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THERMODYNAMIC AND TRANSPORT PROPERTIES
OF HELIUM

by

M. P. Wilson, Jr.

ELECTRIC BOAT DIVISION

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THERMODYNAMIC AND TRANSPORT
PROPERTIES OF HELIUM

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I

INTRODUCTION

This report presents under one cover the thermodynamic and transport properties of helium in the temperature range of 0 F to 1600 F and from a pressure range of atmospheric to 8000 psia. The computed properties were correlated with the most recent experimental data. The investigation was sponsored jointly by the Atomic Energy Commission and the Maritime Administration under the Maritime Gas-Cooled Reactor Project.

In the course of the work, a total of ten charts were drawn; namely,

- 1) Temperature-entropy diagram
- 2) Enthalpy-entropy diagram
- 3) Compressibility factor
- 4) Constant-pressure specific heat
- 5) Constant volume specific heat
- 6) Specific heat ratio
- 7) Velocity of sound
- 8) Absolute viscosity
- 9) Heat conductivity
- 10) Prandtl number

These charts cover the range of temperatures from 0 F to 1600 F and pressures from atmospheric to 8000 psia. These charts are shown as reduced-scale graphs included at the end of the report,

but full-scale charts are available upon request. Table 3 in Section IX covers the range of temperatures of 0 F to 1600 F and pressure of 14.696 to 6000 psia. This table was designed to permit linear interpolation in the pressure range of 14.696 to 2000 psia, within 1% accuracy.

There are a number of papers correlating the thermodynamic data on helium. The most recent of these are by Simmons (ref. 45) and Akin (ref. 2). However, most of the data presented does not sufficiently cover the range of interest applicable to power cycles, especially in the high temperature, high pressure region. The transport properties have also been correlated by many investigators, but the experimental data on which the correlations were made covered an entirely inadequate range of temperatures and pressures. The most recent data obtained by Professor Kestin of Brown University, under MGCR Contract No. D-618-907, is incorporated in this report. The experimental work of Professor B. Vodar, of the High Pressure Institute in Bellevue, France, is also included. His research covered the thermal conductivity of helium in the range of temperatures from 0 F to 700 F, and pressures of 14.7 to 2500 psia, under MGCR Contract No. D-808-908.

II

SYMBOLS AND UNITS

Unless indicated otherwise in the text, the standard symbols and units employed in this report are as follows:

p	pressure (psia)
t	temperature ($^{\circ}$ F)
T	temperature ($^{\circ}$ R)
v	specific volume (ft^3/lb)
s	specific entropy (BTU/lb $^{\circ}$ R)
u	internal energy function (BTU/lb $^{\circ}$ F)
h	enthalpy (BTU/lb)
z	compressibility factor
C_p	constant pressure specific heat (BTU/lb $^{\circ}$ F)
C_v	constant volume specific heat (BTU/lb $^{\circ}$ F)
$C_{v\infty}$	constant volume specific heat at zero pressure or infinite volume (BTU/lb $^{\circ}$ F)
γ	ratio of C_p to C_v
M	molecular weight = 4.003
g	gravitational acceleration = 32.17 ft/sec 2
ρ	density (lb/ft^3)
V_s	velocity of sound (fps)
K	heat conductivity (BTU/hr $^{\circ}$ F ft)
μ	absolute viscosity ($\text{lb}/\text{hr ft}$)
$N_P r$	Prandtl number $\frac{C_p \mu}{K}$

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III

SURVEY OF EXISTING DATA

A. Pressure-Volume-Temperature Relations

The most extensive experimental p-v-t data to date, in the range of interest, is Michels and Wouters' report (ref. 40), which includes the range of temperatures from 0 F to 300 F, and pressures of atmospheric to 4000 psia. Some other experimental data is reported by Johnson (ref. 22), and by Keesom and van Santen (ref. 29). Other investigators who report experimental data that falls outside the range of normal power cycle application are Zelmanov (ref. 55), Buchmann (ref. 7), Holborn, and others.

Within the range of interest to closed-cycle gas turbine applications, it was found that the Beattie-Bridgeman equation of state is confirmed by experimental data. Akin (ref. 2) and Simmons (ref. 45) found that the Beattie-Bridgeman equation agrees within 1% of the experimental data for densities less than 4.32 lb per cu ft. The maximum density used in our report was 4.17 lb per cu ft. The available experimental p-v-t data, together with the Joule-Thomson data, was used as the basis for extrapolation (with the aid of the Beattie-Bridgeman equation) of the thermodynamic properties to higher temperatures.

B. Joule-Thomson Expansion

The most important experimental Joule-Thomson measurements were reported by Roebuck and Osterberg (ref. 44). These covered the

range of temperatures from 0 F to 600 F, and pressures of atmospheric to 3000 psia. These measurements supersede their previous work, as well as the work of earlier investigators.

The experimental Joule-Thomson data is useful as an independent check on the computed thermodynamic functions and as an indication of the deviation of helium from a perfect gas. Roebuck's data was used in this capacity and the results will be discussed later in this report.

C. Specific Heats

The specific heats of helium can be computed directly from the equation of state, or from the p-v-t data if the value of C_{p_0} is known. The value of C_{p_0} is 1.2416 BTU/lb F, from Keyes (ref. 35), and the value of C_v can therefore be calculated from the relationship

$$C_{v_\infty} = C_{p_0} - R$$

where $R = 0.49605 \text{ BTU/lb F}$

Therefore C_{v_∞} is 0.7455 BTU/lb F.

Keesom (ref. 28) reports $C_{v_\infty} = 0.7444 \text{ BTU/lb R}$, a C_{p_0} of 1.241 BTU/lb R, and also mentions some experimental values that all (except one) lie outside the present range of interest.

D. Viscosity

The most extensive experimental investigation of the viscosity of helium was that of Trautz and Zink (ref. 47), which included a temperature range of 0 F to 1500 F. Among some of the other investigators are Johnston and Grilly (ref. 24), Rietveld and van Itterbeek (ref. 50), and Kestin et al.

There is fairly good agreement among the various experimental data. However, there are numerous discrepancies among the correlated data of Akin (ref. 2), Keyes (ref. 35), Nuttall (ref. 42), and Newman (ref. 43). The maximum deviation occurs in the high temperature region between the correlated results of Akin and Newman, and amounts to 15% at a temperature of 1300 F, increasing as the temperature increases. The main difficulty encountered in the correlations was the lack of experimental data above 200 F except for that of Trautz and Zink. Correlations were based on the more recent data of Johnston and Grilly, and Rietveld and van Itterbeek. To resolve these discrepancies and to determine the pressure effect on the viscosity of helium, it was thought necessary to obtain more experimental data in the higher temperature range. Professor J. Kestin was contracted to supply the required experimental data (ref. 31). His results were presented in report form and covered a temperature range of 70 F to 450 F. His results agreed within 0.6% of those reported by Trautz, and he determined that the pressure effect was negligible (0.2% between 14.7 and 2000 psia) in this range of temperatures. It is estimated that the viscosities presented

in our report are accurate within 1% in the temperature range of 0 F to 1000 F, and within 3% in the temperature range of 1000 F to 1600 F.

E. Heat Conductivity

There is very little experimental heat conductivity data of helium in the temperature range above 200 F. The only data reported above 200 F is Kannuluik and Carman's (ref. 25) and Cheung's (ref. 10). These data disagree by 6% at a temperature of 600 F. However, Cheung reports that his measurements with helium might be in error at this temperature.

There are a number of experimental data reported for temperatures below 200 F, among them those of Keyes, Kannuluik and Carman, Johnston and Grilly (ref. 23), and Comings (ref. 11). Comings investigated the pressure effect along an isotherm of 109 F and pressures from atmospheric to 3000 psia. There is fair agreement among the various experimental data in the temperature range below 200 F.

A number of correlations of the thermal conductivity data are available, but serious discrepancies have been found among them in their extrapolation to the high temperature region. Various theoretical methods are available for predicting the thermal conductivity. The most common is that developed from elementary kinetic theory, which assumes infinitely small, hard, spherical, perfectly elastic, and non-polar molecules as a model in a Maxwellian gas. The results of this theory indicate that the

thermal conductivity is predicted by

$$k = KC_v \eta$$

K = constant

η = viscosity

The more rigorous theory of Chapman and Cowling assumes a force potential which includes terms of repulsion as well as the attraction of molecules. There are a number of force potential models which have achieved limited success, such as the "Lennard-Jones" potential, and the modified Buckingham "exp-six" potential which includes an additional parameter α , over the Lennard-Jones potential. This parameter α has the effect of varying the steepness of the force potential. These methods require experimental data in order to evaluate the maximum energy of attraction and the low velocity collision diameter.

Usually these constants are evaluated from experimental second virial coefficients, or experimental viscosity data, or a combination of both. The modified Buckingham "exp-six" potential has met with success in predicting the viscosities and the second virial coefficients of helium, but fails to predict the thermal conductivities based on viscosity data, in spite of varying α from 12.0 to 15.0. The inability of this force potential and method to predict the thermal conductivity of helium does not appear to be the fault of the method or potential, but rather of the basic theory.

The inability to predict the thermal conductivity to any reliable degree of accuracy necessitated the initiation of an experimental program. Professor Vodar was contracted to measure the heat conductivity in the temperature range of 0 F to 700 F and pressure range of 14.7 to 2500 psia. A graphical comparison of the results at atmospheric pressure of six different authors, including Vodar, is shown in Figures 3 and 4.

F. Velocity of Sound

There is very little experimental data on the velocity of sound in helium. Keesom (ref. 28) states that there is fair agreement between the values calculated theoretically from the perfect gas law and the few experimental data. The velocity of sound can, in theory, be calculated directly from the equation of state. The velocities of sound presented in this report are obtained from the Beattie-Bridgeman equation of state.

IV

CALCULATION OF THERMODYNAMIC FUNCTIONS AND CONSTRUCTION OF DIAGRAMS

A. The Beattie-Bridgeman Equation of State

The equation of Beattie-Bridgeman is given in the following form (ref. 5):

$$P = \frac{RT(1-\epsilon)(V+B)}{V^2} - \frac{A}{V^2} \quad (1)$$

where

$$A = A_0 \left(1 - \frac{a}{v}\right)$$

$$B = B_0 \left(1 - \frac{b}{v}\right)$$

$$\epsilon = \frac{c}{VT^3}$$

P = absolute pressure lb/ft²

R = 1544 ft-lb/(lb-mole)(°R)

T = absolute temperature °Rankine

V = molal volume ft³/(lb-mole)(°R)

For helium, the five characteristic constants consistent with the units given above are

$$A_0 = 1.176 \times 10^4$$

$$a = 0.9596$$

$$B_0 = 0.2245 \quad (1a)$$

$$b = 0$$

$$c = 3740.7$$

It may be noted that the Beattie-Bridgeman equation cannot be solved explicitly for V as a function of P and T. It is therefore necessary to choose V and T as independent variables in order to evaluate the thermodynamic properties without using an iteration scheme. Cross plottings are then required in order to present the results using P and T as independent variables. This method was used in the plotting of the large scale charts.

An alternate scheme may be used: the Newton-Raphson method of iteration, and solving for V with P and T as the independent variables. Usually the Beattie-Bridgeman equation can be subjected to this method with good results if the series approximation of the Beattie-Bridgeman equation is used as the first approximation of V. The Newton-Raphson method of iteration, together with the series approximation of the Beattie-Bridgeman equation, was used in the calculation of Table 3 (Section IX). The iteration was carried out to within 0.01% of pressure. The calculated p-v-t results are compared with the experimental work of Michels and Wouters as smoothed, constant pressure lines in Fig. 1.

B. Computation of Entropy, Internal Energy, Enthalpy, and Compressibility Factor

One of the Tds equations gives change in entropy in terms of C_v , T, and P at constant V

$$Tds = C_v dT + T \left(\frac{\partial P}{\partial T} \right)_V dv \quad (2)$$

Integrating Eq. (2) gives the total entropy at any state with respect to a reference state

$$S = \left[\int_{V_1}^{V_2} \left(\frac{\partial P}{\partial T} \right)_V dV \right]_T + \left[\int_{T_1}^{T_2} \frac{C_V}{T} dT \right]_V \quad (3)$$

The variance of C_V with respect to temperature at $V=0$ is C_{V_∞} , which is constant in the temperature range of interest. Therefore, the second term of the right-hand side of Eq. (3) becomes

$$\left[\int_{T_1}^{T_2} \frac{C_{V_\infty}}{T} dT \right]_V = \left[C_{V_\infty} \ln T \right]_{T_1}^{T_2} + C \quad (4)$$

The first term on the right-hand side of Eq. (3) can be evaluated from the Beattie-Bridgeman Eq. (1)

$$\left(\frac{\partial P}{\partial T} \right)_V = \frac{R}{V} + \frac{RB_o}{V^2} - \frac{RB_o b}{V^3} + \frac{2cR}{V^2 T^3} + \frac{2cRB_o}{V^3 T^3} - \frac{2cRB_o b}{V^4 T^3} \quad (5)$$

Integrating Eq. (5) in accordance with Eq. (3), and including Eq. (4), we have

$$S = \left[R \ln V - \frac{RB_o}{V} \left(1 - \frac{b}{2V} \right) - \frac{2Rc}{VT^3} \left(1 + \frac{B_o}{2V} - \frac{B_o b}{3V^2} \right) \right]_{V_1}^{V_2} \Big|_{T=\text{const}} + \left[C_{V_\infty} \ln T \right]_{T_1}^{T_2} \Big|_{V=\text{const}} + S'' \quad (6)$$

where s'' is an arbitrary constant of integration. Conforming to the commonly used engineering units as listed in Section II of this report, the expression for entropy values programmed in the digital computer was

$$s = 0.4956 \left[\ln(4.003v) - \frac{B_0}{(4.003v)} - \frac{2c}{(4.003v)(t+459.7)^3} \right. \\ \left. \left(1 + \frac{B_0}{(8.006v)} \right) \right] + 0.7455 \ln(t+459.7) + s'' \quad (6a)$$

where s'' is arbitrarily chosen as -0.85032 so that the entropy value at 14.7 psia and 600 F is the same as Akin's (ref. 3).

From the first and second laws of thermodynamics we may write

$$du = Tds - pdv \quad (7)$$

Substituting in Eq. (2)

$$du = C_v dT + T \left(\frac{\partial P}{\partial T} \right)_V dv - Pdv \\ = C_v dT + \left[T \left(\frac{\partial P}{\partial T} \right)_V - P \right] dv \\ = C_v dT - \left[\frac{\partial(P\tau)}{\partial\tau} \right]_V \quad (8)$$

in which $\tau = \frac{1}{T}$.

Integrating Eq. (8) gives the total internal energy with respect to a reference state

$$u = \left[- \int_{V_1}^{V_2} \left(\frac{\partial(P\tau)}{\partial\tau} \right) v \, dv \right]_{T=\text{const}} + \left[\int_{T_1}^{T_2} c_{v_\infty} \, dT \right]_{v=\text{const}} \quad (9)$$

The Beattie-Bridgeman equation may be rewritten

$$P = \frac{R(1 - \frac{c\tau^3}{V})}{\tau V^2} (V+B) - \frac{A}{V^2} \quad (10)$$

From Eq. (10) we have

$$-\left[\frac{\partial(P\tau)}{\partial\tau} \right]_v = \frac{3Rc\tau^2}{V^2} + \frac{3RcB_o\tau^2}{V^3} - \frac{3RcB_o b\tau^2}{V^4} + \frac{A_o}{V^4} - \frac{A_o a}{V^3} \quad (11)$$

Integrating Eq. (11) in accordance with Eq. (9)

$$u = \left[\frac{A_o}{V} \left(\frac{a}{2V} - 1 \right) - \frac{3Rc}{VT^2} \left(1 + \frac{B_o}{2V} - \frac{B_o b}{3V^2} \right) \right]_{V_1}^{V_2} T = \text{const} \\ + \left[C_{v_\infty} T \right]_{T_1}^{T_2} + u'' \quad (12)$$

In consistent units, the expression for the internal energy function with respect to a reference state becomes

$$u = \frac{1}{(778)(4.003)} \left[\frac{A_o}{(4.003v)} \left(\frac{a}{(8.006v)} - 1 \right) - \frac{3(1544)(c) \left(1 + \frac{B_o}{(8.006v)} \right)}{4.003v(t+459.7)^2} \right] + 0.7455(t+459.7) + u'' \quad (12a)$$

where

u = internal energy (BTU/lb)

v = specific volume (ft^3/lb)

T = absolute temperature ($^{\circ}\text{R}$)

A_o , a , B_o , b and c as given in Eq. (1a)

$u'' = 11.4992$, arbitrarily chosen to agree with
Akin (ref. 3) at 600 F and 14.7 psia

The enthalpy may be computed according to its definition

$$h = u + pv \quad (13)$$

in which

h = BTU/lb

u = BTU/lb from Eq. (12a)

p = psia

v = ft^3/lb

Similarly, the compressibility factor is readily obtained from its definition

$$z = \frac{pv}{RT}$$

or

$$z = 0.37306 \frac{PV}{T} \quad (14)$$

in which

$$p = \text{psia}$$

$$v = \text{ft}^3/\text{lb}$$

$$T = {}^\circ\text{R}$$

C. Construction of the Diagram

In the computation of the thermodynamic functions, a total of about 12,000 combined values of T and V were used as input data. The temperature was in 20 degree intervals from -50 F to 1600 F. About 130 volumes in convenient intervals were used in the range from 0.2 to 500 cu ft per lb. The constant volume lines on the T-s diagrams and the constant temperature lines on the h-s diagram were plotted directly from the computed data. In determining the constant pressure as well as the constant enthalpy lines, cross plottings on large scale graphs were necessary to maintain the degree of accuracy within that of chart reading. Because of the large amount of computed data available, no interpolation or extrapolation was necessary to complete the entire range of diagrams.

D. Independent Checks by Joule-Thomson Data and Michels' Isotherm

Two sources of reliable experimental data are available as independent checks of the accuracy of the completed diagrams. They are Roebuck and Osterberg's Joule-Thomson data, which was used

to check the constant enthalpy lines in the T-s diagram, and Michels' isotherm, used to check the p-v-t relations. Neither set of data covers the entire range of interest. However, they serve as a check in the region where helium deviates mostly from a perfect gas; namely the low temperature and high pressure region. The Joule-Thomson data serves as a reliable indication that the Beattie-Bridgeman equation consistently defines the real properties of helium up to a temperature of 600 F. The justification for extrapolating the thermodynamic functions to higher temperatures (up to 1600 F), lies in the fact that above 600 F the deviation of helium from the perfect gas law is small. Any slight deviation is well represented by the Beattie-Bridgeman equation because of the exactness of its fit with experimental data in the low temperature region of 0 F to 600 F. The experimental Joule-Thomson data of Roebuck and Osterberg is compared with the calculated isenthalpics in Fig. 2. This was accomplished by determining the computed enthalpy at a reference state (usually one atmosphere and the initial experimental temperature) for each isenthalpic. The percent error in describing the isenthalpics was determined as the difference between computed temperature and the experimental temperature divided by the computed temperature, using the reference enthalpy and experimental pressures as the argument.

V

CALCULATION OF CONSTANT-VOLUME SPECIFIC HEAT, CONSTANT-PRESSURE SPECIFIC HEAT, SPECIFIC HEAT RATIO, AND THE VELOCITY OF SOUND

A. The Basic Equations

In the computation of specific heats and their ratios, two basic relations from thermodynamic theory were used:

$$\left(\frac{\partial C_v}{\partial V}\right)_T = T \left(\frac{\partial^2 P}{\partial T^2}\right)_v \quad (15)$$

and

$$C_p - C_v = T \left(\frac{\partial P}{\partial T}\right)_v \left(\frac{\partial V}{\partial T}\right)_p \quad (16)$$

The derivations of these relations may be found in ref. (26) or in other texts on thermodynamics. With the aid of the Beattie-Bridgeman equation

$$\left(\frac{\partial^2 P}{\partial T^2}\right)_v = -\frac{6R_c}{V^2 T^4} - \frac{6R_c B_o}{V^3 T^4} + \frac{6B_o b R_c}{V^4 T^4} \quad (17)$$

Integrating Eq. (15)

$$\Delta C_v = \left[\int_{V_1}^{V_2} T \left(\frac{\partial^2 P}{\partial T^2}\right)_v dv \right]_{T = \text{const}} \quad (18)$$

Substituting Eq. (17) into Eq. (18) and integrating,

$$c_v = \frac{6Rc}{T^3} \left(\frac{1}{V} + \frac{B_o}{2V^2} - \frac{B_o b}{3V^3} \right) + c_{v_\infty} \quad (19)$$

or, in consistent units

$$c_v = \frac{6Rc}{(4.003)(778)T^3} \left(\frac{1}{(4.003v)} + \frac{B_o}{2(4.003v)^2} \right) + c_{v_\infty} \quad (19a)$$

where

$$c_v \text{ and } c_{v_\infty} = \text{BTU/lb F}$$

$$T = {}^\circ R$$

$$v = \text{ft}^3/\text{lb}$$

$$R = 1544$$

$$B_o, b \text{ and } c \text{ as given in Eq. (1a)}$$

Referring to Eq. (16), if c_v is known, then c_p can be determined.

Rearranging the Beattie-Bridgeman equation in the following form:

$$PV^2 = RT(1 - \epsilon)(V + B) - A$$

and differentiating with respect to T at constant pressure,

$$\left(\frac{\partial v}{\partial T} \right)_p = \frac{\left(\frac{2Rc}{VT^3} + R \right) \left(V + B_o - \frac{B_o b}{V} \right)}{2PV - \left(\frac{Rc}{T^2 V^2} \right) \left(V + B_o - \frac{B_o b}{V} \right) - RT \left(1 - \frac{c}{VT^3} \right) \left(1 + \frac{B_o b}{V^2} \right) + \frac{aA_o}{V^2}} \quad (20)$$

Differentiating Eq. (1) with respect to T at constant volume,

$$\left(\frac{\partial P}{\partial T}\right)_V = \frac{R(V+B)}{V^2} \left[1 + \frac{2c}{VT^3} \right] \quad (21)$$

Combining Eq. (20) and (21) into Eq. (16) and using consistent units, Eq. (16) becomes

$$\frac{C_p - C_v}{\frac{T}{(4.003)(778)} \left[\left(\frac{2Rc}{4.003vT^3} + R \right) (4.003v + B_o - \frac{B_o b}{4.003v}) \right]^2} = \frac{288P(4.003v)^3 - \frac{Rc}{T^2}(4.003v + B_o - \frac{B_o b}{4.003v}) - RT(1 - \frac{c}{4.003vT^3}) \left[(4.003v)^2 + B_o b \right] + aA_o}{T^2(4.003v + B_o - \frac{B_o b}{4.003v}) - RT(1 - \frac{c}{4.003vT^3}) \left[(4.003v)^2 + B_o b \right] + aA_o} \quad (22)$$

where

$$C_p \text{ and } C_v = \text{BTU/lb } {}^{\circ}\text{F}$$

$$T = {}^{\circ}\text{R}$$

$$p = \text{psia}$$

$$v = \text{ft}^3/\text{lb}$$

$$R = 1544$$

$$A_o, a, B_o, b \text{ and } c \text{ as given in Eq. (1a)}$$

Note that the term p appears in the right-hand side of Eq. (23). For each given (T, v) input, the term p must be calculated from the equation of state.

The ratio of specific heats is readily obtainable from its definition

$$\gamma = C_p/C_v \quad (23)$$

The velocity of sound at low frequencies is related to the equation of state as

$$v_s^2 = g \left(\frac{\partial p}{\partial \rho} \right)_s = - g V^2 \left(\frac{\partial p}{\partial v} \right)_s \quad (24)$$

This equation may be manipulated by the usual relations among the partial derivatives of thermodynamic functions to give the velocity of sound in terms of the partials of p , T and v . Then

$$v_s^2 = - g V^2 \left(\frac{\partial p}{\partial v} \right)_T + \frac{g V^2 T}{C_v} \left(\frac{\partial p}{\partial T} \right)_V^2 \quad (25)$$

or

$$v_s^2 = \varphi + \psi \quad (26)$$

where

$$\begin{aligned} \varphi &= \frac{g}{4.003} \left[RT - \left(\frac{Rc}{T^2} - RTB_0 + A_0 \right) \frac{2}{4.003v} \right. \\ &\quad \left. - \left(\frac{RcB_0}{T^2} + RTB_0 b - Aa \right) \frac{3}{(4.003v)^2} + \frac{4B_0 b R c}{T^2 (4.003v)^3} \right] \end{aligned}$$

and

$$\psi = \frac{gTV^2}{778C_v} \left[\frac{R(4.003v + B_0 - \frac{B_0 b}{4.003v})(1 + \frac{2c}{4.003vT^3})^2}{(4.003v)^2} \right]$$

where

$$v_s = \text{ft/sec}$$

$$C_v = \text{BTU/lb } {}^{\circ}\text{F}$$

The velocity of sound at low frequencies is related to the equation of state as

$$v_s^2 = g \left(\frac{\partial p}{\partial v} \right)_s = - g V^2 \left(\frac{\partial p}{\partial v} \right)_s \quad (24)$$

This equation may be manipulated by the usual relations among the partial derivatives of thermodynamic functions to give the velocity of sound in terms of the partials of p , T and v . Then

$$v_s^2 = - g V^2 \left(\frac{\partial p}{\partial v} \right)_T + \frac{g V^2 T}{C_v} \left(\frac{\partial p}{\partial T} \right)_v^2 \quad (25)$$

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and

$$\psi = \frac{gTV^2}{778C_v} \left[\frac{R(4.003v + B_0 - \frac{B_0 b}{4.003v})(1 + \frac{2c}{4.003vT^3})^2}{(4.003v)^2} \right]$$

where

$$V_s = \text{ft/sec}$$

$$C_v = \text{BTU/lb } {}^{\circ}\text{F}$$

$$T = {}^{\circ}R$$

$$V = \text{ft}^3/\text{lb}$$

$$g = 32.2 \text{ ft/sec}^2$$

$$R = 1544$$

A_o , a , B_o , b and c are the same as given in Eq. (la).

B. Discussion

The accuracy of the computed values of C_p , C_v , V_s , and γ is not well substantiated, due to the lack of experimental data. However, the results presented in this section of the report do not differ greatly from those predicted from the perfect gas equation, and are consistent with the available experimental data. Therefore, it is expected that the results presented for C_p , C_v , V_s , and γ do not deviate substantially from the true values of these properties.

The calculated values for z should be of the same order of accuracy as the p-v-t relations.

Blank

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VI

CALCULATION OF ABSOLUTE VISCOSITY, HEAT CONDUCTIVITY, AND PRANDTL NUMBER

A. Viscosity

The viscosity of helium may be represented by the well-known equation derived from statistical mechanics

$$\eta = 266.93 (MT)^{1/2} r_o^{-2} J$$

where J is a function which depends on the form of the potential. The potential suggested by Kestin (ref. 31) is the Buckingham "exp-six" potential. Using this potential and conforming to the nomenclature of Mason (ref. 37), J becomes

$$J(kT/\epsilon, \alpha) = f_\eta^{(3)} / z^{(2,2)} \left[(kT/\epsilon)(1-6/\alpha) \right]^{1/3} \quad (28)$$

where $f_\eta^{(3)}$, $z^{(2,2)}$ are tabulated collision integrals derived from the form of the potential and given as a function of kT/ϵ and α by Mason. Kestin found the values of ϵ and r_o from experimental viscosity data, for $\alpha = 12.4$, to be

$$\begin{aligned} r_m &= 3.225 \text{ } \overset{\circ}{\text{A}} \\ \epsilon &= 8.948 \times 10^{-16} \text{ erg} \\ \epsilon/k &= 6.482 \text{ } ^\circ\text{K} \end{aligned}$$

where

η = viscosity (poise)

M = molecular weight (4.003)

T = absolute temperature ($^{\circ}$ K)

$-\epsilon$ = minimum potential energy of the force potential
(ergs)

k = Boltzmann's constant

r_m = effective collision diameter at $(-\epsilon)$ in ${}^{\circ}$ A

Our computed results, using the same experimental data, are

$$r_m = 3.256 \text{ } {}^{\circ}\text{A}$$

$$\epsilon = 8.0245 \times 10^{-16} \text{ erg}$$

$$\epsilon/k = 5.813 {}^{\circ}\text{K}$$

However, the difference between the calculated results using either set of data are virtually insignificant.

Eq. (28) describes the viscosities of helium with a maximum error of 0.5% in the temperature range of 0 F to 500 F. The uncertainty will probably increase to about 1% at 1000 F and should not exceed 2% at 1600 F.

The viscosity of helium may also be represented by Keesom's equation within the same accuracy as Eq. (28). Keesom's equation with the empirical constants suggested by Dennison (ref. 13) is

$$\mu = 6.7 \times 10^{-4} T^{0.68} \quad (29)$$

where

μ = viscosity (lb/ft-hr)

T = absolute temperature ($^{\circ}$ R)

B. Heat Conductivity

1. At Atmospheric Pressure

As stated earlier, an attempt was made to predict the thermal conductivities of helium by known methods from statistical mechanics by using the force constant ϵ/k , and effective collision diameter r_m , determined from experimental viscosity data. The heat conductivities of helium could not be predicted by this method within experimental accuracy of the data presented by Comings (ref. 11), Johnston and Grilly (ref. 23), Kannuluik and Carman (ref. 25), Cheung (ref. 10), and Keyes (ref. 35). However, the values ϵ/k and r_m may also be determined from experimental heat conductivity data.

Vodar (ref. 51) estimates that the accuracy of his measurements is within 1%. This high degree of accuracy enables Vodar's results to be used in determining ϵ/k and r_m . The equation of heat conductivity derived from statistical mechanics, conforming to the nomenclature of Mason and Rice (ref. 38, 39) and using the modified Buckingham "exp-six" force potential, is

$$10^7 \lambda = \frac{1989.1 T^{1/2} f_{\lambda}^{(3)}(\alpha, T^*)}{M^{1/2} r_m^2 Z^{(2,2)}} \quad (30)$$

where

λ = thermal conductivity (cal/cm-sec)
 T = absolute temperature ($^{\circ}$ K)
 $T^* = \frac{kT}{\epsilon}$
 k = Boltzmann's constant
 ϵ = depth of potential energy minimum
 r_m = position of potential energy minimum
 M = molecular weight
 $f_{\lambda}^{(3)}$ = transport collision integral
 $Z^{(2,2)}$ = collision integral
 α = parameter in mod-Buckingham "exp-six" force potential

The evaluated parameters for helium, using the above method, are

$$r_m = 3.0734$$

$$\epsilon = 18.7 \times 10^{-16} \text{ erg}$$

Note that these values are somewhat different than those determined from experimental viscosity data. The heat conductivity derived from elementary kinetic theory is

$$K = FC_v \mu \quad (31)$$

where

$F = 2.5$ for monatomic gas

C_v = specific heat at constant volume

μ = viscosity

Eq.(30) may also be expressed as

$$\lambda = F \eta \frac{C_V}{M} \frac{f_\lambda(3)}{f_\eta(3)} \quad (32)$$

If the constant F in Eq. (31) and (32) is chosen to be 2.4 (derived value = 2.5), and using the ϵ/k and r_m as determined from viscosity data, the calculated results of Eq. (31) and (32) agree well with the experimental data.

A graphical comparison is given in Fig. 3 of Eq. (30) (using ϵ/k and r_m as determined from heat conductivity data) with Eq. (31), (32) and experimental data. The same data is compared to Eq. (32) in Fig. 4. Both equations agree with the experimental data with about the same accuracy. However, since Eq. (32) appears to offer the best fit, it was used to prepare the heat conductivity charts. No attempt was made to correlate the experimental data at atmospheric pressure by a purely numerical technique, since extrapolation to high temperatures on that basis would be invalid. It may be noted that all three equations agree with the experimental data fairly well. The results of extrapolation to higher temperatures with these equations agree within 2% at 1600 F. Although it is recognized that this accuracy is not the true accuracy of the extrapolation, it is believed that the extrapolated values at 1600 F are probably reliable within 5%.

2. Pressure Effect

An attempt has failed to predict accurately the pressure effect on the heat conductivity of helium within the estimated experimental error of Vodar's data. The Enskog theory of dense gases, and the empirical relationships derived from this theory were the methods used. Although these methods failed to predict and correlate the pressure effect, it is interesting to compare the analytical and experimental results, especially because helium is a monatomic gas and closely approximates the model assumed in theory.

According to Enskog's theory, the pressure effect for monatomic gases should take the form

$$\frac{\lambda}{\lambda_0} \frac{V}{b_0} = \frac{1}{y} + 1.2 + 0.755y \quad (33)$$

For rigid spherical molecules in the regions of low and moderate densities

$$y = \left(\frac{b_0}{V}\right) + 0.6250\left(\frac{b_0}{V}\right)^2 + 0.2869\left(\frac{b_0}{V}\right)^3 + 0.1150\left(\frac{b_0}{V}\right)^5 + \dots \quad (34)$$

The specific volumes are given in Tables 1, 2 and 3. The second virial coefficient for hard spheres (b_0) may be determined by several methods. The classical equation is

$$b_0 = \frac{2}{3} \pi N_0 r_m^3 \quad (35)$$

The value of r_m as determined from the experimental viscosity data is

$$r_m = 3.225 \text{ } \overset{\circ}{\text{A}}$$

The results using this method are presented in Table 1.*

TABLE 1

Psia	100°F			200°F			400°F			600°F		
	K Calc	K Obs	% Diff									
14.7	0.0890	0.0890		.0986	.0986	0	.1178	.1178	0	.1370	.1370	0
100	0.0892											
500	0.0898			.0993			.1184	.1224	3.3	.1375	.1423	3.4
1000	0.0905	0.0930	2.7	.1000	.1034	3.3	.1190	.1238	3.8	.1380	.1432	3.6
1500	0.0913	0.0938	2.7	.1007	.1042	3.4	.1195	.1243	3.9	.1385	.1437	3.6
2000	0.0921	0.0945	2.5	.1014	.1048	3.2	.1201	.1250	3.9	.1390	.1442	3.6
2500	0.0928	0.0951	2.4	.1021	.1055	3.2	.1207	.1255	3.8	.1395	.1446	3.5

The second virial coefficient for hard spheres may also be determined by

$$b_0 = B + T \frac{dB}{dT} \quad (36)$$

The second virial coefficient (B) may be predicted from theory if the values of r_m and ϵ/k are known. The calculated second virial coefficients, using r_m and ϵ/k as determined from experimental viscosity data, are compared with experimental second virial coefficients in Fig. 5. The calculated curve was fitted by a fourth order polynomial and is represented by

* The observed values in Table 1 and 2 were determined by graphical interpolation of the observed data, in order to facilitate the calculations.

$$B(T) = 16.032 - 1.8129 \times 10^{-2}T + 2.3676 \times 10^{-5}T^2 \\ (37)$$

$$- 1.6833 \times 10^{-8}T^3 + 4.5151 \times 10^{-12}T^4$$

This made it possible to evaluate (b_o) from Eq. (36). These results were used in Eq. (33) and (34) to predict the values λ/λ_o , which are compared with the experimental data in Table 2.

TABLE 2

Press (PSIA)	100°F			200°F			400°F			600°F		
	K Calc	K Obs	% Diff									
14.7	.0890	.0890	0	.0986	.0986	0	.1178	.1178	0	.1370	.1370	0
500	.0897			.0992			.1183	.1224	3.4	.1375	.1423	3.4
1000	.0903	.0930	2.9	.0998	.1034	3.5	.1188	.1238	4.0	.1379	.1432	3.7
1500	.0910	.0938	3.0	.1004	.1042	3.6	.1193	.1243	4.0	.1384	.1437	3.7
2000	.0917	.0945	3.0	.1010	.1048	3.6	.1199	.1250	4.1	.1388	.1442	3.7
2500	.0924	.0951	2.8	.1016	.1055	3.7	.1204	.1255	4.1	.1393	.1446	3.7

According to the theory, $\left[\frac{\lambda}{\lambda_o} \frac{V}{b_o} \right]_{\min} = 2.938$. An attempt was made to use this relationship by plotting $\frac{\lambda_{exp}}{p}$ versus p .

However, due to the lack of sufficient experimental data, this method was not used. It is expected that the minimum might occur at approximately 10,000 to 12,000 psia (experimental results were from 14.7 to about 2500 psia). Johannin (ref. 21) was successful in applying the above method to the pressure effect on the heat conductivity of N_2 .

y may also be expressed as

$$y = \frac{V}{RT} \left[T \left(\frac{\partial P}{\partial T} \right)_V \right] - 1 \quad (38)$$

Using the Beattie-Bridgeman equation, Eq. (38) becomes

$$y = \frac{B_o}{V} - \frac{B_o b}{V^2} + \frac{2c}{VT^3} + \frac{2cB_o}{V^2T^3} - \frac{2cB_o b}{V^3T^3}$$

Substituting the values of the constants, B_o , b , and c , the above equation becomes

$$y = \frac{0.2245}{V} + \frac{7481.4}{VT^3} + \frac{1679.6}{V^2T^3} \quad (39)$$

Therefore, y may be evaluated for any P and T combination. The calculated results, using Eq. (39) with various values of (b_o), failed to increase the accuracy of the correlations and were therefore discarded. The inability of Eq. (39) to give the proper relationships is not surprising, since the Beattie-Bridgeman equation does not predict the proper second virial coefficient for helium (ref. 18), even though it does represent the p-v-t data.

It is interesting to note that the differences between the calculated results and the experimental data are consistent and nearly constant for pressures greater than 1000 psia. Therefore, the theory fails to represent the pressure effect in the moderate pressure range (14.7 to 1000 psia), but does represent the

correct trend in the pressure region from 1000 to 2500 psia.

An attempt was made to correlate the pressure effect using Keyes' empirical relationship for monatomic gases, which assumes that the difference between the heat conductivity at a particular pressure and at atmospheric pressure is independent of temperature. The pressure effect along the 571 F isotherm was correlated by

$$K - K_0 = 1.729 \times 10^{-3} (P-1)^{0.28} \quad (40)$$

where P is in atmospheres.

The results are presented in Fig. 6 as a percent deviation from observed data. The heat conductivity at atmospheric pressure was determined from Eq. (32). Fig. 7 represents the percent deviation using the experimental data at 1 atmosphere. There appears to be a definite increase in the pressure effect with an increase in temperature. This is not only apparent in the $\lambda - \lambda_0$ calculation, but also in the λ / λ_0 ratio, which takes the form presented in theory. Enskog's theory predicts that the pressure effect should decrease with increasing temperature. The discrepancy between theory and observed data of the pressure effect on the heat conductivity of helium is, indeed, surprising.

It appears that no simple relations can be used to describe the pressure effect as a function of temperature. Therefore, a

graphical interpretation might be less misleading than trying to describe the pressure effect as a function of temperature by a pure empirical formula. This was done, and the results are presented as a large scale graph, which is available on request. In the temperature range from 0 F to 700 F, the curve was fitted to within 2% of the experimental data. The extrapolation to temperatures above 700 F was based on the empirical relationship that assumes $\lambda - \lambda_0$ is independent of temperature. It is realized that this relationship is not consistent with the observed data. There appears to be no satisfactory explanation from theory, and since the objective of this report is to determine the heat conductivity as accurately as possible in the temperature and pressure range of power cycle applications, it is believed justifiable to extrapolate the experimental data in the manner described above. Although the true relationship of the pressure effect with temperature was not determined, it does not appear that the pressure effect at 2500 psia and 1600 F would deviate more than 5% of the heat conductivity at 1 atmosphere and 1600 F.

C. Prandtl Number

The Prandtl number of helium may be calculated directly from the data for specific heat at constant pressure, viscosity, and heat conductivity. The Prandtl number is defined by

$$N_{p_r} = \frac{C_p \mu}{k} \quad (41)$$

The calculated results are presented in Fig. 17. It may be noted that the Prandtl number of helium at atmospheric pressure is nearly independent of temperature in the temperature range of 0 F to 1000 F, and that the pressure effect is due almost entirely to the pressure effect on heat conductivity.

The results are expected to be reliable to within 3% in the temperature range of 0 F to 700 F and within 6% in the temperature range of 700 F to 1600 F.

