90	
100	0.0	0	0.0	0.0	0	-75.8	20	.0	381.3	16540	0.0	0	0.0	0.0	0	-76.9	53	.0	379.2	16460	100	
110	0.0	0	0.0	0.0	0	-74.3	18	.0	373.9	15987	0.0	0	0.0	0.0	0	-78.4	53	.0	366.2	15915	110	
120	0.0	0	0.0	0.0	0	-74.8	19	.0	363.8	15481	0.0	0	0.0	0.0	0	-77.1	53	.0	359.5	15417	120	
130	0.0	0	0.0	0.0	0	-73.4	21	.0	358.1	15015	0.0	0	0.0	0.0	0	-75.0	53	.0	355.3	14956	130	
140	0.0	0	0.0	0.0	0	-71.2	22	.0	354.4	14579	0.0	0	0.0	0.0	0	-71.6	53	.0	353.8	14522	140	
150	0.0	0	0.0	0.0	0	-67.9	21	.0	353.1	14168	-66.8	0	0.0	355.0	14135	-70.7	54	.0	348.3	14113	150	
160	-64.9	0	0.0	351.8	13716	-64.8	21	.0	351.9	13777	-63.8	0	0.0	353.6	13742	-68.7	53	.0	345.3	13729	160	
170	-61.9	0	0.0	350.6	13344	-61.9	21	.0	350.7	13405	-61.0	0	0.0	352.2	13368	-66.4	53	.0	343.3	13364	170	
180	-59.7	0	0.0	348.6	12988	-59.2	20	.0	349.5	13049	-58.3	0	0.0	350.9	13010	-63.0	53	.0	343.2	13015	180	
190	-58.6	0	0.0	345.0	12650	-56.6	20	.0	348.3	12708	-56.8	0	0.0	347.8	12669	-59.9	53	.0	343.1	12680	190	
200	-55.9	0	0.0	344.3	12325	-54.0	20	.0	347.4	12381	-54.8	0	0.0	346.0	12343	-56.8	54	.0	343.0	12357	200	
225	-49.6	0	0.0	342.6	11565	-47.9	21	.0	345.4	11614	-47.7	0	0.0	345.4	11577	-49.9	54	.1	342.4	11599	225	
250	-43.9	0	0.0	340.8	10866	-42.4	22	.1	343.4	10911	-42.2	0	0.0	343.3	10873	-43.7	54	.2	341.8	10901	250	
275	-38.7	36	.2	339.8	10219	-37.9	30	.2	341.0	10260	-37.2	M	M	M	10221	-38.1	55	.3	341.2	10252	275	
300	-33.8	38	.3	338.9	9616	-33.2	29	.2	339.5	9655	-32.7	M	M	M	9614	-33.0	55	.4	340.6	9647	300	
325	-29.2	35	.4	337.8	9049	-28.8	28	.3	338.2	9087	-28.6	M	M	M	9045	-27.9	66	.8	341.1	9077	325	
350	-25.0	25	.4	336.4	8515	-24.8	25	.4	336.8	8552	-24.7	M	M	M	8510	-24.1	67	1.1	340.2	8541	350	
375	-21.1	16	.3	334.8	8010	-21.0	23	.4	335.6	8047	-21.1	M	M	M	8005	-20.4	72	1.5	339.9	8034	375	
400	-18.6	26	.6	333.0	7531	-17.7	23	.5	334.0	7567	-17.8	M	M	M	7525	-17.3	63	1.6	338.1	7552	400	
425	-16.1	33	.8	331.5	7077	-14.7	22	.6	332.5	7111	-14.8	M	M	M	7069	-14.8	51	1.5	335.2	7095	425	
450	-12.5	25	.8	330.4	6643	-11.8	23	.8	331.2	6675	-12.0	M	M	M	6635	-11.4	54	1.9	335.7	6660	450	
475	-10.4	31	1.1	329.0	6229	-8.9	27	1.1	330.9	6259	-9.6	M	M	M	6219	-9.6	64	2.5	334.6	6243	475	
500	-7.8	31	1.3	328.2	5832	-6.1	32	1.5	330.9	5860	-7.6	M	M	M	5822	-7.8	74	3.1	334.0	5845	500	
525	-4.7	46	2.4	330.8	5450	-3.6	26	1.4	329.1	5476	-5.8	M	M	M	5441	-4.9	69	3.5	333.9	5463	525	
550	-3.9	70	3.7	331.3	5083	-1.7	39	2.4	330.1	5107	-4.0	M	M	M	5075	-3.5	78	4.2	333.6	5096	550	
575	-2.2	68	3.9	329.8	4731	-1.0	54	3.3	329.7	4753	-.8	M	M	M	4723	-1.9	85	4.9	333.5	4743	575	
600	.2	71	4.6	331.0	4391	1.5	46	3.3	328.6	4411	2.3	M	M	M	4382	.5	81	5.3	333.5	4402	600	
625	2.4	81	5.9	333.7	4062	3.4	48	3.8	328.5	4081	5.2	M	M	M	4051	2.8	76	5.7	333.5	4073	625	
650	4.6	90	7.4	336.9	3743	5.9	43	3.8	328.0	3761	8.1	M	M	M	3729	5.0	72	6.0	333.4	3753	650	
675	7.1	65	6.1	332.6	3433	8.1	40	4.0	327.6	3451	9.6	M	M	M	3417	7.1	68	6.4	333.3	3444	675	
700	9.5	42	4.5	327.3	3132	9.9	44	4.8	328.7	3149	10.9	M	M	M	3116	9.1	64	6.6	333.1	3143	700	
725	10.9	48	5.4	328.4	2840	11.6	48	5.7	330.0	2857	12.2	M	M	M	2823	11.0	62	7.0	333.1	2851	725	
750	12.3	54	6.4	329.7	2556	13.3	48	6.1	330.0	2572	13.6	M	M	M	2539	12.4	66	8.0	334.2	2567	750	
775	13.7	59	7.5	331.1	2280	14.6	54	7.3	331.7	2295	15.0	M	M	M	2263	14.4	63	8.4	334.6	2290	775	
800	14.9	64	8.6	332.7	2012	15.9	59	8.4	333.5	2026	15.9	M	M	M	1994	14.5	90	11.8	341.2	2021	800	
825	15.3	91	12.2	340.2	1750	17.2	63	9.4	334.7	1763	16.6	M	M	M	1734	15.6	96	13.1	343.3	1759	825	
850	16.5	98	13.7	342.8	1496	18.4	60	9.4	333.4	1508	17.2	M	M	M	1480	16.9	98	14.1	344.6	1504	850	
875	17.8	97	14.4	343.8	1247	19.5	64	10.5	335.0	1258	18.2	M	M	M	1233	18.5	96	14.9	346.0	1255	875	
900	19.2	97	15.2	344.8	1004	20.6	68	11.6	336.7	1014	19.3	M	M	M	992	20.2	94	15.7	347.4	1012	900	
925	20.5	97	16.0	345.8	767	21.7	72	12.8	338.5	777	20.4	M	M	M	757	21.8	91	16.5	348.8	773	925	
950	21.8	96	16.8	346.9	535	22.8	75	14.0	340.4	544	22.3	M	M	M	527	23.4	89	17.3	350.1	540	950	
975	23.3	94	17.6	348.2	308	24.0	79	15.5	343.3	316	24.4	M	M	M	302	24.9	87	18.0	351.4	311	975	
1000	25.6	87	18.2	350.0	85	25.5	85	17.8	349.0	93	26.5	M	M	M	80	26.4	85	18.7	352.7	87	1000	
SFC.	26.4	84	18.3	350.6	0	26.1	88	18.9	351.5	0	27.3	M	M	M	0	27.0	84	19.0	353.2	0	SFC.	
				SURFACE PRESSURE	1009.6				SURFACE PRESSURE	1010.6				SURFACE PRESSURE	1009.2				SURFACE PRESSURE	1009.9		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

P	3/24 1212 GMT					3/24 1823 GMT					3/24 2314 GMT					3/25 531 GMT					P	
	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H		
60	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-63.0	0	0.0	469.8	19569	0.0	0	0.0	0.0	0	60	
70	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-71.2	0	0.0	432.1	18636	-68.5	30	.0	437.9	18505	70	
80	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-71.4	0	0.0	415.6	17848	-73.7	30	.0	410.8	17717	80	
90	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-73.6	0	0.0	397.4	17153	-74.3	30	.0	395.9	17028	90	
100	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-73.4	0	0.0	385.9	16538	-77.7	30	.0	377.6	16420	100	
110	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-74.8	0	0.0	373.0	15982	-78.2	30	.0	366.4	15875	110	
120	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	-75.3	0	0.0	362.8	15478	-78.8	30	.0	356.5	15379	120	
130	0.0	0	0.0	0.0	0	-74.7	33	.0	355.6	14981	-73.0	0	0.0	358.7	15012	-75.6	30	.0	354.0	14921	130	
140	0.0	0	0.0	0.0	0	-72.4	34	.0	352.3	14548	-69.7	0	0.0	357.0	14574	-72.4	30	.0	352.3	14488	140	
150	0.0	0	0.0	0.0	0	-70.2	35	.0	349.2	14141	-66.5	0	0.0	355.5	14159	-69.4	30	.0	350.7	14080	150	
160	0.0	0	0.0	0.0	0	-68.0	36	.0	346.6	13755	-63.5	0	0.0	354.1	13766	-66.5	30	.0	349.0	13692	160	
170	0.0	0	0.0	0.0	0	-64.9	37	.0	345.8	13388	-62.7	0	0.0	349.4	13394	-63.9	30	.0	347.5	13323	170	
180	0.0	0	0.0	0.0	0	-62.0	38	.0	345.0	13037	-60.0	0	0.0	348.2	13040	-61.3	30	.0	346.1	12970	180	
190	0.0	0	0.0	0.0	0	-58.8	38	.0	344.8	12700	-57.4	0	0.0	347.0	12700	-58.4	29	.0	345.5	12632	190	
200	0.0	0	0.0	0.0	0	-55.8	38	.0	344.6	12376	-54.9	0	0.0	345.8	12374	-55.6	29	.0	344.9	12308	200	
225	0.0	0	0.0	0.0	0	-48.7	39	.1	344.3	11614	-48.6	0	0.0	344.0	11611	-49.2	28	.1	343.4	11546	225	
250	0.0	0	0.0	0.0	0	-42.3	40	.1	343.9	10911	-42.8	0	0.0	342.5	10909	-42.9	28	.1	342.7	10846	250	
275	0.0	0	0.0	0.0	0	-36.6	44	.3	343.2	10259	-37.5	20	.1	341.4	10258	-37.3	27	.2	341.8	10195	275	
300	0.0	0	0.0	0.0	0	-31.7	50	.5	342.5	9650	-32.6	19	.2	340.1	9652	-33.3	35	.3	339.5	9588	300	
325	0.0	0	0.0	0.0	0	-27.2	56	.7	342.0	9078	-28.1	19	.2	338.9	9082	-29.0	32	.3	338.1	9021	325	
350	0.0	0	0.0	0.0	0	-23.9	54	.9	339.8	8541	-23.8	23	.4	338.1	8546	-25.0	43	.6	337.4	8487	350	
375	0.0	0	0.0	0.0	0	-20.4	60	1.2	339.1	8033	-19.8	35	.8	338.2	8038	-21.4	43	.8	336.2	7982	375	
400	0.0	0	0.0	0.0	0	-17.0	61	1.6	338.5	7552	-16.0	47	1.3	338.9	7555	-17.5	55	1.3	337.0	7502	400	
425	0.0	0	0.0	0.0	0	-14.1	65	2.0	337.8	7094	-13.3	51	1.6	337.7	7096	-15.1	97	2.7	338.9	7046	425	
450	0.0	0	0.0	0.0	0	-11.8	75	2.6	337.3	6658	-10.8	55	2.1	336.9	6658	-13.1	99	3.1	337.1	6611	450	
475	0.0	0	0.0	0.0	0	-9.6	81	3.1	336.7	6242	-8.4	59	2.5	336.2	6240	-9.4	82	3.2	337.2	6196	475	
500	0.0	0	0.0	0.0	0	-7.6	83	3.6	335.6	5843	-6.1	62	3.0	335.7	5840	-7.3	89	3.9	337.0	5797	500	
525	-5.5	99	4.8	337.4	5436	-5.7	85	4.0	334.7	5462	-4.8	75	3.8	335.1	5457	-5.4	96	4.7	337.1	5415	525	
550	-3.8	99	5.2	336.3	5069	-3.9	87	4.5	333.9	5095	-2.5	66	3.8	333.7	5089	-3.2	89	4.9	335.9	5048	550	
575	-2.2	99	5.6	335.2	4716	-2.3	84	4.7	332.3	4743	.1	53	3.5	331.6	4734	-1.2	80	4.9	334.1	4694	575	
600	-1.6	99	6.0	334.3	4376	-.1	78	4.9	331.7	4403	1.6	61	4.4	332.1	4392	.1	89	5.7	334.1	4353	600	
625	1.0	96	6.3	333.3	4048	2.4	74	5.4	332.2	4074	3.4	64	5.0	332.1	4062	2.1	85	6.1	333.8	4024	625	
650	3.2	83	6.2	331.7	3731	4.2	78	6.2	333.0	3755	5.2	63	5.4	331.9	3742	4.2	78	6.2	333.1	3706	650	
675	5.3	92	7.6	334.8	3423	5.9	81	7.0	333.6	3447	7.0	63	5.9	331.8	3432	6.3	71	6.3	332.3	3397	675	
700	7.5	76	7.1	332.4	3124	7.6	80	7.5	333.6	3147	8.7	62	6.3	331.7	3132	8.3	65	6.4	331.4	3097	700	
725	9.0	85	8.5	334.8	2833	9.1	81	8.1	333.9	2856	10.4	62	6.8	331.7	2840	10.2	58	6.3	330.2	2806	725	
750	10.4	94	10.0	337.4	2551	10.3	89	9.4	335.8	2574	12.0	62	7.3	331.7	2556	12.2	60	7.1	331.6	2522	750	
775	11.9	97	10.9	338.8	2276	12.5	79	9.3	334.9	2299	13.6	61	7.7	331.8	2281	14.0	63	8.1	333.4	2246	775	
800	13.4	96	11.6	339.4	2009	13.2	85	10.2	335.3	2032	15.1	61	8.2	331.9	2012	15.0	70	9.4	335.2	1977	800	
825	14.8	95	12.3	340.1	1748	13.9	92	11.2	335.8	1772	16.4	62	8.9	332.6	1750	15.9	77	10.7	337.0	1715	825	
850	16.2	95	13.0	340.8	1494	15.7	87	11.5	336.0	1518	17.8	64	9.7	333.3	1495	16.8	85	12.1	338.9	1460	850	
875	17.6	94	13.7	341.5	1245	17.3	87	12.5	337.6	1271	19.1	65	10.4	334.1	1246	17.7	91	13.5	340.9	1212	875	
900	18.9	93	14.5	342.3	1003	18.8	88	13.5	339.6	1029	20.3	67	11.2	335.0	1003	19.3	91	14.4	342.7	969	900	
925	20.2	93	15.2	343.1	766	20.2	90	14.6	341.6	792	21.6	68	12.0	336.0	765	20.9	90	15.4	344.5	732	925	
950	21.5	92	15.9	343.9	534	21.6	91	15.8	343.8	560	22.8	69	12.8	337.0	533	22.4	90	16.3	346.3	499	950	
975	22.7	92	16.6	344.8	307	23.0	92	17.0	346.1	333	23.9	70	13.6	338.1	305	23.9	89	17.3	348.2	272	975	
1000	23.9	91	17.3	345.6	85	24.3	93	18.2	348.5	110	25.3	78	16.1	344.2	83	25.4	88	18.3	350.1	49	1000	
SFC.	24.4	91	17.6	346.0	0	25.0	94	18.8	349.8	0	26.0	85	18.1	349.5	0	25.7	88	18.5	350.6	0	SFC.	
					1009.7					1012.6					1009.4						1005.5	

B-41

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

3/25 1131 GMT						3/25 2310 GMT					3/26 11 7 GMT					3/26 2313 GMT					P	
P	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P	
60	-66.4	0	0.0	462.4	19420	-63.5	0	0.0	468.7	19551	0.0	0	0.0	0.0	0	-69.1	0	0.0	456.2	19495	60	
70	-72.0	0	0.0	430.4	18499	-66.9	0	0.0	441.4	18667	0.0	0	0.0	0.0	0	-70.3	0	0.0	434.0	18581	70	
80	-75.4	0	0.0	407.2	17720	-72.1	0	0.0	414.1	17816	0.0	0	0.0	0.0	0	-70.0	0	0.0	418.4	17783	80	
90	-77.0	0	0.0	390.5	17041	-75.1	0	0.0	394.4	17122	0.0	0	0.0	0.0	0	-73.2	0	0.0	398.2	17088	90	
100	-78.5	0	0.0	376.1	16438	-77.7	0	0.0	377.6	16516	0.0	0	0.0	0.0	0	-78.1	0	0.0	376.8	16477	100	
110	-77.7	0	0.0	367.5	15894	-75.8	0	0.0	371.0	15968	-76.8	0	0.0	369.2	15958	-77.4	0	0.0	368.0	15932	110	
120	-76.9	0	0.0	359.9	15395	-74.2	0	0.0	364.9	15463	-75.7	0	0.0	362.1	15456	-74.8	0	0.0	363.7	15430	120	
130	-76.2	0	0.0	353.0	14934	-72.6	0	0.0	359.5	14995	-74.8	0	0.0	355.6	14992	-74.6	0	0.0	355.9	14965	130	
140	-73.5	0	0.0	350.4	14504	-69.9	0	0.0	356.6	14557	-72.1	0	0.0	352.8	14559	-73.2	0	0.0	350.9	14533	140	
150	-70.4	0	0.0	348.8	14097	-67.2	0	0.0	354.4	14144	-68.5	0	0.0	352.0	14150	-69.8	0	0.0	349.8	14126	150	
160	-67.6	0	0.0	347.2	13712	-64.6	0	0.0	352.2	13752	-65.2	0	0.0	351.3	13760	-66.7	0	0.0	348.7	13739	160	
170	-64.9	0	0.0	345.7	13344	-62.2	0	0.0	350.2	13380	-62.0	0	0.0	350.5	13388	-63.7	0	0.0	347.6	13370	170	
180	-62.3	0	0.0	344.3	12993	-59.9	0	0.0	348.2	13025	-59.1	0	0.0	349.6	13032	-60.8	0	0.0	346.8	13017	180	
190	-60.0	0	0.0	342.8	12658	-57.7	0	0.0	346.4	12685	-56.4	0	0.0	348.5	12691	-57.9	0	0.0	346.1	12678	190	
200	-57.6	0	0.0	341.6	12336	-55.7	0	0.0	344.6	12360	-54.0	0	0.0	347.3	12363	-55.2	0	0.0	345.4	12353	200	
225	-50.4	0	0.0	341.2	11580	-49.1	0	0.0	343.3	11599	-48.4	0	0.0	344.3	11598	-48.9	0	0.0	343.6	11590	225	
250	-44.0	0	0.0	340.7	10883	-43.1	0	0.0	342.0	10898	-43.5	0	0.0	341.5	10897	-43.3	0	0.0	341.7	10890	250	
275	-38.1	28	.1	340.6	10235	-37.3	21	.1	341.6	10248	-38.7	21	.1	339.6	10249	-38.7	18	.1	339.6	10241	275	
300	-32.6	33	.3	340.5	9629	-32.8	34	.3	340.3	9642	-33.6	20	.2	338.7	9645	-34.6	18	.1	337.2	9639	300	
325	-28.4	51	.6	339.7	9060	-28.0	32	.4	339.6	9072	-29.1	21	.2	337.5	9078	-29.7	18	.2	336.5	9074	325	
350	-24.8	61	.9	338.7	8525	-23.6	31	.5	338.9	8535	-25.0	22	.3	336.4	8544	-25.3	18	.3	335.7	8541	350	
375	-20.9	58	1.1	338.0	8019	-19.4	30	.6	338.3	8027	-21.1	23	.4	335.4	8038	-21.1	18	.3	335.0	8036	375	
400	-17.4	56	1.4	337.3	7538	-17.7	49	1.2	336.2	7544	-17.5	24	.6	334.4	7559	-17.2	18	.4	334.4	7555	400	
425	-14.5	62	1.8	336.7	7081	-14.5	40	1.2	334.6	7088	-14.5	24	.7	333.0	7102	-13.8	20	.6	333.6	7098	425	
450	-12.7	84	2.7	336.3	6646	-11.4	31	1.1	332.9	6652	-11.6	23	.8	331.6	6666	-10.6	22	.8	332.9	6661	450	
475	-10.0	85	3.2	336.4	6231	-8.1	34	1.5	333.1	6235	-8.9	23	.9	330.3	6250	-7.6	24	1.1	332.4	6243	475	
500	-7.1	82	3.7	336.6	5833	-5.1	41	2.1	334.2	5834	-6.4	22	1.1	329.0	5851	-4.9	25	1.3	331.8	5841	500	
525	-5.3	M	M	M	5450	-4.0	54	2.9	333.4	5449	-4.0	27	1.5	328.7	5468	-3.3	24	1.4	329.2	5457	525	
550	-3.6	M	M	M	5084	-2.9	65	3.7	332.7	5081	-1.9	41	2.5	330.3	5099	-1.8	23	1.4	326.8	5088	550	
575	-1.4	M	M	M	4731	-.4	50	3.3	330.3	4727	.1	57	3.8	332.6	4744	.3	33	2.2	327.8	4733	575	
600	.8	85	5.8	335.3	4390	2.1	36	2.7	327.4	4385	2.0	78	5.7	336.5	4401	2.3	40	3.0	328.7	4390	600	
625	2.6	73	5.4	332.4	4060	4.1	31	2.6	325.7	4054	3.9	59	4.7	332.0	4070	4.4	35	2.9	327.1	4059	625	
650	3.9	70	5.4	330.4	3741	5.9	36	3.2	325.9	3734	5.9	41	3.7	327.4	3750	6.5	29	2.7	325.3	3738	650	
675	6.1	47	4.1	325.5	3433	4.3	41	3.2	320.5	3425	7.7	49	4.8	329.6	3440	8.5	24	2.5	323.3	3428	675	
700	7.4	69	6.4	330.4	3134	6.4	54	4.7	324.0	3128	9.2	69	7.3	335.0	3139	10.4	19	2.2	321.2	3126	700	
725	8.7	96	9.5	337.4	2844	8.4	67	6.4	328.2	2838	10.7	75	8.4	336.7	2846	11.7	23	2.7	321.0	2834	725	
750	10.3	96	10.1	337.7	2561	10.4	79	8.4	333.0	2556	12.3	74	8.9	336.8	2562	12.7	29	3.5	321.7	2550	750	
775	12.1	88	10.2	337.1	2287	12.3	82	9.6	335.5	2282	13.7	73	9.3	336.5	2286	13.8	35	4.4	322.5	2274	775	
800	13.9	81	10.2	336.2	2019	14.3	76	9.8	335.3	2014	14.8	69	9.2	334.4	2017	14.8	41	5.3	323.3	2006	800	
825	15.6	81	11.1	337.7	1758	16.1	70	9.9	334.9	1752	15.9	73	10.1	335.4	1756	15.7	46	6.3	324.2	1745	825	
850	17.3	85	12.5	340.6	1503	17.8	66	10.1	334.6	1497	17.0	84	12.2	339.5	1501	16.7	52	7.3	325.2	1491	850	
875	18.9	88	14.0	343.8	1253	19.0	69	10.9	335.5	1248	18.3	87	13.3	341.1	1252	17.6	57	8.2	326.3	1244	875	
900	19.8	89	14.6	343.9	1010	20.2	71	11.8	336.5	1005	19.5	90	14.4	342.8	1009	18.4	62	9.3	327.4	1002	900	
925	20.7	89	15.0	343.4	772	21.3	73	12.6	337.6	767	20.7	92	15.5	344.7	772	19.6	67	10.4	329.5	766	925	
950	21.5	90	15.5	342.9	541	22.4	75	13.5	338.7	535	22.0	93	16.6	346.4	539	21.9	70	12.3	334.7	535	950	
975	22.4	90	15.9	342.4	314	23.5	76	14.5	339.9	308	23.7	90	17.2	347.7	312	24.1	74	14.4	340.4	308	975	
1000	24.2	87	16.8	344.7	92	25.0	87	17.6	347.6	85	25.4	86	17.9	348.9	89	26.2	77	16.7	346.8	85	1000	
SFC.	25.0	86	17.2	345.6	0	25.6	92	19.2	351.8	0	26.0	85	18.1	349.4	0	27.0	78	17.6	349.4	0	SFC.	
				SURFACE PRESSURE	1010.5				SURFACE PRESSURE	1009.7				SURFACE PRESSURE	1010.1				SURFACE PRESSURE	1009.6		