VII

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VIII
FIGURES

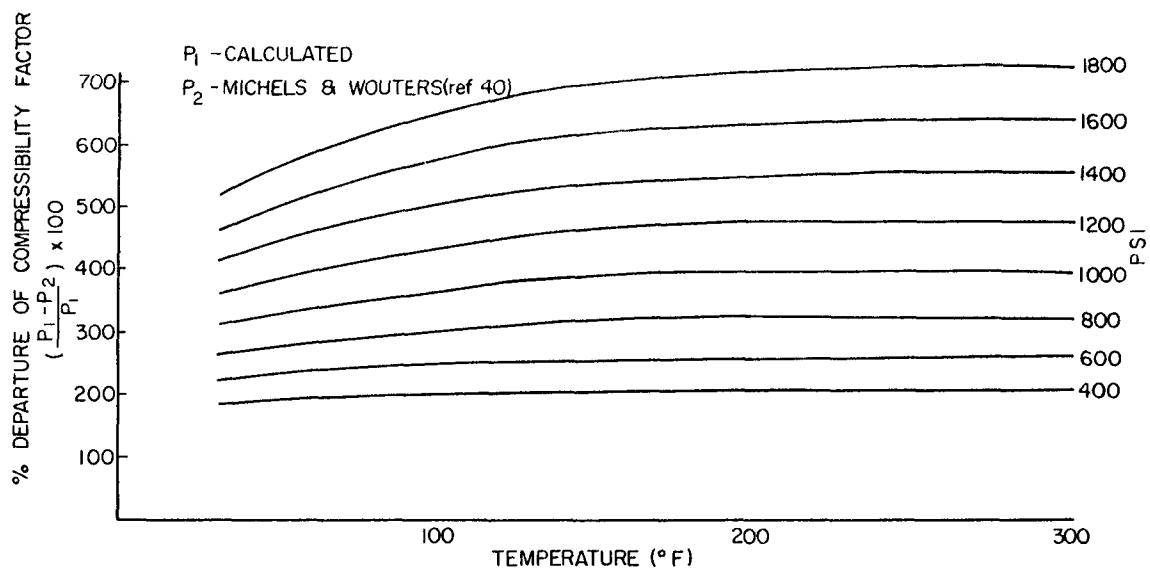


FIGURE 1 COMPARISON OF COMPRESSIBILITY DATA FOR HELIUM

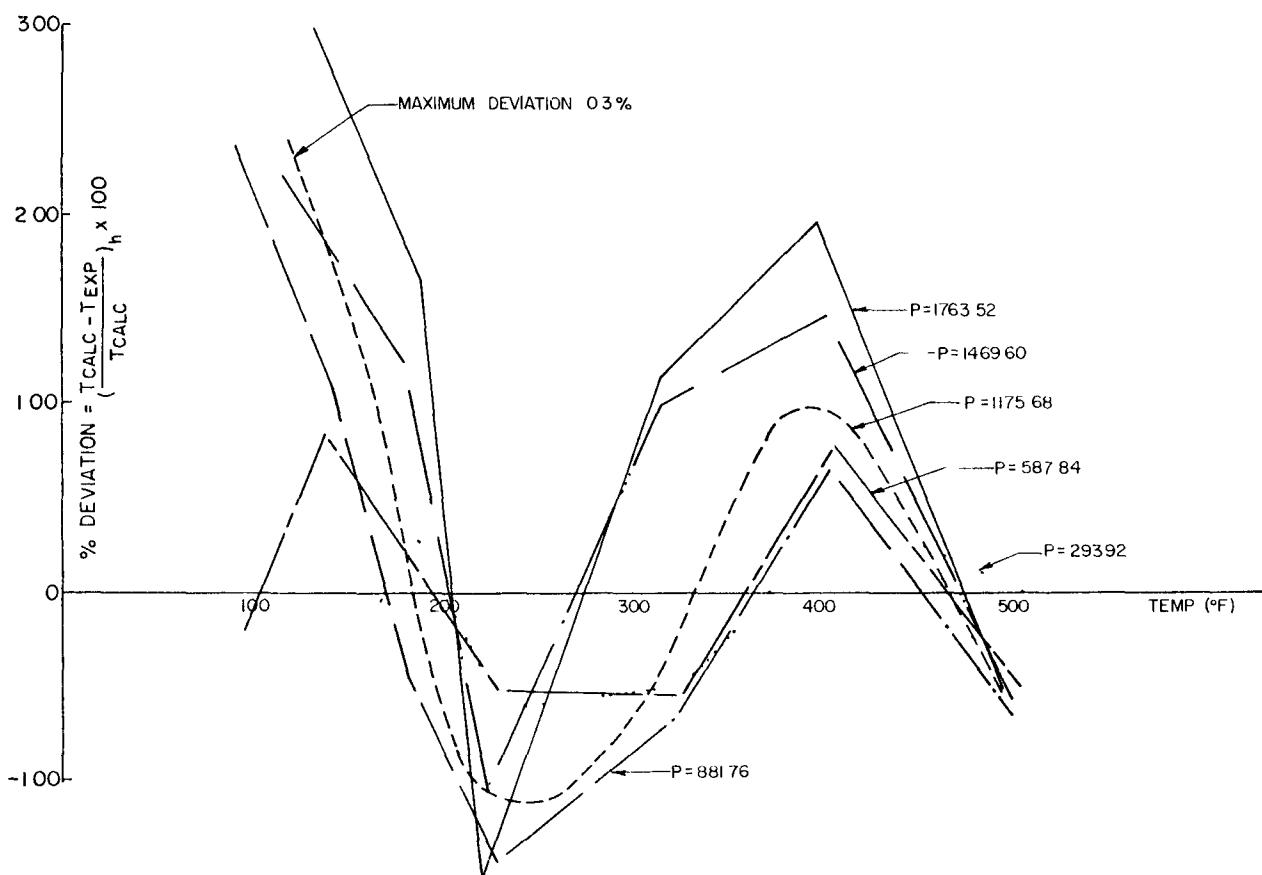


FIGURE 2 PERCENT DEVIATION OF CALCULATED JOULE - THOMSON DATA WITH EXPERIMENTAL DATA

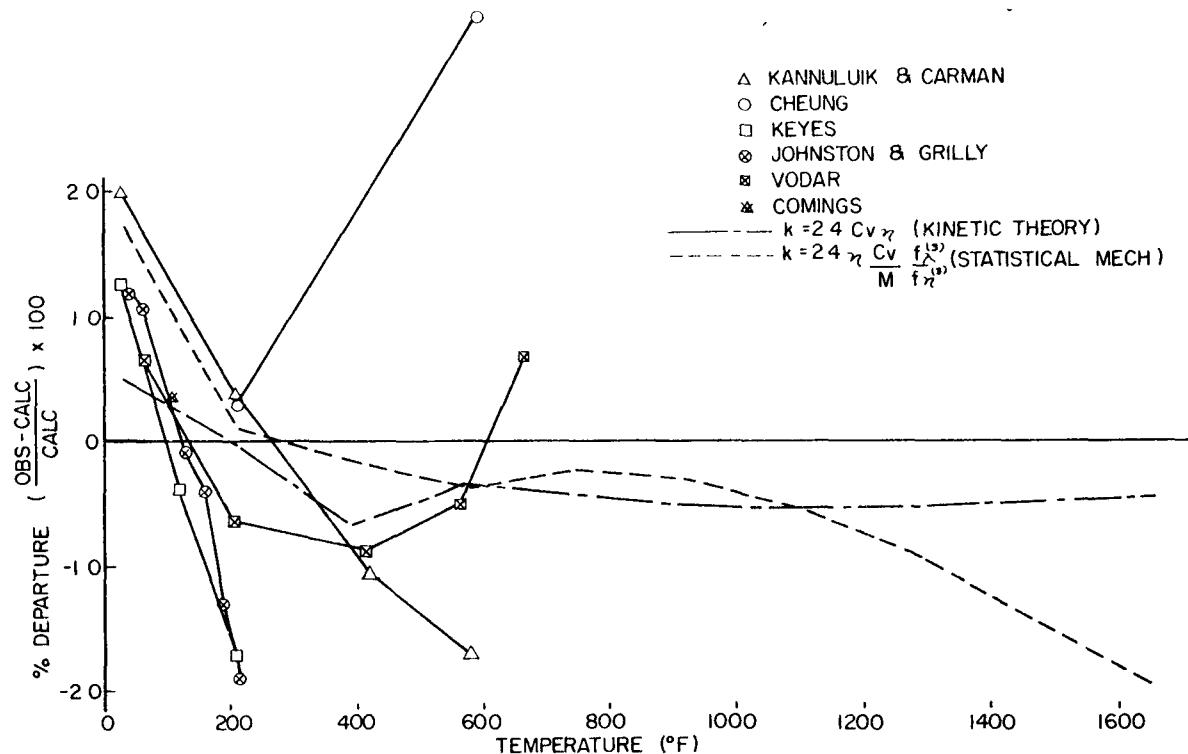


FIGURE 3 COMPARISON OF EQ (30) WITH EQ (31), (32) AND EXPERIMENTAL HEAT CONDUCTIVITY DATA

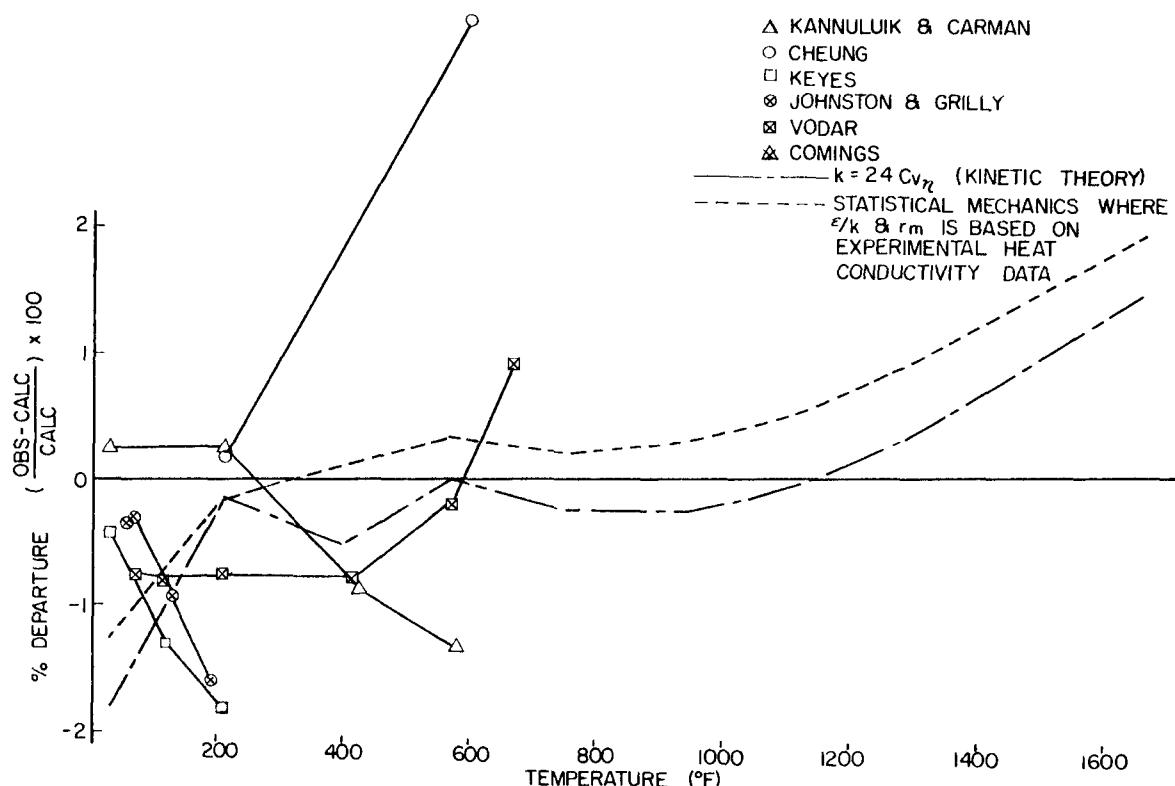


FIGURE 4 COMPARISON OF EQ (32) WITH EQ (30), (31) AND EXPERIMENTAL HEAT CONDUCTIVITY DATA

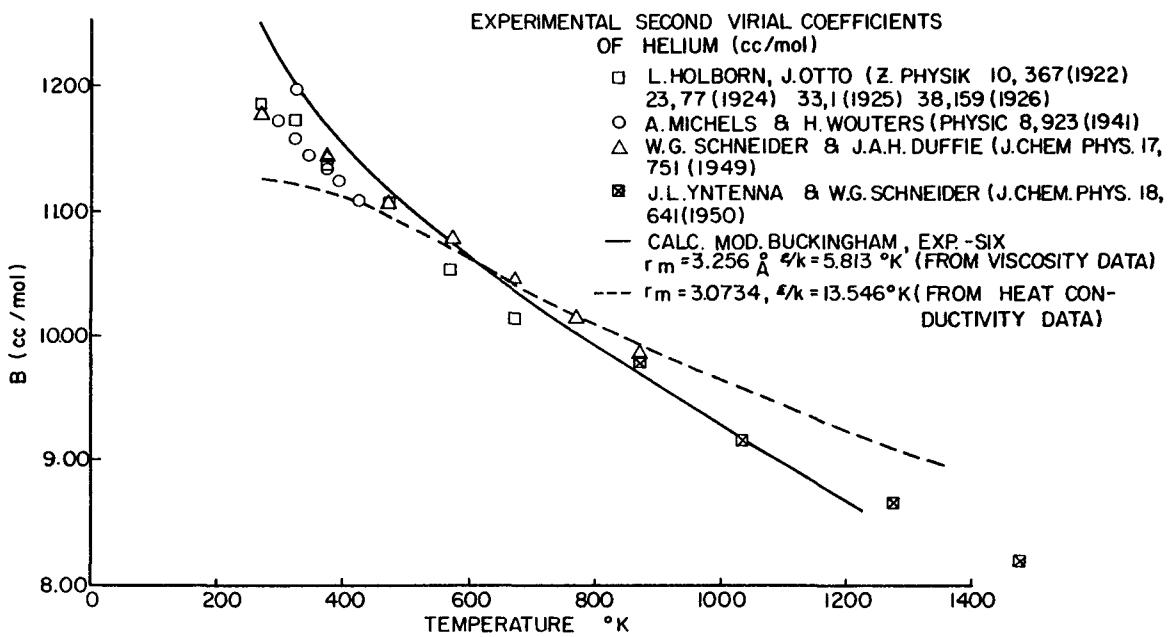


FIGURE 5 COMPARISON OF EXPERIMENTAL & CALCULATED SECOND VIRIAL COEFF.
USING BUCKINGHAM "EXP.-SIX" FORCE POTENTIAL AND ϵ/k AND r_m
AS DETERMINED FROM VISCOSITY DATA

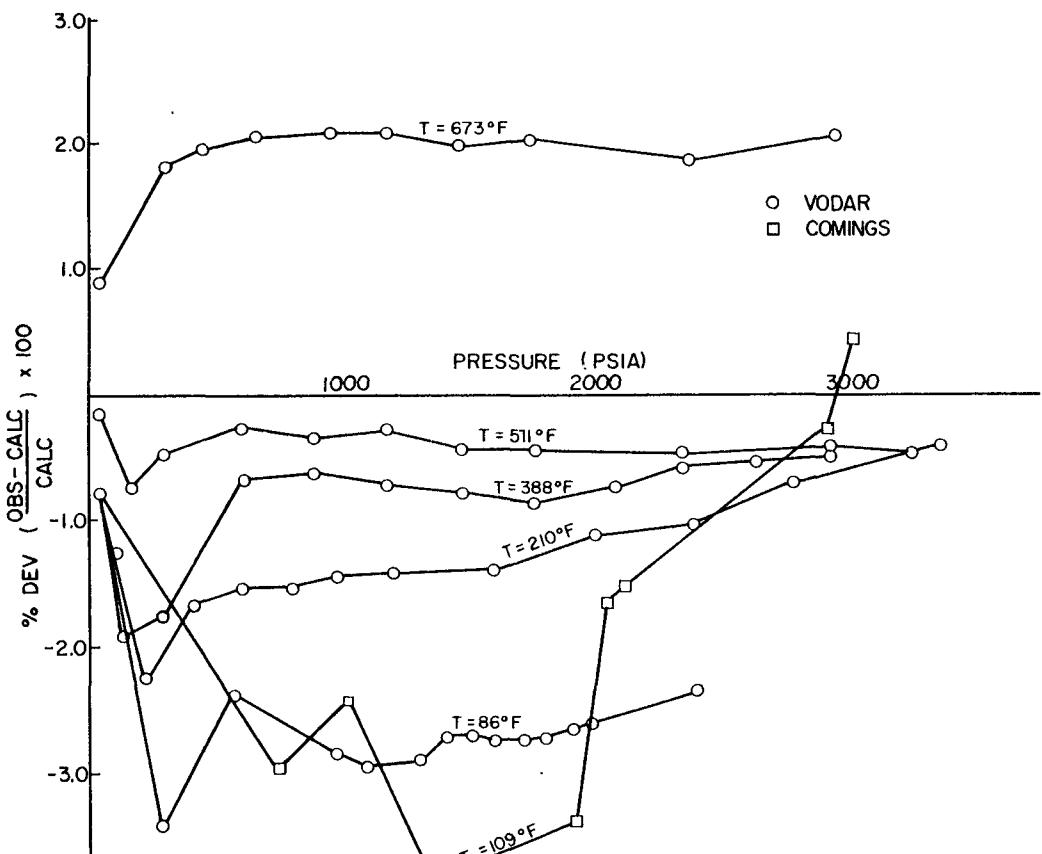


FIGURE 6 COMPARISON OF EXPERIMENTAL HEAT CONDUCTIVITY PRESSURE
EFFECT WITH EQ.(40) USING EQ.(32) AT ATMOSPHERIC PRESSURE

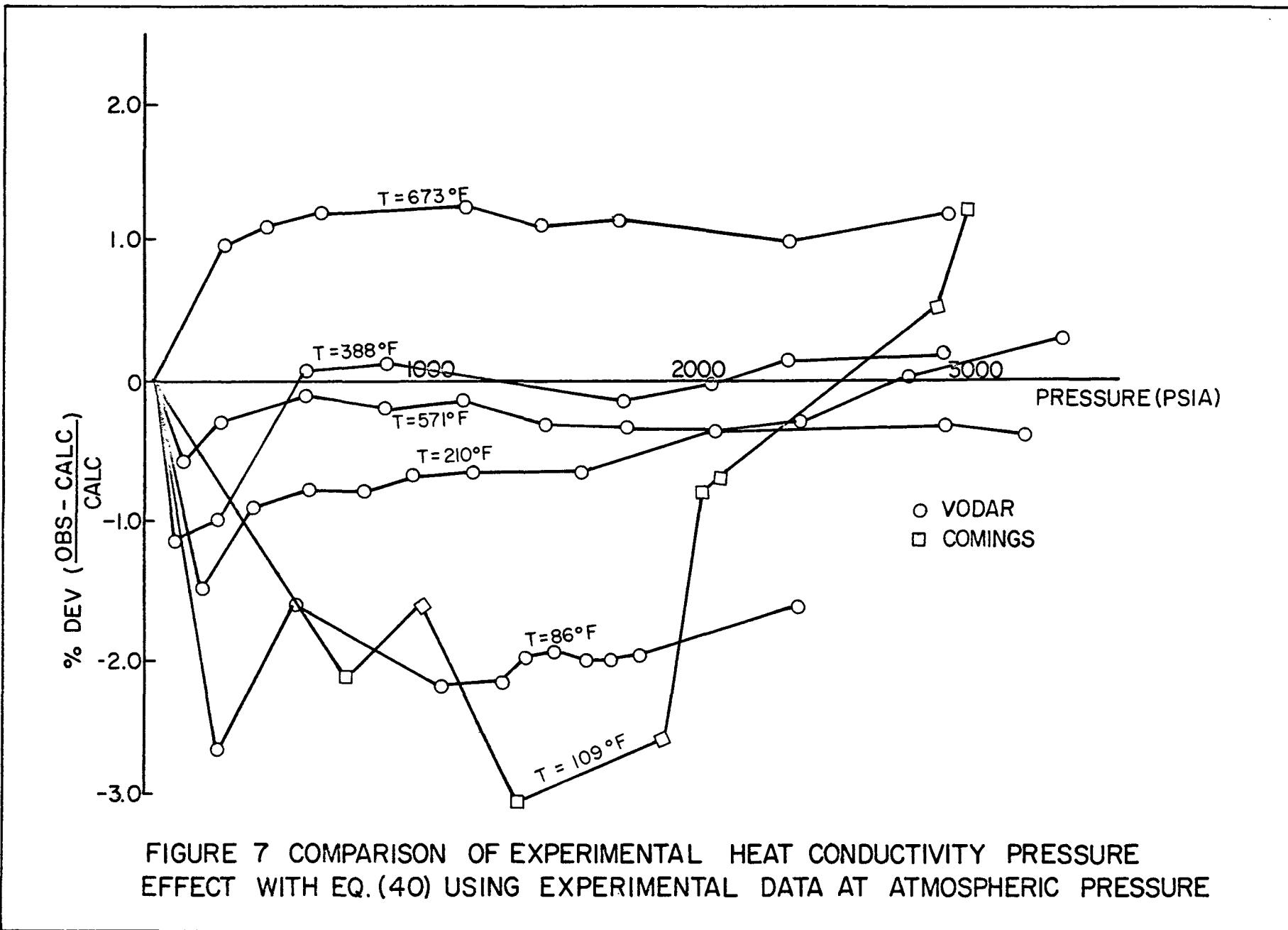
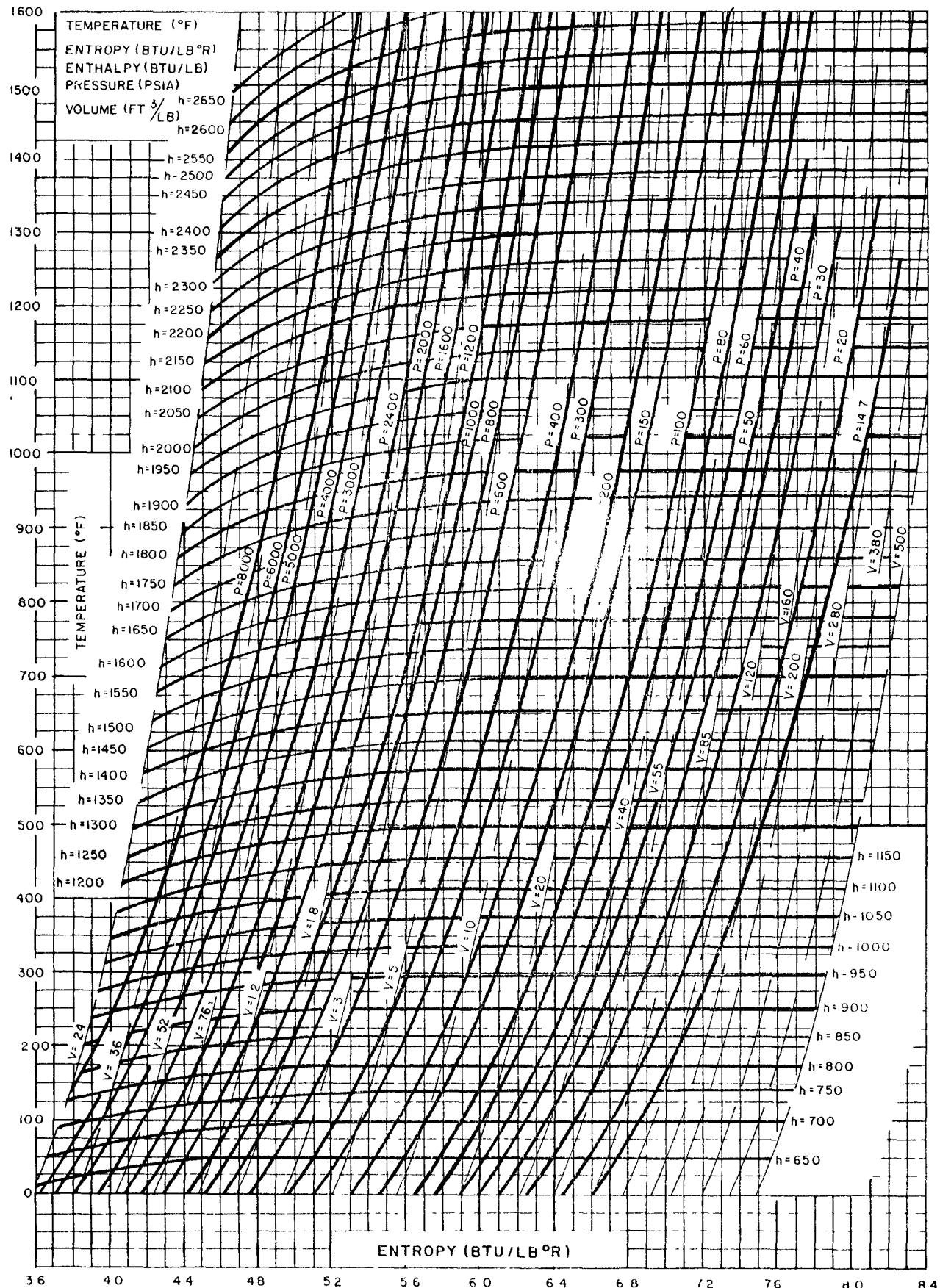
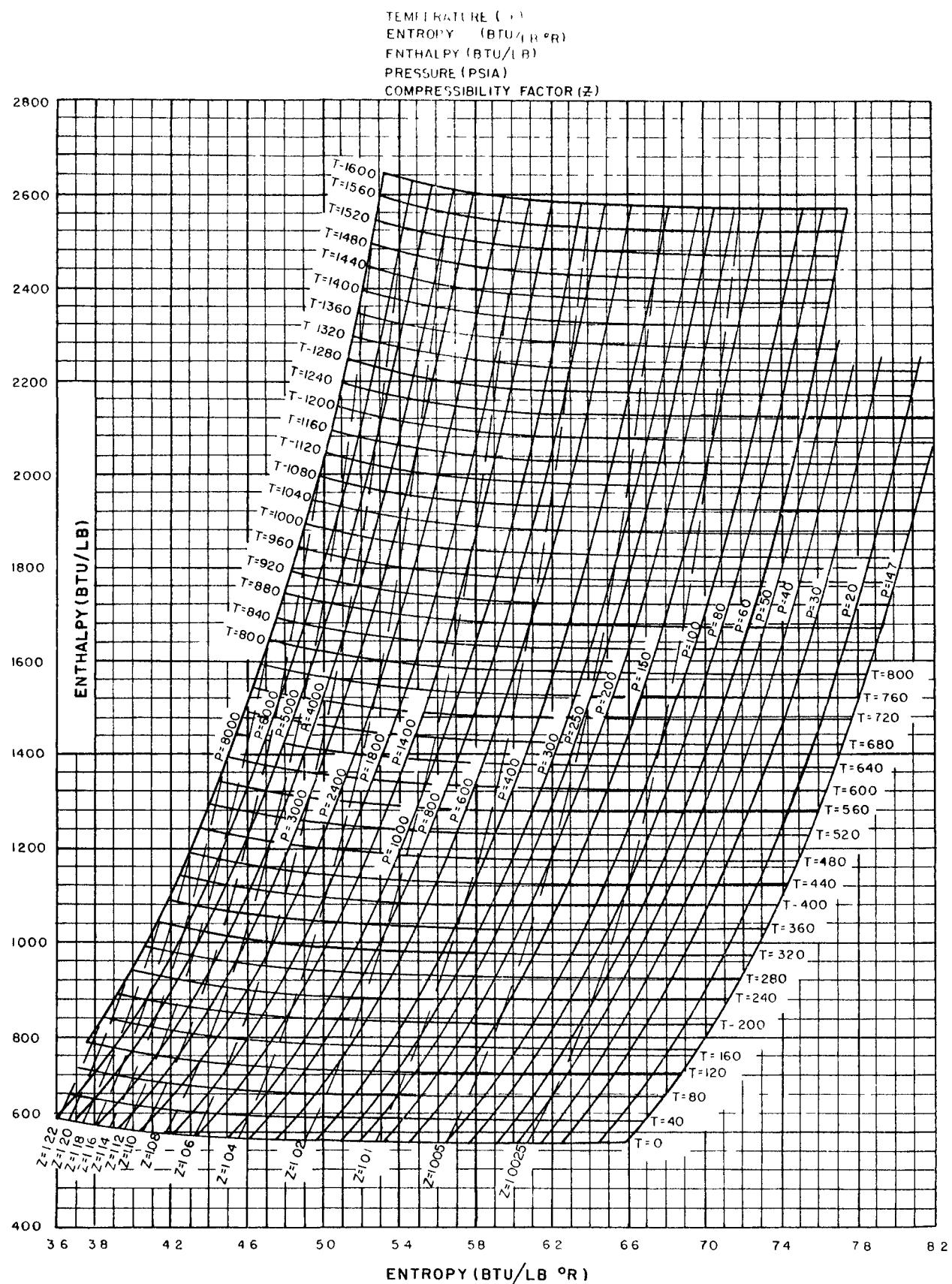


FIGURE 7 COMPARISON OF EXPERIMENTAL HEAT CONDUCTIVITY PRESSURE EFFECT WITH EQ. (40) USING EXPERIMENTAL DATA AT ATMOSPHERIC PRESSURE



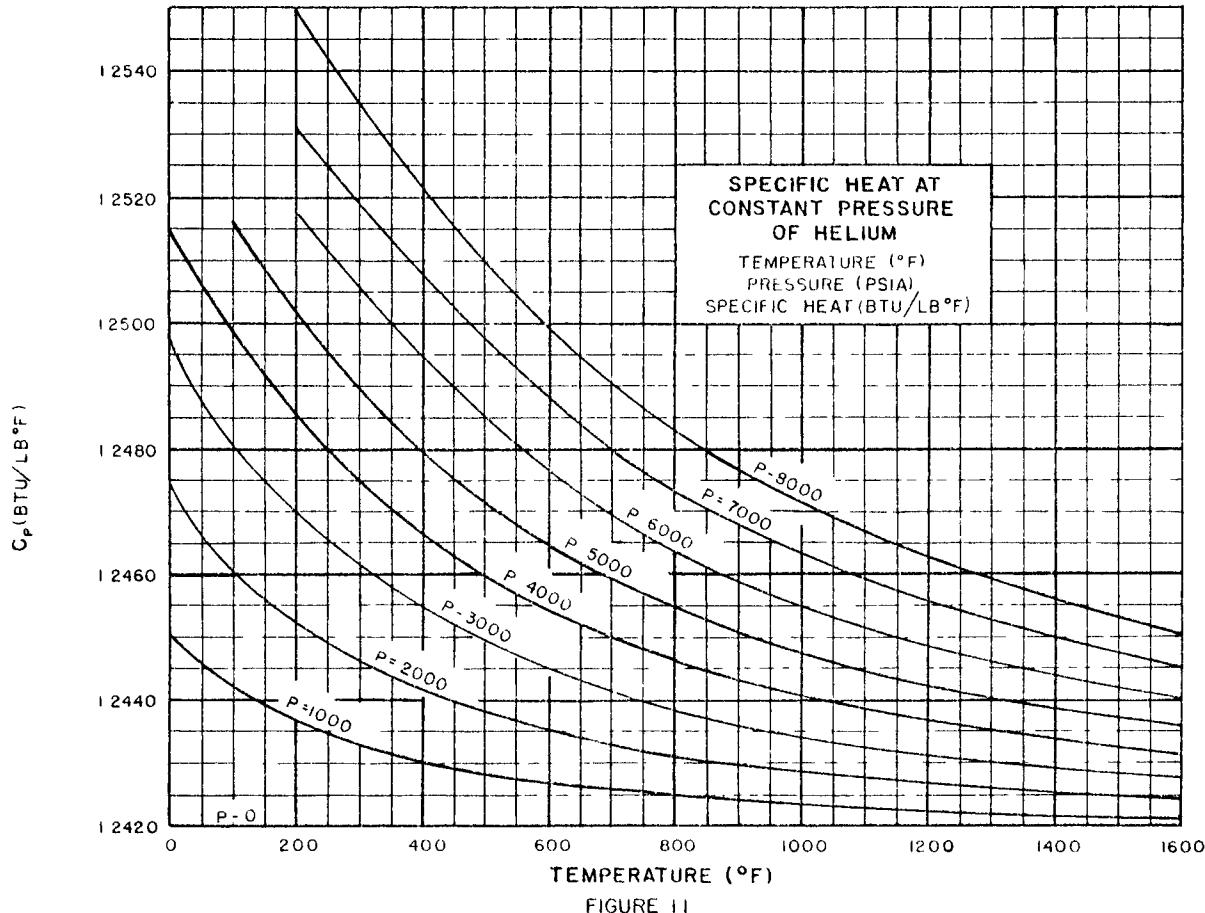
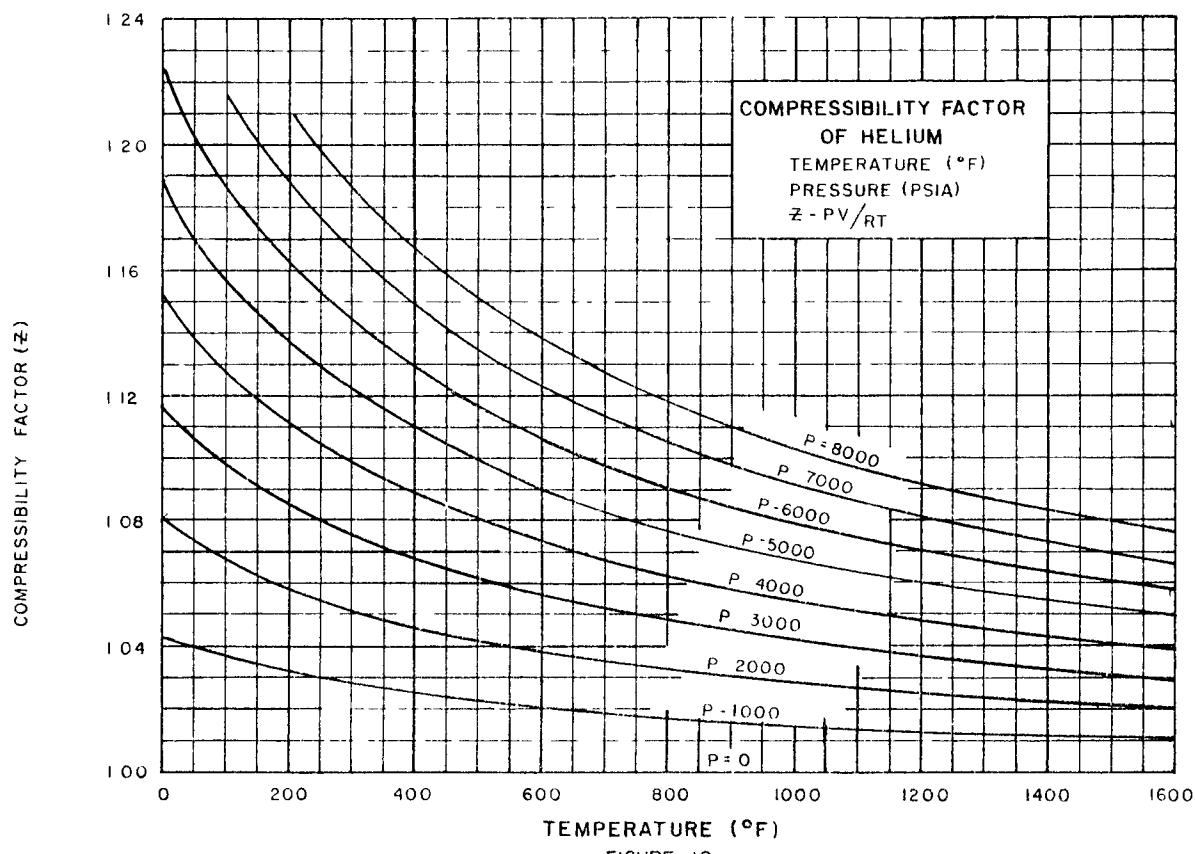
TEMPERATURE ENTROPY DIAGRAM FOR HELIUM

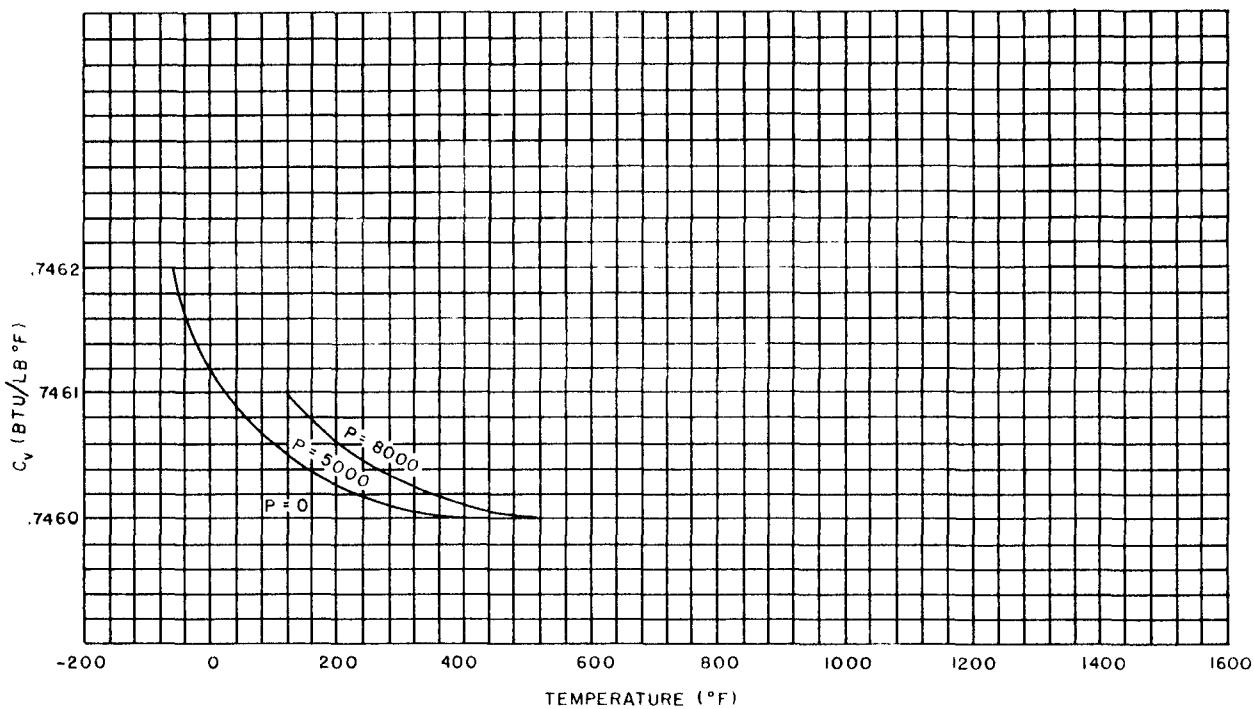
FIGURE 8



ENTHALPY - ENTROPY DIAGRAM FOR HELIUM

FIGURE 9





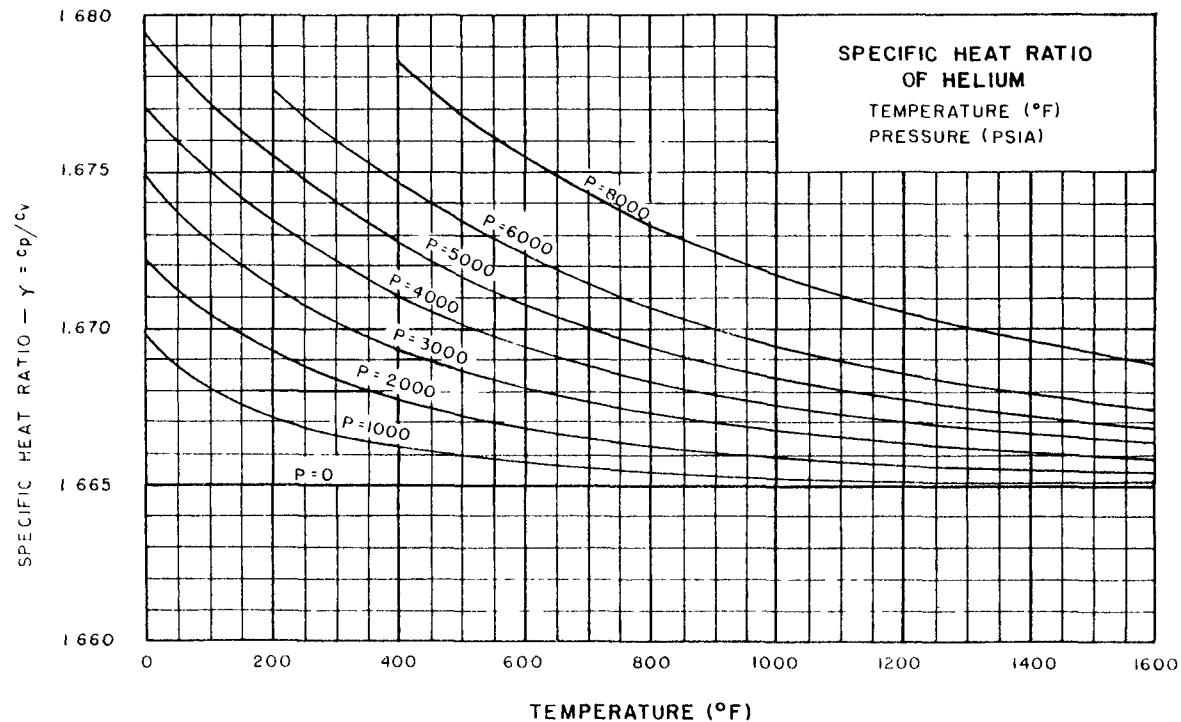
SPECIFIC HEAT AT CONSTANT VOLUME OF HELIUM

TEMPERATURE (°F)

PRESSURE (PSIA)

SPECIFIC HEAT (BTU/LB °F)

FIGURE 12

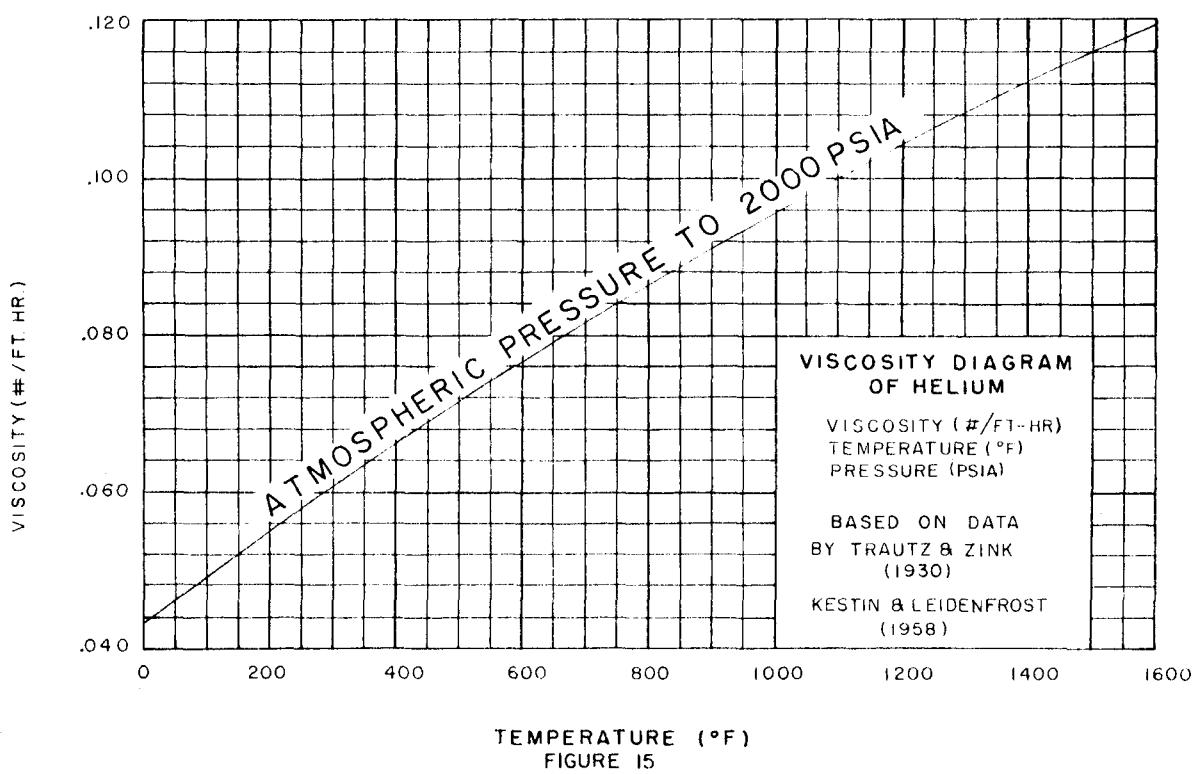
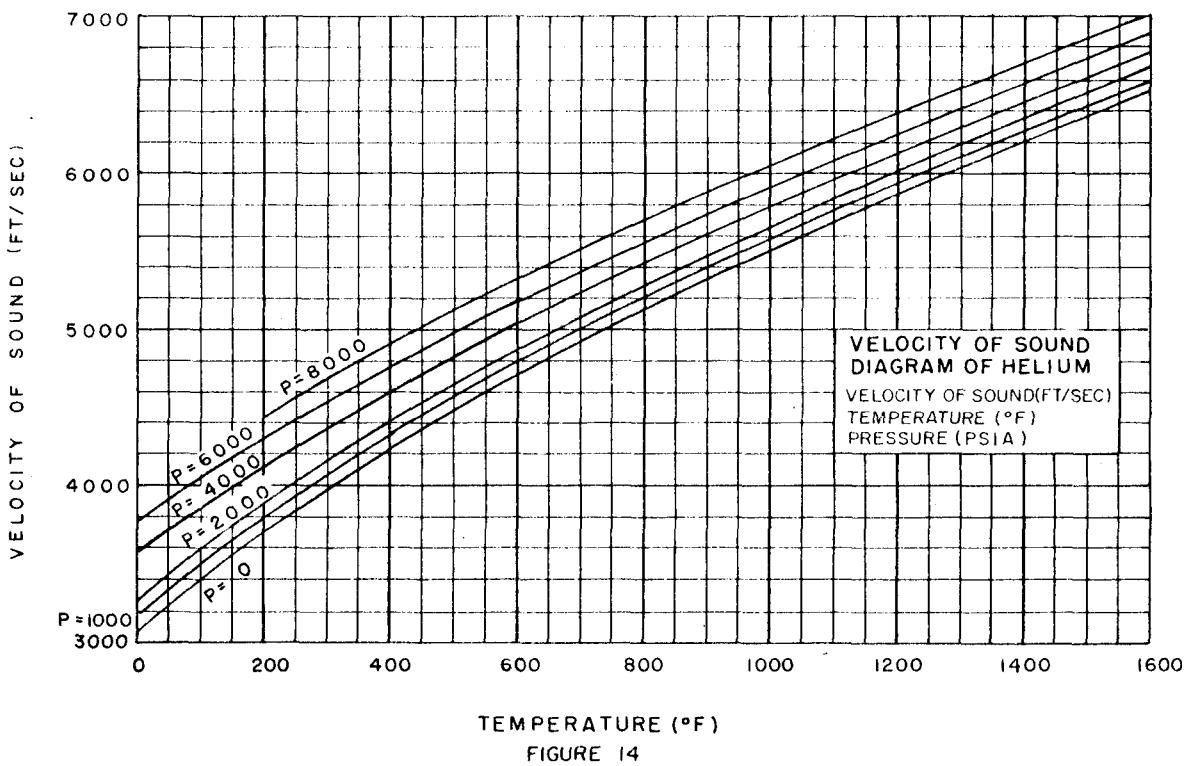


SPECIFIC HEAT RATIO
OF HELIUM

TEMPERATURE (°F)

PRESSURE (PSIA)

FIGURE 13



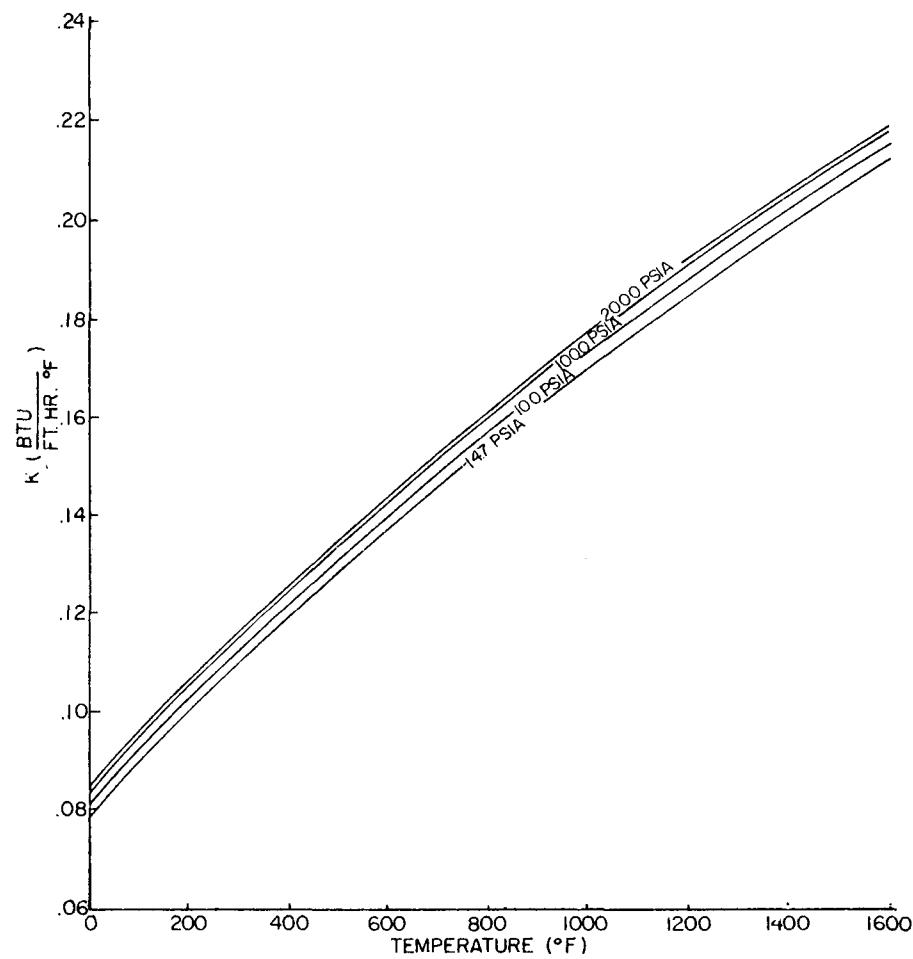


FIGURE 16
HEAT CONDUCTIVITY OF HELIUM

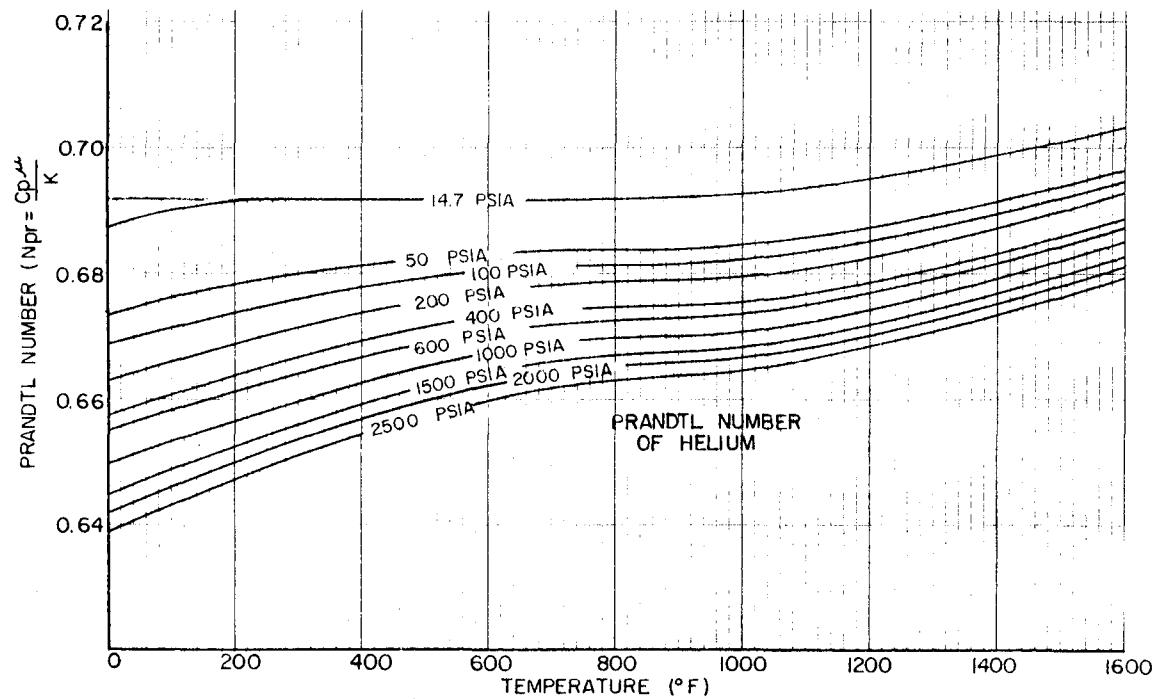


FIGURE 17

IX

PRESSURE-VOLUME-TEMPERATURE TABLE (Table 3)

"V" stands for specific volume (ft^3/lb)

"H" stands for enthalpy (BTU/lb)

"S" stands for specific entropy (BTU/lb $^{\circ}\text{R}$)

Total temperatures in degrees F

PRESSURE PSIA		TEMPERATURE									
		0	20	40	60	80	100	120	140	160	
14.696	V	83.8367	87.4822	91.1276	94.7730	98.4184	102.0638	105.7092	109.3546	113.0000	
	H	582.15	606.98	631.80	656.62	681.45	706.27	731.09	755.91	780.74	
	S	6.6020	6.6549	6.7056	6.7543	6.8012	6.8463	6.8899	6.9320	6.9727	
16	V	77.0083	80.3566	83.7050	87.0533	90.4016	93.7499	97.0982	100.4465	103.7948	
	H	582.16	606.99	631.81	656.63	681.46	706.28	731.10	755.93	780.75	
	S	6.5599	6.6128	6.6635	6.7122	6.7590	6.8042	6.8478	6.8899	6.9306	
20	V	61.6170	64.2957	66.9744	69.6531	72.3318	75.0105	77.6891	80.3678	83.0464	
	H	582.20	607.02	631.85	656.67	681.49	706.32	731.14	755.96	780.79	
	S	6.4493	6.5022	6.5529	6.6016	6.6484	6.6936	6.7372	6.7793	6.8200	
24	V	51.3562	53.5885	55.8207	58.0530	60.2853	62.5175	64.7498	66.9820	69.2142	
	H	582.24	607.06	631.88	656.71	681.53	706.35	731.18	756.00	780.82	
	S	6.3589	6.4118	6.4625	6.5112	6.5581	6.6032	6.6468	6.6889	6.7296	
28	V	44.0270	45.9404	47.8538	49.7672	51.6806	53.5940	55.5073	57.4207	59.3340	
	H	582.27	607.10	631.92	656.74	681.57	706.39	731.21	756.04	780.86	
	S	6.2825	6.3354	6.3861	6.4348	6.4817	6.5268	6.5704	6.6125	6.6532	
32	V	38.5301	40.2044	41.8786	43.5529	45.2271	46.9013	48.5755	50.2497	51.9239	
	H	582.31	607.13	631.95	656.78	681.60	706.43	731.25	756.07	780.90	
	S	6.2164	6.2692	6.3199	6.3686	6.4155	6.4607	6.5042	6.5463	6.5871	
36	V	34.2548	35.7430	37.2313	38.7195	40.2077	41.6959	43.1841	44.6723	46.1605	
	H	582.34	607.17	631.99	656.81	681.64	706.46	731.29	756.11	780.93	
	S	6.1580	6.2108	6.2615	6.3102	6.3571	6.4023	6.4459	6.4880	6.5287	
40	V	30.8345	32.1739	33.5134	34.8528	36.1922	37.5316	38.8710	40.2104	41.5497	
	H	582.38	607.20	632.03	656.85	681.67	706.50	731.32	756.15	780.97	
	S	6.1058	6.1586	6.2093	6.2580	6.3049	6.3501	6.3936	6.4357	6.4765	
44	V	28.0361	29.2538	30.4715	31.6891	32.9068	34.1244	35.3421	36.5597	37.7773	
	H	582.41	607.24	632.06	656.89	681.71	706.54	731.36	756.18	781.01	
	S	6.0585	6.1114	6.1621	6.2108	6.2577	6.3028	6.3464	6.3885	6.4292	
48	V	25.7041	26.8203	27.9365	29.0527	30.1689	31.2851	32.4013	33.5175	34.6336	
	H	582.45	607.27	632.10	656.92	681.75	706.57	731.40	756.22	781.04	
	S	6.0154	6.0682	6.1189	6.1677	6.2145	6.2597	6.3033	6.3454	6.3861	
52	V	23.7308	24.7612	25.7916	26.8219	27.8523	28.8826	29.9129	30.9433	31.9736	
	H	582.48	607.31	632.13	656.96	681.78	706.61	731.43	756.26	781.08	
	S	5.9757	6.0286	6.0793	6.1280	6.1749	6.2200	6.2636	6.3057	6.3464	

PRESSURE PSIA		TEMPERATURE									
		0	20	40	60	80	100	120	140	160	
56	V	22.0395	22.9963	23.9531	24.9098	25.8666	26.8233	27.7801	28.7368	29.6935	
	H	582.52	607.34	632.17	657.00	681.82	706.65	731.47	756.29	781.12	
	S	5.9390	5.9918	6.0425	6.0912	6.1381	6.1833	6.2269	6.2690	6.3097	
60	V	20.5737	21.4667	22.3597	23.2527	24.1457	25.0386	25.9316	26.8246	27.7175	
	H	582.55	607.38	632.21	657.03	681.86	706.68	731.51	756.33	781.16	
	S	5.9048	5.9576	6.0083	6.0571	6.1039	6.1491	6.1927	6.2348	6.2755	
70	V	17.6420	18.4075	19.1729	19.9384	20.7038	21.4692	22.2346	23.0000	23.7654	
	H	582.64	607.47	632.30	657.12	681.95	706.77	731.60	756.42	781.25	
	S	5.8284	5.8812	5.9319	5.9806	6.0275	6.0727	6.1163	6.1584	6.1991	
80	V	15.04433	16.1131	16.7829	17.4526	18.1224	18.7922	19.4619	20.1317	20.8014	
	H	582.73	607.56	632.39	657.21	682.04	706.86	731.69	756.52	781.34	
	S	5.7622	5.8150	5.8657	5.9145	5.9613	6.0065	6.0501	6.0922	6.1329	
90	V	13.7331	14.3285	14.9239	15.5193	16.1147	16.7100	17.3054	17.9007	18.4960	
	H	582.82	607.65	632.48	657.30	682.13	706.96	731.78	756.61	781.43	
	S	5.7038	5.7566	5.8074	5.8561	5.9029	5.9481	5.9917	6.0338	6.0745	
100	V	12.3650	12.9009	13.4368	13.9726	14.5085	15.0443	15.5801	16.1159	16.6517	
	H	582.91	607.74	632.57	657.39	682.22	707.05	731.87	756.70	781.53	
	S	5.6515	5.7044	5.7551	5.8038	5.8507	5.8959	5.9395	5.9816	6.02	
110	V	11.2457	11.7328	12.2200	12.7072	13.1943	13.6814	14.1685	14.6557	15.1428	
	H	583.00	607.83	632.66	657.48	682.31	707.14	731.97	756.79	781.62	
	S	5.6043	5.6572	5.7079	5.7566	5.8035	5.8486	5.8922	5.9343	5.9750	
120	V	10.3129	10.7595	11.2080	11.6526	12.0992	12.5457	12.9922	13.4388	13.8853	
	H	583.09	607.92	632.75	657.57	682.40	707.23	732.06	756.88	781.71	
	S	5.5612	5.6140	5.6647	5.7135	5.7603	5.8055	5.8491	5.8912	5.9319	
130	V	9.5236	9.9358	10.3481	10.7603	11.1725	11.5847	11.9969	12.4091	12.8213	
	H	583.18	608.01	632.84	657.67	682.49	707.32	732.15	756.98	781.80	
	S	5.5215	5.5743	5.6251	5.6738	5.7207	5.7658	5.8094	5.8515	5.8922	
140	V	8.8471	9.2299	9.6127	9.9955	10.3782	10.7610	11.1438	11.5265	11.9093	
	H	583.27	608.10	632.93	657.76	682.59	707.41	732.24	757.07	781.90	
	S	5.4847	5.5376	5.5883	5.6370	5.6839	5.7291	5.7727	5.8148	5.8555	
150	V	8.2607	8.6180	8.9753	9.3326	9.6899	10.0471	10.4044	10.7616	11.1189	
	H	583.35	608.19	633.02	657.85	682.68	707.51	732.33	757.16	781.99	
	S	5.4505	5.5034	5.5541	5.6028	5.6497	5.6949	5.7385	5.7806	5.8213	

PRESSURE PSIA		TEMPÉRATURE								
		0	20	40	60	80	100	120	140	160
160	V	7.7477	8.0827	8.4176	8.7526	9.0875	9.4225	9.7574	10.0923	10.4273
	H	583.44	608.28	633.11	657.94	682.77	707.60	732.43	757.25	782.08
	S	5.4185	5.4714	5.5221	5.5708	5.6177	5.6629	5.7065	5.7486	5.7893
170	V	7.2950	7.6103	7.9256	8.2408	8.5561	8.8713	9.1866	9.5018	9.8170
	H	583.53	608.37	633.20	658.03	682.86	707.69	732.52	757.35	782.17
	S	5.3885	5.4413	5.4921	5.5408	5.5877	5.6328	5.6764	5.7185	5.7593
180	V	6.8926	7.1904	7.4882	7.7859	8.0837	8.3814	8.6791	8.9769	9.2746
	H	583.62	608.46	633.29	658.12	682.95	707.78	732.61	757.44	782.27
	S	5.3601	5.4130	5.4637	5.5124	5.5593	5.6045	5.6481	5.6902	5.7309
190	V	6.5326	6.8147	7.0968	7.3789	7.6610	7.9431	8.2251	8.5072	8.7892
	H	583.71	608.55	633.38	658.21	683.04	707.87	732.70	757.53	782.36
	S	5.3333	5.3862	5.4369	5.4856	5.5325	5.5777	5.6213	5.6634	5.7041
200	V	6.2086	6.4766	6.7446	7.0126	7.2806	7.5486	7.8165	8.0845	8.3524
	H	583.80	608.64	633.47	658.30	683.13	707.96	732.79	757.62	782.45
	S	5.3079	5.3608	5.4115	5.4602	5.5071	5.5523	5.5959	5.6380	5.6787
220	V	5.6489	5.8926	6.1362	6.3799	6.6235	6.8671	7.1108	7.3544	7.5980
	H	583.98	608.82	633.65	658.48	683.32	708.15	732.98	757.81	782.64
	S	5.2606	5.3135	5.3642	5.4129	5.4598	5.5050	5.5486	5.5907	5.6314
240	V	5.1820	5.4059	5.6293	5.8526	6.0760	6.2993	6.5226	6.7459	6.9692
	H	584.14	609.00	633.83	658.67	683.50	708.33	733.16	757.99	782.83
	S	5.2174	5.2704	5.3211	5.3698	5.4167	5.4619	5.5055	5.5476	5.5883
260	V	4.7874	4.9936	5.1998	5.4065	5.6126	5.8188	6.0250	6.2311	6.4372
	H	584.31	609.15	633.99	658.85	683.68	708.52	733.35	758.18	783.01
	S	5.1777	5.2306	5.2813	5.3301	5.3770	5.4222	5.4658	5.5079	5.5486
280	V	4.4491	4.6406	4.8320	5.0235	5.2150	5.4070	5.5984	5.7898	5.9812
	H	584.49	609.33	634.16	659.00	683.84	708.70	733.53	758.37	783.20
	S	5.1410	5.1938	5.2446	5.2933	5.3402	5.3854	5.4290	5.4711	5.5119
300	V	4.1559	4.3346	4.5133	4.6921	4.8708	5.0495	5.2282	5.4074	5.5860
	H	584.66	609.50	634.34	659.18	684.02	708.85	733.69	758.55	783.38
	S	5.1067	5.1596	5.2104	5.2591	5.3060	5.3512	5.3948	5.4369	5.4777
320	V	3.8993	4.0669	4.2345	4.4020	4.5696	4.7371	4.9047	5.0722	5.2397
	H	584.84	609.68	634.52	659.36	684.20	709.03	733.87	758.70	783.54
	S	5.0747	5.1276	5.1783	5.2271	5.2740	5.3192	5.3628	5.4049	5.4456

PRESSURE PSIA		TEMPERATURE								
		0	20	40	60	80	100	120	140	160
340	V	3.6729	3.8307	3.9884	4.1461	4.3038	4.4615	4.6192	4.7769	4.9346
	H	585.01	609.85	634.70	659.54	684.38	709.21	734.05	758.89	783.72
	S	5.0446	5.0975	5.1483	5.1970	5.2439	5.2891	5.3327	5.3748	5.4156
360	V	3.4717	3.6207	3.7697	3.9186	4.0676	4.2165	4.3655	4.5144	4.6633
	H	585.19	610.03	634.87	659.71	684.56	709.39	734.23	759.07	783.90
	S	5.0163	5.0692	5.1199	5.1686	5.2156	5.2607	5.3043	5.3465	5.3872
380	V	3.2917	3.4328	3.5740	3.7151	3.8562	3.9973	4.1384	4.2795	4.4206
	H	585.36	610.21	635.05	659.89	684.73	709.57	734.41	759.25	784.09
	S	4.9894	5.0423	5.0931	5.1418	5.1887	5.2339	5.2775	5.3197	5.3604
400	V	3.1296	3.2637	3.3978	3.5319	3.6660	3.8001	3.9341	4.0682	4.2022
	H	585.54	610.38	635.23	660.07	684.91	709.75	734.59	759.43	784.27
	S	4.9640	5.0169	5.0676	5.1164	5.1633	5.2085	5.2521	5.2942	5.3349
420	V	2.9830	3.1108	3.2385	3.3662	3.4939	3.6216	3.7492	3.8769	4.0046
	H	585.71	610.56	635.40	660.25	685.09	709.93	734.77	759.61	784.45
	S	4.9398	4.9927	5.0434	5.0922	5.1391	5.1843	5.2279	5.2700	5.3107
440	V	2.8498	2.9717	3.0936	3.2155	3.3374	3.4593	3.5812	3.7030	3.8249
	H	585.88	610.73	635.58	660.43	685.27	710.11	734.95	759.79	784.63
	S	4.9167	4.9696	5.0203	5.0691	5.1160	5.1612	5.2048	5.2469	5.2877
460	V	2.7281	2.8447	2.9613	3.0779	3.1945	3.3111	3.4277	3.5443	3.6609
	H	586.06	610.91	635.76	660.60	685.45	710.29	735.13	759.97	784.81
	S	4.8946	4.9475	4.9983	5.0470	5.0939	5.1391	5.1828	5.2249	5.2656
480	V	2.6165	2.7283	2.8401	2.9518	3.0636	3.1753	3.2870	3.3988	3.5105
	H	586.23	611.08	635.93	660.78	685.63	710.47	735.31	760.16	785.00
	S	4.8735	4.9264	4.9772	5.0259	5.0728	5.1180	5.1616	5.2038	5.2445
500	V	2.5139	2.6212	2.7285	2.8358	2.9431	3.0504	3.1576	3.2649	3.3721
	H	586.41	611.26	636.11	660.96	685.80	710.65	735.49	760.34	785.18
	S	4.8532	4.9061	4.9569	5.0057	5.0526	5.0978	5.1414	5.1835	5.2243
520	V	2.4191	2.5223	2.6255	2.7287	2.8319	2.9350	3.0382	3.1413	3.2444
	H	586.58	611.43	636.29	661.14	685.98	710.83	735.67	760.52	785.36
	S	4.8337	4.8867	4.9374	4.9862	5.0331	5.0783	5.1219	5.1641	5.2048
540	V	2.3314	2.4308	2.5302	2.6295	2.7289	2.8282	2.9275	3.0269	3.1262
	H	586.75	611.61	636.46	661.31	686.16	711.01	735.85	760.70	785.54
	S	4.8150	4.8679	4.9187	4.9675	5.0144	5.0596	5.1032	5.1453	5.1861

PRESSURE PSIA		TEMPÉRATURE								
		0	20	40	60	80	100	120	140	160
560	V	2.2499	2.3458	2.4416	2.5374	2.6332	2.7290	2.8248	2.9206	3.0164
	H	586.93	611.78	636.64	661.49	686.34	711.19	736.03	760.88	785.72
	S	4.7969	4.8499	4.9006	4.9494	4.9963	5.0415	5.0851	5.1273	5.1680
580	V	2.1741	2.2666	2.3592	2.4517	2.5442	2.6367	2.7292	2.8217	2.9141
	H	587.10	611.96	636.81	661.67	686.52	711.37	736.21	761.06	785.90
	S	4.7795	4.8325	4.8832	4.9320	4.9789	5.0241	5.0677	5.1099	5.1506
600	V	2.1033	2.1928	2.2822	2.3717	2.4611	2.5505	2.6399	2.7293	2.8187
	H	587.27	612.13	636.99	661.84	686.69	711.54	736.39	761.24	786.08
	S	4.7627	4.8156	4.8664	4.9152	4.9621	5.0073	5.0509	5.0930	5.1338
620	V	2.0371	2.1237	2.2102	2.2968	2.3833	2.4699	2.5564	2.6429	2.7295
	H	587.45	612.31	637.16	662.02	686.87	711.72	736.57	761.42	786.26
	S	4.7464	4.7993	4.8501	4.8989	4.9458	4.9910	5.0346	5.0768	5.1175
640	V	1.9750	2.0589	2.1427	2.2266	2.3105	2.3943	2.4781	2.5620	2.6458
	H	587.62	612.48	637.34	662.20	687.05	711.90	736.75	761.60	786.44
	S	4.7306	4.7836	4.8343	4.8831	4.9300	4.9753	5.0189	5.0610	5.1018
660	V	1.9167	1.9980	2.0793	2.1607	2.2420	2.3233	2.4046	2.4859	2.5672
	H	587.79	612.66	637.51	662.37	687.23	712.08	736.93	761.78	786.62
	S	4.7153	4.7683	4.8191	4.8678	4.9148	4.9600	5.0036	5.0457	5.0865
680	V	1.8618	1.9407	2.0197	2.0986	2.1775	2.2565	2.3354	2.4143	2.4932
	H	587.97	612.83	637.69	662.55	687.40	712.26	737.11	761.96	786.81
	S	4.7005	4.7535	4.8042	4.8530	4.8999	4.9452	4.9888	5.0309	5.0717
700	V	1.8100	1.8867	1.9634	2.0401	2.1168	2.1934	2.2701	2.3468	2.4234
	H	588.14	613.00	637.86	662.72	687.58	712.43	737.29	762.14	786.99
	S	4.6861	4.7391	4.7898	4.8386	4.8855	4.9308	4.9744	5.0165	5.0573
720	V	1.7611	1.8357	1.9103	1.9848	2.0594	2.1339	2.2085	2.2830	2.3575
	H	588.31	613.18	638.04	662.90	687.76	712.61	737.46	762.32	787.17
	S	4.6721	4.7251	4.7758	4.8246	4.8716	4.9168	4.9604	5.0026	5.0433
740	V	1.7149	1.7874	1.8600	1.9326	2.0051	2.0776	2.1502	2.2227	2.2952
	H	588.48	613.35	638.21	663.08	687.93	712.79	737.64	762.50	787.35
	S	4.6585	4.7115	4.7622	4.8110	4.8580	4.9032	4.9468	4.9890	5.0297
760	V	1.6711	1.7417	1.8124	1.8830	1.9537	2.0243	2.0949	2.1655	2.2361
	H	588.66	613.52	638.39	663.25	688.11	712.97	737.82	762.67	787.53
	S	4.6453	4.6982	4.7490	4.7978	4.8447	4.8899	4.9336	4.9757	5.0165

O	PRESSURE PSIA	TEMPERATURE								
		0	20	40	60	80	100	120	140	160
780	V	1.6295	1.6984	1.7672	1.8360	1.9049	1.9737	2.0425	2.1113	2.1801
	H	588.83	613.70	638.56	663.43	688.29	713.14	738.00	762.85	787.10
	S	4.6323	4.6853	4.7361	4.7849	4.8318	4.8770	4.9207	4.9628	5.0036
800	V	1.65900	1.6571	1.7243	1.7914	1.8585	1.9256	1.9927	2.0598	2.1269
	H	589.00	613.87	638.74	663.60	688.46	713.32	738.18	763.03	787.88
	S	4.6198	4.6727	4.7235	4.7723	4.8192	4.8645	4.9081	4.9503	4.9910
820	V	1.65524	1.6179	1.6834	1.7489	1.8144	1.8799	1.9454	2.0108	2.0763
	H	589.17	614.04	638.91	663.78	688.64	713.50	738.36	763.21	788.06
	S	4.6075	4.6604	4.7112	4.7600	4.8070	4.8522	4.8958	4.9380	4.9788
840	V	1.65167	1.5806	1.6446	1.7085	1.7724	1.8363	1.9002	1.9641	2.0280
	H	589.35	614.22	639.09	663.95	688.82	713.68	738.53	763.39	788.24
	S	4.5955	4.6485	4.6993	4.7481	4.7950	4.8402	4.8839	4.9260	4.9668
860	V	1.64825	1.5450	1.6075	1.6699	1.7324	1.7948	1.8572	1.9196	1.9821
	H	589.52	614.39	639.26	664.13	688.99	713.85	738.71	763.57	788.42
	S	4.5838	4.6368	4.6876	4.7364	4.7833	4.8285	4.8722	4.9143	4.9551
880	V	1.64500	1.5110	1.5721	1.6331	1.6941	1.7552	1.8162	1.8772	1.9382
	H	589.69	614.56	639.43	664.30	689.17	714.03	738.89	763.75	788.60
	S	4.5724	4.6254	4.6761	4.7249	4.7719	4.8171	4.8608	4.9029	4.9437
900	V	1.64189	1.4786	1.5383	1.5979	1.6576	1.7173	1.7769	1.8366	1.8962
	H	589.86	614.74	639.61	664.48	689.34	714.21	739.07	763.92	788.78
	S	4.5612	4.6142	4.6650	4.7138	4.7607	4.8060	4.8496	4.8918	4.9325
920	V	1.63891	1.4475	1.5059	1.5643	1.6227	1.6810	1.7394	1.7978	1.8561
	H	590.03	614.91	639.78	664.65	689.52	714.38	739.24	764.10	788.96
	S	4.5503	4.6033	4.6541	4.7029	4.7498	4.7950	4.8387	4.8809	4.9216
940	V	1.63606	1.4178	1.4749	1.5321	1.5892	1.6464	1.7035	1.7606	1.8177
	H	590.20	615.08	639.96	664.83	689.69	714.56	739.42	764.28	789.14
	S	4.5396	4.5926	4.6434	4.6922	4.7391	4.7844	4.8280	4.8702	4.9109
960	V	1.63333	1.3893	1.4452	1.5012	1.5572	1.6131	1.6690	1.7250	1.7809
	H	590.38	615.25	640.13	665.00	689.87	714.73	739.60	764.46	789.32
	S	4.5291	4.5821	4.6329	4.6817	4.7287	4.7739	4.8175	4.8597	4.9005
980	V	1.63071	1.3619	1.4168	1.4716	1.5264	1.5812	1.6360	1.6908	1.7456
	H	590.55	615.43	640.30	665.18	690.04	714.91	739.77	764.64	789.50
	S	4.5189	4.5718	4.6227	4.6715	4.7184	4.7637	4.8073	4.8495	4.8902

PRESSURE PSIA		TEMPERATURE								
		0	20	40	60	80	100	120	140	160
1000	V	1.2819	1.3357	1.3894	1.4432	1.4969	1.5506	1.6043	1.6580	1.7117
	H	590.72	615.60	640.48	665.35	690.22	715.09	739.95	764.81	789.67
	S	4.5088	4.5618	4.6126	4.6614	4.7084	4.7536	4.7973	4.8394	4.8802
1020	V	1.2578	1.3105	1.3632	1.4158	1.4685	1.5212	1.5738	1.6265	1.6791
	H	590.89	615.77	640.65	665.52	690.39	715.26	740.13	764.99	789.85
	S	4.4990	4.5520	4.6028	4.6516	4.6985	4.7438	4.7874	4.8296	4.8704
1040	V	1.2345	1.2862	1.3379	1.3896	1.4412	1.4929	1.5445	1.5962	1.6478
	H	591.06	615.94	640.82	665.70	690.57	715.44	740.30	765.17	790.03
	S	4.4893	4.5423	4.5931	4.6419	4.6889	4.7341	4.7778	4.8200	4.8607
1060	V	1.2122	1.2629	1.3136	1.3643	1.4150	1.4657	1.5163	1.5670	1.6177
	H	591.23	616.11	641.00	665.87	690.74	715.61	740.48	765.35	790.21
	S	4.4798	4.5328	4.5836	4.6325	4.6794	4.7247	4.7683	4.8105	4.8513
1080	V	1.1906	1.2404	1.2902	1.3399	1.3897	1.4394	1.4892	1.5389	1.5886
	H	591.40	616.29	641.17	666.05	690.92	715.79	740.66	765.52	790.39
	S	4.4705	4.5235	4.5743	4.6232	4.6701	4.7154	4.7590	4.8012	4.8420
1100	V	1.1699	1.2187	1.2676	1.3165	1.3653	1.4142	1.4630	1.5119	1.5607
	H	591.57	616.46	641.34	666.22	691.09	715.97	740.83	765.70	790.56
	S	4.4614	4.5144	4.5652	4.6140	4.6610	4.7063	4.7499	4.7921	4.8329
1120	V	1.1498	1.1979	1.2459	1.2939	1.3418	1.3898	1.4378	1.4858	1.5337
	H	591.74	616.63	641.51	666.39	691.27	716.14	741.01	765.88	790.74
	S	4.4524	4.5054	4.5563	4.6051	4.6520	4.6973	4.7410	4.7831	4.8239
1140	V	1.1305	1.1777	1.2249	1.2720	1.3192	1.3663	1.4134	1.4606	1.5077
	H	591.91	616.80	641.69	666.57	691.44	716.32	741.19	766.05	790.92
	S	4.4436	4.4966	4.5475	4.5963	4.6432	4.6885	4.7322	4.7743	4.8151
1160	V	1.1119	1.1583	1.2046	1.2510	1.2973	1.3436	1.3899	1.4363	1.4826
	H	592.08	616.97	641.86	666.74	691.62	716.49	741.36	766.23	791.10
	S	4.4350	4.4880	4.5388	4.5876	4.6346	4.6799	4.7235	4.7657	4.8065
1180	V	1.0939	1.1395	1.1850	1.2306	1.2761	1.3217	1.3672	1.4128	1.4583
	H	592.25	617.14	642.03	666.91	691.79	716.67	741.54	766.41	791.27
	S	4.4265	4.4795	4.5303	4.5791	4.6261	4.6714	4.7150	4.7572	4.7980
1200	V	1.0765	1.1213	1.1661	1.2109	1.2557	1.3005	1.3453	1.3901	1.4348
	H	592.42	617.32	642.20	667.09	691.96	716.84	741.71	766.58	791.45
	S	4.4181	4.4711	4.5219	4.5708	4.6177	4.6630	4.7067	4.7488	4.7896

PRESSURE PSIA	V	TEMPERATURE								
		0	20	40	60	80	100	120	140	160
1220	V	1.0596	1.1037	1.1478	1.1919	1.2359	1.2800	1.3240	1.3681	1.4121
	H	592.59	617.49	642.37	667.26	692.14	717.02	741.89	766.76	791.63
	S	4.4099	4.4629	4.5137	4.5625	4.6095	4.6548	4.6984	4.7406	4.7814
1240	V	1.0433	1.0867	1.1301	1.1734	1.2168	1.2602	1.3035	1.3468	1.3902
	H	592.76	617.66	642.55	667.43	692.31	717.19	742.06	766.94	791.80
	S	4.4018	4.4548	4.5056	4.5545	4.6014	4.6467	4.6904	4.7325	4.7733
1260	V	1.0275	1.0702	1.1129	1.1556	1.1983	1.2409	1.2836	1.3262	1.3689
	H	592.93	617.83	642.72	667.60	692.49	717.36	742.24	767.11	791.98
	S	4.3938	4.4468	4.4977	4.5465	4.5935	4.6387	4.6824	4.7246	4.7654
1280	V	1.0122	1.0543	1.0963	1.1383	1.1803	1.2223	1.2643	1.3063	1.3483
	H	593.10	618.00	642.89	667.78	692.66	717.54	742.42	767.29	792.16
	S	4.3860	4.4390	4.4898	4.5387	4.5856	4.6309	4.6746	4.7168	4.7576
1300	V	0.9974	1.0388	1.0802	1.1216	1.1629	1.2043	1.2456	1.2870	1.3283
	H	593.27	618.17	643.06	667.95	692.83	717.71	742.59	767.46	792.34
	S	4.3783	4.4313	4.4821	4.5309	4.5779	4.6232	4.6669	4.7091	4.7499
1320	V	0.9830	1.0238	1.0646	1.1053	1.1461	1.1868	1.2275	1.2682	1.3089
	H	593.44	618.34	643.23	668.12	693.01	717.89	742.77	767.64	792.51
	S	4.3707	4.4237	4.4745	4.5234	4.5703	4.6156	4.6593	4.7015	4.7423
1340	V	0.9691	1.0093	1.0494	1.0896	1.1297	1.1698	1.2099	1.2500	1.2901
	H	593.61	618.51	643.40	668.29	693.18	718.06	742.94	767.82	792.69
	S	4.3632	4.4162	4.4670	4.5159	4.5629	4.6081	4.6518	4.6940	4.7348
1360	V	0.9555	0.9951	1.0347	1.0743	1.1138	1.1533	1.1929	1.2324	1.2719
	H	593.78	618.68	643.58	668.47	693.35	718.24	743.11	767.99	792.85
	S	4.3558	4.4088	4.4597	4.5085	4.5555	4.6008	4.6444	4.6866	4.7274
1380	V	0.9424	0.9814	1.0204	1.0594	1.0984	1.1373	1.1763	1.2153	1.2542
	H	593.95	618.85	643.75	668.64	693.53	718.41	743.29	768.17	793.04
	S	4.3485	4.4015	4.4524	4.5012	4.5482	4.5935	4.6372	4.6794	4.7202
1400	V	0.9296	0.9681	1.0065	1.0450	1.0834	1.1218	1.1602	1.1986	1.2370
	H	594.12	619.02	643.92	668.81	693.70	718.58	743.46	768.34	793.22
	S	4.3414	4.3944	4.4452	4.4941	4.5411	4.5863	4.6300	4.6722	4.7130
1450	V	0.8992	0.9364	0.9735	1.0106	1.0477	1.0848	1.1219	1.1590	1.1961
	H	594.54	619.45	644.34	669.24	694.13	719.02	743.90	768.78	793.66
	S	4.3239	4.3769	4.4278	4.4766	4.5236	4.5689	4.6126	4.6548	4.6956

PRESSURE PSIA		TEMPERATURE									
		0	20	40	60	80	100	120	140	160	
1500	V	0.8709	0.9068	0.9427	0.9786	1.0144	1.0503	1.0861	1.1220	1.1578	
	H	594.96	619.87	644.77	669.67	694.56	719.45	744.33	769.22	794.05	
	S	4.3070	4.3600	4.4109	4.4597	4.5067	4.5520	4.5957	4.6379	4.6787	
1550	V	0.8443	0.8791	0.9138	0.9486	0.9833	1.0180	1.0527	1.0874	1.1221	
	H	595.38	620.29	645.20	670.10	694.99	719.88	744.77	769.65	794.53	
	S	4.2906	4.3437	4.3945	4.4434	4.4904	4.5357	4.5794	4.6216	4.6624	
1600	V	0.8195	0.8531	0.8868	0.9204	0.9541	0.9877	1.0213	1.0550	1.0886	
	H	595.80	620.72	645.62	670.52	695.42	720.31	745.20	770.09	794.97	
	S	4.2748	4.3279	4.3787	4.4276	4.4746	4.5199	4.5636	4.6058	4.6466	
1650	V	0.7961	0.8287	0.8614	0.8940	0.9266	0.9593	0.9919	1.0245	1.0571	
	H	596.22	621.14	646.05	670.95	695.85	720.74	745.64	770.52	795.41	
	S	4.2595	4.3125	4.3634	4.4123	4.4593	4.5046	4.5483	4.5905	4.6313	
1700	V	0.7741	0.8058	0.8375	0.8691	0.9008	0.9325	0.9641	0.9958	1.0274	
	H	596.64	621.56	646.47	671.38	696.28	721.17	746.07	770.96	795.84	
	S	4.2446	4.2976	4.3485	4.3974	4.4444	4.4897	4.5334	4.5756	4.6164	
1750	V	0.7533	0.7841	0.8149	0.8457	0.8765	0.9072	0.9380	0.9687	0.9995	
	H	597.06	621.98	646.89	671.80	696.70	721.60	746.50	771.39	796.28	
	S	4.2301	4.2832	4.3341	4.3829	4.4300	4.4753	4.5190	4.5612	4.6020	
1800	V	0.7337	0.7637	0.7936	0.8235	0.8535	0.8834	0.9133	0.9432	0.9731	
	H	597.48	622.40	647.31	672.23	697.13	722.03	746.93	771.82	796.71	
	S	4.2161	4.2691	4.3200	4.3689	4.4159	4.4612	4.5049	4.5472	4.5880	
1850	V	0.7152	0.7443	0.7735	0.8026	0.8317	0.8608	0.8899	0.9190	0.9481	
	H	597.89	622.82	647.74	672.65	697.56	722.46	747.36	772.25	797.15	
	S	4.2024	4.2555	4.3064	4.3553	4.4023	4.4476	4.4913	4.5335	4.5744	
1900	V	0.6976	0.7260	0.7544	0.7827	0.8111	0.8394	0.8678	0.8961	0.9244	
	H	598.31	623.24	648.16	673.07	697.98	722.89	747.79	772.69	797.58	
	S	4.1891	4.2422	4.2931	4.3420	4.3890	4.4343	4.4780	4.5202	4.5611	
1950	V	0.6809	0.7086	0.7362	0.7639	0.7915	0.8192	0.8468	0.8744	0.9020	
	H	598.73	623.65	648.58	673.49	698.41	723.31	748.22	773.12	798.01	
	S	4.1761	4.2292	4.2801	4.3290	4.3760	4.4214	4.4651	4.5073	4.5481	
2000	V	0.6651	0.6921	0.7190	0.7460	0.7729	0.7999	0.8268	0.8537	0.8807	
	H	599.14	624.07	649.00	673.92	698.83	723.74	748.65	773.55	798.44	
	S	4.1635	4.2166	4.2675	4.3164	4.3634	4.4087	4.4525	4.4947	4.5355	

PRESSURE PSIA	0	20	40	TEMPERATURE						
				60	80	100	120	140	160	
2200	V	0.6089	0.6334	0.6580	0.6825	0.7070	0.7315	0.7560	0.7805	0.8050
	H	600.79	625.73	650.67	675.60	700.52	725.44	750.35	775.26	800.16
	S	4.1159	4.1690	4.2199	4.2688	4.3159	4.3612	4.4050	4.4472	4.4880
2400	V	0.5620	0.5845	0.6070	0.6295	0.6520	0.6745	0.6970	0.7195	0.7419
	H	602.44	627.39	652.33	677.27	702.20	727.12	752.05	776.96	801.87
	S	4.0724	4.1255	4.1764	4.2254	4.2725	4.3178	4.3616	4.4038	4.4447
2600	V	0.5224	0.5432	0.5639	0.5847	0.6055	0.6263	0.6470	0.6678	0.6885
	H	604.10	629.05	653.98	678.93	703.87	728.80	753.73	778.65	803.57
	S	4.0324	4.0855	4.1364	4.1854	4.2325	4.2778	4.3216	4.3639	4.4047
2800	V	0.4883	0.5077	0.5270	0.5463	0.5656	0.5849	0.6042	0.6234	0.6427
	H	605.73	630.69	655.65	680.60	705.52	730.46	755.40	780.33	805.26
	S	3.9953	4.0484	4.0994	4.1484	4.1954	4.2408	4.2846	4.3269	4.3678
3000	V	0.4588	0.4769	0.4949	0.5130	0.5310	0.5490	0.5670	0.5850	0.6030
	H	607.35	632.32	657.29	682.25	707.20	732.12	757.06	782.00	806.94
	S	3.9607	4.0139	4.0649	4.1138	4.1610	4.2063	4.2501	4.2924	4.3333
3500	V	0.3997	0.4152	0.4307	0.4462	0.4617	0.4771	0.4926	0.5081	0.5235
	H	611.37	636.36	661.34	686.32	711.29	736.26	761.22	786.17	811.12
	S	3.8834	3.9366	3.9876	4.0366	4.0838	4.1292	4.1730	4.2153	4.2563
4000	V	0.3552	0.3688	0.3824	0.3960	0.4096	0.4231	0.4367	0.4503	0.4638
	H	615.34	640.35	665.35	690.35	715.33	740.32	765.30	790.27	815.23
	S	3.8162	3.8695	3.9205	3.9696	4.0168	4.0622	4.1061	4.1484	4.1894
4500	V	0.3206	0.3327	0.3448	0.3569	0.3690	0.3811	0.3931	0.4052	0.4173
	H	619.26	644.29	669.31	694.32	719.33	744.33	769.32	794.31	819.29
	S	3.7569	3.8102	3.8613	3.9104	3.9576	4.0031	4.0469	4.0893	4.1303
5000	V	0.2928	0.3037	0.3146	0.3255	0.3364	0.3473	0.3582	0.3691	0.3800
	H	623.14	648.18	673.22	698.24	723.27	748.28	773.30	798.30	823.30
	S	3.7037	3.7570	3.8082	3.8573	3.9045	3.9500	3.9939	4.0363	4.0774
5500	V	0.2700	0.2799	0.2899	0.2998	0.3097	0.3197	0.3296	0.3395	0.3494
	H	626.98	652.03	677.08	702.12	727.16	752.20	777.22	802.24	827.26
	S	3.6555	3.7088	3.7600	3.8091	3.8564	3.9020	3.9459	3.9883	4.0294
6000	V	0.2509	0.2601	0.2692	0.2783	0.2874	0.2966	0.3057	0.3148	0.3239
	H	630.77	655.84	680.90	705.96	731.01	756.06	781.11	806.14	831.18
	S	3.6114	3.6648	3.7160	3.7651	3.8124	3.8580	3.9020	3.9444	3.9855

PRESSURE PSIA		TEMPERATURE									
		180	200	220	240	260	280	300	320	340	
14.696	V	116.6453	120.2907	123.9361	127.5814	131.2268	134.8721	138.5174	142.1628	145.8081	
	H	805.56	830.38	855.20	880.03	904.85	929.67	954.49	979.32	1004.14	
	S	7.0121	7.0504	7.0874	7.1234	7.1584	7.1924	7.2255	7.2578	7.2892	
16	V	107.1431	110.4914	113.8396	117.1879	120.5361	123.8844	127.2326	130.5809	133.9291	
	H	805.57	830.39	855.22	880.04	904.86	929.68	954.51	979.33	1004.15	
	S	6.9700	7.0082	7.0453	7.0813	7.1163	7.1503	7.1834	7.2156	7.2471	
20	V	85.7251	88.4037	91.0824	93.7610	96.4396	99.1182	101.7968	104.4754	107.1541	
	H	805.61	830.43	855.25	880.08	904.90	929.72	954.54	979.37	1004.19	
	S	6.8594	6.8976	6.9347	6.9707	7.0057	7.0397	7.0728	7.1051	7.1365	
24	V	71.4464	73.6786	75.9108	78.1430	80.3752	82.6074	84.8396	87.0718	89.3040	
	H	805.65	830.47	855.29	880.11	904.94	929.76	954.58	979.40	1004.23	
	S	6.7691	6.8073	6.8443	6.8803	6.9153	6.9493	6.9824	7.0147	7.0461	
28	V	61.2474	63.1607	65.0740	66.9874	68.9007	70.8140	72.7273	74.6406	76.5540	
	H	805.68	830.51	855.33	880.15	904.97	929.80	954.62	979.44	1004.27	
	S	6.6927	6.7309	6.7679	6.8039	6.8389	6.8729	6.9060	6.9383	6.9697	
32	V	53.5981	55.2723	56.9465	58.6206	60.2948	61.9690	63.6431	65.3173	66.9914	
	H	805.72	830.54	855.37	880.19	905.01	929.83	954.66	979.48	1004.30	
	S	6.6265	6.6647	6.7018	6.7378	6.7727	6.8068	6.8399	6.8721	6.9036	
36	V	47.6487	49.1368	50.6250	52.1132	53.6013	55.0895	56.5776	58.0658	59.5539	
	H	805.76	830.58	855.40	880.23	905.05	929.87	954.70	979.52	1004.34	
	S	6.5681	6.6063	6.6434	6.6794	6.7144	6.7484	6.7815	6.8137	6.8452	
40	V	42.8891	44.2285	45.5678	46.9072	48.2465	49.5859	50.9252	52.2645	53.6039	
	H	805.79	830.62	855.44	880.26	905.09	929.91	954.73	979.56	1004.38	
	S	6.5159	6.5541	6.5912	6.6272	6.6621	6.6962	6.7293	6.7615	6.7930	
44	V	38.9949	40.2125	41.4301	42.6477	43.8653	45.0829	46.3005	47.5181	48.7357	
	H	805.83	830.65	855.48	880.30	905.12	929.95	954.77	979.59	1004.42	
	S	6.4686	6.5069	6.5439	6.5799	6.6149	6.6489	6.6820	6.7143	6.7457	
48	V	35.7498	36.8659	37.9821	39.0982	40.2143	41.3305	42.4466	43.5627	44.6789	
	H	805.87	830.69	855.52	880.34	905.16	929.99	954.81	979.63	1004.46	
	S	6.4255	6.4637	6.5008	6.5368	6.5718	6.6058	6.6389	6.6712	6.7026	
52	V	33.0039	34.0342	35.0645	36.0948	37.1251	38.1553	39.1856	40.2159	41.2462	
	H	805.91	830.73	855.55	880.38	905.20	930.02	954.85	979.67	1004.49	
	S	6.3858	6.4241	6.4611	6.4971	6.5321	6.5661	6.5992	6.6315	6.6629	