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

P	T	3/27 11 4 GMT				3/28 024 GMT				3/28 1140 GMT				3/28 2325 GMT					P			
		RH	W	EPT	H	T	RH	W	EPT	H	T	RH	W	EPT	H	P						
60	-67.8	0	0.0	459.2	19476	-67.1	0	0.0	460.7	19543	-71.5	0	0.0	450.9	19563	0.0	0	0.0	0.0	0	60	
70	-71.6	0	0.0	431.1	18558	-66.4	0	0.0	442.4	18606	-73.8	0	0.0	426.5	18655	0.0	0	0.0	0.0	0	70	
80	-74.2	0	0.0	409.6	17770	-74.2	0	0.0	409.7	17817	-75.5	0	0.0	407.0	17884	0.0	0	0.0	0.0	0	80	
90	-81.1	0	0.0	382.4	17096	-75.7	0	0.0	393.2	17131	-76.4	0	0.0	391.8	17204	0.0	0	0.0	0.0	0	90	
100	-80.3	0	0.0	372.6	16505	-78.0	0	0.0	377.0	16529	-77.2	0	0.0	378.7	16598	0.0	0	0.0	0.0	0	100	
110	-76.6	0	0.0	369.5	15962	-76.0	0	0.0	370.7	15981	-76.4	0	0.0	370.0	16051	0.0	0	0.0	0.0	0	110	
120	-73.3	0	0.0	366.5	15457	-74.1	0	0.0	365.0	15476	-73.4	0	0.0	366.2	15546	0.0	0	0.0	0.0	0	120	
130	-71.5	0	0.0	361.4	14985	-72.4	0	0.0	359.9	15008	-70.8	0	0.0	362.8	15074	0.0	0	0.0	0.0	0	130	
140	-71.6	0	0.0	353.6	14548	-70.8	0	0.0	355.1	14570	-69.4	0	0.0	357.6	14633	0.0	0	0.0	0.0	0	140	
150	-68.9	0	0.0	351.4	14139	-69.1	0	0.0	351.2	14160	-68.2	0	0.0	352.6	14220	0.0	0	0.0	0.0	0	150	
160	-66.4	0	0.0	349.3	13750	-66.4	0	0.0	349.2	13771	-64.8	0	0.0	351.9	13830	0.0	0	0.0	0.0	0	160	
170	-63.9	0	0.0	347.3	13381	-63.9	0	0.0	347.4	13402	-61.6	0	0.0	351.1	13457	0.0	0	0.0	0.0	0	170	
180	-61.4	0	0.0	345.8	13029	-60.9	0	0.0	346.6	13049	-58.7	0	0.0	350.3	13101	0.0	0	0.0	0.0	0	180	
190	-58.7	0	0.0	344.8	12691	-58.0	0	0.0	345.9	12711	-55.8	0	0.0	349.5	12759	0.0	0	0.0	0.0	0	190	
200	-56.2	0	0.0	343.8	12367	-55.3	0	0.0	345.1	12386	-53.1	0	0.0	348.6	12430	0.0	0	0.0	0.0	0	200	
225	-49.7	0	0.0	342.3	11608	-49.1	0	0.0	343.3	11624	-47.0	0	0.0	346.5	11661	0.0	0	0.0	0.0	0	225	
250	-43.7	0	0.0	341.0	10910	-43.4	0	0.0	341.5	10924	-41.4	0	0.0	344.5	10954	0.0	0	0.0	0.0	0	250	
275	-38.3	16	.1	340.1	10262	-38.1	18	.1	340.4	10275	-36.2	43	.3	343.9	10300	-37.1	M	M	M	10221	275	
300	-33.3	16	.1	338.9	9657	-32.5	16	.1	340.1	9669	-31.4	43	.4	342.7	9690	-31.6	M	M	M	9612	300	
325	-28.8	16	.2	337.8	9089	-27.9	15	.2	339.0	9099	-26.9	42	.5	341.7	9118	-26.5	M	M	M	9040	325	
350	-24.5	17	.2	336.7	8554	-24.0	16	.2	337.4	8563	-22.8	41	.7	340.8	8579	-22.6	M	M	M	8500	350	
375	-20.6	17	.3	335.7	8048	-20.5	16	.3	335.8	8056	-19.8	46	1.0	339.0	8070	-19.0	M	M	M	7990	375	
400	-16.9	17	.4	334.7	7567	-17.1	17	.4	334.4	7575	-17.3	52	1.3	337.2	7588	-17.4	M	M	M	7508	400	
425	-13.9	22	.7	333.7	7109	-13.7	19	.6	333.7	7117	-14.3	53	1.6	336.2	7131	-15.4	M	M	M	7053	425	
450	-11.1	27	1.0	332.9	6673	-10.5	21	.8	333.1	6680	-10.7	49	1.8	336.3	6695	-12.5	M	M	M	6619	450	
475	-8.4	32	1.4	332.4	6255	-7.4	23	1.1	332.6	6261	-7.2	45	2.1	336.3	6276	-9.8	M	M	M	6204	475	
500	-5.9	36	1.8	332.1	5855	-5.2	25	1.3	331.3	5860	-4.2	44	2.4	336.4	5873	-7.2	M	M	M	5806	500	
525	-3.5	36	2.0	331.1	5471	-3.0	27	1.6	330.2	5475	-2.1	52	3.2	336.7	5487	-4.8	M	M	M	5425	525	
550	-1.3	35	2.2	330.1	5102	-1.0	28	1.8	329.2	5116	-.1	60	4.2	337.7	5116	-3.5	M	M	M	5058	550	
575	.9	34	2.4	329.2	4746	.9	30	2.1	328.3	4750	2.4	74	5.9	341.8	4757	-2.2	M	M	M	4706	575	
600	2.9	38	3.0	329.3	4403	3.1	30	2.4	327.8	4406	4.4	79	6.9	343.2	4411	.2	M	M	M	4367	600	
625	4.8	42	3.7	329.9	4071	5.7	28	2.6	327.5	4074	6.3	81	7.8	344.3	4077	1.1	M	M	M	4039	625	
650	6.6	39	3.7	328.3	3750	8.1	27	2.8	327.2	3752	8.1	84	8.8	345.6	3753	5.7	M	M	M	3723	650	
675	8.3	32	3.2	325.3	3439	9.8	23	2.6	325.4	3440	9.8	76	8.5	343.0	3440	7.8	M	M	M	3413	675	
700	9.2	59	6.2	332.0	3138	11.1	25	2.9	324.3	3137	11.0	80	9.4	343.7	3136	9.8	M	M	M	3113	700	
725	10.2	87	9.3	338.8	2846	12.3	34	4.2	326.4	2844	12.2	78	9.6	342.1	2842	11.7	M	M	M	2821	725	
750	12.1	81	9.6	338.6	2562	13.4	43	5.6	328.5	2559	13.3	76	9.8	340.6	2556	13.2	M	M	M	2538	750	
775	13.9	76	9.8	338.3	2286	14.5	52	6.9	330.6	2282	14.4	75	10.0	339.1	2279	14.3	M	M	M	2262	775	
800	14.7	81	10.7	338.3	2017	15.6	56	7.9	331.6	2013	15.4	73	10.1	337.7	2010	15.4	M	M	M	1994	800	
825	14.8	91	11.8	338.4	1755	16.7	61	8.9	332.7	1751	16.4	71	10.2	336.2	1747	16.4	M	M	M	1734	825	
850	16.1	93	12.7	339.6	1501	17.8	65	9.9	333.9	1495	17.4	70	10.3	334.8	1492	17.4	M	M	M	1480	850	
875	17.8	92	13.6	341.4	1253	18.8	70	10.9	335.2	1246	18.9	73	11.5	336.8	1243	18.4	M	M	M	1233	875	
900	19.4	91	14.5	343.1	1010	19.9	73	12.0	336.7	1004	20.3	75	12.6	339.0	1000	19.3	M	M	M	992	900	
925	21.0	90	15.5	345.0	773	21.0	77	13.1	338.4	766	21.7	77	13.8	341.4	762	20.4	M	M	M	757	925	
950	22.6	89	16.4	346.8	540	22.6	76	14.0	340.1	534	23.1	80	15.1	343.9	529	22.6	M	M	M	527	950	
975	24.1	88	17.4	348.7	312	25.0	69	14.4	341.6	306	24.4	82	16.5	346.6	301	24.8	M	M	M	300	975	
1000	25.6	87	18.4	350.6	89	27.0	76	17.3	349.5	82	25.7	84	17.8	349.4	78	26.9	M	M	M	76	1000	
SFC.	26.2	87	18.8	351.4	0	27.6	81	19.0	354.0	0	26.2	85	18.3	350.4	0	27.6	78	18.3	352.1	0	SFC.	
				SURFACE PRESSURE	1010.1				SURFACE PRESSURE	1009.3				SURFACE PRESSURE	1008.6				SURFACE PRESSURE	1008.6		

B-43





APPENDIX C: THERMODYNAMIC DATA ABOVE 60 mb

Palmyra Island . . . . .

Fanning Island . . . . .

Christmas Island . . . . .



LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB.

PALMYRA ISLAND

P	2/25 035 GMT			2/25 1258 GMT			2/26 017 GMT			2/26 12 0 GMT			2/27 0 1 GMT			2/27 12 0 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	-38.7	1137	37175	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	-29.2	1110	36085	-40.1	1061	35648	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	-32.6	1039	34788	-41.2	1002	34406	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	-34.4	987	33709	-42.2	955	33362	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	7
8	-34.4	950	32775	-43.0	916	32460	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	8
9	-35.1	916	31951	-43.7	882	31667	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	9
10	-38.8	875	31223	-44.4	854	30961	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	10
12	-40.4	825	29979	-46.2	804	29744	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	12
14	-41.8	784	28926	-47.6	765	28722	0.0	0	0	-54.6	741	28783	-48.9	760	28801	0.0	0	0	14
16	-47.3	737	28032	-49.8	729	27844	0.0	0	0	-49.4	730	27918	-47.8	735	27924	0.0	0	0	16
18	-46.5	715	27249	-52.5	696	27078	0.0	0	0	-47.7	711	27140	-45.0	720	27142	-48.4	709	27235	18
20	-48.6	688	26554	-54.9	668	26401	0.0	0	0	-48.9	686	26447	-50.3	682	26446	-47.7	690	26540	20
25	-50.2	640	25092	-51.3	637	24963	0.0	0	0	-50.9	638	24990	-55.2	626	25014	-53.4	631	25094	25
30	-56.1	592	23926	-55.3	594	23785	0.0	0	0	-58.8	584	23814	-55.5	593	23851	-54.5	596	23924	30
35	-56.6	565	22947	-60.2	556	22813	-55.4	568	22802	-58.9	559	22843	-57.3	563	22871	-55.4	568	22939	35
40	-57.1	542	22101	-59.8	536	21979	-60.7	533	21961	-60.5	534	22009	-61.0	533	22034	-60.0	535	22096	40
45	-57.5	523	21357	-59.5	519	21243	-62.0	513	21232	-62.0	513	21278	-64.2	507	21308	-58.7	521	21360	45
50	-60.6	501	20694	-63.5	494	20588	-62.4	496	20581	-60.5	501	20624	-61.3	499	20660	-61.2	499	20701	50
55	-64.2	479	20107	-66.5	474	20008	-65.2	477	19997	-62.9	482	20031	-62.7	482	20071	-64.0	479	20114	55
60	-66.9	461	19578	-68.1	459	19484	-69.7	455	19473	-70.7	453	19505	-63.0	470	19536	-65.7	464	19583	60

P	2/28 714 GMT			2/28 1147 GMT			2/28 1815 GMT			3/ 1 148 GMT			3/ 1 550 GMT			3/ 1 1248 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	-37.0	1075	35678	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	-41.1	1003	34428	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	-44.5	945	33388	0.0	0	0	0.0	0	0	0.0	0	0	-38.8	969	33501	0.0	0	0	7
8	-43.2	915	32491	0.0	0	0	0.0	0	0	0.0	0	0	-38.6	933	32584	0.0	0	0	8
9	-42.0	889	31696	-42.6	887	31834	0.0	0	0	0.0	0	0	-38.5	903	31775	0.0	0	0	9
10	-43.0	859	30984	-42.5	861	31122	0.0	0	0	0.0	0	0	-38.3	877	31051	0.0	0	0	10
12	-44.6	810	29760	-44.2	811	29895	0.0	0	0	0.0	0	0	-41.2	822	29800	0.0	0	0	12
14	-47.6	765	28740	-44.1	777	28864	-45.6	771	28857	0.0	0	0	-46.3	769	28765	0.0	0	0	14
16	-50.4	727	27867	-45.9	742	27968	-51.8	722	27975	0.0	0	0	-49.0	731	27883	0.0	0	0	16
18	-49.0	707	27097	-50.7	702	27192	-49.5	706	27207	0.0	0	0	-50.0	704	27111	0.0	0	0	18
20	-52.1	677	26411	-51.0	680	26506	-48.9	686	26515	0.0	0	0	-50.8	681	26424	0.0	0	0	20
25	-54.5	628	24972	-51.7	636	25057	-51.8	636	25057	-52.9	633	25041	-55.6	625	24988	-57.7	619	24858	25
30	-57.1	589	23816	-52.3	602	23876	-55.4	594	23888	-56.9	590	23876	-55.0	595	23822	-59.7	582	23714	30
35	-58.8	559	22842	-54.9	569	22885	-54.9	569	22904	-58.3	561	22906	-59.2	558	22847	-59.5	557	22750	35
40	-61.7	531	22009	-57.2	542	22036	-56.8	543	22052	-56.6	544	22062	-60.9	533	22015	-59.4	537	21914	40
45	-61.9	513	21281	-59.2	519	21295	-60.8	516	21314	-58.2	522	21316	-61.9	513	21284	-62.2	512	21182	45
50	-65.1	490	20632	-62.7	496	20638	-66.7	486	20665	-61.5	499	20658	-62.7	496	20633	-66.2	487	20536	50
55	-66.7	473	20054	-68.4	469	20059	-65.2	477	20087	-64.5	478	20071	-63.5	481	20047	-68.3	470	19963	55
60	-67.3	460	19529	-65.6	464	19534	-66.8	461	19557	-62.6	471	19537	-64.3	467	19514	-72.5	449	19444	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. PALMYRA ISLAND

P	3/ 1 2315 GMT			3/ 2 520 GMT			3/ 2 1115 GMT			3/ 2 2315 GMT			3/ 3 1130 GMT			3/ 3 18 0 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	-40.0	1007	34229	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	-32.9	993	33569	-40.2	963	33177	0.0	0	0	-36.9	977	33696	0.0	0	0	0.0	0	0	7
8	-34.0	951	32632	-40.5	926	32267	0.0	0	0	-37.9	936	32774	0.0	0	0	0.0	0	0	8
9	-35.0	916	31809	-42.7	886	31467	0.0	0	0	-38.8	902	31964	0.0	0	0	0.0	0	0	9
10	-35.9	886	31076	-45.3	850	30760	0.0	0	0	-39.6	872	31242	-42.7	860	31112	0.0	0	0	10
12	-43.0	815	29828	-49.5	792	29555	0.0	0	0	-43.1	815	30004	-42.0	819	29880	0.0	0	0	12
14	-45.6	771	28799	-49.6	758	28545	0.0	0	0	-46.0	770	28972	-43.4	779	28837	0.0	0	0	14
16	-44.7	745	27907	-49.6	730	27671	0.0	0	0	-48.5	733	28089	-46.4	740	27945	0.0	0	0	16
18	-48.1	710	27125	-49.6	705	26900	0.0	0	0	-47.6	712	27315	-49.0	707	27167	0.0	0	0	18
20	-48.2	689	26431	-49.7	684	26210	0.0	0	0	-48.8	687	26621	-50.2	683	26477	-50.1	683	26500	20
25	-50.5	639	24967	-56.9	621	24764	0.0	0	0	-47.5	648	25156	-51.9	636	25028	-52.2	635	25048	25
30	-54.1	597	23788	-59.7	582	23617	0.0	0	0	-52.8	601	23961	-50.0	608	23841	-51.7	604	23867	30
35	-57.9	561	22803	-62.1	550	22659	0.0	0	0	-53.2	574	22967	-54.2	571	22845	-54.2	571	22877	35
40	-61.2	532	21970	-64.2	525	21837	0.0	0	0	-55.7	546	22110	-55.8	546	21992	-55.1	547	22021	40
45	-60.8	515	21239	-63.1	510	21116	0.0	0	0	-59.4	519	21366	-58.8	520	21246	-58.4	521	21275	45
50	-60.0	502	20583	-65.3	490	20472	-65.4	489	20590	-59.4	504	20709	-63.0	495	20591	-61.3	499	20617	50
55	-62.4	483	19991	-66.0	475	19892	-65.3	476	20010	-61.3	486	20115	-64.2	479	20007	-64.0	479	20029	55
60	-63.3	469	19456	-66.7	462	19365	-65.2	465	19480	-63.1	470	19577	-65.4	465	19476	-65.6	464	19498	60

P	3/ 4 1130 GMT			3/ 4 18 0 GMT			3/ 4 2335 GMT			3/ 5 1150 GMT			3/ 5 1835 GMT			3/ 6 012 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	-40.1	1061	35553	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	-42.0	998	34314	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-35.5	1027	34561	6
7	-43.7	948	33275	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-38.3	971	33494	7
8	-45.1	907	32380	0.0	0	0	0.0	0	0	0.0	0	0	-35.7	945	32591	-40.2	927	32580	8
9	-46.4	872	31596	0.0	0	0	-38.0	905	31731	0.0	0	0	-38.6	902	31777	-41.4	892	31779	9
10	-47.5	842	30898	0.0	0	0	-39.7	871	31008	0.0	0	0	-41.2	866	31058	-42.5	861	31065	10
12	-47.8	798	29694	0.0	0	0	-40.3	825	29763	-45.3	807	29802	-43.3	814	29825	-44.2	811	29838	12
14	-47.4	765	28675	-44.9	774	28930	-45.8	771	28724	-46.3	769	28776	-45.1	773	28791	-47.7	764	28810	14
16	-47.0	738	27792	-46.6	739	28038	-50.6	726	27845	-47.1	738	27890	-47.8	735	27908	-48.8	732	27929	16
18	-51.5	699	27025	-47.5	712	27261	-53.0	695	27078	-47.8	711	27112	-47.7	711	27130	-49.1	707	27158	18
20	-49.7	684	26338	-50.3	682	26571	-54.7	669	26399	-49.4	685	26418	-47.6	691	26434	-52.7	675	26472	20
25	-54.9	627	24897	-50.6	639	25116	-52.1	635	24963	-54.1	629	24973	-54.7	627	24988	-54.3	629	25039	25
30	-57.0	589	23737	-55.4	594	23946	-57.7	587	23803	-54.6	596	23805	-54.9	595	23825	-55.9	592	23877	30
35	-55.0	569	22753	-55.0	569	22962	-57.6	562	22830	-55.1	569	22820	-55.9	567	22839	-57.3	563	22898	35
40	-56.5	544	21903	-52.5	554	22105	-55.4	547	21985	-55.4	547	21968	-55.1	548	21988	-57.5	541	22054	40
45	-64.6	506	21174	-55.9	528	21345	-56.7	526	21231	-59.6	518	21222	-59.3	519	21242	-59.1	520	21312	45
50	-66.0	488	20533	-61.0	500	20684	-62.6	496	20574	-64.3	492	20571	-60.5	501	20584	-61.4	499	20655	50
55	-67.2	472	19957	-62.5	483	20094	-65.8	475	19991	-68.5	469	19994	-61.5	485	19992	-63.5	481	20067	55
60	-68.4	458	19433	-63.7	468	19559	-67.4	460	19465	-68.5	458	19473	-65.1	465	19456	-66.6	462	19536	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. PALMYRA ISLAND

P	3/ 6 6 5 GMT			3/ 6 2340 GMT			3/ 7 542 GMT			3/ 9 1125 GMT			3/ 9 2350 GMT			3/10 1135 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-35.2	1154	37231	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-38.3	1069	35686	5
6	0.0	0	0	0.0	0	0	-38.4	1014	34484	0.0	0	0	0.0	0	0	-40.8	1004	34438	6
7	0.0	0	0	-37.8	973	33635	-41.7	957	33431	-38.0	972	33425	-32.9	993	33643	-40.9	960	33390	7
8	0.0	0	0	-39.1	931	32717	-44.5	910	32531	-38.8	932	32507	-34.6	949	32707	-40.9	924	32481	8
9	0.0	0	0	-40.3	896	31912	-45.6	876	31745	-39.5	899	31699	-39.6	898	31893	-41.0	893	31680	9
10	0.0	0	0	-41.3	865	31195	-46.5	846	31044	-40.1	870	30979	-39.9	871	31173	-43.6	857	30968	10
12	-44.2	811	29824	-43.9	812	29968	-45.4	807	29824	-44.0	812	29745	-42.2	818	29934	-44.9	809	29746	12
14	-44.5	775	28791	-46.6	768	28939	-48.9	760	28804	-47.3	766	28718	-44.0	777	28890	-48.5	762	28720	14
16	-45.7	742	27899	-47.7	736	28056	-47.9	735	27925	-51.6	723	27849	-44.4	747	27993	-48.3	734	27847	16
18	-46.7	714	27116	-48.6	708	27280	-49.6	705	27151	-50.4	703	27083	-45.8	717	27207	-51.0	701	27077	18
20	-50.5	682	26423	-49.0	686	26588	-51.1	680	26464	-55.5	666	26403	-48.6	687	26508	-53.5	672	26395	20
25	-57.3	620	24994	-53.5	631	25129	-55.5	625	25020	-54.6	628	24973	-54.7	627	25066	-53.6	631	24960	25
30	-58.0	586	23843	-56.1	592	23966	-59.7	582	23867	-55.8	592	23809	-56.0	592	23904	-58.0	587	23794	30
35	-58.7	560	22874	-56.3	566	22987	-58.9	559	22902	-56.9	564	22831	-58.5	560	22926	-58.2	561	22824	35
40	-59.2	537	22036	-56.3	544	22138	-61.6	531	22069	-57.8	541	21987	-58.0	540	22086	-58.5	539	21984	40
45	-61.2	515	21299	-59.6	518	21395	-60.8	516	21338	-58.6	521	21245	-60.7	516	21345	-62.7	511	21250	45
50	-61.2	499	20645	-63.3	494	20742	-65.6	489	20689	-62.3	497	20587	-59.8	502	20684	-62.9	495	20601	50
55	-61.2	486	20054	-65.6	476	20160	-67.9	471	20113	-64.4	479	20003	-61.8	485	20093	-63.0	482	20015	55
60	-61.2	474	19514	-63.9	468	19629	-68.1	459	19591	-65.8	464	19472	-61.9	472	19554	-66.1	463	19481	60