PRESSURE PSIA		TEMPERATURE								
		180	200	220	240	260	280	300	320	340
56	V	30.6503	31.6070	32.5637	33.5204	34.4771	35.4338	36.3905	37.3472	38.3038
	H	805.94	830.77	855.59	880.41	905.24	930.06	954.88	979.71	1004.55
	S	6.3491	6.3873	6.4244	6.4604	6.4954	6.5294	6.5625	6.5948	6.6262
60	V	28.6105	29.5034	30.3963	31.2893	32.1822	33.0751	33.9680	34.8609	35.7538
	H	805.98	830.80	855.63	880.45	905.28	930.10	954.92	979.75	1004.57
	S	6.3149	6.3531	6.3902	6.4262	6.4612	6.4952	6.5283	6.5606	6.5920
70	V	24.5308	25.2962	26.0616	26.8270	27.5924	28.3577	29.1231	29.8885	30.6538
	H	806.07	830.90	855.72	880.55	905.37	930.19	955.02	979.84	1004.66
	S	6.2385	6.2767	6.3138	6.3498	6.3848	6.4188	6.4519	6.4842	6.5156
80	V	21.4711	22.1409	22.8106	23.4803	24.1500	24.8197	25.4894	26.1591	26.8288
	H	806.17	830.99	855.81	880.64	905.46	930.29	955.11	979.94	1004.76
	S	6.1723	6.2105	6.2476	6.2836	6.3186	6.3526	6.3857	6.4180	6.4494
90	V	19.0914	19.6867	20.2820	20.8773	21.4726	22.0679	22.6632	23.2585	23.8538
	H	806.26	831.08	855.91	880.73	905.56	930.38	955.21	980.03	1004.85
	S	6.1139	6.1522	6.1892	6.2252	6.2602	6.2942	6.3273	6.3596	6.3910
100	V	17.1875	17.7233	18.2591	18.7949	19.3307	19.8665	20.4023	20.9380	21.4738
	H	806.35	831.18	856.00	880.83	905.65	930.48	955.30	980.13	1004.95
	S	6.0617	6.0999	6.1370	6.1730	6.2080	6.2420	6.2751	6.3074	6.3388
110	V	15.6299	16.1170	16.6041	17.0911	17.5782	18.0653	18.5524	19.0395	19.5265
	H	806.44	831.27	856.10	880.92	905.75	930.57	955.40	980.22	1005.05
	S	6.0145	6.0527	6.0898	6.1258	6.1607	6.1948	6.2279	6.2601	6.2916
120	V	14.3318	14.7783	15.2248	15.6713	16.1178	16.5643	17.0108	17.4573	17.9038
	H	806.54	831.36	856.19	881.01	905.84	930.67	955.49	980.32	1005.14
	S	5.9713	6.0096	6.0466	6.0826	6.1176	6.1516	6.1848	6.2170	6.2484
130	V	13.2335	13.6456	14.0578	14.4700	14.8821	15.2943	15.7064	16.1186	16.5307
	H	806.63	831.46	856.28	881.11	905.93	930.76	955.59	980.41	1005.24
	S	5.9317	5.9699	6.0070	6.0430	6.0779	6.1120	6.1451	6.1773	6.2088
140	V	12.2920	12.6748	13.0575	13.4402	13.8229	14.2057	14.5884	14.9711	15.3538
	H	806.72	831.55	856.38	881.20	906.03	930.85	955.68	980.51	1005.33
	S	5.8949	5.9331	5.9702	6.0062	6.0412	6.0752	6.1083	6.1406	6.1720
150	V	11.4761	11.8333	12.1905	12.5478	12.9050	13.2622	13.6194	13.9766	14.3338
	H	806.82	831.64	856.47	881.30	906.12	930.95	955.77	980.60	1005.43
	S	5.8607	5.8989	5.9360	5.9720	6.0070	6.0410	6.0741	6.1064	6.1378

PRESSURE PSIA		TEMPÉRATURE								
		180	200	220	240	260	280	300	320	340
160	V	10.7622	11.0971	11.4320	11.7669	12.1018	12.4366	12.7715	13.1064	13.4413
	H	806.91	831.74	856.56	881.39	906.22	931.04	955.87	980.70	1005.52
	S	5.8287	5.8670	5.9040	5.9400	5.9750	6.0090	6.0422	6.0744	6.1058
170	V	10.1322	10.4474	10.7626	11.0778	11.3930	11.7082	12.0234	12.3386	12.6538
	H	807.00	831.83	856.66	881.48	906.31	931.14	955.96	980.79	1005.62
	S	5.7987	5.8369	5.8740	5.9100	5.9450	5.9790	6.0121	6.0444	6.0758
180	V	9.5723	9.8700	10.1677	10.4654	10.7631	11.0608	11.3584	11.6561	11.9538
	H	807.10	831.92	856.75	881.58	906.41	931.23	956.06	980.89	1005.71
	S	5.7704	5.8086	5.8456	5.8816	5.9166	5.9507	5.9838	6.0160	6.0475
190	V	9.0713	9.3533	9.6354	9.9174	10.1994	10.4814	10.7634	11.0455	11.3275
	H	807.19	832.02	856.85	881.67	906.50	931.33	956.15	980.98	1005.81
	S	5.7435	5.7818	5.8188	5.8548	5.8898	5.9239	5.9570	5.9892	6.0207
200	V	8.6204	8.8883	9.1563	9.4242	9.6921	9.9600	10.2280	10.4959	10.7638
	H	807.28	832.11	856.94	881.77	906.59	931.42	956.25	981.08	1005.90
	S	5.7181	5.7563	5.7934	5.8294	5.8644	5.8984	5.9315	5.9638	5.9952
220	V	7.8416	8.0851	8.3287	8.5723	8.8159	9.0595	9.3030	9.5466	9.7902
	H	807.47	832.30	857.13	881.96	906.78	931.61	956.44	981.27	1006.09
	S	5.6709	5.7091	5.7462	5.7822	5.8172	5.8512	5.8843	5.9166	5.9480
240	V	7.1925	7.4158	7.6391	7.8624	8.0857	8.3090	8.5322	8.7555	8.9788
	H	807.66	832.49	857.31	882.14	906.97	931.80	956.63	981.46	1006.28
	S	5.6277	5.6660	5.7030	5.7390	5.7740	5.8080	5.8412	5.8734	5.9049
260	V	6.6434	6.8495	7.0556	7.2617	7.4678	7.6739	7.8801	8.0862	8.2923
	H	807.84	832.67	857.50	882.33	907.16	931.99	956.82	981.65	1006.47
	S	5.5881	5.6263	5.6634	5.6994	5.7343	5.7684	5.8015	5.8337	5.8652
280	V	6.1726	6.3641	6.5555	6.7469	6.9383	7.1296	7.3210	7.5124	7.7038
	H	808.03	832.86	857.69	882.52	907.35	932.18	957.01	981.84	1006.66
	S	5.5513	5.5895	5.6266	5.6626	5.6976	5.7316	5.7648	5.7970	5.8284
300	V	5.7647	5.9433	6.1220	6.3006	6.4793	6.6579	6.8365	7.0152	7.1938
	H	808.22	833.05	857.88	882.71	907.54	932.37	957.20	982.03	1006.86
	S	5.5171	5.5553	5.5924	5.6284	5.6634	5.6974	5.7305	5.7628	5.7942
320	V	5.4077	5.5752	5.7427	5.9102	6.0777	6.2452	6.4126	6.5801	6.7476
	H	808.40	833.24	858.07	882.90	907.73	932.56	957.39	982.22	1007.05
	S	5.4851	5.5233	5.5604	5.5964	5.6314	5.6654	5.6986	5.7308	5.7623

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PRESSURE
PSIA

					TEMPERATURE					
					240	260	280	300	320	340
340	V	5.0922	5.2499	5.4081	5.5657	5.7233	5.8809	6.0386	6.1962	6.3538
	H	808.56	833.39	858.26	883.09	907.92	932.75	957.58	982.41	1007.24
	S	5.4550	5.4932	5.5304	5.5664	5.6013	5.6354	5.6685	5.7008	5.7322
360	V	4.8122	4.9611	5.1100	5.2589	5.4083	5.5572	5.7061	5.8550	6.0038
	H	808.74	833.57	858.41	883.24	908.11	932.94	957.77	982.60	1007.43
	S	5.4266	5.4649	5.5020	5.5380	5.5730	5.6070	5.6402	5.6724	5.7039
380	V	4.5617	4.7028	4.8438	4.9849	5.1260	5.2670	5.4086	5.5496	5.6907
	H	808.92	833.76	858.59	883.42	908.26	933.09	957.96	982.79	1007.62
	S	5.3998	5.4381	5.4751	5.5112	5.5462	5.5802	5.6134	5.6456	5.6771
400	V	4.3362	4.4702	4.6043	4.7383	4.8723	5.0063	5.1403	5.2743	5.4088
	H	809.10	833.94	858.78	883.61	908.44	933.28	958.11	982.94	1007.81
	S	5.3744	5.4126	5.4497	5.4857	5.5207	5.5547	5.5879	5.6201	5.6516
420	V	4.1322	4.2599	4.3875	4.5151	4.6428	4.7704	4.8980	5.0257	5.1533
	H	809.29	834.12	858.96	883.79	908.63	933.46	958.29	983.13	1007.96
	S	5.3502	5.3884	5.4255	5.4615	5.4965	5.5306	5.5637	5.5959	5.6274
440	V	3.9468	4.0686	4.1905	4.3123	4.4341	4.5560	4.6778	4.7996	4.9214
	H	809.47	834.31	859.14	883.98	908.81	933.65	958.648	983.31	1008.15
	S	5.3271	5.3654	5.4024	5.4385	5.4734	5.5075	5.5406	5.5729	5.604
460	V	3.7774	3.8940	4.0105	4.1271	4.2436	4.3602	4.4767	4.5932	4.7097
	H	809.65	834.49	859.33	884.16	909.00	933.83	958.67	983.50	1008.33
	S	5.3051	5.3433	5.3804	5.4164	5.4514	5.4854	5.5186	5.5508	5.5823
480	V	3.6222	3.7339	3.8456	3.9573	4.0690	4.1807	4.2924	4.4040	4.5157
	H	809.84	834.67	859.51	884.35	909.18	934.02	958.85	983.69	1008.52
	S	5.2840	5.3222	5.3593	5.3953	5.4303	5.4643	5.4975	5.5297	5.5612
500	V	3.4794	3.5866	3.6939	3.8011	3.9083	4.0155	4.1228	4.2300	4.3372
	H	810.02	834.86	859.69	884.53	909.37	934.20	959.04	983.87	1008.71
	S	5.2637	5.3019	5.3390	5.3751	5.4101	5.4441	5.4772	5.5095	5.5409
520	V	3.3476	3.4507	3.5538	3.6569	3.7600	3.8631	3.9662	4.0693	4.1724
	H	810.20	835.04	859.88	884.72	909.55	934.39	959.22	984.06	1008.89
	S	5.2443	5.2825	5.3196	5.3556	5.3906	5.4246	5.4578	5.4900	5.5215
540	V	3.2255	3.3248	3.4241	3.5234	3.6227	3.7220	3.8213	3.9205	4.0198
	H	810.38	835.22	860.06	884.90	909.74	934.57	959.41	984.25	1009.08
	S	5.2255	5.2638	5.3009	5.3369	5.3719	5.4059	5.4390	5.4713	5.5028

PRESSURE PSIA		TEMPERATURE								
		180	200	220	240	260	280	300	320	340
560	V	3.1121	3.2079	3.3037	3.3994	3.4952	3.5909	3.6867	3.7824	3.8781
	H	810.56	835.40	860.24	885.08	909.92	934.76	959.60	984.43	1009.27
	S	5.2075	5.2457	5.2828	5.3188	5.3538	5.3879	5.4210	5.4533	5.4847
580	V	3.0066	3.0991	3.1915	3.2840	3.3764	3.4689	3.5613	3.6538	3.7462
	H	810.74	835.59	860.43	885.27	910.11	934.94	959.78	984.62	1009.45
	S	5.1901	5.2283	5.2654	5.3014	5.3364	5.3705	5.4036	5.4359	5.4673
600	V	2.9081	2.9975	3.0869	3.1763	3.2656	3.3550	3.4444	3.5337	3.6231
	H	810.93	835.77	860.61	885.45	910.29	935.13	959.97	984.80	1009.64
	S	5.1733	5.2115	5.2486	5.2846	5.3196	5.3537	5.3868	5.4191	5.4505
620	V	2.8160	2.9025	2.9890	3.0755	3.1620	3.2485	3.3349	3.4214	3.5079
	H	811.11	835.95	860.79	885.63	910.47	935.31	960.15	984.99	1009.82
	S	5.1570	5.1952	5.2323	5.2683	5.3033	5.3374	5.3705	5.4028	5.4342
640	V	2.7296	2.8134	2.8972	2.9810	3.0648	3.1486	3.2324	3.3161	3.3999
	H	811.29	836.13	860.98	885.82	910.66	935.50	960.34	985.17	1010.01
	S	5.1412	5.1795	5.2166	5.2526	5.2876	5.3216	5.3548	5.3870	5.4185
660	V	2.6484	2.7297	2.8110	2.8922	2.9735	3.0547	3.1360	3.2172	3.2985
	H	811.47	836.31	861.16	886.00	910.84	935.68	960.52	985.36	1010.20
	S	5.1260	5.1642	5.2013	5.2373	5.2723	5.3064	5.3395	5.3718	5.4032
680	V	2.5721	2.6509	2.7298	2.8087	2.8876	2.9664	3.0453	3.1241	3.2030
	H	811.65	836.50	861.34	886.18	911.02	935.87	960.71	985.54	1010.38
	S	5.1111	5.1494	5.1865	5.2225	5.2575	5.2916	5.3247	5.3570	5.3884
700	V	2.5000	2.5767	2.6533	2.7299	2.8065	2.8832	2.9598	3.0364	3.1130
	H	811.83	836.68	861.52	886.37	911.21	936.05	960.89	985.73	1010.57
	S	5.0968	5.1350	5.1721	5.2081	5.2431	5.2772	5.3103	5.3426	5.3740
720	V	2.4320	2.5065	2.5810	2.6555	2.7300	2.8045	2.8790	2.9535	3.0280
	H	812.01	836.86	861.70	886.55	911.39	936.23	961.07	985.91	1010.75
	S	5.0828	5.1210	5.1581	5.1942	5.2292	5.2632	5.2963	5.3286	5.3601
740	V	2.3677	2.4402	2.5127	2.5852	2.6576	2.7301	2.8026	2.8751	2.9475
	H	812.19	837.04	861.89	886.73	911.57	936.42	961.26	986.10	1010.94
	S	5.0692	5.1074	5.1445	5.1806	5.2156	5.2496	5.2828	5.3150	5.3465
760	V	2.3067	2.3773	2.4479	2.5185	2.5891	2.6596	2.7302	2.8008	2.8713
	H	812.37	837.22	862.07	886.91	911.76	936.60	961.44	986.28	1011.12
	S	5.0559	5.0942	5.1313	5.1673	5.2023	5.2364	5.2695	5.3018	5.3333

Z	PRESSURE PSIA	TEMPERATURE								
		180	200	220	240	260	280	300	320	340
780	V	2.2489	2.3177	2.3865	2.4552	2.5240	2.5928	2.6615	2.7303	2.7990
	H	812.55	837.40	862.25	887.10	911.94	936.78	961.63	986.47	1011.31
	S	5.0431	5.0813	5.1184	5.1544	5.1894	5.2235	5.2566	5.2889	5.3204
800	V	2.1940	2.2610	2.3281	2.3951	2.4622	2.5292	2.5963	2.6633	2.7304
	H	812.74	837.58	862.43	887.28	912.12	936.97	961.81	986.65	1011.49
	S	5.0305	5.0687	5.1058	5.1419	5.1769	5.2109	5.2441	5.2763	5.3078
820	V	2.1417	2.2071	2.2726	2.3380	2.4034	2.4688	2.5342	2.5996	2.6650
	H	812.92	837.77	862.61	887.46	912.31	937.15	961.99	986.84	1011.68
	S	5.0182	5.0565	5.0936	5.1296	5.1646	5.1987	5.2318	5.2641	5.2956
840	V	2.0919	2.1558	2.2197	2.2835	2.3474	2.4113	2.4751	2.5390	2.6028
	H	813.10	837.95	862.80	887.64	912.49	937.33	962.18	987.02	1011.86
	S	5.0063	5.0445	5.0816	5.1177	5.1527	5.1867	5.2199	5.2521	5.2836
860	V	2.0445	2.1069	2.1693	2.2316	2.2940	2.3564	2.4188	2.4811	2.5435
	H	813.28	838.13	863.98	887.82	912.67	937.52	962.36	987.21	1012.05
	S	4.9946	5.0328	5.0699	5.1060	5.1410	5.1750	5.2082	5.2405	5.2719
880	V	1.9992	2.0601	2.1211	2.1821	2.2431	2.3040	2.3650	2.4259	2.4869
	H	813.46	838.31	863.16	888.01	912.85	937.70	962.55	987.39	1012.23
	S	4.9832	5.0214	5.0585	5.0946	5.1296	5.1636	5.1968	5.2291	5.2605
900	V	1.9559	2.0155	2.0751	2.1347	2.1944	2.2540	2.3136	2.3732	2.4328
	H	813.63	838.49	863.34	888.19	913.04	937.88	962.73	987.57	1012.42
	S	4.9720	5.0103	5.0474	5.0834	5.1184	5.1525	5.1856	5.2179	5.2494
920	V	1.9145	1.9728	2.0311	2.0894	2.1478	2.2061	2.2644	2.3227	2.3810
	H	813.81	838.67	863.52	888.37	913.22	938.07	962.91	987.76	1012.60
	S	4.9611	4.9994	5.0365	5.0725	5.1075	5.1416	5.1747	5.2070	5.2385
940	V	1.8748	1.9319	1.9890	2.0461	2.1032	2.1602	2.2173	2.2744	2.3315
	H	813.99	838.85	863.70	888.55	913.40	938.25	963.09	987.94	1012.79
	S	4.9504	4.9887	5.0258	5.0618	5.0968	5.1309	5.1640	5.1963	5.2278
960	V	1.8368	1.8927	1.9486	2.0045	2.0604	2.1163	2.1722	2.2281	2.2840
	H	814.17	839.03	863.88	888.73	913.58	938.43	963.28	988.12	1012.97
	S	4.9400	4.9782	5.0153	5.0514	5.0864	5.1204	5.1536	5.1859	5.2173
980	V	1.8004	1.8551	1.9099	1.9647	2.0194	2.0742	2.1289	2.1837	2.2384
	H	814.35	839.21	864.06	888.91	913.76	938.61	963.46	988.31	1013.15
	S	4.9297	4.9680	5.0051	5.0411	5.0762	5.1102	5.1434	5.1756	5.2071

PRESSURE PSIA	V	TEMPERATURE								
		180	200	220	240	260	280	300	320	340
1000	V	1.7654	1.8190	1.8727	1.9264	1.9801	2.0337	2.0874	2.1410	2.1947
	H	814.53	839.39	864.24	889.09	913.95	938.80	963.64	988.49	1013.34
	S	4.9197	4.9580	4.9951	5.0311	5.0661	5.1002	5.1333	5.1656	5.1971
1020	V	1.7318	1.7844	1.8370	1.8896	1.9422	1.9948	2.0475	2.1001	2.1527
	H	814.71	839.57	864.42	889.28	914.13	938.98	963.83	988.67	1013.52
	S	4.9099	4.9481	4.9852	5.0213	5.0563	5.0904	5.1235	5.1558	5.1872
1040	V	1.6994	1.7510	1.8027	1.8543	1.9059	1.9575	2.0091	2.0607	2.1122
	H	814.89	839.75	864.60	889.46	914.31	939.16	964.01	988.86	1013.70
	S	4.9002	4.9385	4.9756	5.0116	5.0467	5.0807	5.1139	5.1461	5.1776
1060	V	1.6683	1.7190	1.7696	1.8202	1.8709	1.9215	1.9721	2.0227	2.0734
	H	815.07	839.93	864.78	889.64	914.49	939.34	964.19	989.04	1013.89
	S	4.8908	4.9290	4.9661	5.0022	5.0372	5.0713	5.1044	5.1367	5.1682
1080	V	1.6384	1.6881	1.7378	1.7875	1.8372	1.8869	1.9366	1.9862	2.0359
	H	815.25	840.11	864.96	889.82	914.67	939.52	964.47	989.22	1014.07
	S	4.8815	4.9197	4.9569	4.9929	5.0279	5.0620	5.0951	5.1274	5.1589
1100	V	1.6095	1.6583	1.7071	1.7559	1.8047	1.8535	1.9023	1.9511	1.9998
	H	815.43	840.28	865.14	890.00	914.85	939.70	964.56	989.41	1014.25
	S	4.8724	4.9106	4.9477	4.9838	5.0188	5.0529	5.0860	5.1183	5.1499
1120	V	1.5817	1.6296	1.6775	1.7255	1.7734	1.8213	1.8692	1.9171	1.9651
	H	815.60	840.46	865.32	890.18	915.03	939.89	964.74	989.59	1014.44
	S	4.8634	4.9017	4.9388	4.9748	5.0099	5.0439	5.0771	5.1094	5.1408
1140	V	1.5548	1.6019	1.6490	1.6961	1.7432	1.7903	1.8373	1.8844	1.9315
	H	815.78	840.64	865.50	890.36	915.21	940.07	964.92	989.77	1014.62
	S	4.8546	4.8929	4.9300	4.9660	5.0011	5.0351	5.0683	5.1006	5.1320
1160	V	1.5289	1.5751	1.6214	1.6677	1.7140	1.7603	1.8065	1.8528	1.8991
	H	815.96	840.82	865.68	890.54	915.39	940.25	965.10	989.95	1014.80
	S	4.8460	4.8842	4.9214	4.9574	4.9924	5.0265	5.0596	5.0919	5.1234
1180	V	1.5038	1.5493	1.5948	1.6403	1.6858	1.7313	1.7768	1.8223	1.8677
	H	816.14	841.00	865.86	890.72	915.57	940.43	965.28	990.13	1014.99
	S	4.8375	4.8757	4.9129	4.9489	4.9839	5.0180	5.0512	5.0835	5.1149
1200	V	1.4796	1.5243	1.5691	1.6138	1.6586	1.7033	1.7480	1.7927	1.8375
	H	816.32	841.18	866.04	890.90	915.76	940.61	965.46	990.32	1015.17
	S	4.8291	4.8674	4.9045	4.9406	4.9756	5.0097	5.0428	5.0751	5.1066

PRESSURE
PSIA

180 200 220 240 260 280 300 320 340

TEMPERATURE

	V	1.4561	1.5002	1.5442	1.5882	1.6322	1.6762	1.7202	1.7642	1.8082
1220	H	816.49	841.36	866.22	891.08	915.94	940.79	965.65	990.50	1015.35
	S	4.8209	4.8592	4.8963	4.9324	4.9674	5.0015	5.0346	5.0669	5.0984
	V	1.4335	1.4768	1.5201	1.5634	1.6067	1.6500	1.6933	1.7366	1.7799
1240	H	816.67	841.54	866.40	891.26	916.12	940.97	965.83	990.68	1015.53
	S	4.8128	4.8511	4.8882	4.9243	4.9593	4.9934	5.0265	5.0588	5.0903
	V	1.4115	1.4541	1.4968	1.5394	1.5820	1.6246	1.6672	1.7098	1.7524
1260	H	816.85	841.71	866.58	891.44	916.30	941.15	966.01	990.86	1015.72
	S	4.8049	4.8432	4.8803	4.9163	4.9514	4.9854	5.0186	5.0509	5.0824
	V	1.3902	1.4322	1.4742	1.5161	1.5581	1.6000	1.6420	1.6839	1.7258
1280	H	817.03	841.89	866.76	891.62	916.48	941.33	966.19	991.04	1015.90
	S	4.7971	4.8353	4.8725	4.9085	4.9435	4.9776	5.0108	5.0431	5.0745
	V	1.3696	1.4110	1.4523	1.4936	1.5349	1.5762	1.6175	1.6588	1.7001
1300	H	817.20	842.07	866.93	891.80	916.66	941.51	966.37	991.23	1016.08
	S	4.7894	4.8276	4.8648	4.9008	4.9358	4.9699	5.0031	5.0354	5.0668
	V	1.3496	1.3903	1.4310	1.4717	1.5124	1.5531	1.5937	1.6344	1.6751
1320	H	817.38	842.25	867.11	891.97	916.84	941.69	966.55	991.41	1016.26
	S	4.7818	4.8200	4.8572	4.8932	4.9283	4.9623	4.9955	5.0278	5.0593
	V	1.3302	1.3703	1.4104	1.4505	1.4906	1.5307	1.5707	1.6108	1.6508
1340	H	817.56	842.43	867.29	892.15	917.02	941.87	966.73	991.59	1016.44
	S	4.7743	4.8126	4.8497	4.8858	4.9208	4.9549	4.9880	5.0203	5.0518
	V	1.3114	1.3509	1.3904	1.4299	1.4694	1.5089	1.5484	1.5878	1.6273
1360	H	817.73	842.60	867.47	892.33	917.19	942.05	966.91	991.77	1016.62
	S	4.7669	4.8052	4.8423	4.8784	4.9134	4.9475	4.9807	5.0130	5.0444
	V	1.2931	1.3321	1.3710	1.4099	1.4488	1.4878	1.5267	1.5656	1.6045
1380	H	817.91	842.78	867.55	892.51	917.37	942.23	967.09	991.95	1016.81
	S	4.7597	4.7979	4.8351	4.8711	4.9062	4.9402	4.9734	5.0057	5.0372
	V	1.2754	1.3138	1.3521	1.3905	1.4289	1.4672	1.5056	1.5439	1.5823
1400	H	818.09	842.96	867.83	892.69	917.55	942.41	967.27	992.13	1016.99
	S	4.7525	4.7908	4.8279	4.8640	4.8990	4.9331	4.9663	4.9986	5.0300
	V	1.2531	1.2702	1.3072	1.3443	1.3813	1.4184	1.4554	1.4924	1.5295
1450	H	818.53	843.40	868.27	893.14	918.00	942.86	967.72	992.58	1017.44
	S	4.7351	4.7734	4.8105	4.8465	4.8816	4.9157	4.9488	4.9811	5.0126

PRESSURE PSIA		TEMPERATURE								
		180	200	220	240	260	280	300	320	340
1500	V	1.1937	1.2295	1.2653	1.3012	1.3370	1.3728	1.4086	1.4444	1.4802
	H	818.97	843.84	868.71	893.58	918.45	943.31	968.17	993.03	1017.89
	S	4.7182	4.7565	4.7936	4.8297	4.8647	4.8988	4.9320	4.9643	4.9958
1550	V	1.1568	1.1915	1.2261	1.2608	1.2955	1.3301	1.3648	1.3994	1.4341
	H	819.41	844.28	869.16	894.03	918.89	943.76	968.62	993.49	1018.35
	S	4.7019	4.7402	4.7773	4.8134	4.8484	4.8825	4.9157	4.9480	4.9795
1600	V	1.1222	1.1558	1.1894	1.2230	1.2565	1.2901	1.3237	1.3573	1.3908
	H	819.85	844.73	869.60	894.47	919.34	944.21	969.07	993.94	1018.80
	S	4.6861	4.7244	4.7616	4.7976	4.8327	4.8667	4.8999	4.9322	4.9637
1650	V	1.0897	1.1223	1.1548	1.1874	1.2200	1.2525	1.2851	1.3177	1.3502
	H	820.29	845.17	870.04	894.91	919.78	944.65	969.52	994.38	1019.25
	S	4.6708	4.7091	4.7463	4.7823	4.8174	4.8514	4.8846	4.9169	4.9484
1700	V	1.0591	1.0907	1.1223	1.1540	1.1856	1.2172	1.2488	1.2804	1.3120
	H	820.73	845.61	870.48	895.36	920.23	945.10	969.97	994.83	1019.70
	S	4.6560	4.6943	4.7314	4.7675	4.8025	4.8366	4.8698	4.9021	4.9336
1750	V	1.0302	1.0610	1.0917	1.1224	1.1531	1.1838	1.2145	1.2452	1.2759
	H	821.16	846.04	870.92	895.80	920.67	945.54	970.41	995.28	1020.15
	S	4.6415	4.6798	4.7170	4.7531	4.7881	4.8222	4.8554	4.8877	4.9191
1800	V	1.0030	1.0329	1.0627	1.0926	1.1225	1.1523	1.1822	1.2120	1.2419
	H	821.60	846.48	871.36	896.24	921.12	945.99	970.86	995.73	1020.59
	S	4.6275	4.6658	4.7030	4.7390	4.7741	4.8082	4.8414	4.8737	4.9052
1850	V	0.9772	1.0063	1.0353	1.0644	1.0935	1.1225	1.1516	1.1806	1.2097
	H	822.03	846.92	871.80	896.68	921.56	946.43	971.30	996.17	1021.04
	S	4.6139	4.6522	4.6893	4.7254	4.7605	4.7946	4.8277	4.8601	4.8916
1900	V	0.9528	0.9811	1.0094	1.0377	1.0660	1.0943	1.1226	1.1509	1.1792
	H	822.47	847.36	872.24	897.12	922.00	946.87	971.75	996.62	1021.49
	S	4.6006	4.6389	4.6761	4.7122	4.7472	4.7813	4.8145	4.8468	4.8783
1950	V	0.9296	0.9572	0.9848	1.0124	1.0399	1.0675	1.0951	1.1227	1.1502
	H	822.90	847.79	872.68	897.56	922.44	947.32	972.19	997.06	1021.94
	S	4.5877	4.6260	4.6631	4.6992	4.7343	4.7684	4.8016	4.8339	4.8654
2000	V	0.9076	0.9345	0.9614	0.9883	1.0152	1.0421	1.0690	1.0958	1.1227
	H	823.34	848.23	873.11	898.00	922.88	947.76	972.64	997.51	1022.37
	S	4.5751	4.6134	4.6505	4.6866	4.7217	4.7558	4.7890	4.8213	4.8525

PRESSURE PSIA	V	TEMPERATURE								
		180	200	220	240	260	280	300	320	340
2200	V	0.8295	0.8540	0.8784	0.9029	0.9274	0.9518	0.9763	1.0007	1.0252
	H	825.06	849.96	874.86	899.75	924.63	949.52	974.40	999.28	1024.16
	S	4.5275	4.5659	4.6031	4.6392	4.6743	4.7084	4.7416	4.7739	4.8054
2400	V	0.7644	0.7868	0.8093	0.8317	0.8541	0.8765	0.8990	0.9214	0.9438
	H	826.78	851.68	876.59	901.48	926.38	951.27	976.16	1001.04	1025.92
	S	4.4842	4.5226	4.5598	4.5959	4.6309	4.6650	4.6982	4.7306	4.7621
2500	V	0.7093	0.7300	0.7507	0.7715	0.7922	0.8129	0.8336	0.8543	0.8750
	H	828.49	853.40	878.30	903.21	928.11	953.01	977.90	1002.79	1027.68
	S	4.4443	4.4827	4.5199	4.5560	4.5943	4.6252	4.6584	4.6907	4.7222
2800	V	0.6620	0.6814	0.7005	0.7193	0.7390	0.7583	0.7775	0.7968	0.8160
	H	830.18	855.10	880.01	904.92	929.83	954.74	979.63	1004.53	1029.42
	S	4.4073	4.4457	4.4829	4.5197	4.5541	4.5882	4.6215	4.6538	4.6853
3000	V	0.6210	0.6360	0.6570	0.6750	0.6929	0.7109	0.7289	0.7459	0.7648
	H	831.87	856.79	881.71	906.63	931.54	956.45	981.36	1006.25	1031.16
	S	4.3729	4.4113	4.4485	4.4946	4.5197	4.5538	4.5871	4.6194	4.6510
3500	V	0.5290	0.5344	0.5538	0.5853	0.6007	0.6161	0.6315	0.6470	0.6624
	H	836.67	850.99	885.92	910.85	935.78	960.70	985.62	1010.54	1035.46
	S	4.2959	4.3342	4.3715	4.4070	4.4427	4.4769	4.5102	4.5425	4.5741
4000	V	0.4774	0.4909	0.5044	0.5179	0.5315	0.5450	0.5584	0.5720	0.5855
	H	840.20	865.15	890.10	915.05	939.39	964.93	987.03	1014.76	1039.69
	S	4.2290	4.2674	4.3047	4.3409	4.3760	4.4102	4.4434	4.4758	4.5074
4500	V	0.4293	0.4414	0.4534	0.4655	0.4775	0.4895	0.5016	0.5136	0.5256
	H	844.27	869.24	894.21	919.17	944.13	969.08	994.03	1018.98	1043.92
	S	4.1700	4.2084	4.2457	4.2819	4.3171	4.3523	4.3845	4.4170	4.4485
5000	V	0.3908	0.4017	0.4128	0.4234	0.4343	0.4451	0.4560	0.4668	0.4776
	H	848.29	873.28	898.27	923.24	948.22	973.19	998.15	1023.11	1048.07
	S	4.1171	4.1555	4.1928	4.2290	4.2642	4.2985	4.3318	4.3642	4.3958
5500	V	0.3593	0.3692	0.3791	0.3890	0.3988	0.4087	0.4186	0.4285	0.4383
	H	852.27	877.28	902.27	927.27	952.26	977.24	1002.22	1027.19	1052.16
	S	4.0691	4.1076	4.1469	4.1812	4.2164	4.2505	4.2839	4.3164	4.3480
6000	V	0.3330	0.3420	0.3511	0.3602	0.3693	0.3783	0.3874	0.3965	0.4055
	H	856.20	881.22	906.24	931.25	956.25	981.25	1006.24	1031.23	1056.21
	S	4.0252	4.0638	4.1011	4.1374	4.1726	4.2069	4.2402	4.2727	4.3043

PRESSURE PSIA		TEMPERATURE									
		360	380	400	420	440	460	480	500	520	
14.696	V	149.4535	153.0988	156.7441	160.3894	164.0347	167.6801	171.3254	174.9707	178.6160	
	H	1028.96	1053.78	1078.61	1103.43	1128.25	1153.07	1177.90	1202.72	1227.54	
	S	7.3199	7.3498	7.3790	7.4076	7.4355	7.4627	7.4894	7.5156	7.5412	
16	V	137.2774	140.6256	143.9739	147.3221	150.6703	154.0185	157.3668	160.7150	164.0632	
	H	1028.97	1053.80	1078.62	1103.44	1128.26	1153.09	1177.91	1202.73	1227.55	
	S	7.2777	7.3077	7.3369	7.3654	7.3933	7.4206	7.4473	7.4734	7.4990	
20	V	109.8327	112.5113	115.1899	117.8685	120.5470	123.2256	125.9042	128.5828	131.2614	
	H	1029.01	1053.83	1078.66	1103.48	1128.30	1153.12	1177.95	1202.77	1227.59	
	S	7.1672	7.1971	7.2263	7.2548	7.2827	7.3100	7.3367	7.3629	7.3885	
24	V	91.5362	93.7684	96.0005	98.2327	100.4649	102.6970	104.9292	107.1614	109.3935	
	H	1029.05	1053.87	1078.70	1103.52	1128.34	1153.16	1177.99	1202.81	1227.63	
	S	7.0768	7.1067	7.1359	7.1645	7.1924	7.2197	7.2464	7.2725	7.2981	
28	V	78.4673	80.3806	82.2939	84.2072	86.1205	88.0337	89.9470	91.8603	93.7736	
	H	1029.09	1053.91	1078.73	1103.56	1128.38	1153.20	1178.02	1202.85	1227.67	
	S	7.0004	7.0303	7.0595	7.0881	7.1160	7.1433	7.1700	7.1961	7.2217	
32	V	68.6656	70.3397	72.0139	73.6880	75.3621	77.0363	78.7104	80.3846	82.0587	
	H	1029.13	1053.95	1078.77	1103.59	1128.42	1153.24	1178.06	1202.89	1227.71	
	S	6.9342	6.9641	6.9933	7.0219	7.0498	7.0771	7.1038	7.1299	7.155.	
36	V	61.0420	62.5302	64.0183	65.5064	66.9946	68.4827	69.9708	71.4589	72.9471	
	H	1029.16	1053.99	1078.81	1103.63	1128.46	1153.28	1178.10	1202.92	1227.75	
	S	6.8758	6.9058	6.9350	6.9635	6.9914	7.0187	7.0454	7.0715	7.0971	
40	V	54.9432	56.2825	57.6219	58.9612	60.3005	61.6398	62.9791	64.3185	65.6578	
	H	1029.20	1054.03	1078.85	1103.67	1128.49	1153.32	1178.14	1202.96	1227.79	
	S	6.8236	6.8535	6.8828	6.9113	6.9392	6.9665	6.9932	7.0193	7.0449	
44	V	49.9533	51.1708	52.3884	53.6060	54.8236	56.0411	57.2587	58.4763	59.6938	
	H	1029.24	1054.06	1078.89	1103.71	1128.53	1153.36	1178.18	1203.00	1227.82	
	S	6.7764	6.8063	6.8355	6.8641	6.8920	6.9192	6.9459	6.9721	6.9977	
48	V	45.7950	46.9111	48.0272	49.1433	50.2594	51.3755	52.4916	53.6077	54.7238	
	H	1029.28	1054.10	1078.92	1103.75	1128.57	1153.39	1178.22	1203.04	1227.86	
	S	6.7333	6.7632	6.7924	6.8209	6.8488	6.8761	6.9028	6.9290	6.9546	
52	V	42.2764	43.3067	44.3369	45.3672	46.3975	47.4277	48.4580	49.4882	50.5185	
	H	1029.32	1054.14	1078.96	1103.79	1128.61	1153.43	1178.26	1203.08	1227.90	
	S	6.6936	6.7235	6.7527	6.7813	6.8092	6.8365	6.8632	6.8893	6.914.	

PRESSURE
 PSIA

					TEMPERATURE					
					420	440	460	480	500	520
56	V	39.2605	40.2172	41.1739	42.1305	43.0872	44.0439	45.0006	45.9572	46.9139
	H	1029.35	1054.18	1079.00	1103.82	1128.65	1153.47	1178.29	1203.12	1227.94
	S	6.6569	6.6868	6.7160	6.7445	6.7724	6.7997	6.8264	6.8526	6.8782
60	V	36.6467	37.5396	38.4325	39.3254	40.2183	41.1112	42.0041	42.8970	43.7899
	H	1029.39	1054.22	1079.04	1103.86	1128.69	1153.51	1178.33	1203.16	1227.98
	S	6.6227	6.6526	6.6818	6.7103	6.7382	6.7655	6.7922	6.8184	6.8440
70	V	31.4192	32.1845	32.9499	33.7152	34.4806	35.2459	36.0113	36.7766	37.5419
	H	1029.49	1054.31	1079.14	1103.96	1128.78	1153.61	1178.43	1203.25	1228.08
	S	6.5463	6.5762	6.6054	6.6339	6.6618	6.6891	6.7158	6.7420	6.7676
80	V	27.4985	28.1682	28.8379	29.5076	30.1773	30.8469	31.5166	32.1863	32.8560
	H	1029.58	1054.41	1079.23	1104.05	1128.88	1153.70	1178.53	1203.35	1228.17
	S	6.4801	6.5100	6.5392	6.5678	6.5957	6.6229	6.6496	6.6758	6.7014
90	V	24.4491	25.0444	25.6397	26.2349	26.8302	27.4255	28.0208	28.6161	29.2113
	H	1029.68	1054.50	1079.33	1104.15	1128.97	1153.80	1178.62	1203.44	1228.27
	S	6.4217	6.4516	6.4808	6.5094	6.5373	6.5646	6.5913	6.6174	6.6430
100	V	22.0096	22.5453	23.0811	23.6168	24.1526	24.6884	25.2241	25.7599	26.2956
	H	1029.77	1054.60	1079.42	1104.25	1129.07	1153.89	1178.72	1203.54	1228.37
	S	6.3695	6.3994	6.4286	6.4572	6.4851	6.5123	6.5390	6.5652	6.5908
110	V	20.0136	20.5006	20.9877	21.4748	21.9618	22.4489	22.9359	23.4230	23.9100
	H	1029.87	1054.69	1079.52	1104.34	1129.17	1153.99	1178.81	1203.64	1228.46
	S	6.3222	6.3522	6.3814	6.4099	6.4378	6.4651	6.4918	6.5179	6.5435
120	V	18.3503	18.7967	19.2432	19.6897	20.1362	20.5826	21.0291	21.4756	21.9220
	H	1029.96	1054.79	1079.61	1104.44	1129.26	1154.09	1178.91	1203.73	1228.56
	S	6.2791	6.3090	6.3382	6.3668	6.3947	6.4220	6.4487	6.4748	6.5004
130	V	16.9429	17.3550	17.7671	18.1793	18.5914	19.0035	19.4156	19.8278	20.2399
	H	1030.06	1054.88	1079.71	1104.53	1129.36	1154.18	1179.01	1203.83	1228.66
	S	6.2394	6.2694	6.2986	6.3271	6.3550	6.3823	6.4090	6.4352	6.4608
140	V	15.7363	16.1192	16.5019	16.8846	17.2673	17.6500	18.0327	18.4154	18.7981
	H	1030.16	1054.98	1079.81	1104.63	1129.45	1154.28	1179.10	1203.93	1228.75
	S	6.2027	6.2326	6.2618	6.2904	6.3183	6.3456	6.3723	6.3984	6.4240
150	V	14.6910	15.0482	15.4054	15.7626	16.1197	16.4769	16.8341	17.1913	17.5485
	H	1030.25	1055.08	1079.90	1104.73	1129.55	1154.38	1179.20	1204.02	1228.85
	S	6.1685	6.1984	6.2276	6.2562	6.2841	6.3114	6.3381	6.3642	6.3896

PRESSURE PSIA		TEMPERATURE									
		360	380	400	420	440	460	480	500	520	
160	V	13.7762	14.1110	14.4459	14.7808	15.1156	15.4505	15.7854	16.1202	16.4551	
	H	1030.35	1055.17	1080.00	1104.82	1129.65	1154.47	1179.30	1204.12	1228.95	
	S	6.1365	6.1664	6.1957	6.2242	6.2521	6.2794	6.3061	6.3322	6.3578	
170	V	12.9690	13.2841	13.5993	13.9145	14.2297	14.5448	14.8600	15.1752	15.4903	
	H	1030.44	1055.27	1080.09	1104.92	1129.74	1154.57	1179.39	1204.22	1229.04	
	S	6.1065	6.1364	6.1656	6.1941	6.2221	6.2493	6.2760	6.3022	6.3278	
180	V	12.2515	12.5491	12.8468	13.1445	13.4421	13.7398	14.0374	14.3351	14.6328	
	H	1030.54	1055.36	1080.19	1105.01	1129.84	1154.66	1179.49	1204.31	1229.14	
	S	6.0781	6.1081	6.1373	6.1658	6.1937	6.2210	6.2477	6.2739	6.2995	
190	V	11.6095	11.8915	12.1735	12.4555	12.7375	13.0195	13.3015	13.5835	13.8655	
	H	1030.63	1055.46	1080.28	1105.11	1129.94	1154.76	1179.59	1204.41	1229.24	
	S	6.0513	6.0813	6.1105	6.1390	6.1669	6.1942	6.2209	6.2471	6.2727	
200	V	11.0317	11.2996	11.5675	11.8354	12.1033	12.3712	12.6391	12.9070	13.1749	
	H	1030.73	1055.55	1080.38	1105.21	1130.03	1154.86	1179.68	1204.51	1229.33	
	S	6.0259	6.0558	6.0850	6.1136	6.1415	6.1688	6.1955	6.2216	6.2472	
220	V	10.0337	10.2773	10.5208	10.7644	11.0079	11.2515	11.4950	11.7386	11.9821	
	H	1030.92	1055.75	1080.57	1105.40	1130.22	1155.05	1179.88	1204.70	1229.53	
	S	5.9787	6.0086	6.0378	6.0663	6.0943	6.1215	6.1482	6.1744	6.2000	
240	V	9.2021	9.4253	9.6486	9.8718	10.0951	10.3184	10.5416	10.7649	10.9881	
	H	1031.11	1055.94	1080.76	1105.59	1130.42	1155.24	1180.07	1204.89	1229.72	
	S	5.9355	5.9655	5.9947	6.0232	6.0511	6.0784	6.1051	6.1313	6.1569	
260	V	8.4984	8.7044	8.9105	9.1166	9.3227	9.5288	9.7349	9.9410	10.1471	
	H	1031.30	1056.13	1080.96	1105.78	1130.61	1155.44	1180.26	1205.09	1229.91	
	S	5.8959	5.9258	5.9550	5.9835	6.0114	6.0387	6.0654	6.0916	6.1172	
280	V	7.8952	8.0866	8.2779	8.4693	8.6607	8.8520	9.0434	9.2348	9.4261	
	H	1031.49	1056.32	1081.15	1105.97	1130.80	1155.63	1180.45	1205.28	1230.11	
	S	5.8591	5.8890	5.9183	5.9468	5.9747	6.0020	6.0287	6.0549	6.0805	
300	V	7.3724	7.5510	7.7297	7.9083	8.0869	8.2655	8.4441	8.6227	8.8013	
	H	1031.68	1056.51	1081.34	1106.17	1130.99	1155.82	1180.65	1205.47	1230.30	
	S	5.8249	5.8548	5.8841	5.9126	5.9405	5.9678	5.9945	6.0207	6.0463	
320	V	6.9150	7.0825	7.2499	7.4174	7.5848	7.7523	7.9198	8.0872	8.2546	
	H	1031.88	1056.70	1081.53	1106.36	1131.19	1156.01	1180.84	1205.67	1230.49	
	S	5.7929	5.8228	5.8521	5.8806	5.9085	5.9358	5.9625	5.9887	6.0143	

PRESSURE PSIA	V	TEMPERATURE								
		360	380	400	420	440	460	480	500	520
340	V	6.5114	6.6690	6.8266	6.9843	7.1419	7.2995	7.4571	7.6147	7.7723
	H	1032.07	1056.90	1081.72	1106.55	1131.38	1156.21	1181.03	1205.86	1230.69
	S	5.7629	5.7928	5.8220	5.8506	5.8785	5.9058	5.9325	5.9586	5.9842
360	V	6.1527	6.3015	6.4504	6.5992	6.7481	6.8970	7.0458	7.1946	7.3435
	H	1032.26	1057.09	1081.92	1106.74	1131.57	1156.40	1181.23	1206.06	1230.88
	S	5.7345	5.7645	5.7937	5.8222	5.8501	5.8774	5.9041	5.9303	5.9559
380	V	5.8317	5.9727	6.1137	6.2548	6.3958	6.5368	6.6778	6.8188	6.9599
	H	1032.45	1057.28	1082.11	1106.94	1131.77	1156.59	1181.42	1206.25	1231.08
	S	5.7077	5.7377	5.7669	5.7954	5.8233	5.8506	5.8773	5.9035	5.9291
400	V	5.5428	5.6768	5.8108	5.9447	6.0787	6.2127	6.3466	6.4806	6.6146
	H	1032.64	1057.47	1082.30	1107.13	1131.96	1156.79	1181.61	1206.44	1231.27
	S	5.6823	5.7122	5.7414	5.7700	5.7979	5.8252	5.8519	5.8780	5.9037
420	V	5.2809	5.4090	5.5366	5.6642	5.7918	5.9194	6.0470	6.1746	6.3022
	H	1032.79	1057.56	1082.49	1107.32	1132.15	1156.98	1181.81	1206.64	1231.46
	S	5.6581	5.6880	5.7173	5.7458	5.7737	5.8010	5.8277	5.8539	5.8795
440	V	5.0432	5.1651	5.2859	5.4092	5.5310	5.6523	5.7746	5.8964	6.0182
	H	1032.98	1057.81	1082.64	1107.51	1132.34	1157.17	1182.00	1206.83	1231.66
	S	5.6350	5.6649	5.6941	5.7228	5.7507	5.7790	5.8047	5.8308	5.8564
460	V	4.8263	4.9428	5.0593	5.1758	5.2923	5.4083	5.5259	5.6424	5.7589
	H	1033.17	1058.00	1082.83	1107.66	1132.49	1157.32	1182.20	1207.02	1231.85
	S	5.6130	5.6429	5.6721	5.7007	5.7286	5.7559	5.7826	5.8088	5.8344
480	V	4.6274	4.7290	4.8507	4.9624	5.0740	5.1857	5.2974	5.4090	5.5212
	H	1033.35	1058.19	1083.02	1107.85	1132.68	1157.51	1182.34	1207.17	1232.05
	S	5.5918	5.6218	5.6510	5.6796	5.7075	5.7348	5.7615	5.7876	5.8133
500	V	4.4444	4.5516	4.6588	4.7660	4.8732	4.9804	5.0876	5.1948	5.3020
	H	1033.54	1058.37	1083.21	1108.04	1132.87	1157.70	1182.53	1207.36	1232.19
	S	5.5716	5.6015	5.6308	5.6593	5.6872	5.7145	5.7412	5.7674	5.7930
520	V	4.2755	4.3786	4.4816	4.5847	4.6878	4.7909	4.8940	4.9970	5.1001
	H	1033.73	1058.56	1083.39	1108.23	1133.06	1157.89	1182.72	1207.55	1232.38
	S	5.5522	5.5821	5.6113	5.6399	5.6678	5.6951	5.7218	5.7479	5.7735
540	V	4.1191	4.2184	4.3176	4.4169	4.5161	4.6154	4.7147	4.8139	4.9132
	H	1033.91	1058.75	1083.58	1108.41	1133.25	1158.08	1182.91	1207.74	1232.57
	S	5.5334	5.5634	5.5926	5.6212	5.6491	5.6764	5.7031	5.7292	5.7548

PRESSURE PSIA		TEMPERATURE								
		360	380	400	420	440	460	480	500	520
560	V	3.9739	4.0696	4.1653	4.2610	4.3567	4.4525	4.5482	4.6439	4.7396
	H	1034.10	1058.94	1083.77	1108.60	1133.43	1158.27	1183.10	1207.93	1232.76
	S	5.5154	5.5453	5.5746	5.6031	5.6310	5.6583	5.6850	5.7112	5.7368
580	V	3.8386	3.9311	4.0235	4.1159	4.2083	4.3008	4.3932	4.4856	4.5780
	H	1034.29	1059.12	1083.96	1108.79	1133.62	1158.46	1183.29	1208.12	1232.95
	S	5.4980	5.5279	5.5572	5.5857	5.6136	5.6409	5.6676	5.6938	5.7194
600	V	3.7124	3.8018	3.8911	3.9805	4.0698	4.1592	4.2485	4.3378	4.4272
	H	1034.47	1059.31	1084.14	1108.98	1133.81	1158.64	1183.48	1208.31	1233.14
	S	5.4812	5.5111	5.5403	5.5689	5.5968	5.6241	5.6508	5.6770	5.7026
620	V	3.5944	3.6808	3.7673	3.8538	3.9402	4.0267	4.1132	4.1996	4.2861
	H	1034.66	1059.50	1084.33	1109.17	1134.00	1158.83	1183.67	1208.50	1233.33
	S	5.4649	5.4949	5.5241	5.5526	5.5806	5.6079	5.6346	5.6607	5.6863
640	V	3.4837	3.5675	3.6512	3.7350	3.8188	3.9025	3.9863	4.0700	4.1538
	H	1034.85	1059.68	1084.52	1109.35	1134.19	1159.02	1183.85	1208.69	1233.52
	S	5.4492	5.4791	5.5083	5.5369	5.5648	5.5921	5.6188	5.6450	5.6706
660	V	3.3797	3.4609	3.5422	3.6234	3.7046	3.7859	3.8671	3.9483	4.0295
	H	1035.03	1059.87	1084.71	1109.54	1134.38	1159.21	1184.04	1208.88	1233.71
	S	5.4339	5.4638	5.4931	5.5216	5.5496	5.5769	5.6036	5.6297	5.6553
680	V	3.2818	3.3607	3.4395	3.5184	3.5972	3.6761	3.7549	3.8337	3.9126
	H	1035.22	1060.06	1084.89	1109.73	1134.56	1159.40	1184.23	1209.06	1233.90
	S	5.4191	5.4490	5.4783	5.5068	5.5347	5.5620	5.5888	5.6149	5.6405
700	V	3.1896	3.2662	3.3428	3.4194	3.4959	3.5725	3.6491	3.7257	3.8023
	H	1035.41	1060.24	1085.08	1109.92	1134.75	1159.59	1184.42	1209.25	1234.09
	S	5.4047	5.4347	5.4639	5.4925	5.5204	5.5477	5.5744	5.6005	5.6261
720	V	3.1024	3.1769	3.2514	3.3258	3.4003	3.4748	3.5492	3.6237	3.6981
	H	1035.59	1060.43	1085.27	1110.10	1134.94	1159.77	1184.61	1209.44	1234.28
	S	5.3908	5.4207	5.4499	5.4785	5.5064	5.5337	5.5604	5.5866	5.6122
740	V	3.0200	3.0925	3.1649	3.2374	3.3098	3.3823	3.4547	3.5272	3.5996
	H	1035.78	1060.62	1085.45	1110.29	1135.13	1159.96	1184.80	1209.63	1234.47
	S	5.3772	5.4071	5.4363	5.4649	5.4928	5.5201	5.5468	5.5730	5.5988
760	V	2.9419	3.0124	3.0830	3.1536	3.2241	3.2946	3.3652	3.4357	3.5062
	H	1035.96	1060.80	1085.64	1110.48	1135.31	1160.15	1184.98	1209.82	1234.31
	S	5.3639	5.3939	5.4231	5.4517	5.4795	5.5069	5.5336	5.5597	5.5855

∞ PRESSURE
PSIA

360 380 400 420 440 460 480 500 520

		V	2.8678	2.9365	3.0053	3.0740	3.1428	3.2115	3.2802	3.3490	3.4177
780	H		1036.15	1060.99	1085.83	1110.66	1135.50	1160.34	1185.17	1210.01	1234.84
	S		5.3510	5.3810	5.4102	5.4388	5.4667	5.4940	5.5207	5.5469	5.5725
		V	2.7974	2.8644	2.9315	2.9985	3.0655	3.1325	3.1996	3.2666	3.3336
800	H		1036.33	1061.17	1086.01	1110.85	1135.69	1160.52	1185.36	1210.20	1235.03
	S		5.3385	5.3684	5.3977	5.4262	5.4541	5.4814	5.5082	5.5343	5.5599
		V	2.7304	2.7958	2.8612	2.9266	2.9920	3.0574	3.1228	3.1882	3.2536
820	H		1036.52	1061.36	1086.20	1111.04	1135.87	1160.71	1185.55	1210.38	1235.22
	S		5.3262	5.3562	5.3854	5.4140	5.4419	5.4692	5.4959	5.5221	5.5477
		V	2.6667	2.7305	2.7944	2.8582	2.9220	2.9859	3.0497	3.1135	3.1774
840	H		1036.70	1061.54	1086.38	1111.22	1136.06	1160.90	1185.74	1210.57	1235.41
	S		5.3143	5.3442	5.3735	5.4020	5.4299	5.4572	5.4840	5.5101	5.5357
		V	2.6059	2.6682	2.7306	2.7929	2.8553	2.9176	2.9800	3.0423	3.1047
860	H		1036.89	1061.73	1086.57	1111.41	1136.25	1161.09	1185.92	1210.76	1235.60
	S		5.3026	5.3325	5.3618	5.3903	5.4183	5.4456	5.4723	5.4984	5.5240
		V	2.5478	2.6088	2.6697	2.7307	2.7916	2.8525	2.9135	2.9744	3.0353
880	H		1037.07	1061.92	1086.76	1111.60	1136.43	1161.27	1186.11	1210.95	1235.78
	S		5.2912	5.3211	5.3504	5.3789	5.4069	5.4342	5.4609	5.4870	5.5126
		V	2.4924	2.5520	2.6115	2.6711	2.7307	2.7903	2.8499	2.9095	2.9690
900	H		1037.26	1062.10	1086.94	1111.78	1136.62	1161.46	1186.30	1211.14	1235.97
	S		5.2800	5.3100	5.3392	5.3678	5.3957	5.4230	5.4497	5.4759	5.5015
		V	2.4393	2.4976	2.5559	2.6142	2.6725	2.7308	2.7891	2.8474	2.9056
920	H		1037.44	1062.29	1087.13	1111.97	1136.81	1161.65	1186.49	1211.32	1236.16
	S		5.2691	5.2991	5.3283	5.3569	5.3848	5.4121	5.4388	5.4650	5.4906
		V	2.3885	2.4456	2.5026	2.5597	2.6167	2.6738	2.7308	2.7879	2.8449
940	H		1037.63	1062.47	1087.31	1112.15	1136.99	1161.83	1186.67	1211.51	1236.35
	S		5.2585	5.2884	5.3176	5.3462	5.3741	5.4014	5.4282	5.4543	5.4799
		V	2.3398	2.3957	2.4516	2.5074	2.5633	2.6192	2.6750	2.7309	2.7868
960	H		1037.81	1062.66	1087.50	1112.34	1137.18	1162.02	1186.86	1211.70	1236.54
	S		5.2480	5.2780	5.3072	5.3358	5.3637	5.3910	5.4177	5.4439	5.4695
		V	2.2931	2.3479	2.4026	2.4573	2.5121	2.5668	2.6215	2.6762	2.7309
980	H		1038.00	1062.84	1087.68	1112.53	1137.37	1162.21	1187.05	1211.89	1236.72
	S		5.2378	5.2677	5.2970	5.3255	5.3535	5.3808	5.4075	5.4336	5.4595

PRESSURE PSIA	TEMPERATURE									
	360	380	400	420	440	460	480	500	520	
1000	V	2.2483	2.3020	2.3556	2.4092	2.4629	2.5165	2.5701	2.6238	2.6774
	H	1038.18	1063.03	1087.87	1112.71	1137.55	1162.39	1187.23	1212.07	1236.91
	S	5.2278	5.2577	5.2869	5.3155	5.3434	5.3707	5.3975	5.4236	5.4492
1020	V	2.2052	2.2578	2.3104	2.3630	2.4156	2.4682	2.5208	2.5733	2.6259
	H	1038.37	1063.21	1088.05	1112.90	1137.74	1162.58	1187.42	1212.26	1237.10
	S	5.2179	5.2479	5.2771	5.3057	5.3336	5.3609	5.3876	5.4138	5.4394
1040	V	2.1638	2.2154	2.2670	2.3186	2.3701	2.4217	2.4733	2.5248	2.5764
	H	1038.55	1063.39	1088.24	1113.08	1137.92	1162.77	1187.61	1212.45	1237.29
	S	5.2083	5.2382	5.2675	5.2961	5.3240	5.3513	5.3780	5.4042	5.4298
1060	V	2.1240	2.1746	2.2252	2.2758	2.3264	2.3770	2.4276	2.4782	2.5288
	H	1038.73	1063.58	1088.42	1113.27	1138.11	1162.95	1187.79	1212.63	1237.47
	S	5.1988	5.2288	5.2580	5.2866	5.3145	5.3418	5.3686	5.3947	5.4203
1080	V	2.0856	2.1353	2.1849	2.2346	2.2843	2.3339	2.3836	2.4333	2.4829
	H	1038.92	1063.76	1088.61	1113.45	1138.30	1163.14	1187.98	1212.82	1237.66
	S	5.1896	5.2195	5.2488	5.2773	5.3052	5.3326	5.3593	5.3854	5.4111
1100	V	2.0486	2.0974	2.1462	2.1949	2.2437	2.2925	2.3412	2.3900	2.4387
	H	1039.10	1063.95	1088.79	1113.64	1138.48	1163.32	1188.17	1213.01	1237.85
	S	5.1805	5.2104	5.2396	5.2682	5.2961	5.3235	5.3502	5.3763	5.4044
1120	V	2.0130	2.0609	2.1088	2.1567	2.2046	2.2524	2.3003	2.3482	2.3961
	H	1039.28	1064.13	1088.98	1113.82	1138.67	1163.51	1188.35	1213.19	1238.03
	S	5.1715	5.2015	5.2307	5.2593	5.2872	5.3145	5.3412	5.3674	5.3930
1140	V	1.9785	2.0256	2.0727	2.1197	2.1668	2.2138	2.2609	2.3079	2.3550
	H	1039.47	1064.32	1089.16	1114.01	1138.85	1163.70	1188.54	1213.38	1238.22
	S	5.1627	5.1927	5.2219	5.2505	5.2784	5.3057	5.3325	5.3586	5.3842
1160	V	1.9453	1.9916	2.0378	2.0841	2.1303	2.1766	2.2228	2.2690	2.3153
	H	1039.65	1064.50	1089.35	1114.19	1139.04	1163.88	1188.72	1213.57	1238.41
	S	5.1541	5.1840	5.2133	5.2419	5.2698	5.2971	5.3238	5.3500	5.3756
1180	V	1.9132	1.9587	2.0042	2.0496	2.0951	2.1406	2.1860	2.2315	2.2749
	H	1039.83	1064.68	1089.53	1114.38	1139.22	1164.07	1188.91	1213.75	1238.50
	S	5.1456	5.1756	5.2048	5.2334	5.2613	5.2886	5.3153	5.3415	5.3671
1200	V	1.8822	1.9269	1.9716	2.0163	2.0610	2.1057	2.1504	2.1951	2.2398
	H	1040.02	1064.87	1089.71	1114.56	1139.41	1164.25	1189.10	1213.94	1238.71
	S	5.1373	5.1672	5.1965	5.2250	5.2530	5.2803	5.3070	5.3332	5.3585

PRESSURE
PSIA

		TEMPERATURE									
		360	380	400	420	440	460	480	500	520	
1220	V	1.8522	1.8962	1.9401	1.9841	2.0281	2.0721	2.1160	2.1600	2.2040	
	H	1040.20	1065.05	1089.90	1114.75	1139.59	1164.44	1189.28	1214.12	1238.97	
	S	5.1291	5.1590	5.1883	5.2168	5.2448	5.2721	5.2988	5.3250	5.3506	
1240	V	1.8231	1.8664	1.9097	1.9530	1.9962	2.0395	2.0827	2.1260	2.1693	
	H	1040.38	1065.23	1090.08	1114.93	1139.78	1164.62	1189.47	1214.31	1239.15	
	S	5.1210	5.1509	5.1802	5.2088	5.2367	5.2640	5.2907	5.3169	5.3425	
1260	V	1.7950	1.8376	1.8802	1.9228	1.9654	2.0079	2.0505	2.0931	2.1357	
	H	1040.57	1065.42	1090.27	1115.11	1139.96	1164.81	1189.65	1214.50	1239.34	
	S	5.1130	5.1430	5.1722	5.2008	5.2287	5.2561	5.2828	5.3089	5.3346	
1280	V	1.7678	1.8097	1.8516	1.8935	1.9355	1.9774	2.0193	2.0612	2.1031	
	H	1040.75	1065.60	1090.45	1115.30	1140.14	1164.99	1189.84	1214.68	1239.52	
	S	5.1052	5.1352	5.1644	5.1930	5.2209	5.2482	5.2750	5.3011	5.3267	
1300	V	1.7414	1.7826	1.8239	1.8652	1.9065	1.9477	1.9890	2.0303	2.0715	
	H	1040.93	1065.78	1090.63	1115.48	1140.33	1165.18	1190.02	1214.87	1239.71	
	S	5.0975	5.1275	5.1567	5.1853	5.2132	5.2405	5.2673	5.2934	5.3191	
1320	V	1.7157	1.7564	1.7971	1.8377	1.8784	1.9190	1.9597	2.0003	2.0409	
	H	1041.11	1065.97	1090.82	1115.67	1140.51	1165.36	1190.21	1215.05	1239.90	
	S	5.0899	5.1199	5.1491	5.1777	5.2057	5.2330	5.2597	5.2859	5.3115	
1340	V	1.6909	1.7310	1.7710	1.8111	1.8511	1.8911	1.9312	1.9712	2.0113	
	H	1041.30	1066.15	1091.00	1115.85	1140.70	1165.55	1190.39	1215.24	1240.08	
	S	5.0825	5.1124	5.1417	5.1703	5.1982	5.2255	5.2522	5.2784	5.3040	
1360	V	1.6668	1.7063	1.7457	1.7852	1.8246	1.8641	1.9035	1.9430	1.9824	
	H	1041.48	1066.33	1091.18	1116.03	1140.88	1165.73	1190.58	1215.42	1240.27	
	S	5.0751	5.1051	5.1343	5.1629	5.1908	5.2181	5.2449	5.2710	5.2967	
1380	V	1.6434	1.6823	1.7212	1.7600	1.7989	1.8378	1.8767	1.9156	1.9545	
	H	1041.66	1066.51	1091.37	1116.22	1141.07	1165.91	1190.76	1215.61	1240.45	
	S	5.0679	5.0978	5.1271	5.1557	5.1836	5.2109	5.2376	5.2638	5.2894	
1400	V	1.6206	1.6590	1.6973	1.7356	1.7740	1.8123	1.8506	1.8890	1.9273	
	H	1041.84	1066.70	1091.55	1116.40	1141.25	1166.10	1190.95	1215.79	1240.64	
	S	5.0607	5.0907	5.1199	5.1485	5.1764	5.2038	5.2305	5.2567	5.2823	
1450	V	1.5665	1.6035	1.6405	1.6776	1.7146	1.7516	1.7886	1.8256	1.8626	
	H	1042.30	1067.15	1092.01	1116.86	1141.71	1166.56	1191.41	1216.25	1241.10	
	S	5.0433	5.0733	5.1025	5.1311	5.1590	5.1863	5.2131	5.2392	5.2649	

PRESSURE PSIA		TEMPERATURE									
		360	380	400	420	440	460	480	500	520	
1500	V	1.5160	1.5518	1.5876	1.6233	1.6591	1.6949	1.7307	1.7665	1.8022	
	H	1042.75	1067.61	1092.46	1117.31	1142.17	1167.02	1191.87	1216.72	1241.56	
	S	5.0265	5.0564	5.0857	5.1143	5.1422	5.1695	5.1962	5.2224	5.2480	
1550	V	1.4687	1.5034	1.5380	1.5726	1.6073	1.6419	1.6765	1.7111	1.7458	
	H	1043.20	1068.06	1092.92	1117.77	1142.62	1167.48	1192.33	1217.18	1242.03	
	S	5.0102	5.0401	5.0694	5.0980	5.1259	5.1532	5.1800	5.2061	5.2318	
1600	V	1.4244	1.4580	1.4915	1.5251	1.5586	1.5922	1.6257	1.6593	1.6928	
	H	1043.66	1068.51	1093.37	1118.23	1143.08	1167.93	1192.79	1217.64	1242.49	
	S	4.9944	5.0244	5.0536	5.0822	5.1101	5.1375	5.1642	5.1904	5.2160	
1650	V	1.3828	1.4153	1.4479	1.4804	1.5129	1.5455	1.5780	1.6105	1.6431	
	H	1044.11	1068.97	1093.83	1118.68	1143.54	1168.39	1193.24	1218.10	1242.95	
	S	4.9791	5.0091	5.0383	5.0669	5.0949	5.1222	5.1489	5.1751	5.2007	
1700	V	1.3436	1.3752	1.4068	1.4384	1.4699	1.5015	1.5331	1.5647	1.5962	
	H	1044.56	1069.42	1094.28	1119.14	1143.99	1168.85	1193.70	1218.56	1243.41	
	S	4.9643	4.9942	5.0235	5.0521	5.0800	5.1074	5.1341	5.1603	5.1859	
1750	V	1.3066	1.3373	1.3680	1.3987	1.4294	1.4601	1.4908	1.5214	1.5521	
	H	1045.01	1069.87	1094.73	1119.59	1144.45	1169.30	1194.16	1219.01	1243.87	
	S	4.9499	4.9798	5.0091	5.0377	5.0656	5.0930	5.1197	5.1459	5.175	
1800	V	1.2717	1.3016	1.3314	1.3613	1.3911	1.4209	1.4508	1.4806	1.5104	
	H	1045.46	1070.32	1095.18	1120.04	1144.90	1169.76	1194.62	1219.47	1244.32	
	S	4.9359	4.9658	4.9951	5.0237	5.0516	5.0790	5.1057	5.1319	5.1575	
1850	V	1.2387	1.2678	1.2968	1.3258	1.3549	1.3839	1.4129	1.4419	1.4710	
	H	1045.91	1070.77	1095.64	1120.50	1145.36	1170.22	1195.07	1219.93	1244.78	
	S	4.9223	4.9522	4.9815	5.0101	5.0380	5.0654	5.0921	5.1183	5.1439	
1900	V	1.2075	1.2357	1.2640	1.2923	1.3205	1.3488	1.3771	1.4053	1.4336	
	H	1046.36	1071.22	1096.09	1120.95	1145.81	1170.67	1195.53	1220.38	1245.24	
	S	4.9090	4.9390	4.9682	4.9968	5.0248	5.0521	5.0788	5.1050	5.1307	
1950	V	1.1778	1.2053	1.2329	1.2604	1.2880	1.3155	1.3431	1.3706	1.3981	
	H	1046.80	1071.67	1096.54	1121.40	1146.26	1171.12	1195.98	1220.84	1245.0	
	S	4.8961	4.9261	4.9553	4.9839	5.0119	5.0392	5.0659	5.0921	5.117	
2000	V	1.1496	1.1765	1.2033	1.2302	1.2570	1.2839	1.3108	1.3376	1.3649	
	H	1047.25	1072.12	1096.99	1121.85	1146.71	1171.58	1196.44	1221.29	1246.1	
	S	4.8835	4.9135	4.9427	4.9713	4.9993	5.0266	5.0534	5.0795	5.1057	

PRESSURE
 PSIA

		TEMPERATURE									
		360	380	400	420	440	460	480	500	520	
2200	V	1.0496	1.0740	1.0985	1.1229	1.1473	1.1718	1.1962	1.2206	1.2450	
	H	1049.03	1073.91	1098.78	1123.65	1148.51	1173.38	1198.25	1223.11	1247.97	
	S	4.8361	4.8661	4.8954	4.9240	4.9519	4.9792	5.0060	5.0322	5.0578	
2400	V	0.9663	0.9887	1.0111	1.0335	1.0559	1.0783	1.1007	1.1231	1.1455	
	H	1050.80	1075.68	1100.56	1125.43	1150.31	1175.18	1200.05	1224.91	1249.78	
	S	4.7928	4.8228	4.8521	4.8807	4.9086	4.9360	4.9627	4.9889	5.0146	
2600	V	0.8957	0.9164	0.9371	0.9578	0.9785	0.9992	1.0198	1.0405	1.0612	
	H	1052.57	1077.45	1102.33	1127.21	1152.09	1176.96	1201.84	1226.71	1251.58	
	S	4.7530	4.7830	4.8123	4.8409	4.8688	4.8962	4.9229	4.9491	4.9748	
2800	V	0.8352	0.8544	0.8737	0.8929	0.9121	0.9313	0.9505	0.9697	0.9889	
	H	1054.32	1079.20	1104.09	1128.98	1153.86	1178.74	1203.62	1228.49	1253.37	
	S	4.7161	4.7461	4.7754	4.8040	4.8320	4.8593	4.8861	4.9123	4.9379	
3000	V	0.7828	0.8007	0.8187	0.8366	0.8546	0.8725	0.8904	0.9084	0.9263	
	H	1056.06	1080.95	1105.84	1130.73	1155.62	1180.50	1205.39	1230.27	1255.15	
	S	4.6817	4.7117	4.7410	4.7696	4.7976	4.8250	4.8517	4.8779	4.9036	
3500	V	0.6778	0.6932	0.7086	0.7240	0.7394	0.7548	0.7702	0.7856	0.8010	
	H	1060.37	1085.28	1110.18	1135.08	1159.98	1184.88	1209.77	1234.67	1259.56	
	S	4.6048	4.6349	4.6642	4.6928	4.7208	4.7482	4.7750	4.8012	4.8268	
4000	V	0.5990	0.6125	0.6260	0.6395	0.6529	0.6664	0.6799	0.6934	0.7069	
	H	1064.62	1089.54	1114.46	1139.37	1164.29	1189.20	1214.10	1239.01	1263.91	
	S	4.5382	4.5682	4.5975	4.6262	4.6542	4.6816	4.7084	4.7346	4.7603	
4500	V	0.5376	0.5496	0.5616	0.5736	0.5856	0.5976	0.6096	0.6216	0.6336	
	H	1068.86	1093.79	1118.68	1143.61	1168.54	1193.46	1218.38	1243.30	1268.21	
	S	4.4793	4.5094	4.5387	4.5674	4.5954	4.6228	4.6496	4.6758	4.7015	
5000	V	0.4885	0.4993	0.5101	0.5209	0.5317	0.5426	0.5533	0.5641	0.5749	
	H	1073.02	1097.96	1122.91	1147.85	1172.78	1197.72	1222.60	1247.53	1272.46	
	S	4.4266	4.4567	4.4860	4.5147	4.5427	4.5702	4.5969	4.6232	4.6489	
5500	V	0.4482	0.4580	0.4679	0.4777	0.4876	0.4974	0.5073	0.5171	0.5269	
	H	1077.13	1102.09	1127.05	1152.00	1176.95	1201.89	1226.84	1251.78	1276.71	
	S	4.3788	4.4089	4.4383	4.4670	4.4950	4.5225	4.5493	4.5755	4.6013	
6000	V	0.4146	0.4236	0.4327	0.4417	0.4507	0.4598	0.4688	0.4778	0.4869	
	H	1081.19	1106.17	1131.14	1156.11	1181.07	1206.03	1230.98	1255.93	1280.88	
	S	4.3352	4.3653	4.3947	4.4234	4.4514	4.4789	4.5057	4.5320	4.5577	

PRESSURE PSIA		TEMPERATURE									
		540	560	580	600	620	640	660	680	700	
14.696	V	182.2613	185.9066	189.5519	193.1973	196.8426	200.4879	204.1332	207.7785	211.4238	
	H	1252.36	1277.19	1302.01	1326.83	1351.65	1376.47	1401.30	1426.12	1450.94	
	S	7.5663	7.5908	7.6150	7.6386	7.6618	7.6846	7.7070	7.7289	7.7505	
16	V	167.4114	170.7597	174.1079	177.4561	180.8043	184.1525	187.5007	190.8490	194.1972	
	H	1252.38	1277.20	1302.02	1326.84	1351.67	1376.49	1401.31	1426.13	1450.95	
	S	7.5241	7.5487	7.5728	7.5965	7.6197	7.6425	7.6648	7.6868	7.7084	
20	V	133.9400	136.6186	139.2972	141.9757	144.6543	147.3329	150.0115	152.6900	155.3686	
	H	1252.41	1277.24	1302.06	1326.88	1351.70	1376.53	1401.35	1426.17	1450.99	
	S	7.4135	7.4381	7.4622	7.4859	7.5091	7.5319	7.5542	7.5762	7.5978	
24	V	111.6257	113.8578	116.0900	118.3222	120.5543	122.7865	125.0186	127.2508	129.4829	
	H	1252.45	1277.28	1302.10	1326.92	1351.74	1376.57	1401.39	1426.21	1451.03	
	S	7.3232	7.3478	7.3719	7.3955	7.4187	7.4415	7.4639	7.4858	7.5074	
28	V	95.6869	97.6002	99.5135	101.4268	103.3400	105.2533	107.1666	109.0799	110.9931	
	H	1252.49	1277.31	1302.14	1326.96	1351.78	1376.60	1401.43	1426.25	1451.07	
	S	7.2468	7.2714	7.2955	7.3191	7.3423	7.3651	7.3875	7.4094	7.4310	
32	V	83.7328	85.4069	87.0811	88.7552	90.4293	92.1034	93.7776	95.4517	97.1258	
	H	1252.53	1277.35	1302.18	1327.00	1351.82	1376.64	1401.47	1426.29	1451.11	
	S	7.1806	7.2052	7.2293	7.2529	7.2761	7.2989	7.3213	7.3433	7.3646	
36	V	74.4352	75.9233	77.4114	78.8995	80.3877	81.8758	83.3639	84.8520	86.3401	
	H	1252.57	1277.39	1302.21	1327.04	1351.86	1376.68	1401.50	1426.33	1451.15	
	S	7.1222	7.1468	7.1709	7.1946	7.2178	7.2405	7.2629	7.2849	7.3065	
40	V	66.9971	68.3364	69.6757	71.0150	72.3543	73.6936	75.0329	76.3722	77.7115	
	H	1252.61	1277.43	1302.25	1327.08	1351.90	1376.72	1401.54	1426.37	1451.19	
	S	7.0700	7.0946	7.1187	7.1423	7.1656	7.1883	7.2107	7.2327	7.2543	
44	V	60.9114	62.1289	63.3465	64.5640	65.7816	66.9991	68.2167	69.4343	70.6518	
	H	1252.65	1277.47	1302.29	1327.11	1351.94	1376.76	1401.58	1426.41	1451.23	
	S	7.0228	7.0474	7.0715	7.0951	7.1183	7.1411	7.1635	7.1854	7.2070	
48	V	55.8399	56.9560	58.0721	59.1882	60.3043	61.4204	62.5365	63.6526	64.7697	
	H	1252.69	1277.51	1302.33	1327.15	1351.98	1376.80	1401.62	1426.44	1451.7	
	S	6.9796	7.0042	7.0283	7.0520	7.0752	7.0980	7.1203	7.1423	7.1657	
52	V	51.5487	52.5790	53.6092	54.6395	55.6697	56.7000	57.7302	58.7604	59.7907	
	H	1252.72	1277.55	1302.37	1327.19	1352.02	1376.84	1401.66	1426.48	1451.71	
	S	5.9400	6.9646	6.9887	7.0123	7.0355	7.0583	7.0807	7.1026	7.1244	

PRESSURE PSIA		TEMPERATURE								
		540	560	580	600	620	640	650	680	700
56	V	47.8705	48.8272	49.7839	50.7405	51.6972	52.6538	53.6105	54.5671	55.5238
	H	1252.76	1277.59	1302.41	1327.23	1352.05	1376.88	1401.70	1426.52	1451.35
	S	6.9032	6.9278	6.9519	6.9756	6.9988	7.0216	7.0439	7.0659	7.0875
60	V	44.6828	45.5757	46.4686	47.3614	48.2543	49.1472	50.0401	50.9330	51.8258
	H	1252.80	1277.62	1302.45	1327.27	1352.09	1376.92	1401.74	1426.56	1451.38
	S	6.8690	6.8936	6.9177	6.9414	6.9646	6.9874	7.0097	7.0317	7.0533
70	V	38.3073	39.0726	39.8379	40.6033	41.3686	42.1339	42.8993	43.6646	44.4234
	H	1252.90	1277.72	1302.54	1327.37	1352.19	1377.01	1401.84	1426.66	1451.48
	S	6.7926	6.8172	6.8413	6.8650	6.8882	6.9110	6.9333	6.9553	6.9769
80	V	33.5256	34.1953	34.8650	35.5347	36.2043	36.8740	37.5437	38.2133	38.8830
	H	1252.99	1277.82	1302.64	1327.46	1352.29	1377.11	1401.93	1426.76	1451.58
	S	6.7265	6.7511	6.7752	6.7988	6.8220	6.8448	6.8672	6.8891	6.9107
90	V	29.8065	30.4019	30.9971	31.5924	32.1877	32.7829	33.3782	33.9735	34.5687
	H	1253.09	1277.92	1302.74	1327.56	1352.38	1377.21	1402.03	1426.85	1451.68
	S	6.6681	6.6927	6.7168	6.7404	6.7636	6.7864	6.8088	6.8308	6.8524
100	V	26.8314	27.3671	27.9028	28.4386	28.9743	29.5101	30.0458	30.5816	31.1173
	H	1253.19	1278.01	1302.84	1327.66	1352.48	1377.31	1402.13	1426.95	1451.78
	S	6.6159	6.6405	6.6646	6.6882	6.7114	6.7342	6.7566	6.7785	6.8004
110	V	24.3971	24.8841	25.3712	25.8582	26.3452	26.8323	27.3193	27.8064	28.2934
	H	1253.29	1278.11	1302.93	1327.76	1352.58	1377.40	1402.23	1427.05	1451.87
	S	6.5686	6.5932	6.6173	6.6410	6.6642	6.6870	6.7093	6.7313	6.7529
120	V	22.3685	22.8150	23.2614	23.7079	24.1543	24.6008	25.0472	25.4937	25.9402
	H	1253.38	1278.21	1303.03	1327.85	1352.68	1377.50	1402.32	1427.15	1451.91
	S	6.5255	6.5501	6.5742	6.5979	6.6211	6.6438	6.6662	6.6882	6.7098
130	V	20.6520	21.0641	21.4763	21.8884	22.3005	22.7126	23.1247	23.5368	23.9489
	H	1253.48	1278.30	1303.13	1327.95	1352.77	1377.60	1402.42	1427.25	1452.07
	S	6.4858	6.5104	6.5345	6.5582	6.5814	6.6042	6.6265	6.6485	6.6701
140	V	19.1807	19.5634	19.9461	20.3288	20.7115	21.0942	21.4768	21.8595	22.2472
	H	1253.58	1278.40	1303.22	1328.05	1352.87	1377.70	1402.52	1427.34	1452.17
	S	6.4491	6.4737	6.4978	6.5214	6.5447	6.5674	6.5898	6.6118	6.6334
150	V	17.9056	18.2628	18.6200	18.9772	19.3343	19.6915	20.0487	20.4058	20.7630
	H	1253.67	1278.50	1303.32	1328.15	1352.97	1377.79	1402.62	1427.44	1452.17
	S	6.419	6.4395	6.4636	6.4873	6.5105	6.5332	6.5556	6.5776	6.599

PRESSURE PSIA			TEMPERATURE								
			540	560	580	600	620	640	660	680	700
160	V		16.7899	17.1248	17.4596	17.7945	18.1293	18.4642	18.7990	19.1339	19.4687
	H		1253.77	1278.59	1303.42	1328.24	1353.07	1377.89	1402.71	1427.54	1452.36
	S		6.3829	6.4075	6.4316	6.4553	6.4785	6.5013	6.5236	6.5456	6.5672
170	V		15.8055	16.1206	16.4358	16.7510	17.0661	17.3813	17.6964	18.0116	18.3267
	H		1253.87	1278.69	1303.52	1328.34	1353.16	1377.99	1402.81	1427.64	1452.46
	S		6.3529	6.3775	6.4016	6.4252	6.4484	6.4712	6.4936	6.5155	6.5371
180	V		14.9304	15.2281	15.5257	15.8234	16.1210	16.4187	16.7163	17.0139	17.3116
	H		1253.96	1278.79	1303.61	1328.44	1353.26	1378.09	1402.91	1427.73	1452.56
	S		6.3245	6.3491	6.3732	6.3969	6.4201	6.4429	6.4652	6.4872	6.5088
190	V		14.1475	14.4294	14.7114	14.9934	15.2754	15.5574	15.8394	16.1213	16.4033
	H		1254.06	1278.89	1303.71	1328.53	1353.36	1378.18	1403.01	1427.83	1452.66
	S		6.2977	6.3223	6.3464	6.3701	6.3933	6.4161	6.4384	6.4604	6.4820
200	V		13.4428	13.7107	13.9786	14.2465	14.5143	14.7822	15.0501	15.3180	15.5859
	H		1254.16	1278.98	1303.81	1328.63	1353.46	1378.28	1403.10	1427.93	1452.75
	S		6.2723	6.2969	6.3210	6.3447	6.3679	6.3907	6.4130	6.4350	6.4566
220	V		12.2257	12.4692	12.7127	12.9563	13.1998	13.4433	13.6869	13.9304	14.1739
	H		1254.35	1279.18	1304.00	1328.83	1353.65	1378.48	1403.30	1428.12	1452.95
	S		6.2251	6.2497	6.2738	6.2974	6.3206	6.3434	6.3658	6.3878	6.4094
240	V		11.2114	11.4346	11.6579	11.8811	12.1044	12.3276	12.5508	12.7741	12.9973
	H		1254.55	1279.37	1304.20	1329.02	1353.85	1378.67	1403.50	1428.32	1453.14
	S		6.1819	6.2065	6.2306	6.2543	6.2775	6.3003	6.3227	6.3446	6.3662
260	V		10.3531	10.5592	10.7653	10.9714	11.1774	11.3835	11.5896	11.7956	12.0017
	H		1254.74	1279.56	1304.39	1329.22	1354.04	1378.87	1403.69	1428.52	1453.34
	S		6.1423	6.1669	6.1910	6.2146	6.2378	6.2606	6.2830	6.3050	6.3265
280	V		9.6175	9.8089	10.0002	10.1916	10.3829	10.5743	10.7656	10.9570	11.1483
	H		1254.93	1279.76	1304.58	1329.41	1354.24	1379.06	1403.89	1428.71	1453.54
	S		6.1055	6.1301	6.1542	6.1779	6.2011	6.2239	6.2462	6.2682	6.2898
300	V		8.9799	9.1586	9.3372	9.5158	9.6944	9.8730	10.0516	10.2302	10.4088
	H		1255.13	1279.95	1304.78	1329.61	1354.43	1379.26	1404.08	1428.91	1453.73
	S		6.0713	6.0959	6.1200	6.1437	6.1669	6.1897	6.2121	6.2340	6.2556
320	V		8.4221	8.5895	8.7570	8.9244	9.0919	9.2593	9.4267	9.5942	9.7616
	H		1255.32	1280.15	1304.97	1329.80	1354.63	1379.45	1404.28	1429.10	1453.93
	S		6.0393	6.0639	6.0880	6.1117	6.1349	6.1577	6.1801	6.2020	6.2236

**PRESSURE
PSIA**

			TEMPERATURE								
			540	560	580	600	620	640	660	680	700
340	V	7.9299	8.0875	8.2451	8.4027	8.5602	8.7178	8.8754	9.0330	9.1906	
	H	1255.52	1280.34	1305.17	1329.99	1354.82	1379.65	1404.47	1429.30	1454.12	
	S	6.0093	6.0339	6.0580	6.0816	6.1049	6.1276	6.1500	6.1720	6.1936	
360	V	7.4923	7.6412	7.7900	7.9389	8.0877	8.2365	8.3854	8.5342	8.6831	
	H	1255.71	1280.54	1305.36	1330.19	1355.02	1379.84	1404.67	1429.49	1454.32	
	S	5.9810	6.0056	6.0297	6.0533	6.0765	6.0993	6.1217	6.1437	6.1653	
380	V	7.1009	7.2419	7.3829	7.5239	7.6649	7.8059	7.9469	8.0879	8.2289	
	H	1255.90	1280.73	1305.56	1330.38	1355.21	1380.04	1404.86	1429.69	1454.52	
	S	5.9542	5.9788	6.0029	6.0265	6.0497	6.0725	6.0949	6.1169	6.1385	
400	V	6.7485	6.8825	7.0165	7.1504	7.2844	7.4183	7.5523	7.6862	7.8202	
	H	1256.10	1280.93	1305.75	1330.58	1355.41	1380.23	1405.06	1429.89	1454.71	
	S	5.9287	5.9533	5.9774	6.0011	6.0243	6.0471	6.0695	6.0914	6.1130	
420	V	6.4298	6.5573	6.6849	6.8125	6.9401	7.0677	7.1953	7.3228	7.4504	
	H	1256.29	1281.12	1305.95	1330.77	1355.60	1380.43	1405.26	1430.08	1454.91	
	S	5.9046	5.9291	5.9533	5.9769	6.0001	6.0229	6.0453	6.0672	6.0888	
440	V	6.1400	6.2618	6.3835	6.5053	6.6271	6.7489	6.8707	6.9925	7.1142	
	H	1256.49	1281.31	1306.14	1330.97	1355.80	1380.62	1405.45	1430.28	1455.10	
	S	5.8815	5.9061	5.9302	5.9538	5.9771	5.9998	6.0222	6.0442	6.0651	
460	V	5.8754	5.9919	6.1084	6.2249	6.3413	6.4578	6.5743	6.6908	6.8073	
	H	1256.68	1281.51	1306.34	1331.16	1355.99	1380.82	1405.65	1430.47	1455.30	
	S	5.8595	5.8840	5.9082	5.9318	5.9550	5.9778	6.0002	6.0222	6.0437	
480	V	5.6328	5.7445	5.8561	5.9678	6.0794	6.1910	6.3027	6.4143	6.5259	
	H	1256.88	1281.70	1306.53	1331.36	1356.19	1381.02	1405.84	1430.67	1455.50	
	S	5.8384	5.8630	5.8871	5.9107	5.9339	5.9567	5.9791	6.0011	6.0227	
500	V	5.4092	5.5169	5.6240	5.7312	5.8384	5.9456	6.0527	6.1599	6.2671	
	H	1257.02	1281.90	1306.73	1331.56	1356.38	1381.21	1406.04	1430.87	1455.69	
	S	5.8181	5.8427	5.8668	5.8905	5.9137	5.9365	5.9588	5.9808	6.0024	
520	V	5.2032	5.3062	5.4093	5.5129	5.6159	5.7190	5.8220	5.9251	6.0281	
	H	1257.21	1282.04	1306.87	1331.75	1356.58	1381.41	1406.23	1431.06	1455.79	
	S	5.7986	5.8232	5.8473	5.8710	5.8942	5.9170	5.9394	5.9614	5.9830	
540	V	5.0124	5.1117	5.2109	5.3102	5.4094	5.5092	5.6084	5.7077	5.8061	
	H	1257.40	1282.23	1307.06	1331.89	1356.72	1381.60	1406.43	1431.26	1455.61	
	S	5.7799	5.8045	5.8286	5.8523	5.8734	5.8983	5.9207	5.9427	5.964	