P	3/10 2335 GMT			3/11 1810 GMT			3/11 2355 GMT			3/12 1155 GMT			3/12 2351 GMT			3/16 1130 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-31.1	1174	37460	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-32.9	1093	35884	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-37.1	1020	34613	0.0	0	0	6
7	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-38.3	971	33550	0.0	0	0	7
8	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-39.3	930	32633	0.0	0	0	8
9	-41.6	891	31809	0.0	0	0	0.0	0	0	0.0	0	0	-43.0	885	31833	0.0	0	0	9
10	-41.8	864	31095	0.0	0	0	-37.8	878	31201	0.0	0	0	-43.9	856	31124	-44.2	855	30981	10
12	-41.6	820	29859	0.0	0	0	-41.4	821	29951	-48.1	797	29766	-42.4	818	29900	-47.2	801	29767	12
14	-41.5	785	28814	0.0	0	0	-46.3	769	28916	-48.0	763	28749	-43.5	779	28865	-45.6	771	28743	14
16	-41.4	756	27908	0.0	0	0	-50.6	726	28037	-50.4	727	27871	-47.7	736	27975	-49.4	730	27861	16
18	-49.3	706	27122	0.0	0	0	-46.7	714	27263	-52.0	698	27108	-50.2	703	27203	-49.3	706	27092	18
20	-53.4	673	26438	0.0	0	0	-47.9	690	26566	-50.9	680	26424	-51.4	679	26517	-49.6	684	26399	20
25	-51.6	636	24996	0.0	0	0	-54.4	628	25122	-53.5	631	24972	-52.7	633	25074	-55.3	626	24963	25
30	-56.4	591	23819	0.0	0	0	-55.2	594	23956	-54.5	596	23802	-51.9	603	23895	-55.7	593	23801	30
35	-61.1	553	22851	0.0	0	0	-56.3	566	22975	-58.4	560	22821	-53.4	573	22897	-56.1	566	22820	35
40	-57.7	541	22015	0.0	0	0	-61.8	531	22134	-63.8	526	21992	-60.5	534	22050	-59.2	537	21975	40
45	-57.1	525	21270	0.0	0	0	-58.6	521	21399	-63.6	509	21269	-62.7	511	21323	-63.6	509	21244	45
50	-57.1	509	20603	-61.4	499	20608	-62.8	496	20742	-63.4	494	20622	-62.4	496	20673	-66.2	488	20603	50
55	-63.7	480	20010	-64.5	478	20022	-61.8	485	20153	-63.2	481	20036	-62.1	484	20084	-67.5	471	20027	55
60	-66.1	463	19476	-66.4	462	19493	-63.9	468	19616	-65.0	465	19503	-64.1	467	19547	-68.7	457	19504	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. PALMYRA ISLAND

P	3/17 1213 GMT			3/17 2317 GMT			3/18 1229 GMT			3/18 2315 GMT			3/19 1145 GMT			3/19 2320 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	7
8	0.0	0	0	0.0	0	0	0.0	0	0	-35.7	945	32659	0.0	0	0	0.0	0	0	8
9	-41.4	892	31758	-41.3	892	31972	0.0	0	0	-36.8	909	31842	0.0	0	0	0.0	0	0	9
10	-41.5	865	31043	-40.2	870	31255	0.0	0	0	-37.8	878	31114	0.0	0	0	0.0	0	0	10
12	-41.3	821	29806	-39.7	827	30010	0.0	0	0	-42.5	817	29870	0.0	0	0	0.0	0	0	12
14	-45.1	773	28768	-43.5	779	28962	0.0	0	0	-43.5	779	28835	-45.7	771	28778	0.0	0	0	14
16	-48.3	734	27882	-46.6	739	28070	0.0	0	0	-49.1	731	27948	-47.1	738	27892	0.0	0	0	16
18	-49.0	707	27104	-49.9	704	27296	0.0	0	0	-49.1	707	27175	-48.3	709	27114	0.0	0	0	18
20	-53.0	674	26419	-51.9	677	26610	0.0	0	0	-49.1	686	26484	-49.4	685	26422	0.0	0	0	20
25	-56.3	623	24995	-52.9	633	25172	-55.3	626	24973	-50.0	641	25026	-51.8	636	24968	0.0	0	0	25
30	-53.8	598	23830	-53.1	600	23994	-56.4	591	23813	-53.7	598	23846	-53.7	598	23791	0.0	0	0	30
35	-54.8	569	22841	-55.4	568	23006	-58.0	561	22837	-57.9	561	22869	-57.9	562	22797	-54.3	571	22899	35
40	-60.0	535	21996	-58.3	539	22156	-62.1	530	22003	-55.9	545	22023	-61.6	531	21968	-54.2	550	22042	40
45	-59.6	518	21260	-58.7	521	21415	-62.9	510	21277	-58.8	520	21279	-62.0	513	21239	-65.5	504	21305	45
50	-64.8	491	20607	-59.0	504	20754	-63.6	494	20629	-58.4	506	20619	-62.3	497	20588	-63.0	495	20660	50
55	-66.9	473	20030	-62.8	482	20162	-61.2	486	20039	-63.2	481	20026	-62.6	483	20000	-61.6	485	20071	55
60	-66.0	463	19504	-66.3	463	19630	-64.8	466	19503	-66.4	462	19496	-62.9	470	19464	-64.1	467	19535	60

P	3/20 2325 GMT			3/21 1210 GMT			3/22 12 0 GMT			3/23 1115 GMT			3/23 2358 GMT			3/24 1155 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	-28.2	1449	42182	-35.1	1408	42062	0.0	0	0	0.0	0	0	0.0	0	0	2
3	-21.0	1328	39667	-32.2	1269	39297	-36.9	1244	39246	0.0	0	0	0.0	0	0	0.0	0	0	3
4	-24.1	1208	37556	-35.0	1155	37279	-38.2	1140	37261	0.0	0	0	0.0	0	0	0.0	0	0	4
5	-26.5	1123	35936	-37.3	1074	35730	-37.9	1071	35725	0.0	0	0	0.0	0	0	0.0	0	0	5
6	-30.4	1049	34629	-39.1	1011	34476	-37.7	1017	34468	0.0	0	0	0.0	0	0	0.0	0	0	6
7	-33.7	990	33541	-40.6	961	33422	-37.5	974	33405	-41.4	958	33425	0.0	0	0	-38.4	970	33305	7
8	-36.5	941	32610	-41.9	920	32515	-41.5	922	32491	-41.1	923	32519	0.0	0	0	-41.2	923	32392	8
9	-39.1	901	31798	-43.7	882	31721	-45.0	878	31698	-40.9	893	31718	-37.0	908	31841	-43.6	883	31596	9
10	-41.3	865	31079	-45.4	850	31016	-45.0	852	30994	-42.3	862	31003	-45.7	849	31126	-45.8	849	30892	10
12	-43.7	813	29848	-46.4	803	29802	-45.0	808	29776	-44.6	810	29777	-41.9	819	29896	-47.3	800	29682	12
14	-45.9	771	28817	-47.3	766	28781	-48.9	760	28750	-46.6	768	28750	-41.9	784	28853	-51.2	752	28668	14
16	-47.8	735	27932	-44.5	746	27896	-47.9	735	27871	-48.3	734	27867	-47.1	738	27958	-51.9	722	27801	16
18	-46.0	717	27152	-44.5	721	27107	-47.1	713	27093	-47.3	713	27090	-46.4	715	27182	-52.6	696	27040	18
20	-49.5	685	26456	-53.2	673	26415	-46.3	694	26394	-50.4	682	26398	-48.6	687	26486	-50.3	682	26355	20
25	-52.0	635	25010	-55.1	626	24991	-55.9	624	24961	-57.0	621	24964	-51.7	636	25021	-52.6	633	24907	25
30	-52.2	602	23828	-53.5	599	23822	-53.9	598	23796	-56.6	590	23809	-57.4	588	23860	-58.0	587	23738	30
35	-54.1	571	22835	-56.5	565	22833	-57.1	564	22817	-56.2	566	22830	-57.4	563	22886	-58.8	559	22768	35
40	-59.2	537	21984	-61.8	531	21996	-59.4	537	21976	-55.9	545	21981	-55.6	546	22039	-59.4	537	21931	40
45	-62.3	512	21251	-63.1	510	21272	-61.8	513	21243	-55.7	528	21231	-55.8	528	21288	-60.0	517	21195	45
50	-65.1	490	20605	-62.1	497	20622	-64.0	493	20594	-68.0	483	20575	-57.4	508	20620	-60.5	501	20538	50
55	-66.4	474	20027	-63.1	482	20033	-65.9	475	20013	-67.9	471	20002	-65.7	476	20032	-61.0	486	19945	55
60	-65.9	464	19500	-66.5	462	19502	-67.7	459	19487	-67.8	459	19479	-65.1	465	19502	-68.1	458	19412	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. PALMYRA ISLAND

P	3/25 1125 GMT			3/25 2337 GMT			3/26 1115 GMT			3/26 2350 GMT			3/27 1150 GMT			3/30 12 0 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	-25.4	1202	37547	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	-30.8	1103	35945	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	-34.6	1031	34662	0.0	0	0	0.0	0	0	0.0	0	0	6
7	-37.8	973	33499	0.0	0	0	-35.8	981	33588	0.0	0	0	0.0	0	0	-36.9	977	33452	7
8	-39.8	928	32583	0.0	0	0	-36.9	940	32662	0.0	0	0	-39.6	929	32624	-40.5	926	32536	8
9	-41.5	891	31781	0.0	0	0	-38.7	902	31849	0.0	0	0	-40.3	896	31820	-41.2	892	31734	9
10	-43.1	859	31069	0.0	0	0	-41.1	866	31130	0.0	0	0	-41.0	867	31102	-41.9	863	31020	10
12	-44.6	810	29844	0.0	0	0	-46.1	804	29904	-39.0	829	29944	-44.5	810	29872	-43.5	814	29789	12
14	-45.8	771	28815	0.0	0	0	-45.9	770	28879	-39.9	791	28890	-45.5	772	28844	-46.4	769	28757	14
16	-46.9	738	27929	0.0	0	0	-45.7	742	27990	-44.5	746	27987	-44.5	746	27952	-49.2	731	27872	16
18	-47.9	711	27150	0.0	0	0	-47.1	713	27207	-48.3	709	27205	-47.3	713	27168	-46.0	717	27094	18
20	-49.4	685	26457	0.0	0	0	-48.4	688	26512	-50.5	682	26516	-49.8	684	26475	-51.8	678	26406	20
25	-52.6	633	25006	-50.4	640	25082	-54.0	629	25051	-55.0	627	25067	-51.0	638	25023	-52.8	633	24966	25
30	-55.3	594	23836	-52.6	601	23893	-53.5	599	23878	-53.3	599	23894	-58.0	587	23863	-51.5	604	23782	30
35	-57.5	563	22857	-57.5	563	22912	-56.0	567	22895	-57.6	562	22911	-58.6	560	22891	-55.6	568	22788	35
40	-58.3	540	22016	-58.5	539	22071	-56.3	545	22046	-59.9	536	22075	-60.3	535	22058	-60.6	534	21948	40
45	-63.3	510	21283	-64.4	507	21340	-56.5	526	21299	-59.8	518	21339	-59.0	520	21322	-61.0	515	21216	45
50	-62.6	496	20635	-63.7	493	20695	-63.9	493	20637	-63.1	495	20683	-57.9	507	20660	-61.3	499	20562	50
55	-64.0	479	20050	-63.0	482	20110	-66.7	473	20059	-66.0	475	20103	-64.2	479	20066	-61.6	485	19971	55
60	-65.4	465	19518	-62.4	471	19573	-67.2	460	19534	-65.6	464	19575	-66.1	463	19537	-64.6	466	19433	60

P	3/31 2331 GMT			4/ 1 2353 GMT			4/ 2 1123 GMT			4/ 3 1150 GMT			4/ 3 2353 GMT			4/ 5 2332 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-24.1	1208	37760	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-26.3	1124	36140	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-28.0	1059	34826	0.0	0	0	6
7	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-29.5	1007	33723	0.0	0	0	7
8	0.0	0	0	0.0	0	0	-37.5	938	32634	0.0	0	0	-36.8	940	32784	0.0	0	0	8
9	0.0	0	0	0.0	0	0	-39.0	901	31824	0.0	0	0	-37.1	908	31970	0.0	0	0	9
10	0.0	0	0	0.0	0	0	-40.4	869	31104	0.0	0	0	-37.3	880	31242	0.0	0	0	10
12	0.0	0	0	0.0	0	0	-44.7	809	29872	0.0	0	0	-39.5	828	29994	-39.2	829	29943	12
14	0.0	0	0	-39.1	794	28969	-46.4	769	28847	0.0	0	0	-39.8	791	28937	-42.4	782	28894	14
16	0.0	0	0	-41.3	757	28058	-47.9	735	27962	-47.0	738	28041	-44.9	745	28032	-44.6	746	27992	16
18	0.0	0	0	-43.3	725	27261	-50.7	702	27190	-43.8	724	27256	-42.7	727	27241	-48.2	710	27212	18
20	-52.2	676	26598	-44.5	700	26554	-53.3	673	26507	-48.5	688	26555	-47.7	690	26541	-50.0	683	26521	20
25	-52.4	634	25156	-53.4	631	25079	-55.3	626	25062	-50.0	641	25091	-48.4	646	25070	-51.7	636	25064	25
30	-50.2	608	23972	-58.0	587	23924	-53.8	598	23895	-49.4	610	23898	-53.4	599	23884	-51.2	605	23884	30
35	-53.3	574	22977	-54.6	570	22941	-54.2	571	22904	-58.3	560	22905	-57.6	562	22901	-55.7	567	22892	35
40	-53.0	553	22116	-53.2	552	22082	-58.2	540	22052	-59.7	536	22071	-59.9	535	22064	-59.5	536	22049	40
45	-56.8	525	21366	-54.3	531	21326	-58.7	521	21312	-60.1	517	21334	-60.2	517	21329	-62.9	510	21318	45
50	-59.5	503	20700	-63.3	494	20664	-60.7	500	20651	-61.9	498	20679	-60.5	501	20672	-65.1	490	20674	50
55	-62.0	484	20109	-67.5	471	20087	-65.4	476	20067	-63.6	480	20092	-62.7	482	20081	-63.7	480	20091	55
60	-63.2	469	19572	-65.9	463	19561	-65.5	464	19538	-65.1	465	19560	-62.4	471	19545	-63.1	470	19556	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. PALMYRA ISLAND

P	4/ 6 1115 GMT			4/ 6 2349 GMT			4/ 7 1138 GMT			4/ 8 051 GMT			4/ 8 1138 GMT			4/ 8 2240 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-30.8	1276	39547	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-33.4	1163	37516	0.0	0	0	4
5	0.0	0	0	-30.7	1103	36242	0.0	0	0	0.0	0	0	-35.4	1082	35956	0.0	0	0	5
6	0.0	0	0	-32.2	1041	34951	-34.4	1031	34760	0.0	0	0	-37.0	1020	34691	-36.5	1022	34655	6
7	0.0	0	0	-33.5	991	33866	-35.9	981	33685	0.0	0	0	-38.4	970	33628	-37.6	974	33589	7
8	0.0	0	0	-34.6	949	32931	-37.2	939	32760	-32.9	956	32957	-39.6	929	32712	-38.5	934	32670	8
9	-31.3	930	31989	-35.5	914	32110	-38.3	903	31948	-34.7	917	32131	-40.7	894	31908	-39.3	900	31861	9
10	-34.1	892	31247	-36.4	884	31378	-39.3	873	31225	-36.4	884	31398	-41.6	864	31192	-40.0	870	31141	10
12	-39.4	828	29993	-36.7	838	30115	-44.8	809	29983	-36.5	838	30134	-43.6	813	29964	-41.0	823	29899	12
14	-43.3	779	28940	-36.9	801	29048	-44.2	776	28951	-39.0	794	29069	-43.4	779	28928	-44.3	776	28858	14
16	-47.3	737	28053	-39.4	763	28126	-46.5	740	28057	-43.3	750	28162	-43.3	750	28029	-47.2	737	27969	16
18	-47.0	714	27274	-43.8	724	27328	-48.4	709	27281	-45.9	717	27370	-47.9	711	27244	-45.7	718	27187	18
20	-46.6	693	26575	-47.8	690	26626	-47.7	690	26586	-49.4	685	26676	-48.5	688	26553	-51.0	680	26496	20
25	-53.8	630	25113	-48.3	646	25155	-51.6	636	25118	-49.4	643	25213	-51.7	636	25099	-54.6	628	25056	25
30	-54.9	595	23938	-55.0	595	23966	-50.7	606	23933	-52.9	601	24032	-55.1	595	23926	-54.4	596	23891	30
35	-55.8	567	22960	-57.6	562	22993	-57.6	562	22934	-49.6	583	23030	-55.7	567	22943	-53.5	573	22901	35
40	-53.0	553	22105	-57.0	543	22149	-58.8	538	22093	-54.8	548	22161	-56.2	545	22094	-55.0	548	22042	40
45	-58.3	522	21355	-56.4	526	21403	-59.9	518	21356	-58.2	522	21413	-56.6	526	21346	-59.6	518	21298	45
50	-63.1	495	20699	-62.0	497	20742	-60.8	500	20699	-61.2	499	20755	-61.5	499	20683	-63.8	493	20645	50
55	-66.3	474	20119	-66.1	475	20160	-63.7	480	20109	-64.0	479	20167	-65.5	476	20099	-67.5	471	20066	55
60	-64.8	466	19590	-66.3	463	19633	-67.6	460	19581	-65.9	463	19637	-67.2	461	19572	-65.2	465	19539	60

P	4/ 9 1115 GMT			4/ 9 2326 GMT			4/10 1123 GMT			4/11 1142 GMT			4/11 2321 GMT			4/12 1137 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	-43.2	951	33637	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	7
8	-40.6	925	32733	0.0	0	0	0.0	0	0	-35.1	947	32705	-31.0	963	32898	0.0	0	0	8
9	-41.1	893	31932	0.0	0	0	-40.9	893	31855	-36.6	910	31887	-32.4	926	32065	0.0	0	0	9
10	-41.5	865	31216	0.0	0	0	-40.5	868	31138	-38.0	878	31159	-33.7	894	31324	0.0	0	0	10
12	-40.8	823	29978	0.0	0	0	-42.5	817	29901	-42.9	816	29920	-38.4	832	30058	0.0	0	0	12
14	-46.5	769	28944	0.0	0	0	-44.3	776	28864	-44.5	775	28884	-40.1	790	28999	0.0	0	0	14
16	-45.3	744	28059	-47.8	736	27975	-45.8	742	27972	-49.6	729	28000	-44.3	747	28096	0.0	0	0	16
18	-45.7	718	27274	-48.0	710	27200	-47.1	713	27190	-48.8	708	27228	-47.9	711	27308	0.0	0	0	18
20	-46.0	695	26573	-45.1	698	26501	-47.3	691	26494	-49.9	683	26536	-50.3	682	26617	-50.4	682	26503	20
25	-49.5	642	25095	-52.1	635	25028	-49.0	644	25016	-53.0	632	25092	-49.6	642	25158	-54.6	628	25064	25
30	-52.8	601	23912	-55.1	594	23860	-55.0	595	23835	-53.4	599	23918	-51.1	605	23973	-54.9	595	23898	30
35	-54.3	571	22919	-55.5	568	22874	-58.7	559	22861	-53.7	572	22927	-53.9	572	22975	-55.0	569	22913	35
40	-55.3	547	22065	-60.9	533	22036	-57.0	543	22019	-59.4	537	22080	-57.6	541	22126	-57.1	543	22062	40
45	-56.1	527	21315	-61.0	515	21304	-56.2	527	21271	-60.7	516	21345	-57.0	525	21381	-60.0	517	21322	45
50	-59.7	503	20650	-61.1	500	20649	-61.5	499	20609	-61.9	498	20691	-61.4	499	20721	-61.7	498	20667	50
55	-64.9	477	20060	-61.2	486	20058	-64.4	479	20022	-63.0	482	20103	-61.8	484	20130	-63.0	482	20079	55
60	-69.5	455	19539	-65.3	465	19522	-67.0	461	19494	-64.0	468	19569	-64.7	466	19595	-64.1	467	19545	60



LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. PALMYRA ISLAND

P	4/13 1150 GMT			4/14 1115 GMT			4/14 2344 GMT			4/15 1147 GMT			4/15 2240 GMT			4/16 1148 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	-35.4	1082	35763	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	-39.5	1009	34504	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	0.0	0	0	-40.0	964	33450	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	7
8	0.0	0	0	-40.4	926	32539	0.0	0	0	0.0	0	0	0.0	0	0	-34.2	951	32651	8
9	-39.6	899	31843	-40.8	894	31737	0.0	0	0	0.0	0	0	-36.7	910	31890	-36.3	911	31830	9
10	-40.8	867	31124	-41.1	866	31021	-35.6	887	31291	0.0	0	0	-39.0	874	31164	-38.2	877	31102	10
12	-42.3	818	29886	-45.1	808	29792	-38.6	831	30031	-44.7	809	29864	-43.8	813	29926	-40.9	823	29855	12
14	-45.8	771	28852	-48.5	762	28770	-43.8	777	28984	-45.7	771	28835	-47.8	764	28900	-43.3	779	28812	14
16	-46.1	741	27966	-47.1	738	27889	-45.2	744	28090	-46.5	740	27947	-48.3	734	28019	-45.3	744	27917	16
18	-47.2	713	27182	-49.7	705	27117	-49.5	706	27311	-44.9	720	27165	-46.6	715	27241	-49.3	706	27138	18
20	-49.5	685	26490	-48.5	688	26426	-49.0	686	26620	-47.3	691	26460	-47.2	692	26546	-49.3	685	26447	20
25	-50.2	640	25031	-51.5	637	24964	-47.9	647	25151	-52.0	635	25007	-52.5	634	25082	-52.1	635	24986	25
30	-54.7	596	23850	-56.3	591	23784	-51.1	605	23963	-53.0	600	23829	-52.9	600	23905	-52.1	603	23806	30
35	-59.3	558	22874	-58.7	559	22810	-54.3	571	22964	-55.0	569	22838	-56.6	565	22924	-55.5	568	22811	35
40	-59.3	537	22040	-60.9	533	21976	-59.4	537	22118	-58.5	539	21992	-56.4	544	22077	-58.9	538	21970	40
45	-58.4	521	21300	-61.8	513	21246	-58.2	522	21379	-61.6	514	21257	-60.7	516	21335	-59.0	520	21231	45
50	-59.3	504	20638	-61.4	499	20594	-58.7	505	20716	-62.7	496	20606	-65.6	489	20687	-63.3	494	20577	50
55	-61.4	485	20044	-61.7	485	20002	-59.5	490	20119	-63.3	481	20020	-63.8	480	20106	-67.1	472	19996	55
60	-63.3	469	19507	-64.7	466	19467	-62.7	471	19577	-63.8	468	19486	-63.4	469	19571	-65.5	464	19469	60

P	4/18 1147 GMT			4/18 2339 GMT			4/19 1210 GMT			4/19 2328 GMT			4/20 1143 GMT			4/20 2324 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-37.0	1020	34563	0.0	0	0	6
7	-39.4	966	33498	0.0	0	0	0.0	0	0	0.0	0	0	-39.4	966	33502	-34.7	986	33644	7
8	-40.6	925	32586	-35.2	947	32741	-39.3	930	32710	0.0	0	0	-41.4	922	32592	-34.9	948	32712	8
9	-41.7	890	31786	-37.6	906	31924	-39.7	898	31904	-36.8	909	31927	-42.2	888	31794	-35.1	916	31891	9
10	-42.7	860	31073	-39.7	871	31201	-40.1	870	31184	-39.0	874	31201	-43.0	859	31083	-35.3	888	31157	10
12	-44.6	810	29843	-42.8	816	29962	-42.8	816	29947	-40.8	823	29960	-43.4	814	29855	-38.4	832	29895	12
14	-44.5	775	28817	-43.7	778	28926	-47.0	767	28924	-44.2	776	28913	-43.7	778	28818	-44.6	775	28849	14
16	-48.1	734	27930	-46.7	739	28031	-45.1	744	28035	-45.9	741	28027	-47.4	737	27930	-45.8	742	27958	16
18	-51.3	700	27159	-48.6	708	27254	-47.0	713	27252	-50.5	702	27243	-49.0	707	27154	-48.5	709	27179	18
20	-51.8	678	26477	-48.7	687	26562	-48.7	687	26557	-52.4	676	26559	-48.7	687	26462	-48.3	688	26487	20
25	-50.0	641	25018	-51.5	637	25100	-54.0	629	25103	-49.7	642	25108	-54.1	629	25013	-53.2	632	25041	25
30	-58.2	586	23848	-56.4	591	23922	-57.4	588	23950	-53.0	600	23918	-52.2	602	23838	-54.1	597	23866	30
35	-57.0	564	22875	-55.4	568	22941	-56.6	565	22973	-57.5	562	22936	-54.8	570	22844	-57.4	563	22885	35
40	-57.9	540	22029	-58.8	538	22094	-57.8	541	22129	-59.2	537	22096	-60.2	535	21999	-60.2	535	22046	40
45	-61.7	513	21293	-60.2	517	21359	-58.9	520	21388	-58.5	521	21358	-63.6	509	21271	-60.5	516	21311	45
50	-65.0	490	20646	-59.8	503	20702	-59.8	503	20728	-61.0	500	20702	-65.6	489	20628	-64.8	491	20663	50
55	-64.4	479	20064	-60.2	488	20106	-65.3	476	20140	-60.0	489	20108	-63.9	480	20046	-66.0	475	20083	55
60	-65.4	465	19532	-63.7	468	19568	-66.5	462	19612	-65.6	464	19571	-64.1	467	19514	-67.0	461	19556	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB.

PALMYRA ISLAND

	4/21 1142 GMT			4/21 2231 GMT																		
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	-38.6	1067	35763	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	-37.3	1019	34507	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	-41.7	957	33452	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	7
8	-41.6	921	32547	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	8
9	-41.4	891	31748	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	9
10	-41.3	865	31032	-37.5	880	31217	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	10
12	-42.0	819	29796	-41.7	820	29970	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	12
14	-48.5	762	28768	-45.3	772	28933	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	14
16	-47.0	738	27886	-47.1	738	28047	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	16
18	-53.4	693	27117	-47.4	712	27268	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	18
20	-51.2	679	26436	-45.1	698	26570	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	20
25	-52.3	634	24985	-52.5	634	25105	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	25
30	-54.4	596	23811	-57.3	588	23940	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	30
35	-56.2	566	22828	-58.3	560	22972	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	35
40	-57.8	541	21982	-56.3	544	22127	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	40
45	-63.9	508	21252	-56.3	526	21379	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	45
50	-65.1	490	20608	-60.2	502	20712	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	50
55	-66.2	474	20029	-67.5	471	20130	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	55
60	-67.2	461	19503	-67.3	460	19605	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	60
P	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	P

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. FANNING ISLAND

P	3/ 3 1235 GMT			3/ 3 18 0 GMT			3/ 4 1 0 GMT			3/ 4 1145 GMT			3/ 4 2345 GMT			3/ 5 1215 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	7
8	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-34.7	949	32724	-42.3	919	32550	8
9	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-35.0	916	31902	-42.6	887	31754	9
10	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-37.0	881	31170	-43.0	859	31043	10
12	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-41.8	820	29922	-44.6	810	29818	12
14	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-45.9	771	28887	-46.5	769	28790	14
16	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-49.4	730	28005	-49.8	729	27908	16
18	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-52.5	696	27238	-49.5	706	27137	18
20	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-51.0	680	26558	-49.1	686	26447	20
25	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-55.1	626	25112	-55.4	626	25004	25
30	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-56.9	590	23952	-57.0	589	23846	30
35	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-55.1	569	22973	-58.1	561	22873	35
40	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-54.9	548	22118	-57.4	542	22031	40
45	0.0	0	0	0.0	0	0	-59.6	518	21343	0.0	0	0	-58.9	520	21372	-56.8	525	21285	45
50	-61.6	498	20600	-59.6	503	20642	-62.5	496	20689	-65.1	490	20549	-62.0	497	20716	-63.0	495	20630	50
55	-64.4	478	20014	-61.3	486	20048	-63.5	481	20102	-66.8	473	19971	-62.2	483	20127	-65.3	476	20046	55
60	-67.9	459	19486	-65.7	464	19512	-66.8	461	19573	-68.4	458	19447	-62.6	471	19590	-66.4	462	19517	60

P	3/ 5 2345 GMT			3/ 6 1135 GMT			3/ 7 019 GMT			3/ 8 0 5 GMT			3/ 8 1840 GMT			3/ 8 2249 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	7
8	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	8
9	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	9
10	-41.3	865	31064	-42.9	859	30982	0.0	0	0	-41.7	864	31110	0.0	0	0	0.0	0	0	10
12	-43.6	813	29832	-44.6	810	29750	0.0	0	0	-45.0	808	29883	0.0	0	0	0.0	0	0	12
14	-45.5	772	28800	-48.0	763	28729	0.0	0	0	-47.2	766	28858	0.0	0	0	0.0	0	0	14
16	-47.2	737	27913	-48.6	733	27850	0.0	0	0	-49.1	731	27979	0.0	0	0	0.0	0	0	16
18	-48.7	708	27136	-49.1	707	27076	0.0	0	0	-49.9	704	27208	0.0	0	0	0.0	0	0	18
20	-50.0	683	26445	-49.5	685	26385	0.0	0	0	-49.8	684	26519	0.0	0	0	0.0	0	0	20
25	-57.6	619	25012	-56.0	624	24941	0.0	0	0	-51.3	637	25059	0.0	0	0	0.0	0	0	25
30	-55.8	593	23856	-56.5	591	23783	0.0	0	0	-56.8	590	23894	0.0	0	0	0.0	0	0	30
35	-55.6	567	22873	-56.9	564	22806	0.0	0	0	-56.4	566	22918	0.0	0	0	0.0	0	0	35
40	-57.6	541	22026	-57.3	542	21961	0.0	0	0	-57.9	540	22070	0.0	0	0	0.0	0	0	40
45	-59.3	519	21285	-61.7	513	21221	-59.5	519	21250	-61.0	515	21334	0.0	0	0	0.0	0	0	45
50	-60.8	500	20627	-66.9	486	20578	-64.2	492	20596	-61.0	500	20680	-60.8	500	20691	-57.3	508	20629	50
55	-63.1	481	20037	-65.9	475	20001	-65.1	477	20018	-65.1	477	20093	-65.6	476	20106	-64.6	478	20036	55
60	-68.1	458	19509	-66.0	463	19473	-63.3	469	19485	-67.8	459	19567	-67.8	459	19579	-71.3	451	19514	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. FANNING ISLAND

P	3/ 9 1240 GMT			3/10 12 0 GMT			3/10 2045 GMT			3/10 2345 GMT			3/11 9 0 GMT			3/11 1137 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	7
8	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	8
9	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	9
10	0.0	0	0	0.0	0	0	0.0	0	0	-44.3	854	30944	0.0	0	0	0.0	0	0	10
12	0.0	0	0	0.0	0	0	0.0	0	0	-44.4	810	29722	0.0	0	0	0.0	0	0	12
14	0.0	0	0	0.0	0	0	0.0	0	0	-47.4	765	28693	0.0	0	0	0.0	0	0	14
16	0.0	0	0	0.0	0	0	0.0	0	0	-48.0	735	27811	0.0	0	0	0.0	0	0	16
18	0.0	0	0	0.0	0	0	0.0	0	0	-48.5	709	27035	0.0	0	0	0.0	0	0	18
20	0.0	0	0	0.0	0	0	0.0	0	0	-55.1	668	26352	0.0	0	0	0.0	0	0	20
25	0.0	0	0	0.0	0	0	0.0	0	0	-54.8	627	24922	0.0	0	0	0.0	0	0	25
30	0.0	0	0	0.0	0	0	0.0	0	0	-57.7	587	23764	0.0	0	0	0.0	0	0	30
35	0.0	0	0	0.0	0	0	0.0	0	0	-56.5	565	22788	0.0	0	0	0.0	0	0	35
40	0.0	0	0	0.0	0	0	0.0	0	0	-55.4	547	21939	0.0	0	0	0.0	0	0	40
45	0.0	0	0	0.0	0	0	0.0	0	0	-59.8	518	21195	0.0	0	0	-61.5	514	21259	45
50	-60.1	502	20642	-62.0	497	20615	-61.7	498	20695	-62.2	497	20541	-62.3	497	20577	-62.8	496	20608	50
55	-64.5	478	20053	-63.8	480	20028	-63.1	482	20106	-65.0	477	19956	-62.4	483	19989	-63.6	480	20022	55
60	-68.5	458	19527	-65.4	465	19496	-64.3	467	19573	-65.8	464	19427	-66.4	462	19454	-64.1	467	19489	60

P	3/11 2353 GMT			3/12 1150 GMT			3/12 2345 GMT			3/13 1242 GMT			3/15 1121 GMT			3/16 0 0 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	7
8	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	8
9	0.0	0	0	-41.6	891	31634	-42.9	886	31692	0.0	0	0	0.0	0	0	0.0	0	0	9
10	0.0	0	0	-43.3	858	30921	-43.6	857	30983	0.0	0	0	0.0	0	0	-42.6	861	30960	10
12	0.0	0	0	-43.4	814	29697	-45.8	806	29763	0.0	0	0	0.0	0	0	-47.2	801	29740	12
14	0.0	0	0	-49.5	758	28669	-47.6	765	28740	-49.2	759	28718	0.0	0	0	-52.3	749	28731	14
16	0.0	0	0	-48.8	732	27793	-46.2	741	27857	-48.3	734	27841	0.0	0	0	-52.3	721	27868	16
18	0.0	0	0	-53.1	694	27028	-49.5	706	27075	-51.4	700	27070	0.0	0	0	-52.3	697	27106	18
20	0.0	0	0	-51.6	678	26347	-49.9	683	26386	-53.3	673	26390	0.0	0	0	-53.0	674	26425	20
25	0.0	0	0	-56.0	624	24908	-53.9	630	24940	-55.5	625	24960	0.0	0	0	-55.2	626	24996	25
30	0.0	0	0	-57.5	588	23752	-55.1	594	23776	-57.0	589	23802	0.0	0	0	-54.4	596	23828	30
35	-56.1	566	22927	-58.8	559	22782	-56.8	564	22790	-58.0	561	22827	0.0	0	0	-56.6	565	22845	35
40	-61.1	533	22086	-64.3	524	21949	-62.8	528	21956	-61.9	530	21994	-50.6	559	22138	-55.5	546	21999	40
45	-59.1	520	21352	-61.8	513	21225	-62.6	511	21230	-65.3	505	21271	-58.4	521	21388	-60.2	517	21254	45
50	-58.1	507	20688	-61.0	500	20570	-62.5	496	20580	-64.1	492	20628	-62.8	496	20732	-67.0	486	20608	50
55	-61.7	485	20093	-62.0	484	19979	-62.4	483	19992	-63.0	482	20043	-66.8	473	20148	-67.0	473	20032	55
60	-65.1	465	19559	-64.9	466	19444	-64.2	467	19456	-62.1	472	19506	-66.9	461	19622	-67.4	460	19507	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. FANNING ISLAND

P	3/16 1240 GMT			3/16 2345 GMT			3/17 1119 GMT			3/17 2345 GMT			3/18 13 8 GMT			3/18 2340 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	7
8	-40.9	924	32609	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	8
9	-42.1	889	31810	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	9
10	-43.2	858	31098	0.0	0	0	-42.0	863	31020	0.0	0	0	0.0	0	0	0.0	0	0	10
12	-45.7	806	29877	0.0	0	0	-44.8	809	29793	0.0	0	0	0.0	0	0	0.0	0	0	12
14	-47.9	764	28856	0.0	0	0	-46.5	769	28767	0.0	0	0	0.0	0	0	0.0	0	0	14
16	-45.0	744	27969	0.0	0	0	-47.1	738	27882	0.0	0	0	0.0	0	0	0.0	0	0	16
18	-48.2	710	27188	0.0	0	0	-50.6	702	27106	-49.8	705	27258	0.0	0	0	0.0	0	0	18
20	-51.2	680	26498	0.0	0	0	-50.5	682	26419	-51.9	677	26571	0.0	0	0	0.0	0	0	20
25	-54.3	628	25060	0.0	0	0	-54.9	627	24990	-52.5	634	25127	0.0	0	0	0.0	0	0	25
30	-55.5	593	23896	0.0	0	0	-54.3	597	23821	-54.0	597	23953	0.0	0	0	0.0	0	0	30
35	-53.6	573	22910	0.0	0	0	-57.5	562	22840	-59.7	557	22975	0.0	0	0	0.0	0	0	35
40	-56.0	545	22052	-54.1	550	21991	-58.4	539	22000	-58.6	539	22141	-60.0	535	21999	0.0	0	0	40
45	-60.7	516	21312	-56.3	526	21236	-57.9	523	21259	-58.3	522	21398	-60.8	515	21265	0.0	0	0	45
50	-65.0	490	20663	-60.8	500	20574	-61.7	498	20600	-61.7	498	20740	-58.5	506	20607	-60.6	501	20816	50
55	-67.6	471	20086	-64.9	477	19987	-64.2	479	20014	-64.1	479	20154	-63.4	481	20015	-59.8	489	20222	55
60	-68.5	458	19564	-68.6	457	19461	-65.9	463	19484	-64.1	467	19621	-67.9	459	19486	-63.1	470	19679	60

P	3/19 1115 GMT			3/20 0 7 GMT			3/20 1138 GMT			3/20 2330 GMT			3/21 12 1 GMT			3/21 2338 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	7
8	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	8
9	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	9
10	-43.9	856	30987	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	10
12	-45.0	808	29766	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	12
14	-45.9	771	28738	0.0	0	0	0.0	0	0	0.0	0	0	-47.0	767	28807	0.0	0	0	14
16	-46.6	739	27851	0.0	0	0	0.0	0	0	0.0	0	0	-48.0	735	27924	0.0	0	0	16
18	-51.1	701	27074	-49.1	707	27153	0.0	0	0	0.0	0	0	-48.9	708	27149	-45.5	718	27156	18
20	-51.7	678	26389	-51.4	679	26468	0.0	0	0	0.0	0	0	-46.2	695	26453	-44.2	701	26452	20
25	-54.7	627	24949	-49.7	642	25015	0.0	0	0	0.0	0	0	-55.6	625	24990	-54.5	628	25005	25
30	-58.0	586	23788	-54.6	596	23837	0.0	0	0	0.0	0	0	-53.4	599	23822	-53.2	600	23832	30
35	-58.8	559	22824	-57.6	562	22853	0.0	0	0	0.0	0	0	-55.4	568	22835	-53.8	572	22842	35
40	-59.6	536	21985	-58.9	538	22012	0.0	0	0	0.0	0	0	-59.8	536	21989	-59.0	538	21994	40
45	-62.0	513	21252	-62.8	511	21280	0.0	0	0	-61.4	514	21300	-63.2	510	21261	-63.6	509	21265	45
50	-64.1	492	20604	-62.5	496	20631	-66.3	487	20579	-63.7	493	20651	-64.5	492	20615	-63.6	494	20618	50
55	-66.1	475	20023	-62.8	482	20042	-63.7	480	19998	-64.0	479	20067	-65.6	476	20034	-64.9	477	20034	55
60	-67.8	459	19498	-67.3	460	19513	-65.1	465	19466	-64.2	467	19534	-66.0	463	19506	-65.3	465	19505	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. FANNING ISLAND

P	3/22 1145 GMT			3/23 00 GMT			3/23 1200 GMT			3/24 020 GMT			3/24 1215 GMT			3/25 10 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	7
8	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	8
9	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	9
10	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-41.2	866	30967	0.0	0	0	10
12	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-45.0	808	29738	0.0	0	0	12
14	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-47.2	766	28710	0.0	0	0	14
16	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-48.7	732	27833	0.0	0	0	16
18	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-47.4	712	27056	0.0	0	0	18
20	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-48.7	687	26362	-47.7	690	26441	20
25	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-51.5	637	24904	-53.1	632	24985	25
30	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-56.2	592	23731	-55.9	592	23819	30
35	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-58.7	559	22757	-57.4	563	22842	35
40	0.0	0	0	-53.5	552	22094	0.0	0	0	0.0	0	0	-60.9	533	21923	-58.7	539	22001	40
45	0.0	0	0	-54.2	532	21338	-57.7	523	21184	-53.2	534	21397	-60.8	515	21190	-59.8	518	21263	45
50	-65.9	488	20472	-63.9	493	20671	-66.4	487	20532	-63.6	494	20730	-60.8	500	20535	-61.7	498	20607	50
55	-63.9	480	19891	-65.9	475	20090	-68.4	469	19961	-68.2	470	20155	-61.1	486	19942	-64.0	479	20020	55
60	-67.8	459	19362	-63.7	468	19559	-66.5	462	19437	-68.5	458	19634	-63.5	469	19404	-67.1	461	19491	60

P	3/25 1239 GMT			3/25 2334 GMT			3/27 153 GMT			3/27 1155 GMT			3/27 2348 GMT			3/28 1145 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	7
8	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	8
9	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-37.0	908	31813	9
10	0.0	0	0	0.0	0	0	0.0	0	0	-39.3	873	31039	-37.3	880	31237	-40.7	868	31090	10
12	0.0	0	0	0.0	0	0	0.0	0	0	-43.6	813	29802	-41.7	820	29993	-41.9	819	29852	12
14	0.0	0	0	0.0	0	0	0.0	0	0	-47.3	766	28774	-43.0	780	28951	-45.8	771	28813	14
16	0.0	0	0	0.0	0	0	0.0	0	0	-48.2	734	27892	-42.0	754	28049	-46.2	740	27927	16
18	0.0	0	0	0.0	0	0	0.0	0	0	-49.0	707	27118	-46.1	716	27254	-47.5	712	27146	18
20	0.0	0	0	0.0	0	0	0.0	0	0	-48.5	688	26424	-48.1	689	26557	-48.6	687	26452	20
25	0.0	0	0	0.0	0	0	0.0	0	0	-51.2	637	24965	-50.2	640	25097	-51.0	638	24992	25
30	0.0	0	0	0.0	0	0	0.0	0	0	-56.8	590	23808	-56.6	590	23912	-57.4	588	23834	30
35	0.0	0	0	0.0	0	0	0.0	0	0	-57.6	562	22831	-57.5	563	22936	-58.0	561	22860	35
40	0.0	0	0	-56.7	543	22107	0.0	0	0	-59.9	535	21993	-59.9	535	22096	-60.0	535	22023	40
45	0.0	0	0	-61.2	515	21370	-53.6	533	21312	-60.8	516	21261	-61.4	514	21365	-61.7	513	21290	45
50	-65.0	490	20529	-62.5	496	20718	-60.0	502	20644	-61.8	498	20602	-60.3	501	20710	-62.2	497	20640	50
55	-63.8	480	19946	-63.6	480	20131	-67.5	471	20063	-64.1	479	20016	-61.7	485	20115	-65.4	476	20052	55
60	-64.5	467	19412	-64.7	466	19599	-69.3	456	19542	-66.3	463	19486	-64.5	467	19582	-69.2	456	19528	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. FANNING ISLAND

P	3/28 2350 GMT			3/29 1210 GMT			3/29 2356 GMT			3/30 1212 GMT			3/30 1745 GMT			3/31 0 4 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	7
8	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	8
9	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	9
10	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-35.9	886	31082	10
12	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-43.1	815	29835	12
14	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-44.6	775	28805	14
16	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-45.6	743	27909	16
18	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-46.7	714	27129	18
20	-47.9	690	26532	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-49.6	684	26431	20
25	-50.7	639	25064	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-51.7	636	24976	25
30	-54.2	597	23884	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-53.3	599	23798	30
35	-59.2	558	22912	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-54.7	570	22809	35
40	-61.1	532	22079	0.0	0	0	-60.8	533	22081	0.0	0	0	0.0	0	0	-54.4	549	21952	40
45	-62.8	511	21351	0.0	0	0	-61.2	515	21351	0.0	0	0	0.0	0	0	-61.8	513	21210	45
50	-62.0	497	20701	-61.8	498	20595	-60.8	500	20695	-63.4	494	20563	-61.6	498	20736	-62.6	496	20561	50
55	-60.8	487	20110	-64.3	479	20006	-63.6	480	20106	-60.5	487	19973	-62.2	484	20146	-61.8	484	19973	55
60	-64.2	467	19571	-70.1	454	19482	-67.6	460	19578	-65.1	465	19437	-62.8	470	19609	-61.1	474	19433	60