PRESSURE PSIA		TEMPERATURE								
		540	560	580	600	620	640	660	680	700
560	V	4.8353	4.9310	5.0267	5.1224	5.2181	5.3138	5.4095	5.5058	5.6014
	H	1257.59	1282.42	1307.25	1332.08	1356.91	1381.74	1406.57	1431.45	1456.28
	S	5.7619	5.7865	5.8106	5.8342	5.8575	5.8802	5.9026	5.9246	5.9462
580	V	4.6704	4.7628	4.8552	4.9476	5.0400	5.1324	5.2248	5.3172	5.4096
	H	1257.78	1282.61	1307.44	1332.27	1357.10	1381.93	1406.76	1431.59	1456.42
	S	5.7445	5.7691	5.7932	5.8168	5.8401	5.8628	5.8852	5.9072	5.9288
600	V	4.5165	4.6058	4.6952	4.7845	4.8738	4.9631	5.0525	5.1418	5.2311
	H	1257.97	1282.80	1307.63	1332.46	1357.29	1382.12	1406.95	1431.78	1456.61
	S	5.7277	5.7523	5.7764	5.8000	5.8233	5.8460	5.8684	5.8904	5.9120
620	V	4.3725	4.4590	4.5454	4.6319	4.7183	4.8047	4.8912	4.9776	5.0641
	H	1258.16	1282.99	1307.82	1332.65	1357.48	1382.31	1407.14	1431.97	1456.80
	S	5.7114	5.7360	5.7601	5.7838	5.8070	5.8298	5.8522	5.8741	5.8957
640	V	4.2375	4.3213	4.4050	4.4888	4.5725	4.6563	4.7400	4.8237	4.9075
	H	1258.35	1283.18	1308.01	1332.85	1357.68	1382.51	1407.34	1432.17	1457.00
	S	5.6957	5.7203	5.7444	5.7680	5.7913	5.8140	5.8364	5.8584	5.8800
660	V	4.1107	4.1919	4.2732	4.3544	4.4356	4.5168	4.5980	4.6792	4.7604
	H	1258.54	1283.37	1308.20	1333.04	1357.87	1382.70	1407.53	1432.36	1457.19
	S	5.6804	5.7050	5.7291	5.7528	5.7760	5.7988	5.8212	5.8431	5.8647
680	V	3.9914	4.0702	4.1490	4.2279	4.3067	4.3855	4.4643	4.5431	4.6220
	H	1258.73	1283.56	1308.39	1333.23	1358.06	1382.89	1407.72	1432.55	1457.38
	S	5.6656	5.6902	5.7143	5.7380	5.7612	5.7840	5.8064	5.8283	5.8499
700	V	3.8789	3.9554	4.0320	4.1086	4.1851	4.2617	4.3383	4.4149	4.4914
	H	1258.92	1283.75	1308.58	1333.42	1358.25	1383.08	1407.91	1432.74	1457.57
	S	5.6512	5.6758	5.6999	5.7236	5.7468	5.7696	5.7920	5.8140	5.8356
720	V	3.7726	3.8470	3.9215	3.9959	4.0704	4.1448	4.2193	4.2937	4.3681
	H	1259.11	1283.94	1308.77	1333.61	1358.44	1383.27	1408.10	1432.93	1457.76
	S	5.6373	5.6619	5.6860	5.7096	5.7328	5.7556	5.7780	5.8000	5.8216
740	V	3.6720	3.7445	3.8169	3.8894	3.9618	4.0342	4.1067	4.1791	4.2515
	H	1259.30	1284.13	1308.96	1333.80	1358.63	1383.46	1408.29	1433.12	1457.95
	S	5.6237	5.6483	5.6724	5.6960	5.7193	5.7421	5.7644	5.7864	5.8080
760	V	3.5768	3.6473	3.7179	3.7884	3.8589	3.9295	4.0000	4.0705	4.1410
	H	1259.49	1284.32	1309.15	1333.99	1358.82	1383.65	1408.48	1433.31	1458.15
	S	5.6105	5.6350	5.6592	5.6828	5.7060	5.7288	5.7512	5.7732	5.7948

PRESSURE
PSIA

						TEMPERATURE					
			540	560	580	600	620	640	660	680	700
780	V		3.4864	3.5552	3.6239	3.6926	3.7613	3.8301	3.8988	3.9675	4.0362
	H		1259.68	1284.51	1309.34	1334.18	1359.01	1383.84	1408.67	1433.51	1458.34
	S		5.5976	5.6222	5.6463	5.6699	5.6932	5.7159	5.7383	5.7603	5.7819
800	V		3.4006	3.4676	3.5346	3.6016	3.6686	3.7356	3.8026	3.8696	3.9366
	H		1259.87	1284.70	1309.53	1334.37	1359.20	1384.03	1408.86	1433.70	1458.53
	S		5.5850	5.6096	5.6337	5.6574	5.6806	5.7034	5.7258	5.7478	5.7694
820	V		3.3189	3.3843	3.4497	3.5151	3.5804	3.6458	3.7112	3.7766	3.8419
	H		1260.05	1284.89	1309.72	1334.56	1359.39	1384.22	1409.06	1433.89	1458.72
	S		5.5728	5.5974	5.6215	5.6451	5.6684	5.6911	5.7135	5.7355	5.7571
840	V		3.2412	3.3050	3.3688	3.4326	3.4965	3.5603	3.6241	3.6879	3.7517
	H		1260.24	1285.08	1309.91	1334.75	1359.58	1384.41	1409.25	1434.08	1458.91
	S		5.5608	5.5854	5.6095	5.6332	5.6564	5.6792	5.7016	5.7236	5.7452
860	V		3.1670	3.2294	3.2917	3.3540	3.4164	3.4787	3.5410	3.6034	3.6657
	H		1260.43	1285.27	1310.10	1334.94	1359.77	1384.60	1409.44	1434.27	1459.10
	S		5.5491	5.5737	5.5979	5.6215	5.6447	5.6675	5.6899	5.7119	5.7335
880	V		3.0962	3.1572	3.2181	3.2790	3.3399	3.4009	3.4618	3.5227	3.5836
	H		1260.62	1285.46	1310.29	1335.13	1359.96	1384.79	1409.63	1434.46	1459.29
	S		5.5377	5.5623	5.5865	5.6101	5.6333	5.6561	5.6785	5.7005	5.7221
900	V		3.0286	3.0882	3.1478	3.2073	3.2669	3.3265	3.3860	3.4456	3.5051
	H		1260.81	1285.64	1310.48	1335.31	1360.15	1384.98	1409.82	1434.65	1459.48
	S		5.5266	5.5512	5.5753	5.5990	5.6222	5.6450	5.6674	5.6893	5.7109
920	V		2.9639	3.0222	3.0805	3.1387	3.1970	3.2553	3.3136	3.3718	3.4301
	H		1261.00	1285.83	1310.67	1335.50	1360.34	1385.17	1410.01	1434.84	1459.67
	S		5.5157	5.5403	5.5644	5.5881	5.6113	5.6341	5.6565	5.6784	5.7000
940	V		2.9020	2.9590	3.0160	3.0731	3.1301	3.1872	3.2442	3.3012	3.3582
	H		1261.19	1286.02	1310.86	1335.69	1360.53	1385.36	1410.20	1435.03	1459.86
	S		5.5050	5.5296	5.5537	5.5774	5.6006	5.6234	5.6458	5.6678	5.6894
960	V		2.8426	2.8985	2.9543	3.0102	3.0660	3.1219	3.1777	3.2335	3.2894
	H		1261.37	1286.21	1311.05	1335.88	1360.72	1385.55	1410.39	1435.22	1460.05
	S		5.4946	5.5192	5.5433	5.5670	5.5902	5.6130	5.6354	5.6573	5.6789
980	V		2.7857	2.8404	2.8951	2.9498	3.0045	3.0592	3.1139	3.1686	3.2233
	H		1261.56	1286.40	1311.24	1336.07	1360.91	1385.74	1410.58	1435.41	1460.27
	S		5.4844	5.5090	5.5331	5.5567	5.5800	5.6027	5.6251	5.6471	5.6900

PRESSURE PSIA		TEMPERATURE								
		540	560	580	600	620	640	660	680	700
1000	V	2.7310	2.7846	2.8382	2.8919	2.9455	2.9991	3.0527	3.1063	3.1599
	H	1261.75	1286.59	1311.42	1336.26	1361.10	1385.93	1410.77	1435.60	1460.44
	S	5.4743	5.4989	5.5231	5.5467	5.5699	5.5927	5.6151	5.6371	5.6587
1020	V	2.6785	2.7310	2.7836	2.8362	2.8887	2.9413	2.9939	3.0464	3.0990
	H	1261.94	1286.77	1311.61	1336.45	1361.28	1386.12	1410.96	1435.79	1460.63
	S	5.4645	5.4891	5.5132	5.5369	5.5601	5.5829	5.6053	5.6273	5.6489
1040	V	2.6280	2.6795	2.7311	2.7827	2.8342	2.8858	2.9373	2.9889	3.0404
	H	1262.12	1286.96	1311.80	1336.64	1361.47	1386.31	1411.15	1435.98	1460.82
	S	5.4549	5.4795	5.5036	5.5273	5.5505	5.5733	5.5957	5.6176	5.6392
1060	V	2.5794	2.6300	2.6806	2.7311	2.7817	2.8323	2.8829	2.9335	2.9840
	H	1262.31	1287.15	1311.99	1336.83	1361.66	1386.50	1411.33	1436.17	1461.01
	S	5.4454	5.4700	5.4941	5.5178	5.5410	5.5638	5.5862	5.6082	5.6298
1080	V	2.5326	2.5822	2.6319	2.6815	2.7312	2.7808	2.8305	2.8801	2.9298
	H	1262.50	1287.34	1312.18	1337.01	1361.85	1386.69	1411.52	1436.36	1461.19
	S	5.4362	5.4608	5.4849	5.5085	5.5318	5.5546	5.5769	5.5989	5.6205
1100	V	2.4875	2.5362	2.5850	2.6337	2.6825	2.7312	2.7800	2.8287	2.8775
	H	1262.69	1287.53	1312.36	1337.20	1362.04	1386.88	1411.71	1436.55	1461.38
	S	5.4270	5.4517	5.4758	5.4994	5.5227	5.5454	5.5678	5.5898	5.6114
1120	V	2.4440	2.4919	2.5398	2.5876	2.6355	2.6834	2.7313	2.7791	2.8270
	H	1262.87	1287.71	1312.55	1337.39	1362.23	1387.07	1411.90	1436.74	1461.57
	S	5.4181	5.4427	5.4668	5.4905	5.5137	5.5365	5.5589	5.5809	5.6025
1140	V	2.4020	2.4491	2.4961	2.5432	2.5902	2.6372	2.6843	2.7313	2.7783
	H	1263.06	1287.90	1312.74	1337.58	1362.42	1387.25	1412.09	1436.93	1461.76
	S	5.4093	5.4339	5.4581	5.4817	5.5049	5.5277	5.5501	5.5721	5.5937
1160	V	2.3615	2.4078	2.4540	2.5002	2.5464	2.5927	2.6389	2.6851	2.7313
	H	1263.25	1288.09	1312.93	1337.77	1362.61	1387.44	1412.28	1437.12	1461.95
	S	5.4007	5.4253	5.4494	5.4731	5.4963	5.5191	5.5415	5.5635	5.5851
1180	V	2.3224	2.3678	2.4133	2.4587	2.5042	2.5496	2.5951	2.6405	2.6859
	H	1263.44	1288.28	1313.12	1337.95	1362.79	1387.63	1412.47	1437.31	1462.14
	S	5.3922	5.4168	5.4409	5.4646	5.4878	5.5106	5.5330	5.5550	5.5766
1200	V	2.2845	2.3292	2.3739	2.4186	2.4633	2.5080	2.5527	2.5974	2.6421
	H	1263.62	1288.46	1313.30	1338.14	1362.98	1387.82	1412.66	1437.50	1462.31
	S	5.3839	5.4085	5.4326	5.4563	5.4795	5.5023	5.5247	5.5467	5.5683

PRESSURE PSIA		TEMPERATURE								
		540	560	580	600	620	640	660	680	700
1220	V	2.2479	2.2919	2.3359	2.3798	2.4238	2.4677	2.5117	2.5556	2.5996
	H	1263.81	1288.65	1313.49	1338.33	1363.17	1388.01	1412.85	1437.68	1462.52
	S	5.3757	5.4003	5.4244	5.4481	5.4713	5.4941	5.5165	5.5385	5.5601
1240	V	2.2125	2.2558	2.2990	2.3423	2.3855	2.4288	2.4720	2.5153	2.5585
	H	1264.00	1288.84	1313.68	1338.52	1363.36	1388.20	1413.03	1437.87	1462.71
	S	5.3676	5.3922	5.4163	5.4400	5.4632	5.4860	5.5084	5.5304	5.5520
1260	V	2.1782	2.2208	2.2634	2.3059	2.3485	2.3911	2.4336	2.4762	2.5187
	H	1264.18	1289.02	1313.86	1338.71	1363.55	1388.38	1413.22	1438.06	1462.90
	S	5.3597	5.3843	5.4084	5.4321	5.4553	5.4781	5.5005	5.5225	5.5441
1280	V	2.1450	2.1869	2.2288	2.2707	2.3126	2.3545	2.3964	2.4383	2.4802
	H	1264.37	1289.21	1314.05	1338.89	1363.73	1388.57	1413.41	1438.25	1463.09
	S	5.3519	5.3765	5.4006	5.4242	5.4475	5.4703	5.4927	5.5146	5.5362
1300	V	2.1128	2.1541	2.1953	2.2366	2.2778	2.3191	2.3604	2.4016	2.4429
	H	1264.55	1289.40	1314.24	1339.08	1363.92	1388.76	1413.60	1438.44	1463.28
	S	5.3442	5.3688	5.3929	5.4166	5.4398	5.4626	5.4850	5.5069	5.5286
1320	V	2.0816	2.1222	2.1629	2.2035	2.2441	2.2848	2.3254	2.3660	2.4066
	H	1264.74	1289.58	1314.43	1339.27	1364.11	1388.95	1413.79	1438.63	1463.47
	S	5.3366	5.3612	5.3853	5.4090	5.4322	5.4550	5.4774	5.4994	5.5210
1340	V	2.0513	2.0913	2.1314	2.1714	2.2114	2.2514	2.2915	2.3315	2.3715
	H	1264.93	1289.77	1314.61	1339.45	1364.30	1389.14	1413.98	1438.82	1463.65
	S	5.3291	5.3537	5.3779	5.4015	5.4247	5.4475	5.4699	5.4919	5.5135
1360	V	2.0219	2.0613	2.1008	2.1402	2.1797	2.2191	2.2585	2.2980	2.3374
	H	1265.11	1289.96	1314.80	1339.64	1364.48	1389.32	1414.16	1439.00	1463.84
	S	5.3218	5.3464	5.3705	5.3942	5.4174	5.4402	5.4626	5.4846	5.5062
1380	V	1.9933	2.0322	2.0711	2.1099	2.1488	2.1877	2.2265	2.2654	2.3043
	H	1265.30	1290.14	1314.99	1339.83	1364.67	1389.51	1414.35	1439.19	1464.03
	S	5.3145	5.3391	5.3633	5.3869	5.4101	5.4329	5.4553	5.4773	5.4989
1400	V	1.9656	2.0039	2.0422	2.0805	2.1189	2.1572	2.1955	2.2338	2.2721
	H	1265.48	1290.33	1315.17	1340.01	1364.86	1389.70	1414.54	1439.38	1464.22
	S	5.3074	5.3320	5.3561	5.3798	5.4030	5.4258	5.4482	5.4702	5.4918
1450	V	1.8996	1.9366	1.9736	2.0106	2.0476	2.0846	2.1216	2.1586	2.1955
	H	1265.95	1290.79	1315.64	1340.48	1365.32	1390.17	1415.01	1439.85	1464.71
	S	5.2900	5.3146	5.3387	5.3624	5.3856	5.4084	5.4308	5.4528	5.4741

PRESSURE PSIA			TEMPERATURE								
			540	560	580	600	620	640	660	680	700
1500	V		1.8380	1.8738	1.9095	1.9453	1.9811	2.0168	2.0526	2.0884	2.1241
	H		1266.41	1291.26	1316.10	1340.95	1365.79	1390.63	1415.48	1440.32	1465.16
	S		5.2731	5.2977	5.3219	5.3455	5.3688	5.3916	5.4140	5.4359	5.4576
1550	V		1.7804	1.8150	1.8496	1.8842	1.9188	1.9534	1.9881	2.0227	2.0573
	H		1266.87	1291.72	1316.57	1341.41	1366.26	1391.10	1415.94	1440.79	1465.63
	S		5.2569	5.2815	5.3056	5.3293	5.3525	5.3753	5.3977	5.4197	5.4413
1600	V		1.7263	1.7599	1.7934	1.8270	1.8605	1.8940	1.9276	1.9611	1.9946
	H		1267.34	1292.18	1317.03	1341.88	1366.72	1391.57	1416.41	1441.25	1466.10
	S		5.2411	5.2657	5.2898	5.3135	5.3367	5.3595	5.3819	5.4039	5.4255
1650	V		1.6756	1.7081	1.7406	1.7732	1.8057	1.8382	1.8707	1.9032	1.9357
	H		1267.80	1292.65	1317.49	1342.34	1367.19	1392.03	1416.88	1441.72	1466.56
	S		5.2258	5.2504	5.2746	5.2982	5.3215	5.3443	5.3667	5.3886	5.4103
1700	V		1.6278	1.6594	1.6910	1.7225	1.7541	1.7857	1.8172	1.8488	1.8803
	H		1268.26	1293.11	1317.96	1342.80	1367.65	1392.50	1417.34	1442.19	1467.03
	S		5.2110	5.2356	5.2597	5.2834	5.3066	5.3294	5.3518	5.3738	5.3954
1750	V		1.5828	1.6134	1.6441	1.6748	1.7054	1.7361	1.7668	1.7974	1.8281
	H		1268.72	1293.57	1318.42	1343.27	1368.11	1392.96	1417.81	1442.65	1467.50
	S		5.1966	5.2212	5.2454	5.2690	5.2923	5.3151	5.3374	5.3594	5.3811
1800	V		1.5402	1.5701	1.5999	1.6297	1.6595	1.6893	1.7191	1.7489	1.7787
	H		1269.18	1294.03	1318.88	1343.73	1368.58	1393.43	1418.27	1443.12	1467.96
	S		5.1826	5.2072	5.2314	5.2550	5.2783	5.3011	5.3235	5.3455	5.3671
1850	V		1.5000	1.5290	1.5580	1.5870	1.6160	1.6450	1.6741	1.7031	1.7321
	H		1269.64	1294.49	1319.34	1344.19	1369.04	1393.89	1418.74	1443.58	1468.43
	S		5.1690	5.1936	5.2178	5.2414	5.2647	5.2875	5.3099	5.3319	5.3535
1900	V		1.4619	1.4901	1.5184	1.5466	1.5749	1.6031	1.6314	1.6596	1.6878
	H		1270.09	1294.95	1319.80	1344.65	1369.50	1394.35	1419.20	1444.05	1468.90
	S		5.1558	5.1804	5.2045	5.2282	5.2514	5.2742	5.2966	5.3186	5.3402
1950	V		1.4257	1.4532	1.4807	1.5083	1.5358	1.5633	1.5908	1.6184	1.6459
	H		1270.55	1295.41	1320.26	1345.11	1369.96	1394.81	1419.66	1444.51	1469.36
	S		5.1429	5.1675	5.1916	5.2153	5.2385	5.2613	5.2837	5.3057	5.3273
2000	V		1.3913	1.4182	1.4450	1.4718	1.4987	1.5255	1.5524	1.5792	1.6060
	H		1271.01	1295.86	1320.72	1345.57	1370.42	1395.27	1420.13	1444.97	1469.87
	S		5.1303	5.1549	5.1790	5.2027	5.2260	5.2488	5.2712	5.2932	5.3148

PRESSURE PSIA	V	TEMPERATURE								
		540	560	580	600	620	640	660	680	700
2200	V	1.2694	1.2938	1.3183	1.3427	1.3671	1.3915	1.4159	1.4403	1.4647
	H	1272.83	1297.69	1322.55	1347.40	1372.26	1397.11	1421.97	1446.82	1471.67
	S	5.0829	5.1076	5.1317	5.1554	5.1786	5.2014	5.2238	5.2458	5.2674
2400	V	1.1678	1.1902	1.2126	1.2350	1.2574	1.2798	1.3021	1.3245	1.3469
	H	1274.64	1299.51	1324.37	1349.23	1374.09	1398.95	1423.80	1448.66	1473.51
	S	5.0397	5.0643	5.0885	5.1121	5.1354	5.1582	5.1806	5.2026	5.2242
2600	V	1.0819	1.1025	1.1232	1.1439	1.1645	1.1852	1.2059	1.2265	1.2472
	H	1276.45	1301.31	1326.18	1351.04	1375.91	1400.77	1425.63	1450.49	1475.34
	S	4.9999	5.0245	5.0487	5.0724	5.0956	5.1184	5.1408	5.1628	5.1845
2800	V	1.0081	1.0273	1.0465	1.0657	1.0849	1.1041	1.1233	1.1425	1.1617
	H	1278.24	1303.11	1327.98	1352.85	1377.71	1402.58	1427.44	1452.31	1477.17
	S	4.9630	4.9877	5.0118	5.0355	5.0588	5.0816	5.1040	5.1260	5.1476
3000	V	0.9442	0.9622	0.9801	0.9980	1.0159	1.0338	1.0518	1.0697	1.0876
	H	1280.02	1304.90	1329.77	1354.64	1379.51	1404.38	1429.25	1454.12	1478.98
	S	4.9287	4.9534	4.9775	5.0012	5.0245	5.0473	5.0697	5.0917	5.1133
3500	V	0.8163	0.8317	0.8471	0.8625	0.8779	0.8932	0.9086	0.9240	0.9393
	H	1284.44	1309.33	1334.21	1359.09	1383.98	1408.85	1433.73	1458.61	1483.48
	S	4.8520	4.8766	4.9008	4.9245	4.9478	4.9706	4.9930	5.0150	5.0367
4000	V	0.7203	0.7338	0.7473	0.7607	0.7742	0.7877	0.8011	0.8146	0.8281
	H	1288.81	1313.71	1338.60	1363.49	1388.38	1413.27	1438.16	1463.04	1487.93
	S	4.7854	4.8101	4.8343	4.8580	4.8813	4.9041	4.9265	4.9486	4.9702
4500	V	0.6456	0.6576	0.6696	0.6816	0.6935	0.7055	0.7175	0.7295	0.7414
	H	1293.12	1318.03	1342.93	1367.84	1392.74	1417.64	1442.54	1467.43	1492.32
	S	4.7267	4.7514	4.7755	4.7993	4.8225	4.8454	4.8678	4.8899	4.9115
5000	V	0.5857	0.5965	0.6073	0.6181	0.6289	0.6397	0.6505	0.6613	0.6721
	H	1297.38	1322.30	1347.22	1372.13	1397.05	1421.95	1446.86	1471.77	1496.67
	S	4.6741	4.6987	4.7229	4.7467	4.7700	4.7928	4.8153	4.8373	4.8590
5500	V	0.5368	0.5466	0.5564	0.5662	0.5760	0.5858	0.5957	0.6055	0.6153
	H	1301.65	1326.57	1351.45	1376.38	1401.30	1426.22	1451.14	1476.06	1500.97
	S	4.6265	4.6511	4.6753	4.6991	4.7224	4.7452	4.7677	4.7897	4.8114
6000	V	0.4959	0.5049	0.5139	0.5229	0.5319	0.5409	0.5500	0.5589	0.5679
	H	1305.83	1330.77	1355.71	1380.64	1405.57	1430.50	1455.43	1480.30	1505.11
	S	4.5829	4.6076	4.6318	4.6556	4.6789	4.7018	4.7242	4.7463	4.7683

PRESSURE
PSIA

TEMPERATURE

		720	740	760	780	800	820	840	860	880
14.696	V	215.0691	218.7144	222.3597	226.0050	229.6503	233.2956	236.9409	240.5862	244.2314
	H	1475.76	1500.59	1525.41	1550.23	1575.05	1599.88	1624.70	1649.52	1674.34
	S	7.7717	7.7926	7.8131	7.8333	7.8532	7.8727	7.8920	7.9109	7.9296
16	V	197.5454	200.8936	204.2418	207.5900	210.9382	214.2864	217.6346	220.9828	224.3310
	H	1475.78	1500.60	1525.42	1550.24	1575.07	1599.89	1624.71	1649.53	1674.35
	S	7.7296	7.7505	7.7710	7.7912	7.8110	7.8306	7.8498	7.8688	7.8875
20	V	158.0472	160.7258	163.4043	166.0829	168.7615	171.4401	174.1186	176.7972	179.4758
	H	1475.82	1500.64	1525.46	1550.28	1575.10	1599.93	1624.75	1649.57	1674.39
	S	7.6190	7.6399	7.6604	7.6806	7.7005	7.7200	7.7392	7.7582	7.7769
24	V	131.7151	133.9472	136.1794	138.4115	140.6437	142.8758	145.1080	147.3401	149.5722
	H	1475.85	1500.68	1525.50	1550.32	1575.14	1599.97	1624.79	1649.61	1674.43
	S	7.5287	7.5495	7.5700	7.5902	7.6101	7.6296	7.6489	7.6678	7.6865
28	V	112.9064	114.8197	116.7330	118.6462	120.5595	122.4728	124.3861	126.2993	128.2126
	H	1475.89	1500.72	1525.54	1550.36	1575.18	1600.01	1624.83	1649.65	1674.47
	S	7.4523	7.4731	7.4936	7.5138	7.5337	7.5532	7.5725	7.5914	7.6101
32	V	98.7999	100.4740	102.1482	103.8223	105.4964	107.1705	108.8446	110.5187	112.1929
	H	1475.93	1500.76	1525.58	1550.40	1575.22	1600.05	1624.87	1649.69	1674.51
	S	7.3861	7.4069	7.4275	7.4477	7.4675	7.4871	7.5063	7.5253	7.5439
36	V	87.8282	89.3163	90.8044	92.2925	93.7806	95.2687	96.7568	98.2450	99.7331
	H	1475.97	1500.79	1525.62	1550.44	1575.26	1600.08	1624.91	1649.73	1674.55
	S	7.3277	7.3486	7.3691	7.3893	7.4091	7.4287	7.4479	7.4669	7.4856
40	V	79.0508	80.3901	81.7294	83.0687	84.4080	85.7473	87.0866	88.4259	89.7652
	H	1476.01	1500.83	1525.66	1550.48	1575.30	1600.12	1624.95	1649.77	1674.59
	S	7.2755	7.2964	7.3169	7.3371	7.3569	7.3765	7.3957	7.4147	7.4333
44	V	71.8694	73.0869	74.3044	75.5220	76.7395	77.9571	79.1746	80.3922	81.6097
	H	1476.05	1500.87	1525.70	1550.52	1575.34	1600.16	1624.99	1649.81	1674.63
	S	7.2283	7.2491	7.2696	7.2898	7.3097	7.3292	7.3485	7.3674	7.3861
48	V	65.8848	67.0009	68.1170	69.2330	70.3491	71.4652	72.5813	73.6974	74.8135
	H	1476.09	1500.91	1525.73	1550.56	1575.38	1600.20	1625.02	1649.85	1674.67
	S	7.1851	7.2060	7.2265	7.2467	7.2666	7.2861	7.3054	7.3243	7.3430
52	V	60.8209	61.8511	62.8814	63.9116	64.9419	65.9721	67.0023	68.0325	69.0628
	H	1476.13	1500.95	1525.77	1550.60	1575.42	1600.24	1625.06	1649.89	1674.71
	S	7.1455	7.1663	7.1868	7.2070	7.2269	7.2464	7.2657	7.2846	7.3035

PRESSURE
PSIA

PRESSURE PSIA			TEMPERATURE								
			720	740	760	780	800	820	840	860	880
56	V		56.4804	57.4371	58.3937	59.3504	60.3070	61.2637	62.2203	63.1770	64.1336
	H		1476.17	1500.99	1525.81	1550.64	1575.46	1600.28	1625.10	1649.93	1674.75
	S		7.1087	7.1296	7.1501	7.1703	7.1902	7.2097	7.2290	7.2479	7.2666
60	V		52.7187	53.6116	54.5045	55.3973	56.2902	57.1831	58.0760	58.9688	59.8617
	H		1476.21	1501.03	1525.85	1550.68	1575.50	1600.32	1625.14	1649.97	1674.79
	S		7.0745	7.0954	7.1159	7.1361	7.1560	7.1755	7.1948	7.2137	7.2324
70	V		45.1953	45.9606	46.7259	47.4912	48.2566	49.0219	49.7872	50.5525	51.3178
	H		1476.30	1501.13	1525.95	1550.77	1575.60	1600.42	1625.24	1650.06	1674.89
	S		6.9981	7.0190	7.0395	7.0597	7.0796	7.0991	7.1184	7.1373	7.1560
80	V		39.5527	40.2223	40.8920	41.5616	42.2313	42.9010	43.5706	44.2403	44.9099
	H		1476.40	1501.23	1526.05	1550.87	1575.69	1600.52	1625.34	1650.16	1674.99
	S		6.9320	6.9528	6.9733	6.9935	7.0134	7.0329	7.0522	7.0711	7.0898
90	V		35.1540	35.7592	36.3545	36.9497	37.5450	38.1403	38.7355	39.3308	39.9260
	H		1476.50	1501.32	1526.15	1550.97	1575.79	1600.62	1625.44	1650.26	1675.08
	S		6.8736	6.8944	6.9150	6.9352	6.9550	6.9746	6.9938	7.0128	7.0314
100	V		31.6530	32.1888	32.7245	33.2602	33.7960	34.3317	34.8674	35.4032	35.9389
	H		1476.60	1501.42	1526.24	1551.07	1575.89	1600.71	1625.54	1650.36	1675.18
	S		6.8214	6.8422	6.8627	6.8829	6.9028	6.9223	6.9416	6.9605	6.9792
110	V		28.7804	29.2675	29.7545	30.2415	30.7286	31.2156	31.7026	32.1897	32.6767
	H		1476.70	1501.52	1526.34	1551.17	1575.99	1600.81	1625.64	1650.46	1675.28
	S		6.7741	6.7950	6.8155	6.8357	6.8556	6.8751	6.8944	6.9133	6.9320
120	V		26.3866	26.8331	27.2795	27.7260	28.1724	28.6188	29.0653	29.5117	29.9582
	H		1476.79	1501.62	1526.44	1551.26	1576.09	1600.91	1625.73	1650.56	1675.38
	S		6.7310	6.7519	6.7724	6.7926	6.8124	6.8320	6.8512	6.8702	6.8889
130	V		24.3611	24.7732	25.1853	25.5974	26.0095	26.4216	26.8337	27.2458	27.6579
	H		1476.89	1501.72	1526.54	1551.36	1576.19	1601.01	1625.83	1650.66	1675.48
	S		6.6913	6.7122	6.7327	6.7529	6.7728	6.7923	6.8116	6.8305	6.8492
140	V		22.6249	23.0076	23.3902	23.7729	24.1556	24.5382	24.9209	25.3036	25.6863
	H		1476.99	1501.81	1526.64	1551.46	1576.28	1601.11	1625.93	1650.75	1675.58
	S		6.6546	6.6755	6.6960	6.7162	6.7360	6.7556	6.7748	6.7938	6.8125
150	V		21.1202	21.4773	21.8345	22.1917	22.5488	22.9060	23.2632	23.6203	23.9111
	H		1477.09	1501.91	1526.74	1551.56	1576.38	1601.21	1626.03	1650.85	1671.11
	S		6.6204	6.6413	6.6618	6.6820	6.7018	6.7214	6.7406	6.7596	6.7711

PRESSURE PSIA		TEMPERATURE									
		720	740	760	780	800	820	840	860	880	
160	V	19.8036	20.1384	20.4733	20.8081	21.1430	21.4778	21.8126	22.1475	22.4823	
	H	1477.19	1502.01	1526.83	1551.66	1576.48	1601.30	1626.13	1650.95	1675.77	
	S	6.5884	6.6093	6.6298	6.6500	6.6699	6.6894	6.7086	6.7276	6.7463	
170	V	18.6419	18.9570	19.2722	19.5873	19.9025	20.2176	20.5328	20.8479	21.1630	
	H	1477.28	1502.11	1526.93	1551.75	1576.58	1601.40	1626.23	1651.05	1675.87	
	S	6.5584	6.5792	6.5998	6.6199	6.6398	6.6594	6.6786	6.6976	6.7162	
180	V	17.6092	17.9069	18.2045	18.5022	18.7998	19.0974	19.3951	19.6927	19.9904	
	H	1477.38	1502.21	1527.03	1551.85	1576.68	1601.50	1626.32	1651.15	1675.97	
	S	6.5300	6.5509	6.5714	6.5916	6.6115	6.6310	6.6503	6.6692	6.6879	
190	V	16.6853	16.9673	17.2493	17.5312	17.8132	18.0952	18.3772	18.6591	18.9411	
	H	1477.48	1502.30	1527.13	1551.95	1576.78	1601.60	1626.42	1651.25	1676.07	
	S	6.5032	6.5241	6.5446	6.5648	6.5847	6.6042	6.6235	6.6424	6.6611	
200	V	15.8538	16.1216	16.3895	16.6574	16.9253	17.1932	17.4610	17.7289	17.9968	
	H	1477.58	1502.40	1527.23	1552.05	1576.87	1601.70	1626.52	1651.34	1676.17	
	S	6.4778	6.4987	6.5192	6.5394	6.5593	6.5788	6.5981	6.6170	6.6357	
220	V	14.4175	14.6610	14.9045	15.1481	15.3916	15.6351	15.8786	16.1222	16.3657	
	H	1477.77	1502.60	1527.42	1552.25	1577.07	1601.89	1626.72	1651.54	1676.37	
	S	6.4306	6.4514	6.4720	6.4921	6.5120	6.5316	6.5508	6.5698	6.5884	
240	V	13.2206	13.4438	13.6670	13.8903	14.1135	14.3367	14.5600	14.7832	15.0064	
	H	1477.97	1502.79	1527.62	1552.44	1577.27	1602.09	1626.92	1651.74	1676.56	
	S	6.3874	6.4083	6.4288	6.4490	6.4689	6.4884	6.5077	6.5266	6.5453	
260	V	12.2078	12.4139	12.6199	12.8260	13.0321	13.2381	13.4442	13.6502	13.8563	
	H	1478.17	1502.99	1527.81	1552.64	1577.46	1602.29	1627.11	1651.94	1676.76	
	S	6.3478	6.3686	6.3892	6.4093	6.4292	6.4488	6.4680	6.4870	6.5056	
280	V	11.3397	11.5310	11.7224	11.9137	12.1051	12.2964	12.4878	12.6791	12.8705	
	H	1478.36	1503.19	1528.01	1552.84	1577.66	1602.48	1627.31	1652.13	1676.96	
	S	6.3110	6.3319	6.3524	6.3726	6.3925	6.4120	6.4313	6.4502	6.4689	
300	V	10.5874	10.7659	10.9445	11.1231	11.3017	11.4803	11.6589	11.8375	12.0161	
	H	1478.56	1503.38	1528.21	1553.03	1577.86	1602.68	1627.51	1652.33	1677.16	
	S	6.2768	6.2977	6.3182	6.3384	6.3583	6.3778	6.3971	6.4160	6.4347	
320	V	9.9291	10.0965	10.2639	10.4314	10.5988	10.7662	10.9336	11.1011	11.2685	
	H	1478.75	1503.58	1528.40	1553.23	1578.05	1602.88	1627.70	1652.53	1677.35	
	S	6.2449	6.2657	6.2862	6.3064	6.3263	6.3458	6.3651	6.3841	6.4021	

PRESSURE PSIA	°	TEMPERATURE								
		720	740	760	780	800	820	840	860	880
340	V	9.3482	9.5058	9.6634	9.8210	9.9785	10.1361	10.2937	10.4513	10.6089
	H	1478.95	1503.77	1528.60	1553.43	1578.25	1603.08	1627.90	1652.73	1677.55
	S	6.2148	6.2357	6.2562	6.2764	6.2962	6.3158	6.3350	6.3540	6.3727
360	V	8.8319	8.9807	9.1296	9.2784	9.4272	9.5760	9.7249	9.8737	10.0225
	H	1479.15	1503.97	1528.80	1553.62	1578.45	1603.27	1628.10	1652.92	1677.75
	S	6.1865	6.2073	6.2279	6.2481	6.2679	6.2875	6.3067	6.3257	6.3443
380	V	8.3699	8.5109	8.6519	8.7929	8.9339	9.0749	9.2159	9.3569	9.4979
	H	1479.34	1504.17	1528.99	1553.82	1578.64	1603.47	1628.29	1653.12	1677.94
	S	6.1597	6.1805	6.2011	6.2213	6.2411	6.2607	6.2799	6.2989	6.3175
400	V	7.9542	8.0881	8.2221	8.3550	8.4900	8.6239	8.7579	8.8918	9.0258
	H	1479.54	1504.36	1529.19	1554.02	1578.84	1603.67	1628.49	1653.32	1678.14
	S	6.1343	6.1551	6.1756	6.1958	6.2157	6.2352	6.2545	6.2735	6.2921
420	V	7.5780	7.7056	7.8331	7.9607	8.0883	8.2158	8.3434	8.4710	8.5986
	H	1479.73	1504.56	1529.39	1554.21	1579.04	1603.86	1628.69	1653.51	1678.34
	S	6.1101	6.1309	6.1515	6.1716	6.1915	6.2111	6.2303	6.2493	6.2679
440	V	7.2360	7.3578	7.4796	7.6013	7.7231	7.8449	7.9667	8.0884	8.2102
	H	1479.93	1504.76	1529.58	1554.41	1579.23	1604.06	1628.89	1653.71	1678.54
	S	6.0870	6.1079	6.1284	6.1486	6.1685	6.1880	6.2073	6.2262	6.2449
460	V	6.9238	7.0403	7.1567	7.2732	7.3897	7.5062	7.6227	7.7391	7.8556
	H	1480.13	1504.95	1529.78	1554.61	1579.43	1604.26	1629.08	1653.91	1678.73
	S	6.0650	6.0858	6.1064	6.1266	6.1464	6.1660	6.1852	6.2042	6.2228
480	V	6.6376	6.7492	6.8608	6.9724	7.0841	7.1957	7.3073	7.4190	7.5306
	H	1480.32	1505.15	1529.98	1554.80	1579.63	1604.45	1629.28	1654.11	1678.93
	S	6.0439	6.0647	6.0853	6.1055	6.1253	6.1449	6.1641	6.1831	6.2018
500	V	6.3742	6.4814	6.5886	6.6957	6.8029	6.9101	7.0172	7.1244	7.2316
	H	1480.52	1505.35	1530.17	1555.00	1579.83	1604.65	1629.48	1654.30	1679.13
	S	6.0236	6.0445	6.0650	6.0852	6.1051	6.1246	6.1439	6.1628	6.1815
520	V	6.1312	6.2342	6.3373	6.4403	6.5434	6.6464	6.7494	6.8525	6.9555
	H	1480.72	1505.54	1530.37	1555.20	1580.02	1604.85	1629.68	1654.50	1679.33
	S	6.0042	6.0251	6.0456	6.0658	6.0856	6.1052	6.1245	6.1434	6.1621
540	V	5.9061	6.0053	6.1046	6.2038	6.3030	6.4023	6.5015	6.6007	6.6999
	H	1480.91	1505.74	1530.57	1555.39	1580.22	1605.05	1629.87	1654.70	1679.51
	S	5.9855	6.0064	6.0269	6.0471	6.0669	6.0865	6.1057	6.1247	6.1434

PRESSURE PSIA		TEMPERATURE								
		720	740	760	780	800	820	840	860	880
560	V	5.6971	5.7928	5.8885	5.9842	6.0799	6.1756	6.2712	6.3669	6.4626
	H	1481.11	1505.94	1530.76	1555.59	1580.42	1605.24	1630.07	1654.90	1679.72
	S	5.9675	5.9883	6.0089	6.0291	6.0489	6.0685	6.0877	6.1067	6.1253
580	V	5.5026	5.5950	5.6873	5.7797	5.8721	5.9645	6.0569	6.1493	6.2416
	H	1481.31	1506.13	1530.96	1555.79	1580.61	1605.44	1630.27	1655.09	1679.92
	S	5.9501	5.9709	5.9915	6.0117	6.0315	6.0511	6.0703	6.0893	6.1080
600	V	5.3204	5.4097	5.4996	5.5889	5.6782	5.7675	5.8568	5.9461	6.0354
	H	1481.44	1506.27	1531.16	1555.98	1580.81	1605.64	1630.47	1655.29	1680.12
	S	5.9332	5.9541	5.9747	5.9949	6.0147	6.0343	6.0535	6.0725	6.0911
620	V	5.1505	5.2369	5.3234	5.4098	5.4968	5.5832	5.6696	5.7561	5.8425
	H	1481.63	1506.46	1531.29	1556.12	1581.01	1605.84	1630.66	1655.49	1680.32
	S	5.9170	5.9378	5.9584	5.9785	5.9985	6.0180	6.0373	6.0562	6.0749
640	V	4.9912	5.0750	5.1587	5.2424	5.3262	5.4099	5.4942	5.5779	5.6616
	H	1481.82	1506.65	1531.48	1556.31	1581.14	1605.97	1630.86	1655.69	1680.51
	S	5.9012	5.9221	5.9426	5.9628	5.9827	6.0022	6.0215	6.0405	6.0592
660	V	4.8416	4.9228	5.0040	5.0852	5.1664	5.2476	5.3288	5.4100	5.4917
	H	1482.02	1506.85	1531.68	1556.50	1581.33	1606.16	1630.99	1655.82	1680.71
	S	5.8860	5.9068	5.9274	5.9476	5.9674	5.9870	6.0062	6.0252	6.0439
680	V	4.7008	4.7796	4.8584	4.9372	5.0160	5.0948	5.1736	5.2525	5.3313
	H	1482.21	1507.04	1531.87	1556.70	1581.53	1606.35	1631.18	1656.01	1680.84
	S	5.8712	5.8920	5.9126	5.9328	5.9526	5.9722	5.9914	6.0104	6.0291
700	V	4.5680	4.6446	4.7211	4.7977	4.8742	4.9508	5.0274	5.1039	5.1805
	H	1482.40	1507.23	1532.06	1556.89	1581.72	1606.55	1631.38	1656.20	1681.03
	S	5.8568	5.8777	5.8982	5.9184	5.9382	5.9578	5.9771	5.9960	6.0147
720	V	4.4426	4.5170	4.5915	4.6659	4.7403	4.8148	4.8892	4.9636	5.0381
	H	1482.59	1507.42	1532.25	1557.08	1581.91	1606.74	1631.57	1656.40	1681.23
	S	5.8428	5.8637	5.8842	5.9044	5.9243	5.9438	5.9631	5.9820	6.0007
740	V	4.3240	4.3964	4.4688	4.5412	4.6137	4.6861	4.7585	4.8309	4.9033
	H	1482.78	1507.62	1532.44	1557.27	1582.10	1606.93	1631.76	1656.59	1681.42
	S	5.8292	5.8501	5.8706	5.8908	5.9107	5.9303	5.9495	5.9685	5.9871
760	V	4.2116	4.2821	4.3526	4.4231	4.4936	4.5642	4.6347	4.7052	4.7757
	H	1482.98	1507.81	1532.64	1557.47	1582.30	1607.13	1631.96	1656.78	1681.61
	S	5.8160	5.8369	5.8574	5.8776	5.8975	5.9170	5.9363	5.9552	5.9734

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PRESSURE
PSIA

720 740 760 780 800 820 840 860 880

	V	4.1049	4.1737	4.2424	4.3111	4.3798	4.4485	4.5172	4.5859	4.6546
780	H	1483.17	1508.00	1532.83	1557.66	1582.49	1607.32	1632.15	1656.98	1681.81
	S	5.8031	5.8240	5.8445	5.8647	5.8846	5.9042	5.9234	5.9424	5.9610
	V	4.0036	4.0706	4.1376	4.2046	4.2716	4.3386	4.4056	4.4726	4.5396
800	H	1483.36	1508.19	1533.02	1557.85	1582.68	1607.51	1632.34	1657.17	1682.00
	S	5.7906	5.8115	5.8320	5.8522	5.8720	5.8916	5.9108	5.9298	5.9485
	V	3.9073	3.9727	4.0380	4.1034	4.1688	4.2341	4.2995	4.3648	4.4302
820	H	1483.55	1508.38	1533.21	1558.04	1582.87	1607.70	1632.53	1657.36	1682.19
	S	5.7783	5.7992	5.8197	5.8399	5.8598	5.8794	5.8986	5.9176	5.9362
	V	3.8155	3.8793	3.9432	4.0070	4.0708	4.1346	4.1984	4.2622	4.3260
840	H	1483.74	1508.57	1533.40	1558.24	1583.07	1607.90	1632.73	1657.56	1682.39
	S	5.7664	5.7873	5.8078	5.8280	5.8478	5.8674	5.8867	5.9056	5.9243
	V	3.7280	3.7904	3.8527	3.9150	3.9773	4.0397	4.1020	4.1643	4.2266
860	H	1483.93	1508.77	1533.60	1558.43	1583.26	1608.09	1632.92	1657.75	1682.58
	S	5.7547	5.7756	5.7961	5.8163	5.8362	5.8557	5.8750	5.8939	5.9126
	V	3.6445	3.7054	3.7663	3.8272	3.8882	3.9491	4.0100	4.0709	4.1318
880	H	1484.12	1508.96	1533.79	1558.62	1583.45	1608.28	1633.11	1657.94	1682.77
	S	5.7433	5.7642	5.7847	5.8049	5.8248	5.8443	5.8636	5.8826	5.9012
	V	3.5647	3.6243	3.6838	3.7434	3.8029	3.8625	3.9220	3.9816	4.0411
900	H	1484.32	1509.15	1533.98	1558.81	1583.64	1608.47	1633.30	1658.13	1682.97
	S	5.7322	5.7530	5.7736	5.7938	5.8136	5.8332	5.8524	5.8714	5.8901
	V	3.4884	3.5466	3.6049	3.6632	3.7214	3.7797	3.8379	3.8962	3.9545
920	H	1484.51	1509.34	1534.17	1559.00	1583.83	1608.67	1633.50	1658.33	1683.16
	S	5.7213	5.7421	5.7627	5.7829	5.8027	5.8223	5.8416	5.8605	5.8792
	V	3.4153	3.4723	3.5293	3.5863	3.6434	3.7004	3.7574	3.8144	3.8715
940	H	1484.70	1509.53	1534.36	1559.19	1584.03	1608.86	1633.69	1658.52	1683.35
	S	5.7106	5.7315	5.7520	5.7722	5.7921	5.8116	5.8309	5.8498	5.8685
	V	3.3452	3.4011	3.4569	3.5127	3.5686	3.6244	3.6802	3.7361	3.7919
960	H	1484.89	1509.72	1534.55	1559.39	1584.22	1609.05	1633.88	1658.71	1683.54
	S	5.7002	5.7210	5.7416	5.7618	5.7816	5.8012	5.8204	5.8394	5.8581
	V	3.2780	3.3327	3.3874	3.4421	3.4968	3.5515	3.6062	3.6609	3.7125
980	H	1485.08	1509.91	1534.74	1559.58	1584.41	1609.24	1634.07	1658.90	1683.74
	S	5.6899	5.7108	5.7313	5.7515	5.7714	5.7910	5.8102	5.8292	5.8474

PRESSURE PSIA		TEMPERATURE								
		720	740	760	780	800	820	840	860	880
1000	V	3.2135	3.2671	3.3207	3.3744	3.4280	3.4816	3.5352	3.5888	3.6424
	H	1485.27	1510.10	1534.94	1559.77	1584.60	1609.43	1634.26	1659.10	1683.93
	S	5.6799	5.7008	5.7213	5.7415	5.7614	5.7809	5.8002	5.8192	5.8378
1020	V	3.1516	3.2041	3.2567	3.3092	3.3618	3.4143	3.4669	3.5194	3.5720
	H	1485.46	1510.29	1535.13	1559.96	1584.79	1609.62	1634.46	1659.29	1684.12
	S	5.6701	5.6910	5.7115	5.7317	5.7516	5.7711	5.7904	5.8093	5.8280
1040	V	3.0920	3.1435	3.1951	3.2466	3.2982	3.3497	3.4012	3.4528	3.5043
	H	1485.65	1510.48	1535.32	1560.15	1584.98	1609.82	1634.65	1659.48	1684.31
	S	5.6605	5.6813	5.7019	5.7221	5.7419	5.7615	5.7808	5.7997	5.8184
1060	V	3.0346	3.0852	3.1358	3.1863	3.2369	3.2875	3.3381	3.3886	3.4392
	H	1485.84	1510.67	1535.51	1560.34	1585.17	1610.01	1634.84	1659.67	1684.50
	S	5.6510	5.6719	5.6924	5.7126	5.7325	5.7521	5.7713	5.7903	5.8089
1080	V	2.9794	3.0290	3.0787	3.1283	3.1780	3.2276	3.2772	3.3269	3.3765
	H	1486.03	1510.86	1535.70	1560.53	1585.37	1610.20	1635.03	1659.86	1684.70
	S	5.6418	5.6626	5.6832	5.7034	5.7232	5.7428	5.7620	5.7810	5.7997
1100	V	2.9262	2.9749	3.0237	3.0724	3.1211	3.1699	3.2186	3.2673	3.3161
	H	1486.22	1511.05	1535.89	1560.72	1585.56	1610.39	1635.22	1660.06	1684.89
	S	5.6327	5.6535	5.6741	5.6943	5.7141	5.7337	5.7529	5.7719	5.7906
1120	V	2.8749	2.9228	2.9706	3.0185	3.0664	3.1142	3.1621	3.2099	3.2578
	H	1486.41	1511.24	1536.08	1560.91	1585.75	1610.58	1635.41	1660.25	1685.08
	S	5.6237	5.6446	5.6651	5.6853	5.7052	5.7247	5.7440	5.7630	5.7816
1140	V	2.8254	2.8724	2.9194	2.9665	3.0135	3.0605	3.1075	3.1546	3.2016
	H	1486.60	1511.43	1536.27	1561.10	1585.94	1610.77	1635.61	1660.44	1685.27
	S	5.6149	5.6358	5.6563	5.6765	5.6964	5.7160	5.7352	5.7542	5.7729
1160	V	2.7776	2.8238	2.8700	2.9162	2.9624	3.0087	3.0549	3.1011	3.1473
	H	1486.79	1511.62	1536.46	1561.29	1586.13	1610.96	1635.80	1660.63	1685.46
	S	5.6063	5.6272	5.6477	5.6679	5.6878	5.7073	5.7266	5.7456	5.7642
1180	V	2.7314	2.7768	2.8223	2.8677	2.9131	2.9586	3.0040	3.0494	3.0949
	H	1486.98	1511.81	1536.65	1561.48	1586.32	1611.15	1635.99	1660.82	1685.65
	S	5.5978	5.6187	5.6392	5.6594	5.6793	5.6989	5.7181	5.7371	5.7558
1200	V	2.6867	2.7314	2.7761	2.8208	2.8655	2.9101	2.9548	2.9995	3.0442
	H	1487.17	1512.00	1536.84	1561.68	1586.51	1611.34	1636.18	1661.01	1685.87
	S	5.5895	5.6104	5.6309	5.6511	5.6710	5.6905	5.7098	5.7287	5.7474

PRESSURE PSIA		TEMPERATURE								
		720	740	760	780	800	820	840	860	880
1220	V	2.6436	2.6875	2.7315	2.7754	2.8193	2.8633	2.9072	2.9512	2.9951
	H	1487.36	1512.19	1537.03	1561.87	1586.70	1611.53	1636.37	1661.20	1686.04
	S	5.5813	5.6022	5.6227	5.6429	5.6628	5.6823	5.7016	5.7205	5.7392
1240	V	2.6018	2.6450	2.6882	2.7315	2.7747	2.8180	2.8612	2.9044	2.9477
	H	1487.55	1512.38	1537.22	1562.06	1586.89	1611.73	1636.56	1661.39	1686.23
	S	5.5732	5.5941	5.6146	5.6348	5.6547	5.6743	5.6935	5.7125	5.7312
1260	V	2.5613	2.6039	2.6464	2.6890	2.7315	2.7741	2.8166	2.8592	2.9017
	H	1487.74	1512.57	1537.41	1562.25	1587.08	1611.92	1636.75	1661.59	1686.42
	S	5.5653	5.5862	5.6067	5.6269	5.6468	5.6663	5.6856	5.7045	5.7232
1280	V	2.5221	2.5640	2.6059	2.6478	2.6897	2.7315	2.7734	2.8153	2.8572
	H	1487.93	1512.76	1537.60	1562.44	1587.27	1612.11	1636.94	1661.78	1686.61
	S	5.5575	5.5784	5.5989	5.6191	5.6390	5.6585	5.6778	5.6967	5.7154
1300	V	2.4841	2.5254	2.5666	2.6078	2.6491	2.6903	2.7316	2.7728	2.8141
	H	1488.11	1512.95	1537.79	1562.63	1587.46	1612.30	1637.13	1661.97	1686.80
	S	5.5498	5.5707	5.5912	5.6114	5.6313	5.6508	5.6701	5.6890	5.7077
1320	V	2.4473	2.4879	2.5285	2.5691	2.6098	2.6504	2.6910	2.7316	2.7722
	H	1488.30	1513.14	1537.98	1562.81	1587.65	1612.49	1637.32	1662.16	1686.99
	S	5.5422	5.5631	5.5836	5.6038	5.6237	5.6433	5.6625	5.6815	5.7002
1340	V	2.4115	2.4515	2.4916	2.5316	2.5716	2.6116	2.6516	2.6916	2.7316
	H	1488.49	1513.33	1538.17	1563.00	1587.84	1612.68	1637.51	1662.35	1687.18
	S	5.5348	5.5556	5.5762	5.5964	5.6162	5.6358	5.6551	5.6740	5.6927
1360	V	2.3768	2.4163	2.4557	2.4951	2.5345	2.5740	2.6134	2.6528	2.6922
	H	1488.68	1513.52	1538.36	1563.19	1588.03	1612.87	1637.70	1662.54	1687.37
	S	5.5274	5.5483	5.5688	5.5890	5.6089	5.6284	5.6477	5.6667	5.6853
1380	V	2.3431	2.3820	2.4209	2.4597	2.4986	2.5374	2.5763	2.6151	2.6540
	H	1488.87	1513.71	1538.55	1563.38	1588.22	1613.06	1637.89	1662.73	1687.56
	S	5.5202	5.5410	5.5616	5.5818	5.6016	5.6212	5.6405	5.6594	5.6781
1400	V	2.3104	2.3487	2.3870	2.4253	2.4636	2.5019	2.5402	2.5785	2.6168
	H	1489.06	1513.90	1538.73	1563.57	1588.41	1613.25	1638.08	1662.92	1687.75
	S	5.5130	5.5339	5.5544	5.5746	5.5945	5.6141	5.6333	5.6523	5.6710
1450	V	2.2325	2.2695	2.3065	2.3435	2.3805	2.4175	2.4544	2.4914	2.5284
	H	1489.53	1514.37	1539.21	1564.05	1588.88	1613.72	1638.56	1663.39	1688.23
	S	5.4956	5.5165	5.5370	5.5572	5.5771	5.5967	5.6159	5.6349	5.6536

PRESSURE PSIA			TEMPERATURE								
			720	740	760	780	800	820	840	860	880
1500	V		2.1599	2.1956	2.2314	2.2671	2.3029	2.3386	2.3744	2.4101	2.4459
	H		1490.00	1514.84	1539.68	1564.52	1589.36	1614.19	1639.03	1663.87	1688.71
	S		5.4788	5.4997	5.5202	5.5404	5.5603	5.5798	5.5991	5.6181	5.6367
1550	V		2.0919	2.1265	2.1611	2.1957	2.2303	2.2649	2.2995	2.3341	2.3687
	H		1490.47	1515.31	1540.15	1564.99	1589.83	1614.67	1639.51	1664.34	1689.18
	S		5.4625	5.4834	5.5039	5.5241	5.5440	5.5636	5.5828	5.6018	5.6205
1600	V		2.0281	2.0617	2.0952	2.1287	2.1622	2.1957	2.2293	2.2628	2.2963
	H		1490.94	1515.78	1540.62	1565.46	1590.30	1615.14	1639.98	1664.82	1689.65
	S		5.4468	5.4676	5.4882	5.5084	5.5283	5.5478	5.5671	5.5860	5.6047
1650	V		1.9682	2.0008	2.0333	2.0658	2.0983	2.1308	2.1633	2.1958	2.2283
	H		1491.41	1516.25	1541.09	1565.93	1590.77	1615.61	1640.45	1665.29	1690.13
	S		5.4315	5.4524	5.4729	5.4931	5.5130	5.5326	5.5518	5.5708	5.5895
1700	V		1.9119	1.9434	1.9750	2.0065	2.0381	2.0697	2.1012	2.1328	2.1643
	H		1491.88	1516.72	1541.56	1566.40	1591.24	1616.08	1640.92	1665.76	1690.60
	S		5.4167	5.4376	5.4581	5.4783	5.4982	5.5177	5.5370	5.5560	5.5746
1750	V		1.8587	1.8894	1.9201	1.9507	1.9814	2.0120	2.0427	2.0733	2.1040
	H		1492.34	1517.19	1542.03	1566.87	1591.71	1616.55	1641.39	1666.23	1691.07
	S		5.4023	5.4232	5.4437	5.4639	5.4838	5.5034	5.5226	5.5416	5.5603
1800	V		1.8085	1.8384	1.8682	1.8980	1.9278	1.9576	1.9874	2.0172	2.0470
	H		1492.81	1517.65	1542.50	1567.34	1592.18	1617.02	1641.87	1666.71	1691.55
	S		5.3883	5.4092	5.4297	5.4499	5.4698	5.4894	5.5086	5.5276	5.5463
1850	V		1.7611	1.7901	1.8191	1.8481	1.8771	1.9061	1.9351	1.9641	1.9930
	H		1493.28	1518.12	1542.96	1567.81	1592.65	1617.49	1642.34	1667.18	1692.02
	S		5.3747	5.3956	5.4161	5.4363	5.4562	5.4758	5.4950	5.5140	5.5327
1900	V		1.7161	1.7443	1.7726	1.8008	1.8290	1.8573	1.8855	1.9137	1.9420
	H		1493.74	1518.59	1543.43	1568.28	1593.12	1617.96	1642.81	1667.65	1692.49
	S		5.3615	5.3824	5.4029	5.4231	5.4430	5.4625	5.4818	5.5008	5.5195
1950	V		1.6734	1.7009	1.7284	1.7560	1.7835	1.8110	1.8385	1.8660	1.8935
	H		1494.21	1519.05	1543.90	1568.74	1593.59	1618.43	1643.27	1668.12	1692.96
	S		5.3486	5.3695	5.3900	5.4102	5.4301	5.4497	5.4689	5.4879	5.5066
2000	V		1.6329	1.6597	1.6865	1.7133	1.7402	1.7670	1.7938	1.8206	1.8475
	H		1494.67	1519.52	1544.36	1569.21	1594.06	1618.90	1643.74	1668.59	1693.42
	S		5.3360	5.3569	5.3774	5.3976	5.4175	5.4371	5.4564	5.4753	5.4940

TOP

PRESSURE PSIA		TEMPERATURE								
		720	740	760	780	800	820	840	860	880
2200	V	1.4891	1.5135	1.5379	1.5623	1.5867	1.6111	1.6355	1.6598	1.6842
	H	1496.52	1521.37	1546.22	1571.07	1595.92	1620.77	1645.61	1670.46	1695.30
	S	5.2887	5.3096	5.3301	5.3503	5.3702	5.3898	5.4090	5.4280	5.4467
2400	V	1.3692	1.3916	1.4140	1.4364	1.4587	1.4811	1.5034	1.5258	1.5482
	H	1498.37	1523.22	1548.07	1572.92	1597.77	1622.62	1647.47	1672.32	1697.17
	S	5.2455	5.2664	5.2869	5.3071	5.3270	5.3466	5.3658	5.3848	5.4035
2600	V	1.2678	1.2885	1.3091	1.3298	1.3504	1.3711	1.3917	1.4124	1.4330
	H	1500.20	1525.06	1549.91	1574.77	1599.62	1624.47	1649.33	1674.18	1699.03
	S	5.2057	5.2266	5.2471	5.2674	5.2872	5.3068	5.3261	5.3451	5.3638
2800	V	1.1809	1.2001	1.2192	1.2384	1.2576	1.2768	1.2960	1.3151	1.3343
	H	1502.03	1526.89	1551.75	1576.60	1601.46	1626.32	1651.17	1676.02	1700.88
	S	5.1689	5.1898	5.2103	5.2305	5.2504	5.2700	5.2893	5.3083	5.3270
3000	V	1.1055	1.1234	1.1413	1.1592	1.1771	1.1950	1.2129	1.2309	1.2488
	H	1503.85	1528.71	1553.57	1578.43	1603.29	1628.15	1653.01	1677.86	1702.72
	S	5.1346	5.1555	5.1760	5.1963	5.2162	5.2357	5.2550	5.2740	5.2927
3500	V	0.9547	0.9701	0.9854	1.0008	1.0161	1.0315	1.0469	1.0622	1.0776
	H	1508.35	1533.22	1558.09	1582.96	1607.83	1632.70	1657.56	1682.43	1707.29
	S	5.0579	5.0788	5.0994	5.1196	5.1395	5.1591	5.1784	5.1974	5.2161
4000	V	0.8415	0.8550	0.8684	0.8819	0.8953	0.9088	0.9222	0.9357	0.9491
	H	1512.81	1537.69	1562.57	1587.44	1612.32	1637.19	1662.07	1686.94	1711.81
	S	4.9915	5.0124	5.0330	5.0532	5.0731	5.0927	5.1120	5.1310	5.1497
4500	V	0.7534	0.7654	0.7773	0.7893	0.8013	0.8132	0.8252	0.8372	0.8491
	H	1517.21	1542.10	1566.99	1591.88	1616.76	1641.64	1666.53	1691.41	1716.28
	S	4.9328	4.9537	4.9743	4.9945	5.0145	5.0340	5.0533	5.0723	5.0911
5000	V	0.6829	0.6937	0.7044	0.7152	0.7260	0.7368	0.7475	0.7583	0.7691
	H	1521.57	1546.47	1571.37	1596.26	1621.16	1646.05	1670.94	1695.83	1720.71
	S	4.8803	4.9012	4.9218	4.9420	4.9620	4.9816	5.0009	5.0199	5.0386
5500	V	0.6251	0.6349	0.6447	0.6545	0.6643	0.6741	0.6840	0.6938	0.7036
	H	1525.88	1550.79	1575.70	1600.60	1625.51	1650.41	1675.31	1700.20	1725.10
	S	4.8327	4.8537	4.8742	4.8945	4.9144	4.9340	4.9533	4.9724	4.9911
6000	V	0.5769	0.5859	0.5949	0.6039	0.6129	0.6219	0.6309	0.6399	0.6487
	H	1530.15	1555.07	1579.98	1604.90	1629.81	1654.72	1679.63	1704.53	1729.41
	S	4.7892	4.8102	4.8308	4.8511	4.8710	4.8906	4.9099	4.9289	4.9371

PRESSURE PSIA		TEMPERATURE									
		900	920	940	960	980	1000	1020	1040	1060	
14.696	V	247.8767	251.5220	255.1673	258.8126	262.4579	266.1032	269.7485	273.3938	277.0391	
	H	1699.16	1723.99	1748.81	1773.63	1798.45	1823.28	1848.10	1872.92	1897.74	
	S	7.9480	7.9661	7.9840	8.0016	8.0189	8.0361	8.0530	8.0696	8.0861	
16	V	227.6792	231.0274	234.3757	237.7239	241.0721	244.4203	247.7685	251.1167	254.4649	
	H	1699.18	1724.00	1748.82	1773.64	1798.47	1823.29	1848.11	1872.93	1897.75	
	S	7.9059	7.9240	7.9418	7.9594	7.9768	7.9939	8.0108	8.0275	8.0439	
20	V	182.1543	184.8329	187.5115	190.1900	192.8686	195.5472	198.2257	200.9043	203.5828	
	H	1699.22	1724.04	1748.86	1773.68	1798.51	1823.33	1848.15	1872.97	1897.79	
	S	7.7953	7.8134	7.8312	7.8489	7.8662	7.8833	7.9002	7.9169	7.9333	
24	V	151.8044	154.0365	156.2687	158.5008	160.7330	162.9651	165.1972	167.4294	169.6615	
	H	1699.26	1724.08	1748.90	1773.72	1798.55	1823.37	1848.19	1873.01	1897.83	
	S	7.7049	7.7230	7.7409	7.7585	7.7759	7.7930	7.8099	7.8265	7.8430	
28	V	130.1259	132.0391	133.9524	135.8657	137.7789	139.6922	141.6055	143.5187	145.4320	
	H	1699.30	1724.12	1748.94	1773.76	1798.58	1823.41	1848.23	1873.05	1897.87	
	S	7.6285	7.6466	7.6645	7.6821	7.6995	7.7166	7.7335	7.7501	7.7666	
32	V	113.8670	115.5411	117.2152	118.8893	120.5634	122.2375	123.9116	125.5857	127.2598	
	H	1699.33	1724.16	1748.98	1773.80	1798.62	1823.45	1848.27	1873.09	1897.91	
	S	7.5623	7.5804	7.5983	7.6159	7.6333	7.6504	7.6673	7.6840	7.7004	
36	V	101.2212	102.7093	104.1974	105.6855	107.1736	108.6617	110.1498	111.6379	113.1260	
	H	1699.37	1724.20	1749.02	1773.84	1798.66	1823.49	1848.31	1873.13	1897.95	
	S	7.5040	7.5221	7.5399	7.5575	7.5749	7.5920	7.6089	7.6256	7.6420	
40	V	91.1045	92.4438	93.7831	95.1224	96.4617	97.8010	99.1403	100.4796	101.8188	
	H	1699.41	1724.24	1749.06	1773.88	1798.70	1823.53	1848.35	1873.17	1897.99	
	S	7.4517	7.4699	7.4877	7.5053	7.5227	7.5398	7.5567	7.5734	7.5898	
44	V	82.8273	84.0448	85.2623	86.4799	87.6974	88.9150	90.1325	91.3500	92.5676	
	H	1699.45	1724.28	1749.10	1773.92	1798.74	1823.57	1848.39	1873.21	1898.03	
	S	7.4045	7.4226	7.4405	7.4581	7.4755	7.4926	7.5095	7.5261	7.5426	
48	V	75.9295	77.0456	78.1617	79.2778	80.3939	81.5099	82.6260	83.7421	84.8582	
	H	1699.49	1724.32	1749.14	1773.96	1798.78	1823.60	1848.43	1873.25	1898.07	
	S	7.3614	7.3795	7.3974	7.4150	7.4323	7.4495	7.4663	7.4830	7.4994	
52	V	70.0930	71.1232	72.1535	73.1837	74.2139	75.2442	76.2744	77.3046	78.3348	
	H	1699.53	1724.35	1749.18	1774.00	1798.82	1823.64	1848.47	1873.29	1898.11	
	S	7.3217	7.3398	7.3577	7.3753	7.3927	7.4098	7.4267	7.4433	7.4598	

PRESSURE PSIA	V	TEMPERATURE								
		900	920	940	960	980	1000	1020	1040	1060
56	V	65.0903	66.0469	67.0036	67.9602	68.9168	69.8735	70.8301	71.7868	72.7434
	H	1699.57	1724.39	1749.22	1774.04	1798.86	1823.68	1848.51	1873.33	1898.15
	S	7.2850	7.3031	7.3210	7.3386	7.3559	7.3731	7.3899	7.4066	7.4230
60	V	60.7546	61.6474	62.5403	63.4332	64.3260	65.2189	66.1118	67.0046	67.8975
	H	1699.61	1724.43	1749.26	1774.08	1798.90	1823.72	1848.55	1873.37	1898.19
	S	7.2508	7.2689	7.2868	7.3044	7.3217	7.3389	7.3557	7.3724	7.3889
70	V	52.0832	52.8485	53.6138	54.3791	55.1444	55.9097	56.6751	57.4404	58.2057
	H	1699.71	1724.53	1749.35	1774.18	1799.00	1823.82	1848.65	1873.47	1898.29
	S	7.1744	7.1925	7.2104	7.2280	7.2453	7.2625	7.2794	7.2960	7.3125
80	V	45.5796	46.2493	46.9189	47.5886	48.2582	48.9279	49.5975	50.2672	50.9368
	H	1699.81	1724.63	1749.45	1774.28	1799.10	1823.92	1848.74	1873.57	1898.39
	S	7.1082	7.1263	7.1442	7.1618	7.1792	7.1963	7.2132	7.2298	7.2463
90	V	40.5213	41.1165	41.7118	42.3070	42.9023	43.4975	44.0928	44.6880	45.2833
	H	1699.91	1724.73	1749.55	1774.38	1799.20	1824.02	1848.84	1873.67	1898.49
	S	7.0498	7.0679	7.0858	7.1034	7.1208	7.1379	7.1548	7.1715	7.1879
100	V	36.4746	37.0103	37.5461	38.0818	38.6175	39.1533	39.6890	40.2247	40.7604
	H	1700.01	1724.83	1749.65	1774.47	1799.30	1824.12	1848.94	1873.77	1898.59
	S	6.9976	7.0157	7.0336	7.0512	7.0686	7.0857	7.1026	7.1192	7.1357
110	V	33.1637	33.6507	34.1378	34.6248	35.1118	35.5989	36.0859	36.5729	37.0599
	H	1700.10	1724.93	1749.75	1774.57	1799.40	1824.22	1849.04	1873.86	1898.69
	S	6.9504	6.9685	6.9864	7.0040	7.0213	7.0385	7.0553	7.0720	7.0884
120	V	30.4046	30.8511	31.2975	31.7440	32.1904	32.6368	33.0833	33.5297	33.9762
	H	1700.20	1725.03	1749.85	1774.67	1799.49	1824.32	1849.14	1873.96	1898.79
	S	6.9072	6.9254	6.9432	6.9608	6.9782	6.9953	7.0122	7.0289	7.0453
130	V	28.0700	28.4821	28.8942	29.3063	29.7184	30.1305	30.5426	30.9547	31.3668
	H	1700.30	1725.12	1749.95	1774.77	1799.59	1824.42	1849.24	1874.06	1898.89
	S	6.8676	6.8857	6.9036	6.9212	6.9385	6.9557	6.9725	6.9892	7.0057
140	V	26.0689	26.4516	26.8343	27.2169	27.5996	27.9823	28.3649	28.7476	29.1303
	H	1700.40	1725.22	1750.05	1774.87	1799.69	1824.52	1849.34	1874.16	1898.98
	S	6.8308	6.8490	6.8668	6.8844	6.9018	6.9189	6.9358	6.9525	6.9689
150	V	24.3346	24.6918	25.0490	25.4061	25.7633	26.1204	26.4776	26.8348	27.1919
	H	1700.50	1725.32	1750.15	1774.97	1799.79	1824.61	1849.44	1874.26	1898.11
	S	6.7967	6.8148	6.8326	6.8502	6.8676	6.8847	6.9016	6.9183	6.9311

PRESSURE PSIA		TEMPERATURE									
		900	920	940	960	980	1000	1020	1040	1060	
160	V	22.8172	23.1520	23.4868	23.8217	24.1565	24.4913	24.8262	25.1610	25.4958	
	H	1700.60	1725.42	1750.24	1775.07	1799.89	1824.71	1849.54	1874.36	1899.18	
	S	6.7647	6.7828	6.8007	6.8183	6.8356	6.8527	6.8696	6.8863	6.9027	
170	V	21.4782	21.7933	22.1085	22.4236	22.7388	23.0539	23.3690	23.6842	23.9993	
	H	1700.70	1725.52	1750.34	1775.17	1799.99	1824.81	1849.64	1874.46	1899.28	
	S	6.7346	6.7527	6.7706	6.7882	6.8056	6.8227	6.8396	6.8563	6.8727	
180	V	20.2880	20.5856	20.8833	21.1809	21.4785	21.7762	22.0738	22.3714	22.6691	
	H	1700.79	1725.62	1750.44	1775.26	1800.09	1824.91	1849.73	1874.56	1899.38	
	S	6.7063	6.7244	6.7423	6.7599	6.7772	6.7944	6.8113	6.8279	6.8444	
190	V	19.2231	19.5051	19.7870	20.0690	20.3510	20.6329	20.9149	21.1969	21.4788	
	H	1700.89	1725.72	1750.54	1775.36	1800.19	1825.01	1849.83	1874.66	1899.48	
	S	6.6795	6.6976	6.7155	6.7331	6.7504	6.7676	6.7845	6.8011	6.8176	
200	V	18.2647	18.5325	18.8004	19.0683	19.3362	19.6040	19.8719	20.1398	20.4076	
	H	1700.99	1725.82	1750.64	1775.46	1800.29	1825.11	1849.93	1874.76	1899.58	
	S	6.6541	6.6722	6.6901	6.7077	6.7250	6.7421	6.7590	6.7757	6.7921	
220	V	16.6092	16.8527	17.0963	17.3398	17.5833	17.8268	18.0704	18.3139	18.5574	
	H	1701.19	1726.01	1750.84	1775.66	1800.48	1825.31	1850.13	1874.95	1899.78	
	S	6.6068	6.6250	6.6428	6.6604	6.6778	6.6949	6.7118	6.7285	6.7449	
240	V	15.2297	15.4529	15.6761	15.8994	16.1226	16.3458	16.5691	16.7923	17.0155	
	H	1701.39	1726.21	1751.03	1775.86	1800.68	1825.51	1850.33	1875.15	1899.98	
	S	6.5637	6.5818	6.5997	6.6173	6.6347	6.6518	6.6687	6.6853	6.7018	
260	V	14.0624	14.2684	14.4745	14.6806	14.8866	15.0927	15.2987	15.5048	15.7108	
	H	1701.58	1726.41	1751.23	1776.06	1800.88	1825.70	1850.53	1875.35	1900.18	
	S	6.5240	6.5422	6.5600	6.5776	6.5950	6.6121	6.6290	6.6457	6.6621	
280	V	13.0618	13.2532	13.4445	13.6359	13.8272	14.0185	14.2099	14.4012	14.5926	
	H	1701.78	1726.61	1751.43	1776.25	1801.08	1825.90	1850.73	1875.55	1900.37	
	S	6.4873	6.5054	6.5233	6.5409	6.5583	6.5754	6.5923	6.6089	6.6254	
300	V	12.1947	12.3733	12.5519	12.7305	12.9090	13.0876	13.2662	13.4448	13.6234	
	H	1701.98	1726.80	1751.63	1776.45	1801.28	1826.10	1850.92	1875.75	1900.57	
	S	6.4531	6.4712	6.4891	6.5067	6.5241	6.5412	6.5581	6.5747	6.5912	
320	V	11.4359	11.6034	11.7708	11.9382	12.1056	12.2731	12.4405	12.6079	12.7754	
	H	1702.18	1727.00	1751.83	1776.65	1801.47	1826.30	1851.12	1875.95	1900.75	
	S	6.4211	6.4392	6.4571	6.4747	6.4921	6.5092	6.5261	6.5428	6.559.	

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PRESSURE
PSIA

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TEMPERATURE
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	V	10.7665	10.9240	11.0816	11.2392	11.3968	11.5544	11.7119	11.8695	12.0271
340	H	1702.37	1727.20	1752.02	1776.85	1801.67	1826.50	1851.32	1876.15	1900.97
	S	6.3911	6.4092	6.4271	6.4447	6.4620	6.4792	6.4960	6.5127	6.5292
	V	10.1714	10.3202	10.4690	10.6178	10.7667	10.9155	11.0643	11.2131	11.3620
360	H	1702.57	1727.40	1752.22	1777.05	1801.87	1826.70	1851.52	1876.34	1901.17
	S	6.3627	6.3809	6.3987	6.4163	6.4337	6.4508	6.4677	6.4844	6.5008
	V	9.6389	9.7799	9.9209	10.0619	10.2029	10.3439	10.4849	10.6259	10.7669
380	H	1702.77	1727.59	1752.42	1777.24	1802.07	1826.89	1851.72	1876.54	1901.37
	S	6.3359	6.3541	6.3719	6.3895	6.4069	6.4240	6.4409	6.4576	6.4740
	V	9.1597	9.2936	9.4276	9.5615	9.6955	9.8294	9.9634	10.0973	10.2313
400	H	1702.97	1727.79	1752.62	1777.44	1802.27	1827.09	1851.92	1876.74	1901.57
	S	6.3105	6.3286	6.3465	6.3641	6.3815	6.3986	6.4155	6.4322	6.4486
	V	8.7261	8.8537	8.9813	9.1088	9.2364	9.3640	9.4915	9.6191	9.7467
420	H	1703.16	1727.99	1752.82	1777.64	1802.47	1827.29	1852.11	1876.94	1901.76
	S	6.2863	6.3045	6.3223	6.3399	6.3573	6.3744	6.3913	6.4080	6.4244
	V	8.3320	8.4537	8.5755	8.6973	8.8191	8.9408	9.0626	9.1844	9.3061
440	H	1703.36	1728.19	1753.01	1777.84	1802.66	1827.49	1852.31	1877.14	1901.96
	S	6.2633	6.2814	6.2993	6.3169	6.3342	6.3514	6.3683	6.3849	6.4014
	V	7.9721	8.0886	8.2051	8.3215	8.4380	8.5545	8.6710	8.7874	8.9039
460	H	1703.56	1728.39	1753.21	1778.04	1802.86	1827.69	1852.51	1877.34	1902.16
	S	6.2412	6.2594	6.2772	6.2948	6.3122	6.3293	6.3462	6.3629	6.3793
	V	7.6422	7.7538	7.8655	7.9771	8.0887	8.2003	8.3120	8.4236	8.5352
480	H	1703.76	1728.58	1753.41	1778.23	1803.06	1827.88	1852.71	1877.54	1902.36
	S	6.2201	6.2383	6.2561	6.2737	6.2911	6.3082	6.3251	6.3418	6.3582
	V	7.3387	7.4459	7.5530	7.6602	7.7674	7.8745	7.9817	8.0888	8.1960
500	H	1703.96	1728.78	1753.61	1778.43	1803.26	1828.08	1852.91	1877.73	1902.56
	S	6.1999	6.2180	6.2359	6.2535	6.2709	6.2880	6.3049	6.3216	6.3380
	V	7.0586	7.1616	7.2646	7.3677	7.4707	7.5738	7.6768	7.7798	7.8829
520	H	1704.15	1728.98	1753.81	1778.63	1803.46	1828.28	1853.11	1877.93	1902.76
	S	6.1805	6.1986	6.2165	6.2341	6.2514	6.2686	6.2855	6.3021	6.3186
	V	6.7992	6.8984	6.9976	7.0968	7.1961	7.2953	7.3945	7.4937	7.5929
540	H	1704.35	1729.18	1754.00	1778.83	1803.65	1828.48	1853.31	1878.13	1902.91
	S	6.1618	6.1799	6.1978	6.2154	6.2327	6.2499	6.2667	6.2834	6.2955

PRESSURE PSIA		TEMPERATURE								
		900	920	940	960	980	1000	1020	1040	1060
560	V	6.5583	6.6540	6.7497	6.8453	6.9410	7.0367	7.1324	7.2280	7.3237
	H	1704.55	1729.38	1754.20	1779.03	1803.85	1828.68	1853.50	1878.33	1903.15
	S	6.1437	6.1619	6.1797	6.1973	6.2147	6.2318	6.2487	6.2654	6.2818
580	V	6.3340	6.4264	6.5188	6.6112	6.7036	6.7959	6.8883	6.9807	7.0731
	H	1704.75	1729.57	1754.40	1779.23	1804.05	1828.88	1853.70	1878.53	1903.35
	S	6.1263	6.1445	6.1623	6.1799	6.1973	6.2144	6.2313	6.2480	6.2644
600	V	6.1247	6.2140	6.3033	6.3926	6.4819	6.5712	6.6605	6.7498	6.8391
	H	1704.94	1729.77	1754.60	1779.42	1804.25	1829.08	1853.90	1878.73	1903.55
	S	6.1095	6.1277	6.1455	6.1631	6.1805	6.1976	6.2145	6.2312	6.2476
620	V	5.9289	6.0153	6.1018	6.1882	6.2746	6.3610	6.4475	6.5339	6.6203
	H	1705.14	1729.97	1754.80	1779.62	1804.45	1829.27	1854.10	1878.93	1903.75
	S	6.0933	6.1114	6.1293	6.1469	6.1643	6.1814	6.1983	6.2149	6.2314
640	V	5.7454	5.8291	5.9128	5.9965	6.0802	6.1640	6.2477	6.3314	6.4151
	H	1705.34	1730.17	1754.99	1779.82	1804.65	1829.47	1854.30	1879.12	1903.95
	S	6.0776	6.0957	6.1135	6.1312	6.1485	6.1656	6.1825	6.1992	6.2156
660	V	5.5729	5.6541	5.7353	5.8165	5.8977	5.9788	6.0600	6.1412	6.2224
	H	1705.54	1730.37	1755.19	1780.02	1804.84	1829.67	1854.50	1879.32	1904.15
	S	6.0623	6.0804	6.0983	6.1159	6.1333	6.1504	6.1673	6.1839	6.2004
680	V	5.4101	5.4894	5.5682	5.6470	5.7258	5.8046	5.8834	5.9622	6.0410
	H	1705.67	1730.56	1755.39	1780.22	1805.04	1829.87	1854.70	1879.52	1904.35
	S	6.0475	6.0656	6.0835	6.1011	6.1185	6.1356	6.1525	6.1691	6.1856
700	V	5.2570	5.3336	5.4101	5.4872	5.5638	5.6403	5.7169	5.7934	5.8700
	H	1705.86	1730.69	1755.52	1780.42	1805.24	1830.07	1854.89	1879.72	1904.55
	S	6.0331	6.0512	6.0691	6.0867	6.1041	6.1212	6.1381	6.1548	6.1712
720	V	5.1125	5.1869	5.2614	5.3358	5.4102	5.4846	5.5596	5.6340	5.7084
	H	1706.06	1730.88	1755.71	1780.54	1805.37	1830.19	1855.09	1879.92	1904.75
	S	6.0191	6.0372	6.0551	6.0727	6.0901	6.1072	6.1242	6.1408	6.1573
740	V	4.9758	5.0482	5.1206	5.1930	5.2654	5.3379	5.4103	5.4827	5.5556
	H	1706.25	1731.08	1755.91	1780.73	1805.56	1830.39	1855.22	1880.04	1904.94
	S	6.0055	6.0237	6.0415	6.0591	6.0765	6.0936	6.1105	6.1272	6.1437
760	V	4.8462	4.9167	4.9873	5.0578	5.1283	5.1988	5.2693	5.3398	5.4103
	H	1706.44	1731.27	1756.10	1780.93	1805.76	1830.58	1855.41	1880.24	1905.01
	S	5.9923	6.0104	6.0283	6.0459	6.0633	6.0804	6.0973	6.1140	6.1304

E O	PRESSURE PSIA	TEMPERATURE								1040	1060
		900	920	940	960	980	1000	1020			
780	V	4.7233	4.7921	4.8608	4.9295	4.9982	5.0669	5.1356	5.2043	5.2730	
	H	1706.64	1731.46	1756.29	1781.12	1805.95	1830.78	1855.61	1880.43	1905.26	
	S	5.9794	5.9976	6.0154	6.0330	6.0504	6.0675	6.0844	6.1011	6.1175	
800	V	4.6066	4.6736	4.7406	4.8076	4.8746	4.9415	5.0085	5.0755	5.1425	
	H	1706.83	1731.66	1756.49	1781.32	1806.14	1830.97	1855.80	1880.63	1905.46	
	S	5.9669	5.9850	6.0029	6.0205	6.0379	6.0550	6.0719	6.0885	6.1050	
820	V	4.4956	4.5609	4.6263	4.6916	4.7570	4.8223	4.8877	4.9530	5.0184	
	H	1707.02	1731.85	1756.68	1781.51	1806.34	1831.17	1855.99	1880.82	1905.65	
	S	5.9546	5.9728	5.9906	6.0082	6.0256	6.0427	6.0596	6.0763	6.0927	
840	V	4.3898	4.4536	4.5174	4.5812	4.6450	4.7088	4.7726	4.8364	4.9002	
	H	1707.22	1732.05	1756.87	1781.70	1806.53	1831.36	1856.19	1881.02	1905.85	
	S	5.9427	5.9608	5.9787	5.9963	6.0137	6.0308	6.0477	6.0643	6.0808	
860	V	4.2889	4.3513	4.4136	4.4759	4.5382	4.6005	4.6628	4.7252	4.7875	
	H	1707.41	1732.24	1757.07	1781.90	1806.73	1831.55	1856.38	1881.21	1906.04	
	S	5.9310	5.9491	5.9670	5.9846	6.0020	6.0191	6.0360	6.0527	6.0691	
880	V	4.1927	4.2536	4.3145	4.3754	4.4363	4.4972	4.5581	4.6190	4.6799	
	H	1707.60	1732.43	1757.26	1782.09	1806.92	1831.75	1856.58	1881.41	1906.23	
	S	5.9196	5.9377	5.9556	5.9732	5.9906	6.0077	6.0246	6.0413	6.0577	
900	V	4.1007	4.1603	4.2198	4.2794	4.3389	4.3984	4.4580	4.5175	4.5771	
	H	1707.80	1732.62	1757.45	1782.28	1807.11	1831.94	1856.77	1881.60	1906.43	
	S	5.9085	5.9266	5.9445	5.9621	5.9795	5.9966	6.0135	6.0301	6.0466	
920	V	4.0127	4.0710	4.1292	4.1875	4.2457	4.3040	4.3622	4.4205	4.4786	
	H	1707.99	1732.82	1757.65	1782.48	1807.31	1832.14	1856.97	1881.79	1906.61	
	S	5.8976	5.9157	5.9336	5.9512	5.9686	5.9857	6.0026	6.0192	6.0357	
940	V	3.9285	3.9855	4.0425	4.0995	4.1565	4.2136	4.2706	4.3276	4.3846	
	H	1708.18	1733.01	1757.84	1782.67	1807.50	1832.33	1857.16	1881.99	1906.82	
	S	5.8869	5.9050	5.9229	5.9405	5.9579	5.9750	5.9919	6.0086	6.0250	
960	V	3.8477	3.9036	3.9594	4.0152	4.0711	4.1269	4.1827	4.2385	4.2944	
	H	1708.37	1733.20	1758.03	1782.86	1807.69	1832.52	1857.35	1882.18	1907.01	
	S	5.8765	5.8946	5.9125	5.9301	5.9475	5.9646	5.9815	5.9981	6.0146	
980	V	3.7703	3.8250	3.8797	3.9344	3.9891	4.0438	4.0984	4.1531	4.2078	
	H	1708.57	1733.40	1758.23	1783.06	1807.89	1832.72	1857.55	1882.38	1907.21	
	S	5.8663	5.8844	5.9023	5.9199	5.9377	5.9544	5.9713	5.9879	6.0044	

PRESSURE PSIA		TEMPERATURE								
		900	920	940	960	980	1000	1020	1040	1060
1000	V	3.6960	3.7496	3.8032	3.8568	3.9104	3.9640	4.0176	4.0711	4.1247
	H	1708.76	1733.59	1758.42	1783.25	1808.08	1832.91	1857.74	1882.57	1907.40
	S	5.8562	5.8744	5.8922	5.9098	5.9272	5.9443	5.9612	5.9779	5.9944
1020	V	3.6245	3.6771	3.7296	3.7822	3.8347	3.8873	3.9398	3.9924	4.0449
	H	1708.95	1733.78	1758.61	1783.44	1808.27	1833.10	1857.93	1882.76	1907.59
	S	5.8464	5.8645	5.8824	5.9000	5.9174	5.9345	5.9514	5.9681	5.9845
1040	V	3.5559	3.6074	3.6589	3.7105	3.7620	3.8135	3.8651	3.9166	3.9682
	H	1709.14	1733.97	1758.81	1783.64	1808.47	1833.30	1858.13	1882.96	1907.79
	S	5.8368	5.8549	5.8728	5.8904	5.9078	5.9249	5.9418	5.9585	5.9749
1060	V	3.4898	3.5403	3.5909	3.6415	3.6920	3.7426	3.7932	3.8437	3.8943
	H	1709.34	1734.17	1759.00	1783.83	1808.66	1833.49	1858.32	1883.15	1907.98
	S	5.8273	5.8455	5.8633	5.8810	5.8983	5.9155	5.9323	5.9490	5.9655
1080	V	3.4261	3.4758	3.5254	3.5750	3.6247	3.6743	3.7239	3.7735	3.8232
	H	1709.53	1734.36	1759.19	1784.02	1808.85	1833.68	1858.51	1883.34	1908.17
	S	5.8181	5.8362	5.8541	5.8717	5.8891	5.9062	5.9231	5.9397	5.9562
1100	V	3.3648	3.4135	3.4623	3.5110	3.5597	3.6084	3.6572	3.7059	3.7546
	H	1709.72	1734.55	1759.38	1784.21	1809.05	1833.88	1858.71	1883.54	1908.37
	S	5.8090	5.8271	5.8450	5.8626	5.8800	5.8971	5.9140	5.9306	5.9471
1120	V	3.3057	3.3535	3.4014	3.4492	3.4971	3.5450	3.5928	3.6407	3.6885
	H	1709.91	1734.74	1759.58	1784.41	1809.24	1834.07	1858.90	1883.73	1908.56
	S	5.8000	5.8182	5.8360	5.8537	5.8710	5.8881	5.9050	5.9217	5.9382
1140	V	3.2486	3.2956	3.3426	3.3897	3.4367	3.4837	3.5307	3.5777	3.6248
	H	1710.10	1734.94	1759.77	1784.60	1809.43	1834.26	1859.09	1883.92	1908.75
	S	5.7913	5.8094	5.8273	5.8449	5.8622	5.8794	5.8963	5.9129	5.9294
1160	V	3.1935	3.2397	3.2859	3.3321	3.3784	3.4246	3.4708	3.5170	3.5632
	H	1710.30	1735.13	1759.96	1784.79	1809.62	1834.45	1859.29	1884.12	1908.95
	S	5.7826	5.8008	5.8186	5.8362	5.8536	5.8707	5.8876	5.9043	5.9208
1180	V	3.1403	3.1857	3.2311	3.2766	3.3220	3.3674	3.4128	3.4583	3.5037
	H	1710.49	1735.32	1760.15	1784.98	1809.82	1834.65	1859.48	1884.31	1909.14
	S	5.7742	5.7923	5.8102	5.8278	5.8451	5.8623	5.8792	5.8958	5.9123
1200	V	3.0888	3.1335	3.1782	3.2228	3.2675	3.3122	3.3569	3.4015	3.4477
	H	1710.68	1735.51	1760.34	1785.18	1810.01	1834.84	1859.67	1884.50	1904.
	S	5.7658	5.7840	5.8018	5.8194	5.8368	5.8539	5.8708	5.8875	5.9050