P	4/ 1 1835 GMT			4/ 1 2320 GMT			4/ 2 1126 GMT			4/ 2 1730 GMT			4/ 2 2320 GMT			4/ 3 1214 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	-36.0	980	33607	0.0	0	0	0.0	0	0	0.0	0	0	7
8	0.0	0	0	0.0	0	0	-37.5	938	32683	0.0	0	0	0.0	0	0	0.0	0	0	8
9	0.0	0	0	0.0	0	0	-38.7	902	31872	0.0	0	0	0.0	0	0	0.0	0	0	9
10	0.0	0	0	0.0	0	0	-39.9	871	31151	0.0	0	0	-36.5	883	31258	0.0	0	0	10
12	0.0	0	0	0.0	0	0	-41.4	821	29909	0.0	0	0	-39.2	829	30002	0.0	0	0	12
14	0.0	0	0	0.0	0	0	-42.6	782	28866	0.0	0	0	-40.4	789	28949	0.0	0	0	14
16	0.0	0	0	0.0	0	0	-46.4	740	27971	0.0	0	0	-41.0	757	28040	0.0	0	0	16
18	0.0	0	0	0.0	0	0	-47.2	713	27191	0.0	0	0	-46.8	714	27249	0.0	0	0	18
20	0.0	0	0	0.0	0	0	-48.0	689	26495	0.0	0	0	-48.4	688	26552	0.0	0	0	20
25	0.0	0	0	0.0	0	0	-49.6	642	25029	0.0	0	0	-54.2	629	25097	0.0	0	0	25
30	0.0	0	0	0.0	0	0	-55.6	593	23852	0.0	0	0	-57.4	588	23946	0.0	0	0	30
35	0.0	0	0	0.0	0	0	-59.9	556	22879	0.0	0	0	-58.2	561	22974	0.0	0	0	35
40	0.0	0	0	-55.9	546	22028	-57.7	541	22041	0.0	0	0	-58.9	538	22135	0.0	0	0	40
45	0.0	0	0	-59.1	520	21283	-56.1	527	21295	0.0	0	0	-59.5	519	21397	0.0	0	0	45
50	-62.0	497	20638	-63.7	493	20632	-54.6	515	20623	-57.0	509	20581	-59.2	504	20735	-59.7	503	20592	50
55	-61.6	485	20048	-63.8	480	20048	-56.5	497	20013	-62.8	482	19988	-62.4	483	20142	-65.2	477	20004	55
60	-63.5	469	19511	-63.9	468	19514	-63.0	470	19469	-64.1	467	19453	-61.5	473	19605	-65.5	464	19476	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. FANNING ISLAND

P	4/ 3 2350 GMT			4/ 4 1140 GMT			4/ 4 1745 GMT			4/ 4 2330 GMT			4/ 5 1115 GMT			4/ 5 18 0 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	7
8	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-38.5	934	32563	0.0	0	0	8
9	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-39.0	901	31755	0.0	0	0	9
10	0.0	0	0	-39.6	872	31018	0.0	0	0	-38.0	878	31212	-39.5	872	31033	0.0	0	0	10
12	0.0	0	0	-42.8	816	29779	0.0	0	0	-41.2	822	29968	-43.2	815	29795	0.0	0	0	12
14	0.0	0	0	-45.4	772	28745	0.0	0	0	-42.2	783	28923	-46.3	769	28764	0.0	0	0	14
16	0.0	0	0	-47.8	736	27859	0.0	0	0	-45.0	744	28023	-47.5	736	27879	0.0	0	0	16
18	0.0	0	0	-49.8	705	27085	0.0	0	0	-45.9	717	27234	-48.4	709	27103	0.0	0	0	18
20	0.0	0	0	-48.1	689	26394	0.0	0	0	-50.3	682	26540	-49.2	686	26410	0.0	0	0	20
25	0.0	0	0	-52.9	632	24958	0.0	0	0	-49.9	641	25089	-53.3	631	24957	0.0	0	0	25
30	0.0	0	0	-53.1	600	23778	0.0	0	0	-50.3	608	23898	-54.8	595	23787	0.0	0	0	30
35	0.0	0	0	-61.5	552	22803	0.0	0	0	-57.8	562	22902	-56.0	566	22804	0.0	0	0	35
40	0.0	0	0	-61.3	532	21975	0.0	0	0	-59.9	535	22064	-60.8	533	21964	0.0	0	0	40
45	0.0	0	0	-62.4	512	21244	0.0	0	0	-61.8	513	21331	-62.1	512	21236	0.0	0	0	45
50	-60.2	502	20732	-62.4	496	20596	-61.0	500	20749	-63.4	494	20682	-61.3	499	20583	-60.2	502	20709	50
55	-61.3	486	20139	-61.2	486	20006	-62.0	484	20158	-64.9	477	20098	-62.8	482	19993	-58.8	491	20112	55
60	-64.2	467	19603	-67.5	460	19472	-63.0	470	19621	-66.3	463	19570	-64.7	466	19460	-61.5	473	19569	60

P	4/ 5 2325 GMT			4/ 6 1213 GMT			4/ 6 18 4 GMT			4/ 6 2325 GMT			4/ 7 620 GMT			4/ 7 12 5 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	7
8	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	8
9	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	9
10	-34.0	893	31272	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-45.8	849	31090	10
12	-38.1	833	30003	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-45.5	806	29875	12
14	-42.8	781	28953	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-45.3	773	28847	14
16	-43.6	749	28051	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-45.1	744	27955	16
18	-46.7	715	27267	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-44.9	720	27168	18
20	-47.2	692	26569	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-49.3	685	26471	20
25	-52.5	634	25113	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-51.0	638	25016	25
30	-51.4	605	23932	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-53.1	600	23836	30
35	-56.1	566	22936	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-55.3	568	22844	35
40	-62.6	529	22102	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-59.9	535	22005	40
45	-63.8	508	21378	0.0	0	0	-54.8	530	21381	0.0	0	0	0.0	0	0	-60.6	516	21271	45
50	-62.4	496	20730	-63.3	494	20653	-57.0	509	20711	-61.3	499	20738	-63.1	495	20721	-61.2	499	20616	50
55	-61.2	486	20140	-66.4	474	20072	-64.1	479	20119	-66.9	473	20158	-67.3	472	20140	-64.9	477	20030	55
60	-63.6	469	19603	-64.8	466	19544	-67.9	459	19591	-68.5	458	19635	-69.5	455	19620	-68.4	458	19504	60



LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. FANNING ISLAND

P	4/ 7 18 4 GMT			4/ 7 2325 GMT			4/ 8 1315 GMT			4/ 8 1725 GMT			4/ 8 2315 GMT			4/ 9 12 4 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	7
8	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	8
9	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	9
10	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	10
12	0.0	0	0	0.0	0	0	-38.5	831	29971	0.0	0	0	0.0	0	0	-46.7	802	29817	12
14	0.0	0	0	0.0	0	0	-42.5	782	28919	0.0	0	0	0.0	0	0	-47.9	764	28802	14
16	0.0	0	0	0.0	0	0	-46.1	741	28024	0.0	0	0	0.0	0	0	-47.4	737	27918	16
18	0.0	0	0	0.0	0	0	-49.3	706	27246	0.0	0	0	0.0	0	0	-48.5	709	27141	18
20	0.0	0	0	0.0	0	0	-51.0	680	26558	0.0	0	0	0.0	0	0	-49.5	685	26450	20
25	0.0	0	0	0.0	0	0	-51.2	638	25111	0.0	0	0	0.0	0	0	-51.6	636	24995	25
30	0.0	0	0	0.0	0	0	-56.2	591	23924	0.0	0	0	0.0	0	0	-54.4	596	23817	30
35	0.0	0	0	0.0	0	0	-55.2	569	22943	0.0	0	0	0.0	0	0	-56.9	564	22837	35
40	0.0	0	0	0.0	0	0	-56.3	545	22090	0.0	0	0	0.0	0	0	-58.2	540	21994	40
45	0.0	0	0	-59.9	518	21401	-60.1	517	21348	0.0	0	0	0.0	0	0	-59.3	519	21255	45
50	-62.3	497	20629	-61.1	500	20745	-62.1	497	20695	-63.8	493	20659	-60.0	502	20689	-60.3	501	20596	50
55	-66.6	474	20046	-65.0	477	20158	-63.1	481	20107	-65.5	476	20077	-64.2	479	20101	-64.9	477	20004	55
60	-67.9	459	19522	-69.3	456	19633	-65.2	465	19574	-67.1	461	19550	-64.6	466	19570	-68.9	457	19483	60

P	4/ 9 2332 GMT			4/10 1135 GMT			4/10 23 5 GMT			4/11 1137 GMT			4/11 2238 GMT			4/13 0 8 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	7
8	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	8
9	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	9
10	-35.7	886	31328	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	10
12	-36.9	837	30064	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-41.5	821	30018	12
14	-41.5	785	29007	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-43.4	779	28976	14
16	-45.4	743	28109	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-45.0	745	28081	16
18	-46.4	716	27327	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-46.4	715	27296	18
20	-44.8	699	26625	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-45.7	696	26593	20
25	-48.5	645	25156	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-51.5	637	25126	25
30	-55.9	592	23980	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-56.1	592	23955	30
35	-56.1	566	23000	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-58.0	561	22982	35
40	-59.2	537	22155	0.0	0	0	-57.5	541	22106	0.0	0	0	0.0	0	0	-56.6	544	22138	40
45	-60.2	517	21420	0.0	0	0	-61.2	515	21370	0.0	0	0	0.0	0	0	-56.3	526	21389	45
50	-58.4	506	20761	-60.0	502	20627	-59.3	504	20713	-61.9	498	20598	-64.1	492	20630	-57.6	508	20722	50
55	-56.7	496	20159	-65.2	477	20039	-59.6	490	20117	-63.4	481	20010	-62.3	483	20044	-60.2	488	20123	55
60	-66.9	461	19616	-69.9	454	19515	-61.4	473	19573	-68.4	458	19480	-63.7	468	19506	-64.7	466	19586	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. FANNING ISLAND

P	4/13 1240 GMT			4/13 2310 GMT			4/14 1147 GMT			4/15 014 GMT			4/15 1256 GMT			4/15 23 4 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	7
8	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	8
9	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	9
10	0.0	0	0	0.0	0	0	-41.2	866	31069	0.0	0	0	0.0	0	0	0.0	0	0	10
12	0.0	0	0	0.0	0	0	-44.7	810	29840	0.0	0	0	0.0	0	0	0.0	0	0	12
14	0.0	0	0	0.0	0	0	-47.6	765	28815	0.0	0	0	0.0	0	0	0.0	0	0	14
16	0.0	0	0	0.0	0	0	-51.2	724	27936	0.0	0	0	0.0	0	0	0.0	0	0	16
18	0.0	0	0	0.0	0	0	-49.2	706	27167	0.0	0	0	0.0	0	0	0.0	0	0	18
20	0.0	0	0	0.0	0	0	-50.3	682	26474	0.0	0	0	0.0	0	0	0.0	0	0	20
25	0.0	0	0	0.0	0	0	-48.2	646	25011	-50.3	640	24917	0.0	0	0	0.0	0	0	25
30	0.0	0	0	0.0	0	0	-53.7	598	23817	-59.7	582	23752	0.0	0	0	0.0	0	0	30
35	0.0	0	0	0.0	0	0	-59.0	559	22843	-60.1	556	22789	0.0	0	0	0.0	0	0	35
40	0.0	0	0	0.0	0	0	-62.6	529	22013	-60.5	534	21957	0.0	0	0	0.0	0	0	40
45	0.0	0	0	0.0	0	0	-61.0	515	21282	-60.9	515	21224	0.0	0	0	0.0	0	0	45
50	-61.1	500	20650	-58.4	506	20698	-61.2	499	20628	-61.2	499	20570	-62.5	496	20573	-62.7	496	20683	50
55	-62.1	484	20060	-59.7	489	20101	-63.3	481	20038	-61.4	485	19978	-64.3	479	19987	-63.2	481	20096	55
60	-63.0	470	19523	-65.0	466	19563	-66.0	463	19507	-63.3	469	19440	-64.8	466	19457	-63.6	469	19561	60

P	4/16 525 GMT			4/16 1155 GMT			4/16 2327 GMT			4/17 6 2 GMT			4/17 1239 GMT			4/17 23 0 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	7
8	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	8
9	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	9
10	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	10
12	0.0	0	0	0.0	0	0	-39.3	829	29918	0.0	0	0	0.0	0	0	0.0	0	0	12
14	0.0	0	0	0.0	0	0	-45.4	772	28876	0.0	0	0	0.0	0	0	0.0	0	0	14
16	0.0	0	0	0.0	0	0	-46.1	741	27984	0.0	0	0	0.0	0	0	0.0	0	0	16
18	0.0	0	0	0.0	0	0	-49.3	706	27207	0.0	0	0	0.0	0	0	0.0	0	0	18
20	0.0	0	0	-49.2	686	26458	-47.4	691	26513	0.0	0	0	0.0	0	0	0.0	0	0	20
25	0.0	0	0	-51.9	636	25003	-53.6	631	25058	0.0	0	0	0.0	0	0	0.0	0	0	25
30	0.0	0	0	-54.2	597	23823	-52.4	602	23883	0.0	0	0	0.0	0	0	0.0	0	0	30
35	0.0	0	0	-58.7	559	22845	-56.5	565	22895	0.0	0	0	0.0	0	0	0.0	0	0	35
40	0.0	0	0	-58.8	538	22007	-60.0	535	22055	0.0	0	0	0.0	0	0	0.0	0	0	40
45	-60.6	516	21197	-60.3	517	21269	-63.1	510	21325	0.0	0	0	0.0	0	0	0.0	0	0	45
50	-65.0	490	20548	-62.4	497	20615	-63.2	495	20677	-66.9	486	20607	-66.5	487	20572	-62.6	496	20652	50
55	-64.2	479	19967	-64.2	479	20029	-63.2	481	20091	-66.5	474	20033	-67.2	472	19996	-64.3	479	20067	55
60	-65.9	463	19437	-65.2	465	19499	-63.3	469	19556	-65.9	463	19504	-67.7	459	19472	-65.9	463	19537	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB.

FANNING ISLAND

P	4/18 5 0 GMT			4/18 1159 GMT			4/18 2357 GMT			4/19 2330 GMT			4/20 527 GMT			4/20 1216 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	7
8	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	8
9	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	9
10	0.0	0	0	-41.5	865	30968	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	10
12	0.0	0	0	-41.5	821	29731	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	12
14	0.0	0	0	-44.7	774	28692	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	14
16	0.0	0	0	-47.5	736	27805	-46.8	738	27976	0.0	0	0	0.0	0	0	0.0	0	0	16
18	0.0	0	0	-50.0	704	27031	-47.4	712	27196	0.0	0	0	0.0	0	0	0.0	0	0	18
20	0.0	0	0	-56.2	664	26358	-51.2	679	26503	0.0	0	0	0.0	0	0	0.0	0	0	20
25	0.0	0	0	-52.2	635	24927	-53.3	631	25052	0.0	0	0	0.0	0	0	-53.4	631	24983	25
30	0.0	0	0	-56.1	592	23756	-56.2	592	23882	0.0	0	0	0.0	0	0	-54.3	597	23812	30
35	0.0	0	0	-55.0	569	22774	-55.6	568	22898	0.0	0	0	0.0	0	0	-57.7	562	22828	35
40	0.0	0	0	-58.4	539	21924	-61.9	530	22059	0.0	0	0	0.0	0	0	-62.3	529	21997	40
45	0.0	0	0	-62.1	512	21192	-63.4	509	21331	0.0	0	0	0.0	0	0	-63.2	510	21271	45
50	-65.2	490	20611	-65.3	490	20543	-66.3	487	20691	-62.1	497	20585	-60.6	501	20692	-64.0	493	20625	50
55	-65.3	476	20029	-66.7	474	19968	-66.4	474	20114	-65.1	477	20000	-61.3	486	20098	-64.7	478	20042	55
60	-69.2	456	19505	-69.4	456	19446	-66.4	462	19587	-67.9	459	19474	-66.4	462	19565	-65.4	465	19511	60

P	4/20 2355 GMT			4/21 2325 GMT			P
	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	7
8	0.0	0	0	0.0	0	0	8
9	0.0	0	0	0.0	0	0	9
10	0.0	0	0	0.0	0	0	10
12	-40.6	824	29887	-39.3	829	29965	12
14	-44.5	775	28846	-40.4	789	28909	14
16	-43.7	749	27950	-45.7	742	28009	16
18	-48.5	709	27167	-49.3	706	27231	18
20	-49.8	684	26479	-48.4	688	26539	20
25	-53.2	632	25029	-53.5	631	25073	25
30	-54.9	595	23857	-56.7	590	23909	30
35	-57.1	564	22880	-57.2	563	22935	35
40	-60.6	534	22036	-56.2	545	22088	40
45	-61.8	513	21305	-60.0	517	21345	45
50	-62.9	495	20655	-62.3	497	20693	50
55	-63.9	480	20069	-61.2	486	20103	55
60	-64.7	466	19537	-65.4	464	19572	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. CHRISTMAS ISLAND

P	3/ 5 1210 GMT			3/ 6 1240 GMT			3/ 7 0 0 GMT			3/ 7 1220 GMT			3/ 9 0 5 GMT			3/ 9 1145 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	-40.9	1127	36977	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	-43.7	1044	35469	0.0	0	0	0.0	0	0	5
6	0.0	0	0	-37.9	1016	34267	0.0	0	0	-46.0	981	34250	-31.0	1046	34739	0.0	0	0	6
7	0.0	0	0	-41.0	959	33213	0.0	0	0	-45.5	941	33223	-34.9	985	33655	0.0	0	0	7
8	0.0	0	0	-42.9	916	32309	-35.4	946	32723	-45.0	908	32332	-34.8	948	32723	-40.7	925	32539	8
9	0.0	0	0	-42.5	887	31515	-35.6	914	31904	-44.6	879	31544	-34.8	917	31901	-42.0	889	31740	9
10	0.0	0	0	-41.8	864	30802	-35.7	886	31171	-44.2	855	30838	-39.1	874	31172	-43.1	859	31028	10
12	0.0	0	0	-44.1	812	29570	-43.1	815	29932	-48.6	796	29627	-25.3	878	29812	-44.0	812	29802	12
14	0.0	0	0	-50.4	755	28552	-43.5	778	28894	-50.1	756	28617	-46.5	768	28759	-44.7	774	28769	14
16	0.0	0	0	-50.0	728	27680	-43.9	748	27997	-51.4	724	27747	-47.1	738	27877	-48.3	734	27883	16
18	0.0	0	0	-49.7	705	26909	-48.1	710	27213	-51.1	701	26982	-51.4	700	27105	-50.3	703	27107	18
20	-51.0	680	26268	-53.8	671	26224	-48.3	680	26519	-50.8	681	26296	-53.9	671	26426	-49.7	684	26418	20
25	-55.4	625	24831	-59.9	612	24820	-51.3	637	25056	-56.8	621	24871	-53.7	630	24993	-56.8	621	24982	25
30	-57.8	587	23677	-60.0	581	23683	-52.5	602	23877	-59.5	583	23721	-53.5	599	23821	-56.9	589	23827	30
35	-57.9	561	22705	-58.3	560	22717	-57.1	564	22891	-58.0	561	22753	-58.3	560	22835	-57.0	564	22852	35
40	-58.1	540	21864	-56.9	543	21874	-58.5	539	22052	-59.2	537	21913	-59.4	537	22002	-58.3	539	22008	40
45	-59.9	518	21125	-60.1	517	21131	-59.8	518	21311	-61.5	514	21178	-56.6	526	21260	-59.1	520	21270	45
50	-62.4	497	20470	-64.4	492	20481	-59.6	503	20655	-66.1	488	20532	-58.1	507	20590	-56.7	510	20606	50
55	-66.4	474	19887	-66.2	474	19901	-61.7	485	20062	-67.8	471	19958	-65.3	476	20000	-53.3	504	19997	55
60	-70.1	454	19365	-68.7	457	19376	-63.6	469	19525	-67.8	459	19435	-71.9	450	19479	-63.7	468	19450	60
P	3/10 0 0 GMT			3/10 1135 GMT			3/11 010 GMT			3/11 12 0 GMT			3/12 12 0 GMT			3/14 030 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	-40.4	1005	34443	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	0.0	0	0	-40.7	961	33393	-40.7	961	33336	0.0	0	0	7
8	0.0	0	0	0.0	0	0	0.0	0	0	-40.9	924	32484	-41.2	923	32428	0.0	0	0	8
9	0.0	0	0	0.0	0	0	0.0	0	0	-41.1	893	31684	-41.7	890	31628	0.0	0	0	9
10	0.0	0	0	0.0	0	0	-42.7	860	30960	-41.3	865	30968	-42.1	862	30915	-40.8	867	31069	10
12	-42.2	818	29939	0.0	0	0	-45.3	807	29736	-43.4	814	29736	-44.3	811	29690	-45.4	807	29841	12
14	-43.7	778	28897	0.0	0	0	-47.6	765	28712	-45.2	773	28703	-49.2	759	28662	-46.0	770	28814	14
16	-46.9	738	28006	0.0	0	0	-49.6	730	27834	-46.8	739	27815	-50.6	726	27789	-46.6	739	27927	16
18	-45.5	718	27223	0.0	0	0	-50.9	701	27066	-48.7	708	27037	-51.9	698	27024	-47.1	713	27147	18
20	-44.2	701	26519	0.0	0	0	-51.1	680	26380	-50.4	682	26347	-53.0	674	26343	-51.6	678	26461	20
25	-53.0	632	25061	0.0	0	0	-55.7	625	24951	-54.3	629	24915	-54.9	627	24912	-50.7	639	25005	25
30	-55.8	592	23893	0.0	0	0	-55.8	592	23793	-57.7	587	23755	-55.0	595	23746	-57.6	588	23835	30
35	-58.7	559	22918	0.0	0	0	-56.1	566	22810	-60.0	556	22789	-57.2	563	22766	-58.3	561	22861	35
40	-59.4	537	22083	0.0	0	0	-57.7	541	21964	-59.5	537	21955	-62.1	530	21931	-61.8	531	22028	40
45	-58.4	521	21344	0.0	0	0	-59.1	520	21223	-60.2	517	21218	-64.3	507	21209	-64.2	507	21304	45
50	-58.7	505	20680	-64.5	492	20416	-60.8	500	20565	-62.6	496	20564	-63.1	495	20563	-63.3	494	20658	50
55	-61.9	484	20085	-65.2	477	19834	-62.2	484	19975	-64.6	478	19980	-62.1	484	19975	-62.5	483	20071	55
60	-65.7	464	19553	-69.7	455	19309	-66.8	461	19442	-65.3	465	19449	-64.2	467	19438	-61.7	473	19533	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. CHRISTMAS ISLAND

P	3/14 1225 GMT			3/15 0 0 GMT			3/15 12 5 GMT			3/16 0 5 GMT			3/16 1210 GMT			3/17 013 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	-48.2	1024	35683	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	-46.6	979	34477	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	0.0	0	0	-45.2	942	33451	0.0	0	0	0.0	0	0	-40.6	961	33346	0.0	0	0	7
8	0.0	0	0	-44.1	911	32558	0.0	0	0	0.0	0	0	-41.7	921	32438	-36.4	942	32660	8
9	0.0	0	0	-43.0	885	31766	0.0	0	0	0.0	0	0	-42.6	887	31642	-37.5	907	31845	9
10	0.0	0	0	-42.1	862	31054	0.0	0	0	-40.0	870	31165	-43.5	857	30932	-40.5	868	31123	10
12	0.0	0	0	-45.6	806	29830	-48.9	795	29735	-44.1	812	29931	-43.7	813	29711	-44.1	812	29894	12
14	0.0	0	0	-48.5	761	28809	-49.1	760	28723	-47.6	765	28905	-49.5	758	28693	-44.8	774	28861	14
16	0.0	0	0	-51.1	725	27936	-52.4	720	27851	-50.6	726	28028	-51.4	723	27822	-46.8	739	27971	16
18	0.0	0	0	-53.4	693	27174	-51.6	699	27092	-53.2	694	27265	-52.6	696	27060	-49.8	705	27195	18
20	0.0	0	0	-53.9	671	26498	-51.5	679	26405	-53.3	673	26587	-53.1	674	26380	-52.5	676	26510	20
25	0.0	0	0	-51.5	637	25057	-51.6	636	24957	-53.4	631	25150	-54.1	629	24945	-52.4	634	25067	25
30	0.0	0	0	-52.4	602	23871	-54.8	595	23777	-53.5	599	23977	-55.5	593	23779	-53.8	598	23890	30
35	0.0	0	0	-56.2	566	22885	-61.7	552	22807	-53.6	573	22986	-57.0	564	22799	-54.3	571	22904	35
40	0.0	0	0	-59.0	538	22041	-59.8	536	21977	-54.7	549	22128	-58.8	538	21957	-54.3	550	22046	40
45	0.0	0	0	-63.0	510	21309	-61.2	515	21242	-59.3	519	21383	-62.3	512	21223	-57.1	525	21295	45
50	0.0	0	0	-66.6	487	20666	-65.6	489	20594	-61.2	499	20727	-65.5	489	20578	-61.5	499	20635	50
55	-63.2	481	20001	-67.4	472	20091	-69.0	468	20021	-63.4	481	20138	-67.4	472	20002	-65.6	476	20050	55
60	-63.5	469	19467	-66.0	463	19565	-67.4	460	19499	-66.6	462	19607	-69.1	456	19477	-69.3	456	19526	60

P	3/17 1145 GMT			3/18 0 0 GMT			3/18 2343 GMT			3/19 1220 GMT			3/19 2350 GMT			3/20 12 0 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	-32.8	1094	35658	-27.4	1118	35876	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	-34.6	1030	34379	-30.4	1049	34571	0.0	0	0	6
7	0.0	0	0	-33.4	991	33537	-35.8	981	33557	-36.2	979	33306	-32.9	993	33481	0.0	0	0	7
8	-41.5	922	32433	-37.3	938	32607	-36.9	940	32631	-40.2	927	32387	-35.1	947	32546	0.0	0	0	8
9	-43.1	885	31636	-40.8	894	31800	-37.9	905	31818	-43.7	883	31590	-37.1	908	31728	-39.9	897	31843	9
10	-44.5	853	30929	-43.9	856	31088	-38.8	875	31094	-46.8	845	30886	-38.8	875	31003	-41.1	866	31125	10
12	-47.2	801	29718	-43.8	813	29863	-43.1	815	29854	-44.0	812	29670	-43.6	813	29764	-41.9	819	29888	12
14	-47.5	765	28698	-45.7	771	28830	-46.8	767	28824	-47.5	765	28636	-47.7	764	28737	-43.7	778	28847	14
16	-47.8	735	27817	-49.4	730	27948	-50.0	728	27945	-50.7	726	27763	-49.8	729	27861	-46.5	740	27955	16
18	-48.1	710	27040	-50.8	702	27180	-51.5	699	27179	-51.9	698	26997	-50.3	703	27092	-45.5	718	27169	18
20	-51.2	680	26348	-50.4	682	26493	-49.5	685	26492	-52.9	674	26316	-51.3	679	26405	-47.3	692	26470	20
25	-56.2	623	24920	-56.4	623	25048	-53.1	632	25037	-51.8	636	24876	-54.4	628	24966	-51.1	638	25006	25
30	-57.9	587	23767	-58.0	587	23895	-57.4	588	23875	-58.0	587	23710	-55.6	593	23799	-53.1	600	23827	30
35	-58.3	561	22796	-58.8	559	22926	-58.5	560	22903	-61.0	553	22749	-59.6	557	22832	-54.2	571	22836	35
40	-60.5	534	21959	-57.6	541	22086	-59.5	536	22066	-60.5	534	21918	-61.5	531	22000	-57.6	541	21987	40
45	-62.2	512	21230	-57.7	523	21341	-60.4	517	21330	-60.1	517	21184	-63.0	510	21274	-62.4	512	21250	45
50	-62.3	497	20578	-62.3	497	20683	-61.1	499	20675	-61.7	498	20529	-60.9	500	20622	-66.3	487	20608	50
55	-64.7	478	19993	-65.7	476	20100	-61.8	484	20084	-63.9	480	19941	-63.8	480	20031	-64.2	479	20028	55
60	-65.2	465	19463	-65.7	464	19571	-67.3	460	19550	-68.1	458	19414	-69.6	455	19505	-63.5	469	19494	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. CHRISTMAS ISLAND

P	3/20 2350 GMT			3/22 020 GMT			3/23 1145 GMT			3/24 0 7 GMT			3/24 12 0 GMT			3/25 0 1 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	-20.5	1331	39671	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	-24.5	1206	37559	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	-26.6	1122	36070	-27.5	1118	35944	-31.8	1098	35805	0.0	0	0	0.0	0	0	0.0	0	0	5
6	-28.5	1057	34758	-29.4	1053	34638	-33.9	1033	34522	-27.9	1059	34825	0.0	0	0	-31.3	1045	34810	6
7	-30.1	1005	33658	-30.6	1002	33541	-35.7	981	33446	-30.9	1001	33730	0.0	0	0	-32.4	995	33721	7
8	-31.5	961	32710	-31.7	961	32595	-37.3	938	32521	-31.1	963	32783	0.0	0	0	-33.4	954	32782	8
9	-34.9	916	31882	-34.2	919	31766	-38.7	902	31710	-31.3	930	31948	0.0	0	0	-34.3	919	31956	9
10	-38.0	878	31152	-36.4	884	31032	-39.9	871	30988	-34.2	892	31207	0.0	0	0	-38.3	877	31226	10
12	-39.6	828	29901	-42.2	818	29783	-43.2	815	29752	-41.4	821	29950	0.0	0	0	-41.4	821	29980	12
14	-40.9	787	28849	-45.9	770	28749	-46.0	770	28720	-42.2	783	28906	0.0	0	0	-44.0	777	28940	14
16	-49.8	729	27958	-48.6	733	27868	-48.5	733	27836	-42.8	752	28003	-48.9	732	27869	-46.3	740	28048	16
18	-49.2	707	27187	-49.0	707	27094	-50.6	702	27065	-48.7	708	27214	-45.5	718	27090	-47.2	713	27268	18
20	-48.6	687	26495	-49.4	685	26403	-47.9	690	26374	-49.3	685	26523	-51.9	677	26402	-47.1	692	26571	20
25	-52.1	635	25045	-53.2	632	24954	-54.3	629	24914	-53.3	631	25071	-51.5	637	24955	-49.7	642	25104	25
30	-55.0	595	23863	-54.9	595	23787	-57.2	589	23762	-55.1	594	23898	-57.6	588	23780	-56.7	590	23935	30
35	-55.5	568	22879	-54.2	571	22800	-54.8	570	22779	-55.8	567	22915	-56.8	564	22805	-54.2	571	22952	35
40	-55.9	545	22029	-61.3	532	21960	-54.2	550	21924	-56.4	544	22066	-58.9	538	21962	-52.0	555	22091	40
45	-59.0	520	21283	-61.4	514	21229	-56.8	525	21170	-56.9	525	21320	-59.5	519	21224	-56.6	526	21334	45
50	-63.5	494	20629	-61.4	499	20576	-63.5	494	20513	-57.4	508	20653	-60.0	502	20566	-59.9	502	20673	50
55	-63.7	480	20045	-65.3	477	19989	-69.5	467	19936	-57.8	494	20052	-60.5	487	19971	-59.7	489	20078	55
60	-63.9	468	19511	-66.6	462	19463	-70.7	453	19419	-65.9	463	19515	-65.7	464	19436	-71.8	450	19546	60

P	3/25 12 5 GMT			3/27 010 GMT			3/27 1150 GMT			3/27 2350 GMT			3/28 1155 GMT			3/29 0 0 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	-35.9	1025	34295	0.0	0	0	0.0	0	0	-30.1	1050	34794	6
7	-40.7	961	33385	0.0	0	0	-37.8	973	33228	-34.0	989	33625	0.0	0	0	-32.4	995	33702	7
8	-42.7	917	32480	0.0	0	0	-39.4	930	32311	-36.2	943	32694	0.0	0	0	-34.3	950	32764	8
9	-44.1	881	31688	0.0	0	0	-40.9	893	31507	-38.2	904	31880	0.0	0	0	-36.1	912	31943	9
10	-43.9	856	30981	0.0	0	0	-42.2	862	30793	-40.0	870	31158	-40.3	869	31102	-37.6	879	31214	10
12	-45.1	808	29760	-35.4	842	29973	-45.8	806	29569	-41.5	821	29917	-42.5	817	29865	-40.7	824	29965	12
14	-48.4	762	28735	-39.2	793	28908	-48.8	761	28549	-42.7	781	28874	-44.4	776	28828	-43.3	779	28921	14
16	-47.9	735	27853	-42.4	753	28000	-48.6	733	27674	-45.2	744	27975	-46.0	741	27936	-45.6	743	28027	16
18	-51.5	699	27082	-47.0	714	27217	-52.3	697	26912	-49.8	705	27199	-51.0	701	27161	-47.6	712	27245	18
20	-54.1	671	26400	-45.4	697	26516	-49.0	686	26226	-49.2	686	26509	-52.0	677	26479	-49.1	686	26552	20
25	-52.5	634	24960	-49.9	641	25051	-54.1	629	24774	-49.2	643	25042	-51.6	636	25032	-49.3	643	25094	25
30	-55.4	594	23790	-57.1	589	23873	-57.8	587	23616	-58.0	586	23869	-51.2	605	23848	-56.8	590	23908	30
35	-56.5	565	22810	-58.0	561	22901	-60.1	556	22655	-58.6	560	22899	-56.9	564	22862	-55.1	569	22928	35
40	-57.1	542	21964	-59.7	536	22066	-62.0	530	21823	-62.3	530	22066	-58.3	539	22019	-59.2	537	22085	40
45	-62.6	511	21228	-57.5	524	21326	-60.8	515	21096	-60.6	516	21337	-61.4	514	21282	-61.6	514	21351	45
50	-65.0	490	20584	-55.5	513	20658	-62.2	497	20440	-62.1	497	20681	-61.5	498	20630	-62.1	497	20700	50
55	-63.6	480	20001	-61.6	485	20059	-66.9	473	19857	-64.5	478	20096	-60.8	487	20039	-60.7	487	20109	55
60	-62.9	470	19466	-67.2	460	19527	-68.5	458	19334	-65.7	464	19566	-66.7	462	19507	-64.7	466	19570	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB.

CHRISTMAS ISLAND

P	3/29 12 0 GMT			3/29 2345 GMT			3/30 1220 GMT			3/31 0 2 GMT			3/31 12 0 GMT			4/ 1 0 1 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-35.6	1026	34502	0.0	0	0	6
7	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-36.7	977	33432	0.0	0	0	7
8	0.0	0	0	0.0	0	0	-39.7	929	32502	0.0	0	0	-37.6	937	32509	0.0	0	0	8
9	0.0	0	0	0.0	0	0	-41.3	892	31700	0.0	0	0	-39.0	901	31698	0.0	0	0	9
10	0.0	0	0	0.0	0	0	-42.8	860	30987	0.0	0	0	-42.1	862	30980	0.0	0	0	10
12	0.0	0	0	-40.8	823	29947	-45.5	807	29764	0.0	0	0	-46.2	804	29758	0.0	0	0	12
14	0.0	0	0	-42.4	782	28905	-47.8	764	28741	0.0	0	0	-49.7	758	28741	0.0	0	0	14
16	-48.5	733	27739	-42.2	754	28002	-48.2	734	27862	0.0	0	0	-50.5	727	27871	0.0	0	0	16
18	-51.3	700	26971	-49.4	706	27211	-49.2	707	27086	-45.2	719	27227	-49.1	707	27100	0.0	0	0	18
20	-49.9	683	26284	-49.7	684	26522	-51.9	677	26400	-49.6	684	26531	-55.2	667	26418	0.0	0	0	20
25	-52.2	635	24844	-49.7	642	25058	-52.5	634	24959	-52.2	635	25071	-54.2	629	24991	0.0	0	0	25
30	-53.0	600	23657	-53.8	598	23873	-51.7	604	23779	-55.0	595	23904	-53.4	599	23820	0.0	0	0	30
35	-62.5	550	22691	-55.8	567	22888	-60.3	555	22795	-54.8	570	22918	-52.8	575	22826	0.0	0	0	35
40	-65.2	522	21872	-60.3	534	22044	-58.8	538	21957	-56.6	544	22066	-52.2	555	21964	0.0	0	0	40
45	-61.0	515	21148	-60.8	515	21314	-63.6	509	21226	-61.1	515	21326	-63.5	509	21221	0.0	0	0	45
50	-62.3	497	20492	-62.5	496	20661	-63.3	494	20580	-61.7	498	20674	-65.3	490	20580	-60.8	500	20715	50
55	-63.7	480	19906	-63.0	482	20074	-62.0	484	19993	-61.4	485	20083	-65.1	477	19999	-60.6	487	20122	55
60	-66.9	461	19375	-66.1	463	19541	-63.0	470	19454	-62.2	472	19544	-64.8	466	19469	-61.8	472	19581	60

P	4/ 1 12 5 GMT			4/ 1 2348 GMT			4/ 2 12 6 GMT			4/ 2 2346 GMT			4/ 4 015 GMT			4/ 4 1146 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-22.3	1142	35939	0.0	0	0	5
6	0.0	0	0	0.0	0	0	-34.8	1029	34511	-23.5	1079	35037	-31.4	1044	34627	-35.1	1028	34545	6
7	-36.2	979	33442	0.0	0	0	-38.5	970	33446	-24.3	1029	33911	-33.5	991	33541	-36.2	979	33473	7
8	-38.4	934	32519	-30.7	965	32821	-39.8	929	32531	-27.5	977	32945	-35.2	947	32607	-37.2	939	32548	8
9	-40.4	895	31713	-33.8	921	31990	-40.9	893	31728	-30.4	934	32102	-36.7	909	31789	-38.0	904	31736	9
10	-42.2	862	30998	-36.6	883	31256	-41.9	863	31013	-32.9	897	31357	-38.1	877	31061	-38.8	875	31011	10
12	-43.5	814	29768	-41.8	820	30006	-44.1	812	29784	-36.3	839	30089	-41.9	819	29818	-41.7	820	29764	12
14	-48.5	762	28738	-42.5	782	28964	-45.9	770	28754	-39.9	791	29028	-42.8	781	28776	-47.1	766	28733	14
16	-49.6	729	27860	-44.9	745	28064	-47.5	736	27869	-43.1	751	28123	-43.6	749	27876	-49.9	729	27856	16
18	-52.6	696	27094	-46.7	715	27282	-50.5	702	27098	-44.1	723	27329	-45.9	717	27089	-49.3	706	27085	18
20	-50.0	683	26410	-46.2	695	26583	-50.6	681	26411	-47.8	690	26629	-51.3	679	26396	-49.7	684	26394	20
25	-54.6	628	24965	-50.7	639	25110	-53.4	631	24961	-53.1	632	25164	-50.1	641	24947	-53.6	631	24952	25
30	-55.4	594	23800	-54.9	595	23942	-58.3	586	23803	-57.1	589	24005	-56.5	591	23769	-54.7	596	23781	30
35	-56.1	566	22819	-54.3	571	22954	-58.6	560	22834	-57.8	562	23031	-59.6	557	22802	-58.8	559	22800	35
40	-60.0	535	21976	-55.6	546	22101	-56.9	543	21992	-58.4	539	22190	-59.3	537	21967	-61.2	532	21967	40
45	-62.3	512	21245	-56.8	525	21353	-56.1	527	21243	-59.0	520	21451	-59.4	519	21229	-62.8	511	21239	45
50	-63.8	493	20597	-55.7	512	20685	-60.3	501	20579	-59.5	503	20790	-60.7	500	20571	-62.6	496	20590	50
55	-64.4	478	20014	-66.3	474	20102	-64.9	477	19991	-59.9	489	20195	-62.0	484	19980	-62.7	482	20002	55
60	-65.0	466	19483	-66.3	462	19575	-66.8	461	19464	-60.3	476	19652	-66.7	462	19448	-64.2	467	19468	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB.

CHRISTMAS ISLAND

P	4/ 4 2355 GMT			4/ 5 12 0 GMT			4/ 6 0 5 GMT			4/ 6 1223 GMT			4/ 7 025 GMT			4/ 7 1211 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	-25.3	1128	36036	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	-29.0	1055	34723	-33.9	1034	34622	0.0	0	0	0.0	0	0	-28.3	1058	34831	0.0	0	0	6
7	-32.1	996	33627	-34.9	985	33545	0.0	0	0	0.0	0	0	-31.2	1000	33732	0.0	0	0	7
8	-34.0	951	32688	-35.9	944	32615	0.0	0	0	0.0	0	0	-33.2	955	32790	0.0	0	0	8
9	-35.8	913	31867	-37.6	906	31799	0.0	0	0	-37.6	906	31781	-34.6	918	31965	0.0	0	0	9
10	-37.3	880	31137	-39.8	871	31075	0.0	0	0	-38.6	875	31055	-35.9	886	31231	-42.5	861	30974	10
12	-38.4	832	29880	-42.9	816	29838	-37.4	835	30050	-40.7	824	29809	-38.1	833	29971	-45.4	807	29751	12
14	-43.1	780	28831	-45.5	772	28804	-40.6	788	28993	-42.5	782	28763	-40.0	790	28914	-47.9	764	28728	14
16	-47.1	738	27939	-47.7	736	27918	-43.5	749	28090	-49.0	731	27880	-43.7	749	28008	-49.3	730	27851	16
18	-46.9	714	27159	-49.7	705	27144	-46.0	717	27302	-49.8	705	27108	-47.3	713	27225	-50.0	704	27080	18
20	-47.4	691	26461	-50.2	683	26455	-44.7	699	26599	-50.5	682	26420	-45.6	696	26525	-50.7	681	26392	20
25	-52.7	633	25006	-54.1	629	25019	-53.3	631	25141	-51.9	635	24969	-52.1	635	25059	-53.8	630	24949	25
30	-55.2	594	23831	-53.6	599	23848	-50.8	606	23961	-57.9	587	23811	-55.7	593	23889	-53.5	599	23781	30
35	-58.7	559	22858	-55.3	568	22858	-53.4	573	22963	-57.4	563	22838	-57.4	563	22911	-56.0	566	22786	35
40	-60.5	534	22023	-58.6	539	22012	-58.0	540	22110	-56.9	543	21993	-58.6	539	22070	-60.9	533	21952	40
45	-62.0	513	21292	-62.2	512	21279	-63.0	510	21379	-58.8	520	21255	-59.7	518	21332	-61.2	515	21220	45
50	-62.6	496	20641	-63.5	494	20631	-63.9	493	20732	-62.9	495	20598	-61.3	499	20675	-64.5	491	20570	50
55	-62.8	482	20054	-64.7	478	20047	-64.8	478	20149	-64.8	478	20014	-65.2	477	20089	-66.0	475	19990	55
60	-63.1	470	19518	-65.0	465	19517	-64.6	466	19619	-68.7	457	19488	-67.9	459	19564	-66.8	461	19463	60

P	4/ 7 2335 GMT			4/ 8 1217 GMT			4/ 8 2346 GMT			4/ 9 12 0 GMT			4/10 1151 GMT			4/10 2250 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	-36.6	978	33639	0.0	0	0	-38.5	970	33290	-34.1	988	33647	7
8	0.0	0	0	0.0	0	0	-35.9	944	32711	-38.9	932	32594	-39.9	928	32375	-36.2	943	32716	8
9	0.0	0	0	0.0	0	0	-37.1	908	31895	-41.0	893	31790	-41.2	892	31573	-38.0	905	31902	9
10	0.0	0	0	0.0	0	0	-38.3	877	31168	-40.5	868	31073	-42.8	860	30859	-39.6	872	31179	10
12	0.0	0	0	-45.8	806	29742	-40.9	823	29924	-40.1	826	29829	-46.2	804	29638	-43.0	815	29941	12
14	-40.9	787	28940	-47.0	767	28719	-40.9	787	28874	-42.8	781	28780	-46.4	769	28616	-44.2	776	28906	14
16	-46.2	741	28042	-50.0	728	27839	-41.9	755	27968	-48.1	734	27889	-45.7	742	27728	-43.6	749	28010	16
18	-49.2	706	27264	-51.1	701	27072	-47.5	712	27182	-50.6	702	27117	-51.4	700	26953	-48.5	709	27227	18
20	-50.5	681	26577	-50.9	680	26387	-50.1	683	26490	-49.9	684	26432	-50.7	681	26268	-47.2	692	26531	20
25	-51.9	636	25123	-50.7	639	24934	-52.0	635	25054	-53.5	631	24968	-51.4	637	24825	-50.2	640	25067	25
30	-50.9	606	23939	-57.2	589	23752	-54.7	596	23877	-54.3	597	23798	-58.3	586	23659	-53.2	600	23883	30
35	-56.6	565	22947	-54.2	571	22770	-56.0	567	22894	-56.5	565	22812	-58.3	560	22692	-56.3	566	22897	35
40	-58.6	539	22104	-56.3	544	21917	-57.1	543	22046	-56.4	544	21967	-57.0	543	21849	-59.1	537	22055	40
45	-60.9	515	21368	-62.1	512	21176	-58.8	520	21304	-56.2	527	21218	-62.6	511	21113	-61.5	514	21321	45
50	-63.0	495	20716	-65.1	490	20532	-60.9	500	20645	-60.1	502	20554	-62.4	496	20461	-60.6	501	20667	50
55	-64.9	477	20132	-65.3	476	19952	-62.7	482	20056	-64.4	479	19965	-64.9	477	19877	-60.1	488	20072	55
60	-66.7	462	19604	-65.5	464	19423	-64.4	467	19521	-67.1	461	19438	-71.2	452	19353	-63.2	469	19534	60



LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. CHRISTMAS ISLAND

P	4/11 1133 GMT			4/11 2345 GMT			4/12 12 5 GMT			4/13 0 8 GMT			4/13 1154 GMT			4/13 2235 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-34.5	1031	34568	0.0	0	0	6
7	0.0	0	0	-31.1	1001	33656	-37.9	972	33388	0.0	0	0	-35.5	982	33492	0.0	0	0	7
8	0.0	0	0	-32.9	956	32713	-38.3	934	32469	0.0	0	0	-38.1	935	32568	-36.1	943	32538	8
9	-40.3	896	31766	-34.6	918	31887	-38.7	902	31660	-36.0	912	31800	-40.5	895	31762	-38.5	903	31725	9
10	-40.5	868	31048	-36.0	885	31154	-39.8	871	30938	-38.6	875	31072	-42.6	861	31047	-39.8	871	31003	10
12	-42.9	816	29812	-41.2	822	29901	-43.3	814	29701	-42.3	818	29830	-40.4	825	29810	-43.2	815	29768	12
14	-44.8	774	28777	-44.4	776	28861	-46.3	769	28670	-45.5	772	28795	-41.8	784	28763	-43.9	777	28731	14
16	-48.8	732	27891	-47.2	737	27972	-46.4	740	27783	-45.5	743	27905	-43.0	751	27860	-46.3	740	27838	16
18	-51.5	699	27123	-49.6	705	27197	-50.4	703	27008	-45.5	718	27120	-48.8	708	27076	-46.5	715	27057	18
20	-52.7	675	26441	-51.8	678	26510	-50.9	680	26321	-50.2	683	26430	-49.7	684	26384	-48.8	687	26360	20
25	-52.2	635	25001	-51.3	637	25062	-54.8	627	24879	-50.8	639	24972	-53.9	630	24929	-56.9	621	24919	25
30	-53.3	599	23819	-52.0	603	23877	-58.7	585	23729	-55.2	594	23797	-57.1	589	23767	-57.7	587	23765	30
35	-57.9	561	22841	-54.9	569	22888	-58.9	559	22761	-59.0	559	22821	-57.2	563	22793	-57.9	562	22789	35
40	-59.0	538	22002	-55.6	546	22033	-59.1	537	21924	-59.3	537	21984	-59.0	538	21952	-57.3	542	21945	40
45	-60.0	518	21265	-58.4	521	21288	-60.0	517	21189	-59.5	519	21247	-59.6	518	21216	-58.8	520	21203	45
50	-60.8	500	20608	-60.9	500	20629	-60.3	501	20531	-63.0	495	20590	-58.8	505	20556	-60.4	501	20543	50
55	-61.6	485	20017	-63.2	481	20040	-61.8	484	19939	-63.8	480	20005	-59.7	489	19957	-63.2	481	19954	55
60	-65.2	465	19482	-65.2	465	19507	-66.3	463	19406	-67.0	461	19474	-63.1	470	19418	-65.8	464	19422	60

P	4/14 2350 GMT			4/15 1155 GMT			4/15 23 8 GMT			4/16 1216 GMT			4/16 2345 GMT			4/17 1145 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	-24.0	1474	42387	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	-17.1	1349	39932	-27.7	1293	39447	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	-28.5	1187	37823	-30.9	1175	37393	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	-29.9	1107	36228	-33.4	1091	35818	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	-31.0	1046	34932	-35.4	1027	34543	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	-31.9	997	33841	-37.1	976	33473	-31.2	1000	33649	0.0	0	0	7
8	0.0	0	0	0.0	0	0	-32.7	957	32899	-38.5	933	32553	-34.0	952	32706	0.0	0	0	8
9	0.0	0	0	0.0	0	0	-35.6	914	32075	-39.8	898	31746	-38.4	903	31889	0.0	0	0	9
10	0.0	0	0	-40.2	870	31057	-38.2	877	31346	-41.0	867	31028	-42.4	861	31170	-43.5	857	30965	10
12	0.0	0	0	-41.6	820	29817	-41.2	822	30099	-45.0	808	29799	-44.7	810	29944	-44.2	811	29740	12
14	0.0	0	0	-45.1	773	28779	-41.4	786	29052	-48.4	762	28777	-46.6	768	28917	-44.8	774	28708	14
16	0.0	0	0	-48.1	734	27893	-42.8	752	28148	-49.1	731	27899	-48.2	734	28034	-47.9	735	27821	16
18	0.0	0	0	-49.7	705	27120	-45.2	719	27357	-49.8	705	27128	-49.7	705	27261	-49.0	707	27047	18
20	0.0	0	0	-50.7	681	26432	-47.4	691	26657	-50.4	682	26440	-48.3	688	26569	-50.9	680	26357	20
25	0.0	0	0	-53.0	632	24986	-49.7	642	25188	-51.1	638	24986	-53.4	631	25115	-53.1	632	24917	25
30	0.0	0	0	-54.8	595	23816	-51.2	605	23999	-51.7	604	23802	-52.0	603	23938	-55.7	593	23751	30
35	-57.6	562	22989	-56.4	566	22833	-54.8	570	23002	-55.7	567	22812	-55.9	567	22948	-54.6	570	22767	35
40	-58.9	538	22148	-57.7	541	21988	-55.5	547	22152	-59.2	537	21968	-59.4	537	22106	-58.7	538	21921	40
45	-57.8	523	21408	-62.6	511	21251	-58.9	520	21405	-62.2	512	21235	-63.2	510	21375	-62.4	512	21187	45
50	-59.6	503	20748	-62.4	496	20603	-61.3	499	20749	-64.1	493	20588	-62.4	496	20727	-65.7	489	20542	50
55	-59.2	490	20152	-61.5	485	20013	-62.3	483	20159	-64.4	478	20005	-60.6	487	20136	-65.6	476	19964	55
60	-58.9	479	19606	-61.9	472	19474	-63.2	469	19623	-64.8	466	19474	-63.4	466	19596	-64.9	466	19434	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. CHRISTMAS ISLAND

P	4/17 2236 GMT			4/18 12 7 GMT			4/18 2340 GMT			4/19 1149 GMT			4/19 2246 GMT			4/20 1215 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	-38.8	1386	42098	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	-37.7	1240	39309	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	-37.0	1146	37322	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	-28.6	1113	36157	-36.4	1078	35776	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	-29.8	1051	34855	-35.9	1025	34511	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	-29.0	1009	33755	-35.5	982	33439	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	7
8	-28.4	974	32799	-36.1	943	32509	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	8
9	-29.4	937	31955	-40.3	896	31699	0.0	0	0	0.0	0	0	0.0	0	0	-37.8	905	31788	9
10	-32.8	897	31208	-41.5	865	30982	-34.9	889	31180	-41.5	865	31042	-40.2	870	31118	-39.2	873	31064	10
12	-40.6	824	29946	-43.5	814	29750	-46.0	805	29938	-42.5	817	29808	-41.9	819	29881	-42.2	818	29823	12
14	-41.7	785	28898	-45.2	773	28718	-48.1	763	28922	-49.2	759	28775	-41.6	785	28836	-44.8	774	28786	14
16	-48.1	734	28003	-48.9	732	27832	-47.6	736	28041	-47.1	738	27895	-47.0	738	27941	-47.0	738	27898	16
18	-50.0	704	27230	-52.8	695	27065	-48.5	709	27264	-48.5	709	27116	-47.3	713	27164	-49.4	706	27122	18
20	-49.4	685	26541	-55.8	666	26393	-49.2	685	26572	-50.7	681	26426	-49.8	684	26469	-52.5	676	26435	20
25	-53.2	632	25082	-52.7	633	24958	-53.0	632	25120	-52.6	633	24975	-53.7	630	25032	-52.5	634	24986	25
30	-56.9	590	23923	-53.4	599	23783	-56.5	591	23949	-58.6	585	23820	-54.0	597	23858	-55.1	594	23815	30
35	-55.1	569	22943	-54.0	572	22792	-53.7	572	22964	-57.7	562	22851	-58.6	560	22881	-56.2	566	22833	35
40	-56.0	545	22095	-59.9	536	21947	-54.3	550	22107	-56.2	545	22005	-59.0	538	22043	-61.7	531	21994	40
45	-59.7	518	21354	-63.3	510	21218	-60.6	516	21362	-58.6	521	21261	-60.6	516	21306	-60.8	516	21263	45
50	-61.9	498	20698	-65.2	490	20573	-66.1	488	20715	-64.6	491	20607	-63.8	493	20655	-61.2	499	20608	50
55	-64.8	477	20113	-65.5	476	19995	-67.4	472	20140	-65.3	477	20026	-66.7	473	20074	-61.5	485	20017	55
60	-67.5	460	19585	-63.7	468	19463	-65.2	465	19614	-67.2	461	19498	-69.3	456	19552	-65.8	464	19482	60

P	4/20 2340 GMT			4/21 1210 GMT			4/21 2237 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	5
6	-27.3	1062	34836	0.0	0	0	0.0	0	0	6
7	-29.7	1006	33731	-34.9	985	33420	0.0	0	0	7
8	-32.3	958	32784	-37.3	939	32493	0.0	0	0	8
9	-35.2	915	31958	-39.3	899	31683	0.0	0	0	9
10	-37.8	878	31228	-41.2	866	30964	0.0	0	0	10
12	-42.3	818	29988	-44.6	810	29735	0.0	0	0	12
14	-42.7	781	28947	-45.1	773	28704	0.0	0	0	14
16	-43.0	751	28047	-49.0	731	27820	-45.6	742	28040	16
18	-46.2	716	27256	-50.3	703	27049	-48.1	710	27261	18
20	-49.8	684	26563	-51.5	678	26363	-49.2	686	26567	20
25	-52.9	633	25107	-52.3	634	24920	-55.2	626	25117	25
30	-52.6	601	23930	-53.3	599	23741	-53.0	600	23947	30
35	-56.1	566	22946	-56.2	566	22755	-55.1	569	22956	35
40	-61.2	532	22104	-59.7	536	21912	-56.1	545	22105	40
45	-61.2	515	21373	-65.5	504	21187	-59.0	520	21359	45
50	-61.2	499	20719	-66.0	488	20547	-61.7	498	20704	50
55	-61.2	486	20128	-66.5	474	19970	-63.4	481	20116	55
60	-64.9	466	19592	-66.9	461	19444	-64.8	466	19583	60

APPENDIX D: THERMODYNAMIC DATA ABOVE 60 mb (*USC&GSS SURVEYOR*)



LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. SHIP SURVEYOR

P	2/17 2310 GMT			2/18 11 9 GMT			2/18 23 4 GMT			2/19 11 6 GMT			2/19 2310 GMT			2/20 11 3 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	-36.7	1076	35750	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	-39.3	1010	34495	0.0	0	0	0.0	0	0	0.0	0	0	-33.7	1034	34673	0.0	0	0	6
7	-41.5	958	33444	0.0	0	0	0.0	0	0	0.0	0	0	-35.5	982	33596	0.0	0	0	7
8	-43.3	914	32541	0.0	0	0	-38.8	932	32610	0.0	0	0	-37.1	939	32670	0.0	0	0	8
9	-45.0	878	31752	0.0	0	0	-39.7	898	31803	0.0	0	0	-38.5	903	31859	0.0	0	0	9
10	-46.5	846	31050	0.0	0	0	-40.5	868	31084	-45.0	852	30961	-39.8	871	31137	0.0	0	0	10
12	-46.0	805	29835	-47.4	800	29706	-43.9	812	29851	-45.4	807	29739	-43.5	814	29901	0.0	0	0	12
14	-47.9	764	28814	-50.7	754	28701	-46.7	768	28822	-48.6	761	28718	-46.7	768	28871	0.0	0	0	14
16	-49.5	730	27936	-51.0	725	27829	-49.2	731	27942	-48.5	733	27843	-45.3	743	27983	0.0	0	0	16
18	-50.9	701	27167	-54.0	691	27068	-51.4	700	27173	-51.1	700	27072	-46.4	715	27197	0.0	0	0	18
20	-50.0	683	26481	-53.8	672	26387	-53.3	673	26492	-53.5	672	26391	-45.7	696	26499	0.0	0	0	20
25	-53.2	632	25026	-53.4	631	24958	-53.5	631	25061	-55.1	626	24968	-56.5	622	25055	0.0	0	0	25
30	-57.0	589	23864	-55.9	592	23791	-55.6	593	23887	-56.3	591	23803	-55.4	594	23896	-55.0	595	23697	30
35	-55.9	567	22886	-58.0	561	22815	-53.0	574	22899	-57.5	562	22829	-58.2	561	22919	-59.6	557	22723	35
40	-59.5	536	22038	-59.8	536	21977	-57.1	542	22041	-57.6	541	21986	-59.2	537	22082	-61.4	532	21891	40
45	-60.4	517	21303	-58.6	521	21239	-58.9	520	21299	-59.1	520	21243	-58.0	522	21342	-62.9	510	21163	45
50	-62.0	497	20648	-57.6	508	20576	-60.6	501	20641	-62.7	496	20588	-56.9	509	20676	-64.3	492	20517	50
55	-65.0	477	20064	-62.1	484	19979	-62.1	484	20049	-65.9	475	20005	-61.1	486	20078	-64.7	478	19935	55
60	-65.5	464	19534	-68.3	458	19450	-64.8	466	19515	-68.9	457	19481	-64.9	466	19543	-66.1	463	19404	60

P	2/20 2312 GMT			2/21 2313 GMT			2/22 1217 GMT			2/22 2354 GMT			2/23 1118 GMT			2/24 1125 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	-39.0	1136	37355	0.0	0	0	-44.3	1110	36778	0.0	0	0	0.0	0	0	0.0	0	0	4
5	-38.2	1069	35822	0.0	0	0	-45.3	1037	35285	0.0	0	0	-38.4	1068	35469	-38.8	1067	35627	5
6	-37.4	1018	34566	0.0	0	0	-43.8	991	34065	0.0	0	0	-41.6	1000	34225	-41.0	1003	34381	6
7	-36.7	977	33500	-35.1	984	33565	-49.3	925	33042	0.0	0	0	-44.3	946	33185	-42.9	952	33337	7
8	-38.8	932	32579	-37.4	938	32639	-47.4	898	32163	0.0	0	0	-41.8	920	32285	-44.5	910	32440	8
9	-40.7	894	31774	-39.5	899	31829	-49.0	862	31387	-36.2	912	31991	-44.5	879	31492	-43.8	882	31650	9
10	-42.4	861	31060	-41.3	865	31111	-50.3	832	30697	-36.1	885	31259	-47.0	844	30791	-43.1	859	30941	10
12	-44.1	812	29832	-42.8	816	29877	-50.5	789	29511	-39.9	826	30004	-54.8	774	29604	-46.2	804	29721	12
14	-47.9	764	28804	-44.1	777	28840	-48.6	761	28502	-43.1	780	28958	-51.4	752	28611	-46.3	769	28697	14
16	-50.8	726	27931	-45.2	744	27946	-51.0	725	27625	-45.9	742	28064	-48.5	733	27738	-46.4	740	27810	16
18	-50.9	701	27164	-51.9	698	27177	-53.9	692	26866	-48.3	709	27284	-48.5	709	26963	-51.2	700	27041	18
20	-50.9	680	26479	-51.6	678	26494	-53.6	672	26189	-50.5	682	26593	-52.3	676	26276	-51.9	677	26356	20
25	-53.3	631	25032	-51.8	636	25045	-57.9	618	24765	-48.6	645	25137	-55.5	625	24846	-55.6	625	24922	25
30	-55.9	592	23866	-54.3	597	23870	-57.6	588	23614	-53.3	599	23950	-57.6	588	23688	-57.5	588	23768	30
35	-56.4	566	22886	-56.4	565	22886	-59.2	558	22642	-55.3	568	22964	-60.3	555	22721	-54.6	570	22788	35
40	-57.6	541	22039	-62.8	528	22046	-62.5	529	21813	-55.9	546	22113	-62.6	529	21893	-60.5	534	21947	40
45	-59.7	518	21300	-62.7	511	21320	-62.8	511	21087	-56.4	526	21365	-64.6	506	21170	-63.1	510	21218	45
50	-61.7	498	20644	-62.6	496	20671	-64.4	492	20439	-62.1	497	20705	-66.0	488	20530	-65.4	489	20574	50
55	-63.5	481	20056	-62.6	483	20083	-68.4	469	19864	-63.9	480	20120	-65.6	476	19951	-67.5	471	19997	55
60	-65.1	465	19524	-62.5	471	19546	-70.0	454	19344	-65.3	465	19587	-65.2	465	19421	-69.4	456	19475	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. SHIP SURVEYOR

P	2/24 17 4 GMT			2/24 23 2 GMT			2/25 5 GMT			2/25 1143 GMT			2/25 17 7 GMT			2/25 23 3 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-34.4	1087	35741	-30.8	1103	35916	5
6	0.0	0	0	-35.2	1028	34646	0.0	0	0	0.0	0	0	-36.4	1023	34471	-33.6	1035	34629	6
7	0.0	0	0	-34.0	989	33569	0.0	0	0	-42.5	953	33255	-38.0	972	33406	-36.0	980	33554	7
8	-40.9	924	32495	-35.7	945	32637	0.0	0	0	-43.6	913	32355	-40.5	926	32491	-38.1	935	32630	8
9	-42.5	887	31697	-37.2	908	31821	0.0	0	0	-44.5	879	31565	-42.7	887	31692	-40.0	897	31823	9
10	-44.0	855	30988	-38.5	876	31095	0.0	0	0	-45.4	850	30861	-44.6	853	30984	-41.6	864	31106	10
12	-45.8	806	29769	-41.6	820	29850	0.0	0	0	-50.8	788	29659	-46.2	804	29768	-45.2	808	29879	12
14	-47.2	766	28746	-44.2	776	28810	0.0	0	0	-52.9	747	28663	-47.5	765	28746	-43.2	780	28846	14
16	-48.1	734	27864	-51.5	723	27929	0.0	0	0	-52.4	720	27801	-51.7	723	27872	-47.8	735	27955	16
18	-48.6	708	27089	-51.1	701	27164	0.0	0	0	-51.9	698	27039	-52.4	697	27109	-51.9	698	27185	18
20	-49.0	686	26397	-50.8	681	26479	0.0	0	0	-51.5	679	26355	-53.0	674	26429	-50.5	682	26499	20
25	-54.9	627	24956	-50.0	641	25023	0.0	0	0	-52.6	633	24910	-50.5	639	24979	-52.3	634	25050	25
30	-55.7	593	23796	-58.4	585	23854	0.0	0	0	-56.2	591	23738	-52.3	602	23796	-53.7	598	23874	30
35	-52.5	576	22807	-57.8	562	22883	-63.6	547	22682	-61.6	552	22773	-59.3	558	22809	-55.8	567	22887	35
40	-58.2	540	21956	-57.3	542	22040	-61.7	531	21859	-61.9	531	21947	-59.9	535	21974	-58.6	539	22043	40
45	-62.0	513	21221	-57.9	523	21295	-61.0	515	21127	-62.4	512	21218	-60.4	516	21240	-61.1	515	21307	45
50	-62.5	496	20572	-62.3	497	20637	-64.0	493	20476	-64.0	493	20570	-62.8	496	20586	-63.4	494	20656	50
55	-66.5	474	19990	-66.4	474	20054	-64.6	478	19891	-65.6	476	19989	-64.0	479	20001	-65.4	476	20074	55
60	-67.4	460	19463	-70.1	454	19532	-69.1	456	19366	-67.0	461	19462	-66.4	462	19471	-66.0	463	19546	60

P	2/26 1156 GMT			2/26 1648 GMT			2/27 0 4 GMT			2/27 533 GMT			2/27 1229 GMT			2/27 1855 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	-39.6	965	33253	0.0	0	0	0.0	0	0	-35.6	982	33310	0.0	0	0	0.0	0	0	7
8	-43.0	916	32346	0.0	0	0	0.0	0	0	-39.3	930	32388	0.0	0	0	0.0	0	0	8
9	-43.0	885	31552	0.0	0	0	0.0	0	0	-42.6	887	31587	-42.0	889	31617	0.0	0	0	9
10	-43.0	859	30842	0.0	0	0	0.0	0	0	-45.5	850	30881	-42.9	859	30905	0.0	0	0	10
12	-46.5	803	29622	0.0	0	0	0.0	0	0	-48.4	796	29677	-46.0	805	29684	0.0	0	0	12
14	-47.7	764	28604	0.0	0	0	0.0	0	0	-48.1	763	28661	-48.5	761	28664	0.0	0	0	14
16	-50.0	728	27724	0.0	0	0	0.0	0	0	-52.9	719	27791	-49.3	730	27788	0.0	0	0	16
18	-55.0	688	26963	0.0	0	0	0.0	0	0	-53.5	693	27035	-48.6	708	27015	0.0	0	0	18
20	-55.1	667	26290	0.0	0	0	0.0	0	0	-52.0	677	26354	-55.0	668	26339	0.0	0	0	20
25	-55.4	625	24866	-53.4	631	24974	0.0	0	0	-51.8	636	24908	-55.8	624	24914	-51.0	638	25120	25
30	-57.3	589	23707	-57.5	588	23816	0.0	0	0	-54.8	595	23743	-56.1	592	23754	-51.5	604	23936	30
35	-59.8	556	22738	-58.6	560	22845	-58.7	559	22885	-58.2	561	22764	-55.0	569	22769	-53.0	574	22939	35
40	-62.1	530	21908	-59.5	536	22007	-59.0	538	22047	-61.1	532	21930	-57.5	541	21919	-57.0	543	22086	40
45	-61.5	514	21180	-60.4	517	21272	-59.3	519	21309	-62.5	511	21202	-64.6	506	21188	-59.2	519	21344	45
50	-60.3	501	20525	-60.2	502	20616	-59.6	503	20649	-62.8	496	20551	-63.2	495	20542	-60.0	502	20686	50
55	-61.7	485	19930	-59.4	490	20020	-64.6	478	20060	-65.4	476	19968	-65.4	476	19958	-60.1	488	20091	55
60	-70.8	453	19404	-66.3	463	19486	-66.3	463	19532	-67.9	459	19442	-68.3	458	19432	-64.6	466	19552	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. SHIP SURVEYOR

P	2/28 1118 GMT			3/ 1 1 6 GMT			3/ 1 348 GMT			3/ 1 648 GMT			3/ 1 935 GMT			3/ 1 17 0 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-33.2	1164	37367	4
5	-37.5	1072	35725	-30.9	1102	35985	0.0	0	0	0.0	0	0	0.0	0	0	-36.4	1077	35809	5
6	-37.6	1018	34467	-33.3	1036	34698	0.0	0	0	0.0	0	0	0.0	0	0	-36.8	1021	34546	6
7	-37.7	973	33404	-35.3	983	33619	-37.4	974	33468	0.0	0	0	0.0	0	0	-37.1	976	33480	7
8	-40.7	925	32489	-37.0	940	32692	-38.7	933	32549	0.0	0	0	0.0	0	0	-37.4	938	32557	8
9	-43.3	884	31692	-36.6	910	31877	-39.8	898	31742	0.0	0	0	0.0	0	0	-42.3	888	31753	9
10	-45.6	849	30986	-36.3	884	31147	-40.8	867	31023	-44.3	854	30936	0.0	0	0	-42.3	862	31040	10
12	-48.2	797	29778	-43.7	813	29902	-46.5	803	29798	-47.0	801	29721	0.0	0	0	-45.3	807	29811	12
14	-50.3	755	28767	-46.9	767	28877	-50.0	756	28784	-49.3	759	28705	0.0	0	0	-47.8	764	28792	14
16	-49.7	729	27897	-50.1	728	27995	-50.6	726	27914	-51.3	724	27834	0.0	0	0	-51.0	725	27919	16
18	-48.6	709	27123	-52.1	698	27233	-52.6	696	27147	-53.1	694	27072	0.0	0	0	-51.6	699	27154	18
20	-49.2	686	26431	-50.0	683	26548	-53.5	673	26471	-53.3	673	26393	0.0	0	0	-52.1	677	26471	20
25	-57.6	619	24990	-49.7	642	25078	-52.1	635	25021	-56.2	623	24963	0.0	0	0	-51.1	638	25018	25
30	-56.6	590	23838	-56.4	591	23909	-55.6	593	23853	-58.0	587	23811	0.0	0	0	-54.6	596	23839	30
35	-55.5	568	22855	-56.3	566	22930	-56.6	565	22873	-58.2	561	22840	0.0	0	0	-58.1	561	22862	35
40	-59.7	536	22014	-58.8	538	22084	-57.4	542	22028	-60.3	534	22001	0.0	0	0	-56.5	544	22020	40
45	-61.3	514	21280	-61.2	515	21351	-62.3	512	21294	-64.9	505	21275	-56.5	526	21300	-60.6	516	21280	45
50	-62.7	496	20629	-61.2	499	20697	-63.7	493	20647	-65.0	490	20634	-59.3	504	20636	-62.8	496	20628	50
55	-65.0	477	20044	-61.2	486	20105	-62.7	482	20061	-64.0	480	20052	-62.3	483	20042	-62.8	482	20041	55
60	-68.5	458	19518	-65.2	465	19569	-66.3	463	19527	-67.1	461	19523	-65.7	464	19509	-65.3	465	19506	60

P	3/ 1 2337 GMT			3/ 2 145 GMT			3/ 2 411 GMT			3/ 3 0 6 GMT			3/ 3 613 GMT			3/ 3 1833 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	7
8	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	8
9	0.0	0	0	0.0	0	0	0.0	0	0	-37.0	908	31762	0.0	0	0	0.0	0	0	9
10	0.0	0	0	0.0	0	0	0.0	0	0	-42.5	861	31042	0.0	0	0	0.0	0	0	10
12	0.0	0	0	0.0	0	0	0.0	0	0	-46.7	802	29821	0.0	0	0	0.0	0	0	12
14	0.0	0	0	0.0	0	0	-42.8	781	28852	-48.7	761	28805	0.0	0	0	0.0	0	0	14
16	0.0	0	0	0.0	0	0	-47.1	738	27960	-49.2	731	27928	0.0	0	0	0.0	0	0	16
18	0.0	0	0	0.0	0	0	-48.4	709	27185	-49.5	706	27156	0.0	0	0	0.0	0	0	18
20	0.0	0	0	-51.2	679	26445	-47.2	692	26489	-49.9	684	26467	0.0	0	0	0.0	0	0	20
25	0.0	0	0	-53.0	632	25003	-50.9	638	25023	-50.6	639	25010	0.0	0	0	0.0	0	0	25
30	0.0	0	0	-51.5	604	23823	-52.0	603	23839	-55.5	593	23837	0.0	0	0	0.0	0	0	30
35	-57.7	562	22820	-57.0	564	22832	-55.7	567	22846	-58.8	559	22855	0.0	0	0	-55.3	568	22874	35
40	-58.7	538	21979	-60.1	535	21994	-58.3	539	22003	-59.9	535	22019	-60.2	535	22001	-56.0	545	22024	40
45	-61.3	514	21242	-62.0	513	21262	-61.2	515	21268	-60.9	515	21286	-63.9	508	21272	-59.0	520	21277	45
50	-64.0	493	20595	-63.8	493	20613	-64.8	491	20621	-61.8	498	20632	-64.7	491	20629	-61.8	498	20623	50
55	-63.5	481	20010	-61.9	484	20026	-64.6	478	20039	-62.6	483	20043	-64.9	477	20047	-63.2	481	20034	55
60	-60.5	475	19473	-60.2	476	19486	-62.8	470	19506	-62.7	471	19505	-65.2	465	19517	-65.6	464	19504	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB.

SHIP SURVEYOR

P	3/ 3 2048 GMT			3/ 3 2337 GMT			3/ 4 240 GMT			3/ 4 1117 GMT			3/ 4 23 4 GMT			3/11 23 7 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	-31.7	998	33532	0.0	0	0	0.0	0	0	0.0	0	0	7
8	0.0	0	0	-33.3	954	32708	-34.6	949	32593	0.0	0	0	-39.0	932	32708	0.0	0	0	8
9	0.0	0	0	-35.9	913	31885	-37.2	908	31775	0.0	0	0	-38.6	902	31900	0.0	0	0	9
10	0.0	0	0	-38.3	877	31157	-39.5	872	31051	0.0	0	0	-38.2	877	31175	-34.3	892	31153	10
12	0.0	0	0	-42.7	817	29920	-41.9	819	29809	0.0	0	0	-39.7	827	29925	-38.6	831	29889	12
14	-43.8	777	28874	-42.6	782	28879	-43.9	777	28770	0.0	0	0	-42.4	782	28875	-42.2	783	28839	14
16	-45.8	742	27979	-45.6	742	27984	-45.7	742	27877	0.0	0	0	-46.2	741	27980	-45.3	744	27941	16
18	-49.6	705	27201	-48.3	709	27204	-49.7	705	27099	-46.8	714	27047	-47.0	713	27201	-44.8	721	27152	18
20	-49.7	684	26512	-49.6	684	26513	-51.6	678	26414	-48.3	688	26351	-45.4	697	26500	-46.8	693	26451	20
25	-52.1	635	25061	-50.3	640	25054	-51.9	635	24967	-51.7	636	24893	-52.5	634	25035	-51.0	638	24985	25
30	-50.4	607	23879	-50.8	606	23866	-52.2	602	23786	-54.4	596	23717	-54.1	597	23864	-54.4	596	23808	30
35	-55.4	568	22885	-54.9	569	22869	-55.9	567	22796	-56.7	565	22735	-55.8	567	22879	-57.3	563	22827	35
40	-55.5	546	22032	-56.2	545	22020	-57.5	541	21951	-58.7	538	21893	-57.5	542	22032	-58.1	540	21987	40
45	-59.5	519	21287	-57.3	524	21272	-57.4	524	21207	-60.5	516	21156	-59.0	520	21290	-60.1	517	21247	45
50	-61.0	500	20632	-60.8	500	20612	-62.3	497	20549	-62.0	497	20502	-60.3	501	20632	-62.9	495	20594	50
55	-63.3	481	20043	-64.0	480	20023	-65.6	476	19966	-63.9	480	19915	-62.8	482	20040	-65.4	476	20011	55
60	-65.3	465	19511	-65.6	464	19493	-64.6	466	19436	-67.4	460	19386	-65.8	464	19510	-67.6	460	19484	60

P	3/12 23 0 GMT			3/13 5 0 GMT			3/13 1835 GMT			3/13 23 7 GMT			3/14 1115 GMT			3/14 1636 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	-32.4	1096	35923	0.0	0	0	0.0	0	0	5
6	0.0	0	0	0.0	0	0	0.0	0	0	-34.3	1032	34642	0.0	0	0	0.0	0	0	6
7	0.0	0	0	0.0	0	0	0.0	0	0	-35.9	980	33568	0.0	0	0	0.0	0	0	7
8	0.0	0	0	0.0	0	0	0.0	0	0	-37.3	938	32643	0.0	0	0	0.0	0	0	8
9	0.0	0	0	0.0	0	0	0.0	0	0	-38.6	902	31832	0.0	0	0	0.0	0	0	9
10	0.0	0	0	0.0	0	0	0.0	0	0	-39.7	871	31110	0.0	0	0	0.0	0	0	10
12	0.0	0	0	0.0	0	0	0.0	0	0	-41.3	821	29867	0.0	0	0	0.0	0	0	12
14	0.0	0	0	0.0	0	0	0.0	0	0	-45.2	773	28827	0.0	0	0	0.0	0	0	14
16	0.0	0	0	0.0	0	0	0.0	0	0	-45.6	743	27941	0.0	0	0	0.0	0	0	16
18	0.0	0	0	0.0	0	0	-49.8	705	27256	-49.6	705	27163	0.0	0	0	0.0	0	0	18
20	0.0	0	0	0.0	0	0	-48.9	687	26566	-50.8	681	26477	0.0	0	0	0.0	0	0	20
25	-48.1	646	25064	0.0	0	0	-48.8	644	25095	-53.0	632	25018	0.0	0	0	0.0	0	0	25
30	-54.1	597	23875	0.0	0	0	-54.4	596	23914	-53.7	598	23844	0.0	0	0	-55.2	594	23934	30
35	-56.2	566	22894	-52.9	575	22858	-56.6	565	22932	-58.6	560	22864	0.0	0	0	-55.5	568	22951	35
40	-57.4	542	22046	-57.9	541	22006	-57.9	540	22088	-59.7	536	22027	0.0	0	0	-55.8	546	22101	40
45	-60.0	517	21307	-60.6	516	21269	-59.1	520	21347	-60.6	516	21293	0.0	0	0	-58.3	522	21353	45
50	-61.6	498	20652	-62.6	496	20616	-60.1	502	20688	-61.4	499	20638	-64.1	492	20611	-63.6	494	20698	50
55	-63.1	482	20064	-63.5	480	20030	-61.0	486	20095	-62.6	483	20048	-64.6	478	20028	-63.9	480	20114	55
60	-64.4	467	19530	-64.2	467	19497	-61.9	472	19556	-64.1	467	19514	-64.7	466	19497	-64.1	467	19581	60



LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. SHIP SURVEYOR

P	3/14 23 4 GMT			3/15 542 GMT			3/15 931 GMT			3/15 1150 GMT			3/15 1439 GMT			3/15 23 0 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-31.0	1175	37604	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-31.8	1098	36025	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-32.1	1041	34737	6
7	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-28.3	1012	33545	-32.4	995	33649	7
8	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-32.6	957	32596	-38.0	936	32719	8
9	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-36.4	911	31773	-38.8	902	31909	9
10	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-39.8	871	31048	-39.5	872	31187	10
12	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-41.6	820	29807	-44.3	811	29952	12
14	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-47.0	767	28774	-50.9	753	28931	14
16	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-51.7	723	27898	-48.4	733	28057	16
18	-47.4	712	27284	0.0	0	0	0.0	0	0	0.0	0	0	-52.1	698	27139	-51.3	700	27287	18
20	-45.0	698	26583	0.0	0	0	0.0	0	0	0.0	0	0	-48.9	687	26451	-51.3	679	26602	20
25	-51.2	637	25119	0.0	0	0	-48.4	646	25031	0.0	0	0	-52.0	635	24988	-51.4	637	25153	25
30	-52.9	601	23933	-52.8	601	23797	-49.9	609	23835	0.0	0	0	-52.3	602	23814	-52.9	601	23971	30
35	-55.2	569	22945	-58.4	560	22815	-55.7	567	22845	-59.7	557	22730	-56.4	566	22824	-56.0	567	22984	35
40	-56.0	545	22095	-62.9	528	21985	-57.1	542	21996	-61.5	531	21899	-58.9	538	21984	-58.6	539	22140	40
45	-56.8	525	21347	-65.2	505	21263	-61.5	514	21259	-63.1	510	21172	-61.1	515	21246	-61.0	515	21404	45
50	-62.1	497	20686	-64.1	492	20620	-65.1	490	20612	-64.5	491	20526	-65.2	490	20598	-63.1	495	20752	50
55	-64.7	478	20102	-66.0	475	20041	-66.8	473	20033	-65.8	475	19945	-65.9	475	20020	-65.0	477	20168	55
60	-65.0	465	19572	-66.2	463	19513	-67.1	461	19509	-67.0	461	19418	-66.7	462	19493	-66.7	462	19640	60

P	3/16 619 GMT			3/16 2325 GMT			3/17 3 9 GMT			3/17 645 GMT			3/17 9 2 GMT			3/17 1217 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-33.8	1161	37365	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-35.9	1080	35808	5
6	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-37.6	1017	34546	6
7	-37.0	976	33574	0.0	0	0	0.0	0	0	-41.6	957	33372	0.0	0	0	-39.1	967	33486	7
8	-38.2	935	32652	0.0	0	0	0.0	0	0	-41.7	921	32466	0.0	0	0	-40.4	926	32573	8
9	-39.3	900	31844	0.0	0	0	0.0	0	0	-41.8	890	31668	0.0	0	0	-41.5	891	31772	9
10	-40.2	870	31124	0.0	0	0	-40.8	867	31064	-43.6	857	30956	0.0	0	0	-42.5	861	31059	10
12	-42.1	819	29885	0.0	0	0	-45.4	807	29835	-48.0	798	29748	0.0	0	0	-44.7	809	29827	12
14	-40.9	787	28839	0.0	0	0	-46.1	770	28809	-47.6	765	28731	0.0	0	0	-47.5	765	28806	14
16	-43.6	749	27936	0.0	0	0	-46.6	739	27922	-52.0	722	27853	-46.2	741	27949	-48.3	734	27923	16
18	-46.0	717	27149	0.0	0	0	-51.1	701	27145	-52.0	698	27090	-49.8	705	27173	-50.8	702	27152	18
20	-51.6	678	26460	0.0	0	0	-52.4	676	26462	-52.9	674	26408	-51.9	677	26488	-53.0	674	26469	20
25	-52.9	633	25016	0.0	0	0	-55.2	626	25028	-56.9	621	24982	-53.9	630	25049	-54.6	628	25038	25
30	-54.0	598	23843	-52.3	602	23974	-57.4	588	23870	-57.7	587	23832	-55.5	593	23882	-55.2	594	23873	30
35	-57.6	562	22857	-52.9	575	22979	-56.2	566	22893	-57.8	562	22858	-57.9	561	22903	-58.5	560	22892	35
40	-57.7	541	22014	-53.4	552	22118	-58.2	540	22047	-61.7	531	22024	-60.1	535	22069	-58.8	538	22056	40
45	-59.2	520	21272	-55.5	528	21361	-57.8	523	21305	-62.6	511	21293	-59.4	519	21333	-61.0	515	21318	45
50	-62.3	497	20617	-60.6	501	20701	-59.9	502	20643	-64.2	492	20648	-61.0	500	20675	-63.8	493	20669	50
55	-65.2	477	20033	-62.6	483	20109	-62.4	483	20051	-64.9	477	20065	-63.8	480	20087	-64.0	479	20085	55
60	-67.8	459	19506	-67.4	460	19578	-64.8	466	19517	-66.2	463	19536	-64.4	467	19555	-64.2	467	19553	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. SHIP SURVEYOR

P	3/17 18 6 GMT			3/18 1837 GMT			3/18 2129 GMT			3/19 029 GMT			3/19 345 GMT			3/19 1116 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-33.0	1420	41801	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-36.0	1249	38968	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	-38.1	1140	36979	4
5	0.0	0	0	0.0	0	0	-28.1	1115	36041	0.0	0	0	0.0	0	0	-39.8	1062	35448	5
6	0.0	0	0	-32.0	1042	34658	-31.8	1043	34742	0.0	0	0	0.0	0	0	-41.5	1001	34207	6
7	0.0	0	0	-35.4	983	33577	-34.9	985	33660	0.0	0	0	0.0	0	0	-42.9	952	33164	7
8	0.0	0	0	-35.7	945	32648	-36.1	943	32730	0.0	0	0	0.0	0	0	-44.2	911	32267	8
9	0.0	0	0	-37.2	908	31830	-37.2	908	31915	0.0	0	0	0.0	0	0	-43.4	884	31476	9
10	0.0	0	0	-39.7	871	31106	-40.7	868	31192	-43.0	859	31084	0.0	0	0	-42.7	860	30766	10
12	0.0	0	0	-45.4	807	29875	-43.3	814	29962	-45.0	808	29861	0.0	0	0	-47.8	798	29549	12
14	0.0	0	0	-47.7	764	28855	-44.8	774	28925	-46.5	768	28835	0.0	0	0	-50.3	756	28539	14
16	0.0	0	0	-47.4	737	27973	-46.2	741	28037	-47.6	736	27951	0.0	0	0	-50.6	726	27669	16
18	0.0	0	0	-50.0	704	27196	-45.9	717	27253	-48.6	708	27174	0.0	0	0	-50.9	701	26901	18
20	0.0	0	0	-49.9	684	26507	-48.3	688	26556	-49.5	685	26483	0.0	0	0	-58.0	659	26221	20
25	-53.1	632	25080	-49.6	642	25047	-53.1	632	25104	-54.6	628	25034	-53.2	632	24977	-59.5	614	24820	25
30	-53.7	598	23902	-54.2	597	23867	-52.0	603	23926	-56.4	591	23863	-55.4	594	23805	-60.8	579	23682	30
35	-56.4	565	22918	-59.1	558	22895	-56.5	565	22937	-58.6	560	22892	-59.6	557	22834	-62.1	550	22727	35
40	-58.7	538	22075	-59.8	536	22059	-60.0	535	22096	-59.0	538	22054	-57.7	541	21995	-63.3	527	21904	40
45	-58.9	520	21337	-60.4	517	21324	-59.4	519	21361	-59.4	519	21316	-62.3	512	21262	-64.3	507	21182	45
50	-59.4	503	20676	-60.9	500	20668	-60.3	501	20701	-61.6	498	20660	-62.3	497	20609	-66.4	487	20540	50
55	-62.0	484	20082	-61.4	485	20077	-62.2	484	20110	-63.5	481	20072	-64.5	478	20024	-68.7	469	19966	55
60	-65.7	464	19549	-62.2	472	19538	-62.5	471	19573	-63.1	470	19538	-66.6	462	19495	-70.7	453	19448	60

P	3/19 1812 GMT			3/21 1132 GMT			3/21 2344 GMT			3/22 2323 GMT			3/24 2314 GMT			3/25 1131 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	-22.5	1141	35866	0.0	0	0	0.0	0	0	0.0	0	0	-32.2	1097	35959	0.0	0	0	5
6	-27.7	1060	34541	0.0	0	0	0.0	0	0	0.0	0	0	-34.9	1029	34680	0.0	0	0	6
7	-32.1	996	33443	-38.7	969	33382	-38.3	971	33412	0.0	0	0	-37.1	976	33609	-38.6	970	33278	7
8	-35.7	945	32508	-40.3	926	32469	-39.3	931	32495	-41.2	923	32529	-39.0	931	32690	-41.2	923	32365	8
9	-38.9	901	31694	-41.7	890	31668	-40.1	896	31690	-42.1	889	31731	-40.8	894	31885	-43.4	884	31569	9
10	-40.2	870	30973	-43.0	859	30956	-40.9	867	30972	-42.9	860	31019	-42.3	862	31171	-45.5	850	30863	10
12	-43.1	815	29732	-46.1	804	29735	-42.2	818	29736	-44.2	811	29793	-41.7	820	29931	-47.8	798	29656	12
14	-46.2	769	28704	-46.9	767	28714	-48.1	763	28713	-48.5	762	28775	-44.6	775	28893	-48.7	761	28640	14
16	-50.0	728	27824	-45.8	742	27827	-48.1	734	27833	-47.6	736	27894	-47.1	738	28004	-49.5	730	27764	16
18	-53.3	694	27060	-44.8	720	27042	-48.2	710	27057	-49.1	707	27122	-49.3	706	27228	-50.2	704	26994	18
20	-51.5	678	26379	-46.1	695	26337	-48.2	689	26363	-49.5	685	26429	-49.6	684	26538	-50.8	681	26307	20
25	-47.8	647	24918	-53.6	631	24878	-55.3	626	24916	-55.7	625	24981	-50.3	640	25080	-54.2	629	24860	25
30	-59.6	582	23758	-57.5	588	23719	-54.0	597	23749	-56.8	590	23823	-57.9	587	23906	-58.4	585	23705	30
35	-59.8	557	22794	-59.3	558	22750	-57.8	562	22771	-54.6	570	22843	-57.2	563	22932	-59.9	556	22739	35
40	-57.5	542	21956	-61.0	533	21917	-56.9	543	21925	-54.5	549	21986	-58.7	539	22090	-61.9	530	21908	40
45	-63.1	510	21219	-62.4	512	21187	-60.8	516	21186	-64.5	506	21249	-59.9	518	21352	-63.4	509	21185	45
50	-63.8	493	20574	-64.3	492	20539	-64.2	492	20536	-67.2	485	20612	-61.1	500	20696	-62.8	496	20536	50
55	-62.8	482	19988	-66.5	474	19959	-67.3	472	19957	-67.7	471	20038	-62.1	484	20106	-64.0	479	19950	55
60	-66.5	462	19455	-68.5	458	19435	-67.3	460	19433	-66.1	463	19512	-63.0	470	19569	-66.4	462	19420	60

LINE ISLANDS EXPERIMENT  
THERMODYNAMIC DATA ABOVE 60 MB. SHIP SURVEYOR

P	3/25 2310 GMT			3/26 2313 GMT			3/27 11 4 GMT			3/28 024 GMT			3/28 1140 GMT			3/29 2332 GMT			P
	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	T	EPT	H	
2	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	2
3	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	3
4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	4
5	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	5
6	-34.4	1031	34635	0.0	0	0	-34.5	1031	34586	0.0	0	0	0.0	0	0	0.0	0	0	6
7	-37.0	976	33563	0.0	0	0	-37.4	974	33516	0.0	0	0	0.0	0	0	0.0	0	0	7
8	-39.3	930	32644	0.0	0	0	-38.2	935	32595	0.0	0	0	0.0	0	0	0.0	0	0	8
9	-39.3	900	31837	0.0	0	0	-39.0	901	31786	0.0	0	0	0.0	0	0	0.0	0	0	9
10	-39.3	873	31116	-32.2	899	31142	-39.6	872	31065	0.0	0	0	0.0	0	0	0.0	0	0	10
12	-42.8	816	29880	-37.2	836	29869	-43.4	814	29828	0.0	0	0	0.0	0	0	0.0	0	0	12
14	-43.2	780	28841	-41.4	786	28813	-45.1	773	28796	0.0	0	0	-46.0	770	28838	0.0	0	0	14
16	-49.4	730	27960	-46.5	740	27917	-45.1	744	27905	0.0	0	0	-47.6	736	27952	0.0	0	0	16
18	-48.6	708	27187	-45.6	718	27134	-46.7	715	27119	0.0	0	0	-48.9	707	27177	-46.7	715	27170	18
20	-50.2	683	26495	-49.1	686	26434	-49.6	684	26425	0.0	0	0	-50.1	683	26487	-48.1	689	26474	20
25	-53.3	632	25055	-55.4	625	24998	-52.0	635	24977	-52.0	635	25026	-52.7	633	25038	-49.2	643	25007	25
30	-52.8	601	23880	-58.0	587	23842	-55.7	593	23803	-56.0	592	23864	-57.3	589	23878	-51.3	605	23814	30
35	-57.7	562	22893	-55.6	568	22866	-59.7	557	22831	-55.2	569	22881	-59.7	557	22905	-56.9	564	22826	35
40	-57.9	541	22051	-56.6	544	22013	-61.4	532	22002	-56.8	543	22032	-60.8	533	22074	-59.2	537	21985	40
45	-63.4	509	21318	-59.1	520	21273	-60.2	517	21269	-62.8	511	21296	-60.6	516	21341	-61.2	515	21250	45
50	-63.5	494	20671	-58.9	505	20610	-57.0	509	20609	-63.4	494	20651	-60.4	501	20685	-63.0	495	20599	50
55	-63.5	481	20085	-64.5	478	20020	-59.6	490	20007	-66.4	474	20066	-60.3	488	20091	-64.6	478	20015	55
60	-63.5	469	19551	-69.1	456	19495	-67.8	459	19476	-67.1	461	19543	-71.5	451	19563	-64.4	467	19483	60