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PRESSURE
PSIA

		900	920	940	960	980	1000	1020	1040	1060
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	V	3.0391	3.0830	3.1269	3.1709	3.2148	3.2588	3.3027	3.3466	3.3906
1220	H	1710.87	1735.70	1760.54	1785.37	1810.20	1835.03	1859.86	1884.70	1909.53
	S	5.7576	5.7758	5.7936	5.8112	5.8286	5.8457	5.8626	5.8793	5.8958
	V	2.9909	3.0341	3.0774	3.1206	3.1638	3.2071	3.2503	3.2935	3.3367
1240	H	1711.06	1735.89	1760.73	1785.56	1810.39	1835.22	1860.06	1884.89	1909.72
	S	5.7496	5.7677	5.7856	5.8032	5.8205	5.8377	5.8546	5.8712	5.8877
	V	2.9443	2.9868	3.0294	3.0719	3.1144	3.1570	3.1995	3.2421	3.2846
1260	H	1711.25	1736.09	1760.92	1785.75	1810.58	1835.42	1860.25	1885.08	1909.91
	S	5.7416	5.7598	5.7776	5.7952	5.8126	5.8297	5.8466	5.8633	5.8798
	V	2.8991	2.9410	2.9829	3.0247	3.0666	3.1085	3.1504	3.1923	3.2341
1280	H	1711.44	1736.28	1761.11	1785.94	1810.78	1835.61	1860.44	1885.27	1910.11
	S	5.7338	5.7519	5.7698	5.7874	5.8048	5.8219	5.8388	5.8555	5.8719
	V	2.8553	2.8965	2.9378	2.9790	3.0203	3.0615	3.1027	3.1440	3.1852
1300	H	1711.64	1736.47	1761.30	1786.14	1810.97	1835.80	1860.63	1885.47	1910.30
	S	5.7261	5.7443	5.7621	5.7797	5.7971	5.8142	5.8311	5.8478	5.8643
	V	2.8128	2.8535	2.8941	2.9347	2.9753	3.0159	3.0565	3.0971	3.1377
1320	H	1711.83	1736.66	1761.49	1786.33	1811.16	1835.99	1860.83	1885.66	1910.49
	S	5.7186	5.7367	5.7546	5.7722	5.7895	5.8067	5.8236	5.8402	5.8567
	V	2.7716	2.8117	2.8517	2.8917	2.9317	2.9717	3.0117	3.0517	3.0917
1340	H	1712.02	1736.85	1761.69	1786.52	1811.35	1836.19	1861.02	1885.85	1910.68
	S	5.7111	5.7292	5.7471	5.7647	5.7821	5.7992	5.8161	5.8328	5.8492
	V	2.7317	2.7711	2.8105	2.8499	2.8893	2.9288	2.9682	3.0076	3.0450
1360	H	1712.21	1737.04	1761.88	1786.71	1811.54	1836.38	1861.21	1886.04	1910.82
	S	5.7037	5.7219	5.7397	5.7574	5.7747	5.7919	5.8088	5.8254	5.8419
	V	2.6928	2.7317	2.7705	2.8094	2.8482	2.8871	2.9259	2.9648	3.0036
1380	H	1712.40	1737.23	1762.07	1786.90	1811.74	1836.57	1861.40	1886.24	1911.07
	S	5.6965	5.7146	5.7325	5.7501	5.7675	5.7846	5.8015	5.8182	5.8346
	V	2.6551	2.6934	2.7317	2.7700	2.8083	2.8466	2.8849	2.9232	2.9615
1400	H	1712.59	1737.42	1762.26	1787.09	1811.93	1836.76	1861.59	1886.43	1911.26
	S	5.6894	5.7075	5.7254	5.7430	5.7604	5.7775	5.7944	5.8111	5.8275
	V	2.5654	2.6024	2.6393	2.6763	2.7133	2.7503	2.7872	2.8242	2.8612
1450	H	1713.07	1737.90	1762.74	1787.57	1812.41	1837.24	1862.07	1886.91	1911.74
	S	5.6720	5.6901	5.7080	5.7256	5.7761	5.7601	5.7770	5.7937	5.8101

PRESSURE PSIA		TEMPERATURE								
		900	920	940	960	980	1000	1020	1040	1060
1500	V	2.4816	2.5174	2.5531	2.5889	2.6246	2.6603	2.6961	2.7318	2.7676
	H	1713.54	1738.38	1763.21	1788.05	1812.88	1837.72	1862.55	1887.39	1912.22
	S	5.6551	5.6733	5.6911	5.7088	5.7261	5.7433	5.7602	5.7768	5.7933
1550	V	2.4033	2.4379	2.4725	2.5071	2.5416	2.5762	2.6108	2.6454	2.6800
	H	1714.02	1738.85	1763.69	1788.53	1813.36	1838.20	1863.03	1887.87	1912.70
	S	5.6389	5.6570	5.6749	5.6925	5.7099	5.7270	5.7439	5.7606	5.7770
1600	V	2.3298	2.3633	2.3968	2.4304	2.4639	2.4974	2.5309	2.5644	2.5979
	H	1714.49	1739.33	1764.17	1789.00	1813.84	1838.67	1863.51	1888.34	1913.18
	S	5.6231	5.6413	5.6591	5.6768	5.6941	5.7113	5.7282	5.7448	5.7613
1650	V	2.2608	2.2933	2.3258	2.3583	2.3908	2.4233	2.4558	2.4883	2.5208
	H	1714.97	1739.80	1764.64	1789.48	1814.31	1839.15	1863.99	1888.82	1913.66
	S	5.6079	5.6260	5.6439	5.6615	5.6789	5.6960	5.7129	5.7296	5.7460
1700	V	2.1958	2.2274	2.2589	2.2905	2.3220	2.3536	2.3851	2.4167	2.4482
	H	1715.44	1740.28	1765.12	1789.95	1814.79	1839.63	1864.46	1889.30	1914.13
	S	5.5931	5.6112	5.6291	5.6467	5.6641	5.6812	5.6981	5.7148	5.7312
1750	V	2.1346	2.1652	2.1959	2.2265	2.2572	2.2878	2.3185	2.3491	2.3797
	H	1715.91	1740.75	1765.59	1790.43	1815.27	1840.10	1864.94	1889.78	1914.61
	S	5.5787	5.5968	5.6147	5.6323	5.6497	5.6668	5.6837	5.7004	5.7168
1800	V	2.0768	2.1066	2.1364	2.1661	2.1959	2.2257	2.2555	2.2853	2.3151
	H	1716.39	1741.23	1766.06	1790.90	1815.74	1840.58	1865.42	1890.25	1915.09
	S	5.5647	5.5828	5.6007	5.6183	5.6357	5.6528	5.6697	5.6864	5.7029
1850	V	2.0220	2.0510	2.0800	2.1090	2.1380	2.1670	2.1960	2.2250	2.2540
	H	1716.86	1741.70	1766.54	1791.38	1816.22	1841.05	1865.89	1890.73	1915.57
	S	5.5511	5.5692	5.5871	5.6047	5.6221	5.6392	5.6561	5.6728	5.6893
1900	V	1.9702	1.9984	2.0267	2.0549	2.0831	2.1113	2.1396	2.1678	2.1960
	H	1717.33	1742.17	1767.01	1791.85	1816.69	1841.53	1866.37	1891.20	1916.04
	S	5.5379	5.5560	5.5739	5.5915	5.6089	5.6260	5.6429	5.6596	5.6760
1950	V	1.9210	1.9485	1.9760	2.0035	2.0310	2.0586	2.0861	2.1136	2.1411
	H	1717.80	1742.64	1767.48	1792.32	1817.16	1842.00	1866.84	1891.68	1916.52
	S	5.5250	5.5431	5.5610	5.5786	5.5960	5.6131	5.6300	5.6467	5.6631
2000	V	1.8743	1.9011	1.9279	1.9548	1.9816	2.0084	2.0352	2.0620	2.0888
	H	1718.27	1743.11	1767.95	1792.79	1817.63	1842.47	1867.31	1892.15	1916.99
	S	5.5124	5.5305	5.5484	5.5660	5.5834	5.6006	5.6175	5.6341	5.6506

PRESSURE PSIA	V	TEMPERATURE								
		900	920	940	960	980	1000	1020	1040	1060
2200	V	1.7086	1.7330	1.7574	1.7818	1.8062	1.8305	1.8549	1.8793	1.9037
	H	1720.15	1744.99	1769.84	1794.68	1819.52	1844.36	1869.20	1894.05	1918.89
	S	5.4651	5.4832	5.5011	5.5187	5.5361	5.5533	5.5702	5.5868	5.6033
2400	V	1.5705	1.5929	1.6153	1.6376	1.6600	1.6823	1.7047	1.7270	1.7494
	H	1722.02	1746.86	1771.71	1796.55	1821.40	1846.24	1871.09	1895.93	1920.77
	S	5.4219	5.4401	5.4579	5.4756	5.4929	5.5101	5.5270	5.5437	5.5601
2600	V	1.4537	1.4743	1.4950	1.5156	1.5362	1.5569	1.5775	1.5982	1.6188
	H	1723.88	1748.73	1773.57	1798.42	1823.27	1848.12	1872.96	1897.81	1922.65
	S	5.3822	5.4003	5.4182	5.4358	5.4532	5.4703	5.4872	5.5039	5.5204
2800	V	1.3535	1.3727	1.3918	1.4110	1.4302	1.4494	1.4685	1.4877	1.5069
	H	1725.73	1750.58	1775.43	1800.28	1825.13	1849.98	1874.83	1899.68	1924.52
	S	5.3454	5.3635	5.3814	5.3990	5.4164	5.4335	5.4504	5.4671	5.4836
3000	V	1.2667	1.2846	1.3025	1.3204	1.3382	1.3561	1.3740	1.3919	1.4098
	H	1727.57	1752.43	1777.28	1802.13	1826.99	1851.84	1876.69	1901.54	1926.39
	S	5.3111	5.3292	5.3471	5.3648	5.3821	5.3993	5.4162	5.4329	5.4493
3500	V	1.0929	1.1083	1.1236	1.1390	1.1543	1.1697	1.1850	1.2004	1.2157
	H	1732.15	1757.01	1781.87	1806.73	1831.59	1856.45	1881.30	1906.16	1931.01
	S	5.2345	5.2526	5.2705	5.2882	5.3056	5.3227	5.3396	5.3563	5.3728
4000	V	0.9625	0.9760	0.9894	1.0029	1.0163	1.0297	1.0432	1.0566	1.0700
	H	1736.68	1761.55	1786.41	1811.28	1836.15	1861.01	1885.87	1910.74	1935.60
	S	5.1681	5.1862	5.2041	5.2218	5.2392	5.2563	5.2732	5.2899	5.3064
4500	V	0.8611	0.8730	0.8850	0.8969	0.9089	0.9208	0.9328	0.9447	0.9567
	H	1741.16	1766.04	1790.91	1815.79	1840.66	1865.53	1890.40	1915.27	1940.17
	S	5.1095	5.1276	5.1455	5.1632	5.1806	5.1977	5.2147	5.2314	5.2478
5000	V	0.7799	0.7906	0.8014	0.8122	0.8229	0.8337	0.8444	0.8552	0.8660
	H	1745.60	1770.48	1795.36	1820.25	1845.13	1870.00	1894.88	1919.76	1944.63
	S	5.0570	5.0752	5.0931	5.1107	5.1281	5.1453	5.1622	5.1789	5.1954
5500	V	0.7134	0.7231	0.7329	0.7427	0.7525	0.7623	0.7721	0.7819	0.7917
	H	1749.99	1774.88	1799.77	1824.66	1849.55	1874.44	1899.32	1924.20	1949.09
	S	5.0095	5.0277	5.0456	5.0633	5.0807	5.0978	5.1148	5.1315	5.1480
6000	V	0.6579	0.6669	0.6759	0.6848	0.6938	0.7028	0.7118	0.7208	0.7298
	H	1754.34	1779.24	1804.14	1829.04	1853.93	1878.83	1903.72	1928.61	1953.50
	S	4.9661	4.9843	5.0022	5.0199	5.0373	5.0545	5.0714	5.0881	5.1046

PRESSURE PSIA		TEMPERATURE									
		1080	1100	1120	1140	1160	1180	1200	1220	1240	
14.696	V	280.6844	284.3297	287.9749	291.6202	295.2655	298.9108	302.5561	306.2014	309.8467	
	H	1922.56	1947.39	1972.21	1997.03	2021.85	2046.68	2071.50	2096.32	2121.14	
	S	8.1023	8.1183	8.1341	8.1497	8.1651	8.1804	8.1954	8.2103	8.2250	
16	V	257.8131	261.1613	264.5095	267.8577	271.2059	274.5540	277.9022	281.2504	284.5986	
	H	1922.58	1947.40	1972.22	1997.04	2021.87	2046.69	2071.51	2096.33	2121.15	
	S	8.0602	8.0762	8.0920	8.1076	8.1230	8.1382	8.1533	8.1682	8.1829	
20	V	206.2614	208.9400	211.6185	214.2971	216.9757	219.6542	222.3328	225.0113	227.6899	
	H	1922.62	1947.44	1972.26	1997.08	2021.91	2046.73	2071.55	2096.37	2121.19	
	S	7.9496	7.9656	7.9814	7.9970	8.0124	8.0277	8.0427	8.0576	8.0723	
24	V	171.8937	174.1258	176.3579	178.5901	180.8222	183.0543	185.2865	187.5186	189.7507	
	H	1922.66	1947.48	1972.30	1997.12	2021.95	2046.77	2071.59	2096.41	2121.23	
	S	7.8592	7.8752	7.8910	7.9066	7.9221	7.9373	7.9523	7.9672	7.9819	
28	V	147.3453	149.2585	151.1718	153.0850	154.9983	156.9116	158.8248	160.7381	162.6513	
	H	1922.70	1947.52	1972.34	1997.16	2021.99	2046.81	2071.63	2096.45	2121.27	
	S	7.7828	7.7988	7.8146	7.8302	7.8457	7.8609	7.8759	7.8908	7.9055	
32	V	128.9340	130.6081	132.2822	133.9563	135.6304	137.3045	138.9786	140.6527	142.3268	
	H	1922.74	1947.56	1972.38	1997.20	2022.03	2046.85	2071.67	2096.49	2121.31	
	S	7.7166	7.7326	7.7485	7.7641	7.7795	7.7947	7.8098	7.8246	7.8393	
36	V	114.6141	116.1021	117.5902	119.0783	120.5664	122.0545	123.5426	125.0307	126.5188	
	H	1922.78	1947.60	1972.42	1997.24	2022.06	2046.89	2071.71	2096.53	2121.35	
	S	7.6583	7.6743	7.6901	7.7057	7.7211	7.7363	7.7514	7.7663	7.7810	
40	V	103.1581	104.4974	105.8367	107.1760	108.5153	109.8546	111.1939	112.5331	113.8724	
	H	1922.82	1947.64	1972.46	1997.28	2022.10	2046.93	2071.75	2096.57	2121.39	
	S	7.6060	7.6221	7.6379	7.6535	7.6689	7.6841	7.6992	7.7140	7.7287	
44	V	93.7851	95.0026	96.2202	97.4377	98.6553	99.8728	101.0903	102.3079	103.5254	
	H	1922.85	1947.68	1972.50	1997.32	2022.14	2046.97	2071.79	2096.61	2121.43	
	S	7.5588	7.5748	7.5906	7.6062	7.6217	7.6369	7.6519	7.6668	7.6815	
48	V	85.9743	87.0903	88.2064	89.3225	90.4386	91.5546	92.6707	93.7868	94.9029	
	H	1922.89	1947.72	1972.54	1997.36	2022.18	2047.01	2071.83	2096.65	2121.47	
	S	7.5157	7.5317	7.5475	7.5631	7.5785	7.5938	7.6088	7.6237	7.6384	
52	V	79.3651	80.3953	81.4255	82.4557	83.4860	84.5162	85.5464	86.5766	87.6069	
	H	1922.93	1947.76	1972.58	1997.40	2022.22	2047.05	2071.87	2096.69	2121.51	
	S	7.4760	7.4920	7.5078	7.5235	7.5389	7.5541	7.5691	7.5840	7.5987	

PRESSURE PSIA		TEMPERATURE								
		1080	1100	1120	1140	1160	1180	1200	1220	1240
56	V	73.7001	74.6567	75.6133	76.5700	77.5266	78.4832	79.4399	80.3965	81.3532
	H	1922.97	1947.80	1972.62	1997.44	2022.26	2047.09	2071.91	2096.73	2121.55
	S	7.4393	7.4553	7.4711	7.4867	7.5021	7.5174	7.5324	7.5473	7.5620
60	V	68.7904	69.6832	70.5761	71.4690	72.3618	73.2547	74.1476	75.0404	75.9333
	H	1923.01	1947.84	1972.66	1997.48	2022.30	2047.13	2071.95	2096.77	2121.59
	S	7.4051	7.4211	7.4369	7.4525	7.4679	7.4832	7.4982	7.5131	7.5278
70	V	58.9710	59.7363	60.5016	61.2670	62.0323	62.7976	63.5629	64.3282	65.0935
	H	1923.11	1947.94	1972.76	1997.58	2022.40	2047.23	2072.05	2096.87	2121.69
	S	7.3287	7.3447	7.3605	7.3761	7.3916	7.4068	7.4218	7.4367	7.4514
80	V	51.6065	52.2761	52.9458	53.6154	54.2851	54.9548	55.6244	56.2941	56.9637
	H	1923.21	1948.03	1972.86	1997.68	2022.50	2047.32	2072.15	2096.97	2121.79
	S	7.2625	7.2785	7.2943	7.3100	7.3254	7.3406	7.3556	7.3705	7.3852
90	V	45.8785	46.4738	47.0690	47.6643	48.2595	48.8548	49.4500	50.0453	50.6405
	H	1923.31	1948.13	1972.96	1997.78	2022.60	2047.42	2072.25	2097.07	2121.89
	S	7.2041	7.2201	7.2360	7.2516	7.2670	7.2822	7.2973	7.3121	7.3268
100	V	41.2962	41.8319	42.3676	42.9033	43.4391	43.9748	44.5105	45.0462	45.5820
	H	1923.41	1948.23	1973.06	1997.88	2022.70	2047.52	2072.35	2097.17	2121.99
	S	7.1519	7.1679	7.1837	7.1994	7.2148	7.2300	7.2451	7.2599	7.2746
110	V	37.5470	38.0340	38.5210	39.0080	39.4950	39.9821	40.4691	40.9561	41.4431
	H	1923.51	1948.33	1973.16	1997.98	2022.80	2047.62	2072.45	2097.27	2122.09
	S	7.1047	7.1207	7.1365	7.1521	7.1675	7.1828	7.1978	7.2127	7.2274
120	V	34.4226	34.8691	35.3155	35.7619	36.2084	36.6548	37.1012	37.5477	37.9941
	H	1923.61	1948.43	1973.25	1998.08	2022.90	2047.72	2072.55	2097.37	2122.19
	S	7.0615	7.0776	7.0934	7.1090	7.1244	7.1396	7.1547	7.1696	7.1843
130	V	31.7789	32.1910	32.6031	33.0152	33.4273	33.8394	34.2515	34.6636	35.0757
	H	1923.71	1948.53	1973.35	1998.18	2023.00	2047.82	2072.65	2097.47	2122.29
	S	7.0219	7.0379	7.0537	7.0693	7.0847	7.1000	7.1150	7.1299	7.1446
140	V	29.5129	29.8956	30.2783	30.6609	31.0436	31.4263	31.8089	32.1916	32.5742
	H	1923.81	1948.63	1973.45	1998.28	2023.10	2047.92	2072.74	2097.57	2122.39
	S	6.9852	7.0012	7.0170	7.0326	7.0480	7.0633	7.0783	7.0932	7.1079
150	V	27.5491	27.9062	28.2634	28.6205	28.9777	29.3348	29.6920	30.0491	30.4063
	H	1923.91	1948.73	1973.55	1998.38	2023.20	2048.02	2072.84	2097.67	2122.49
	S	6.9510	6.9670	6.9828	6.9984	7.0138	7.0291	7.0441	7.0590	7.0737

PRESSURE PSIA		TEMPERATURE								
		1080	1100	1120	1140	1160	1180	1200	1220	1240
160	V	25.8307	26.1655	26.5003	26.8352	27.1700	27.5048	27.8397	28.1745	28.5093
	H	1924.01	1948.83	1973.65	1998.48	2023.30	2048.12	2072.94	2097.77	2122.59
	S	6.9190	6.9350	6.9508	6.9664	6.9818	6.9971	7.0121	7.0270	7.0417
170	V	24.3145	24.6296	24.9447	25.2599	25.5750	25.8901	26.2053	26.5204	26.8356
	H	1924.11	1948.93	1973.75	1998.57	2023.40	2048.22	2073.04	2097.87	2122.69
	S	6.8889	6.9049	6.9208	6.9364	6.9518	6.9670	6.9821	6.9969	7.0116
180	V	22.9667	23.2643	23.5620	23.8596	24.1572	24.4549	24.7525	25.0501	25.3477
	H	1924.20	1949.03	1973.85	1998.67	2023.50	2048.32	2073.14	2097.97	2122.79
	S	6.8606	6.8766	6.8924	6.9080	6.9235	6.9387	6.9537	6.9686	6.9833
190	V	21.7608	22.0428	22.3247	22.6067	22.8887	23.1706	23.4526	23.7346	24.0165
	H	1924.30	1949.13	1973.95	1998.77	2023.60	2048.42	2073.24	2098.07	2122.89
	S	6.8338	6.8498	6.8656	6.8812	6.8967	6.9119	6.9269	6.9418	6.9565
200	V	20.6755	20.9434	21.2113	21.4791	21.7470	22.0149	22.2827	22.5506	22.8185
	H	1924.40	1949.23	1974.05	1998.87	2023.70	2048.52	2073.34	2098.17	2122.99
	S	6.8084	6.8244	6.8402	6.8558	6.8712	6.8865	6.9015	6.9164	6.9311
220	V	18.8009	19.0444	19.2880	19.5315	19.7750	20.0185	20.2620	20.5055	20.7491
	H	1924.60	1949.43	1974.25	1999.07	2023.90	2048.72	2073.54	2098.36	2123.19
	S	6.7611	6.7772	6.7930	6.8086	6.8240	6.8392	6.8543	6.8692	6.8838
240	V	17.2387	17.4620	17.6852	17.9084	18.1317	18.3549	18.5781	18.8013	19.0246
	H	1924.80	1949.62	1974.45	1999.27	2024.09	2048.92	2073.74	2098.56	2123.39
	S	6.7180	6.7340	6.7498	6.7655	6.7809	6.7961	6.8112	6.8260	6.8407
260	V	15.9169	16.1230	16.3290	16.5351	16.7411	16.9472	17.1532	17.3593	17.5654
	H	1925.00	1949.82	1974.65	1999.47	2024.29	2049.12	2073.94	2098.76	2123.59
	S	6.6783	6.6944	6.7102	6.7258	6.7412	6.7564	6.7715	6.7864	6.8010
280	V	14.7839	14.9752	15.1666	15.3579	15.5493	15.7406	15.9319	16.1233	16.3146
	H	1925.20	1950.02	1974.84	1999.67	2024.49	2049.32	2074.14	2098.96	2123.79
	S	6.6416	6.6576	6.6734	6.6891	6.7045	6.7197	6.7348	6.7496	6.7643
300	V	13.8020	13.9806	14.1591	14.3377	14.5163	14.6949	14.8735	15.0521	15.2306
	H	1925.40	1950.22	1975.04	1999.87	2024.69	2049.51	2074.34	2099.16	2123.99
	S	6.6074	6.6234	6.6392	6.6549	6.6703	6.6855	6.7006	6.7154	6.7301
320	V	12.9428	13.1102	13.2776	13.4451	13.6125	13.7799	13.9473	14.1147	14.2822
	H	1925.59	1950.42	1975.24	2000.07	2024.89	2049.71	2074.54	2099.36	2124.19
	S	6.5754	6.5914	6.6073	6.6229	6.6383	6.6535	6.6686	6.6834	6.6981

	PRESSURE PSIA	TEMPERATURE								
		1080	1100	1120	1140	1160	1180	1200	1220	1240
340	V	12.1847	12.3422	12.4998	12.6574	12.8150	12.9725	13.1301	13.2877	13.4453
	H	1925.79	1950.62	1975.44	2000.27	2025.09	2049.91	2074.74	2099.56	2124.38
	S	6.5454	6.5614	6.5772	6.5928	6.6082	6.6235	6.6385	6.6534	6.6681
360	V	11.5108	11.6596	11.8084	11.9573	12.1061	12.2549	12.4037	12.5525	12.7014
	H	1925.99	1950.82	1975.64	2000.46	2025.29	2050.11	2074.94	2099.76	2124.58
	S	6.5170	6.5331	6.5489	6.5645	6.5799	6.5952	6.6102	6.6251	6.6398
380	V	10.9078	11.0488	11.1898	11.3308	11.4718	11.6128	11.7538	11.8948	12.0358
	H	1926.19	1951.02	1975.84	2000.66	2025.49	2050.31	2075.14	2099.96	2124.78
	S	6.4903	6.5063	6.5221	6.5377	6.5531	6.5684	6.5834	6.5983	6.6130
400	V	10.3652	10.4991	10.6331	10.7670	10.9010	11.0349	11.1689	11.3028	11.4367
	H	1926.39	1951.21	1976.04	2000.86	2025.69	2050.51	2075.34	2100.16	2124.98
	S	6.4648	6.4808	6.4967	6.5123	6.5277	6.5429	6.5580	6.5728	6.5875
420	V	9.8742	10.0018	10.1294	10.2569	10.3845	10.5121	10.6396	10.7672	10.8947
	H	1926.59	1951.41	1976.24	2001.06	2025.89	2050.71	2075.53	2100.36	2125.18
	S	6.4406	6.4567	6.4725	6.4881	6.5035	6.5187	6.5338	6.5487	6.5634
440	V	9.4279	9.5497	9.6714	9.7932	9.9150	10.0367	10.1585	10.2803	10.4020
	H	1926.79	1951.61	1976.44	2001.26	2026.09	2050.91	2075.73	2100.56	2125.38
	S	6.4176	6.4336	6.4494	6.4650	6.4805	6.4957	6.5107	6.5256	6.5403
460	V	9.0204	9.1369	9.2533	9.3698	9.4863	9.6027	9.7192	9.8357	9.9522
	H	1926.99	1951.81	1976.64	2001.46	2026.28	2051.11	2075.93	2100.76	2125.58
	S	6.3956	6.4116	6.4274	6.4430	6.4584	6.4737	6.4887	6.5036	6.5183
480	V	8.6468	8.7584	8.8701	8.9817	9.0933	9.2049	9.3165	9.4282	9.5398
	H	1927.18	1952.01	1976.83	2001.66	2026.48	2051.31	2076.13	2100.96	2125.78
	S	6.3745	6.3905	6.4063	6.4219	6.4373	6.4526	6.4676	6.4825	6.4972
500	V	8.3031	8.4103	8.5175	8.6246	8.7318	8.8389	8.9461	9.0532	9.1604
	H	1927.38	1952.21	1977.03	2001.86	2026.68	2051.51	2076.33	2101.16	2125.98
	S	6.3542	6.3702	6.3861	6.4017	6.4171	6.4323	6.4474	6.4622	6.4769
520	V	7.9859	8.0889	8.1920	8.2950	8.3980	8.5011	8.6041	8.7071	8.8102
	H	1927.58	1952.41	1977.23	2002.06	2026.88	2051.71	2076.53	2101.36	2126.18
	S	6.3348	6.3508	6.3666	6.3822	6.3977	6.4129	6.4279	6.4428	6.4575
540	V	7.6922	7.7914	7.8906	7.9898	8.0890	8.1883	8.2875	8.3867	8.4859
	H	1927.78	1952.61	1977.43	2002.26	2027.08	2051.91	2076.73	2101.56	2126.38
	S	6.3161	6.3321	6.3479	6.3635	6.3790	6.3942	6.4092	6.4241	6.4388

PRESSURE PSIA	TEMPERATURE									
	1080	1100	1120	1140	1160	1180	1200	1220	1240	
560	V	7.4194	7.5151	7.6108	7.7064	7.8021	7.8978	7.9935	8.0891	8.1848
	H	1927.98	1952.81	1977.63	2002.46	2027.28	2052.11	2076.93	2101.76	2126.58
	S	6.2981	6.3141	6.3299	6.3455	6.3609	6.3762	6.3912	6.4061	6.4208
580	V	7.1655	7.2578	7.3502	7.4426	7.5350	7.6273	7.7197	7.8121	7.9045
	H	1928.18	1953.00	1977.83	2002.65	2027.48	2052.31	2077.13	2101.95	2126.78
	S	6.2807	6.2967	6.3125	6.3281	6.3435	6.3588	6.3738	6.3887	6.4034
600	V	6.9284	7.0177	7.1070	7.1963	7.2856	7.3749	7.4642	7.5535	7.6428
	H	1928.38	1953.20	1978.03	2002.85	2027.68	2052.50	2077.33	2102.15	2126.98
	S	6.2639	6.2799	6.2957	6.3113	6.3267	6.3420	6.3570	6.3719	6.3866
620	V	6.7067	6.7931	6.8796	6.9660	7.0524	7.1388	7.2252	7.3116	7.3981
	H	1928.58	1953.40	1978.23	2003.05	2027.88	2052.70	2077.53	2102.35	2127.18
	S	6.2476	6.2636	6.2794	6.2951	6.3105	6.3257	6.3408	6.3556	6.3703
640	V	6.4988	6.5826	6.6663	6.7500	6.8337	6.9174	7.0012	7.0849	7.1686
	H	1928.78	1953.60	1978.43	2003.25	2028.08	2052.90	2077.73	2102.55	2127.38
	S	6.2319	6.2479	6.2637	6.2793	6.2947	6.3100	6.3250	6.3399	6.3546
660	V	6.3036	6.3848	6.4659	6.5471	6.6283	6.7095	6.7907	6.8718	6.9530
	H	1928.97	1953.80	1978.63	2003.45	2028.28	2053.10	2077.93	2102.75	2127.58
	S	6.2166	6.2326	6.2485	6.2641	6.2795	6.2947	6.3098	6.3246	6.3393
680	V	6.1198	6.1986	6.2774	6.3562	6.4350	6.5138	6.5926	6.6714	6.7501
	H	1929.17	1954.00	1978.83	2003.65	2028.48	2053.30	2078.13	2102.95	2127.78
	S	6.2018	6.2178	6.2337	6.2493	6.2647	6.2799	6.2950	6.3098	6.3245
700	V	5.9465	6.0231	6.0996	6.1761	6.2527	6.3292	6.4058	6.4823	6.5589
	H	1929.37	1954.20	1979.02	2003.85	2028.68	2053.50	2078.33	2103.15	2127.98
	S	6.1875	6.2035	6.2193	6.2349	6.2503	6.2656	6.2806	6.2955	6.3102
720	V	5.7829	5.8573	5.9317	6.0061	6.0805	6.1549	6.2294	6.3038	6.3782
	H	1929.57	1954.40	1979.22	2004.05	2028.88	2053.70	2078.53	2103.35	2128.18
	S	6.1735	6.1895	6.2053	6.2209	6.2364	6.2516	6.2666	6.2815	6.2962
740	V	5.6280	5.7005	5.7729	5.8453	5.9177	5.9901	6.0625	6.1349	6.2073
	H	1929.77	1954.60	1979.42	2004.25	2029.08	2053.90	2078.73	2103.55	2128.38
	S	6.1599	6.1759	6.1917	6.2074	6.2228	6.2380	6.2531	6.2679	6.2826
760	V	5.4808	5.5519	5.6224	5.6929	5.7634	5.8339	5.9044	5.9749	6.0454
	H	1929.89	1954.80	1979.62	2004.45	2029.27	2054.10	2078.93	2103.75	2128.58
	S	6.1466	6.1627	6.1785	6.1941	6.2096	6.2248	6.2398	6.2547	6.2694

PRESSURE PSIA	V	TEMPERATURE								
		1080	1100	1120	1140	1160	1180	1200	1220	1240
780	V	5.3417	5.4104	5.4791	5.5483	5.6170	5.6857	5.7544	5.8231	5.8918
	H	1930.09	1954.92	1979.74	2004.65	2029.47	2054.30	2079.13	2103.95	2128.78
	S	6.1338	6.1498	6.1656	6.1813	6.1967	6.2119	6.2270	6.2418	6.2565
800	V	5.2095	5.2765	5.3435	5.4104	5.4774	5.5450	5.6119	5.6789	5.7459
	H	1930.28	1955.11	1979.94	2004.77	2029.59	2054.50	2079.33	2104.15	2128.98
	S	6.1212	6.1372	6.1531	6.1687	6.1841	6.1994	6.2144	6.2293	6.2440
820	V	5.0837	5.1491	5.2144	5.2798	5.3451	5.4105	5.4758	5.5417	5.6071
	H	1930.48	1955.31	1980.13	2004.96	2029.79	2054.62	2079.44	2104.35	2129.18
	S	6.1090	6.1250	6.1408	6.1564	6.1719	6.1871	6.2021	6.2171	6.2317
840	V	4.9640	5.0278	5.0916	5.1554	5.2192	5.2830	5.3468	5.4105	5.4743
	H	1930.67	1955.50	1980.33	2005.16	2029.98	2054.81	2079.64	2104.46	2129.29
	S	6.0970	6.1130	6.1289	6.1445	6.1599	6.1751	6.1902	6.2051	6.2198
860	V	4.8498	4.9121	4.9744	5.0367	5.0990	5.1614	5.2237	5.2860	5.3483
	H	1930.87	1955.70	1980.52	2005.35	2030.18	2055.01	2079.83	2104.66	2129.49
	S	6.0854	6.1014	6.1172	6.1328	6.1482	6.1635	6.1785	6.1934	6.2081
880	V	4.7408	4.8017	4.8626	4.9235	4.9844	5.0453	5.1062	5.1671	5.2280
	H	1931.06	1955.89	1980.72	2005.55	2030.37	2055.20	2080.03	2104.86	2129.68
	S	6.0740	6.0900	6.1058	6.1214	6.1368	6.1521	6.1671	6.1820	6.1967
900	V	4.6366	4.6962	4.7557	4.8153	4.8748	4.9344	4.9939	5.0534	5.1130
	H	1931.26	1956.09	1980.91	2005.74	2030.57	2055.40	2080.22	2105.05	2129.88
	S	6.0628	6.0788	6.0947	6.1103	6.1257	6.1409	6.1560	6.1709	6.1856
920	V	4.5370	4.5953	4.6535	4.7118	4.7700	4.8283	4.8865	4.9448	5.0030
	H	1931.45	1956.28	1981.11	2005.94	2030.76	2055.59	2080.42	2105.25	2130.07
	S	6.0519	6.0679	6.0838	6.0994	6.1148	6.1300	6.1451	6.1600	6.1747
940	V	4.4416	4.4986	4.5556	4.6127	4.6697	4.7267	4.7837	4.8407	4.8977
	H	1931.65	1956.47	1981.30	2006.13	2030.96	2055.79	2080.61	2105.44	2130.27
	S	6.0413	6.0573	6.0731	6.0887	6.1041	6.1194	6.1344	6.1493	6.1640
960	V	4.3502	4.4060	4.4618	4.5177	4.5735	4.6293	4.6851	4.7410	4.7968
	H	1931.84	1956.67	1981.50	2006.33	2031.15	2055.98	2080.81	2105.64	2130.47
	S	6.0308	6.0468	6.0627	6.0783	6.0937	6.1089	6.1240	6.1389	6.1536
980	V	4.2625	4.3172	4.3719	4.4266	4.4813	4.5359	4.5906	4.6453	4.7000
	H	1932.03	1956.86	1981.69	2006.52	2031.35	2056.18	2081.00	2105.83	2130.66
	S	6.0206	6.0366	6.0524	6.0681	6.0835	6.0987	6.1138	6.1286	6.1433

PRESSURE PSIA		TEMPERATURE									
		1080	1100	1120	1140	1160	1180	1200	1220	1240	
1000	V	4.1783	4.2319	4.2855	4.3391	4.3927	4.4463	4.4999	4.5535	4.6071	
	H	1932.23	1957.06	1981.89	2006.71	2031.54	2056.37	2081.20	2106.03	2130.86	
	S	6.0106	6.0266	6.0424	6.0580	6.0735	6.0887	6.1038	6.1186	6.1333	
1020	V	4.0975	4.1500	4.2025	4.2551	4.3076	4.3602	4.4127	4.4652	4.5178	
	H	1932.42	1957.25	1982.08	2006.91	2031.74	2056.57	2081.39	2106.22	2131.05	
	S	6.0008	6.0168	6.0326	6.0482	6.0636	6.0789	6.0939	6.1088	6.1235	
1040	V	4.0197	4.0712	4.1228	4.1743	4.2258	4.2774	4.3289	4.3804	4.4319	
	H	1932.62	1957.45	1982.27	2007.10	2031.93	2056.76	2081.59	2106.42	2131.25	
	S	5.9911	6.0072	6.0230	6.0386	6.0540	6.0693	6.0843	6.0992	6.1139	
1060	V	3.9449	3.9954	4.0460	4.0965	4.1471	4.1977	4.2482	4.2988	4.3493	
	H	1932.81	1957.64	1982.47	2007.30	2032.13	2056.96	2081.78	2106.61	2131.44	
	S	5.9817	5.9977	6.0135	6.0292	6.0446	6.0598	6.0749	6.0897	6.1044	
1080	V	3.8728	3.9224	3.9720	4.0217	4.0713	4.1209	4.1705	4.2202	4.2698	
	H	1933.00	1957.83	1982.66	2007.49	2032.32	2057.15	2081.98	2106.81	2131.64	
	S	5.9724	5.9884	6.0043	6.0199	6.0353	6.0505	6.0656	6.0805	6.0952	
1100	V	3.8034	3.8521	3.9008	3.9495	3.9982	4.0470	4.0957	4.1444	4.1931	
	H	1933.20	1958.03	1982.86	2007.69	2032.52	2057.34	2082.17	2107.00	2131.83	
	S	5.9633	5.9793	5.9952	6.0108	6.0262	6.0414	6.0565	6.0714	6.0861	
1120	V	3.7364	3.7842	3.8321	3.8800	3.9278	3.9757	4.0235	4.0714	4.1192	
	H	1933.39	1958.22	1983.05	2007.88	2032.71	2057.54	2082.37	2107.20	2132.03	
	S	5.9544	5.9704	5.9862	6.0019	6.0173	6.0325	6.0476	6.0624	6.0771	
1140	V	3.6718	3.7188	3.7658	3.8128	3.8598	3.9068	3.9539	4.0009	4.0479	
	H	1933.58	1958.41	1983.24	2008.07	2032.90	2057.73	2082.56	2107.39	2132.22	
	S	5.9456	5.9616	5.9775	5.9931	6.0085	6.0237	6.0388	6.0537	6.0684	
1160	V	3.6094	3.6556	3.7018	3.7480	3.7942	3.8404	3.8866	3.9328	3.9790	
	H	1933.78	1958.61	1983.44	2008.27	2033.10	2057.93	2082.76	2107.59	2132.42	
	S	5.9370	5.9530	5.9688	5.9845	5.9999	6.0151	6.0302	6.0450	6.0597	
1180	V	3.5491	3.5945	3.6400	3.6854	3.7308	3.7762	3.8216	3.8671	3.9125	
	H	1933.97	1958.80	1983.63	2008.46	2033.29	2058.12	2082.95	2107.78	2132.61	
	S	5.9285	5.9445	5.9604	5.9760	5.9914	6.0066	6.0217	6.0366	6.0513	
1200	V	3.4909	3.5355	3.5802	3.6249	3.6695	3.7142	3.7588	3.8035	3.8482	
	H	1934.16	1959.00	1983.83	2008.66	2033.49	2058.32	2083.15	2107.98	2132.80	
	S	5.9202	5.9362	5.9520	5.9676	5.9831	5.9983	6.0134	6.0282	6.0429	

PRESSURE
PSIA

		TEMPERATURE							
		1080	1100	1120	1140	1160	1180	1200	1220

	V	3.4345	3.4784	3.5224	3.5663	3.6102	3.6542	3.6981	3.7420	3.7860
1220	H	1934.36	1959.19	1984.02	2008.85	2033.68	2058.51	2083.34	2108.17	2133.00
	S	5.9120	5.9280	5.9438	5.9594	5.9749	5.9901	6.0052	6.0200	6.0347
	V	3.3800	3.4232	3.4664	3.5096	3.5529	3.5961	3.6393	3.6825	3.7258
1240	H	1934.55	1959.38	1984.21	2009.04	2033.87	2058.70	2083.53	2108.36	2133.19
	S	5.9039	5.9199	5.9358	5.9514	5.9668	5.9820	5.9971	6.0120	6.0267
	V	3.3272	3.3697	3.4122	3.4548	3.4973	3.5399	3.5824	3.6249	3.6675
1260	H	1934.74	1959.58	1984.41	2009.24	2034.07	2058.90	2083.73	2108.56	2133.39
	S	5.8960	5.9120	5.9278	5.9435	5.9589	5.9741	5.9892	6.0040	6.0187
	V	3.2760	3.3179	3.3598	3.4016	3.4435	3.4854	3.5273	3.5691	3.6110
1280	H	1934.94	1959.77	1984.60	2009.43	2034.26	2059.09	2083.92	2108.75	2133.58
	S	5.8882	5.9042	5.9200	5.9356	5.9511	5.9663	5.9814	5.9962	6.0109
	V	3.2264	3.2677	3.3089	3.3501	3.3914	3.4326	3.4738	3.5150	3.5563
1300	H	1935.13	1959.96	1984.79	2009.62	2034.45	2059.28	2084.12	2108.95	2133.78
	S	5.8805	5.8965	5.9123	5.9280	5.9434	5.9586	5.9737	5.9885	6.0032
	V	3.1783	3.2190	3.2596	3.3002	3.3408	3.3814	3.4220	3.4626	3.5032
1320	H	1935.32	1960.15	1984.99	2009.82	2034.65	2059.48	2084.31	2109.14	2133.97
	S	5.8729	5.8889	5.9048	5.9204	5.9358	5.9510	5.9661	5.9810	5.9957
	V	3.1317	3.1717	3.2117	3.2517	3.2917	3.3317	3.3717	3.4117	3.4517
1340	H	1935.52	1960.35	1985.18	2010.01	2034.84	2059.67	2084.50	2109.33	2134.16
	S	5.8655	5.8815	5.8973	5.9129	5.9284	5.9436	5.9586	5.9735	5.9882
	V	3.0864	3.1258	3.1653	3.2047	3.2441	3.2835	3.3229	3.3623	3.401
1360	H	1935.71	1960.54	1985.37	2010.20	2035.03	2059.87	2084.70	2109.53	2134.3
	S	5.8581	5.8741	5.8900	5.9056	5.9210	5.9362	5.9513	5.9662	5.9809
	V	3.0425	3.0813	3.1202	3.1590	3.1978	3.2367	3.2755	3.3144	3.3532
1380	H	1935.90	1960.73	1985.56	2010.40	2035.23	2060.06	2084.89	2109.72	2134.55
	S	5.8509	5.8669	5.8827	5.8983	5.9138	5.9290	5.9441	5.9589	5.9736
	V	2.9998	3.0381	3.0763	3.1146	3.1529	3.1912	3.2295	3.2678	3.3061
1400	H	1936.09	1960.93	1985.76	2010.59	2035.42	2060.25	2085.08	2109.91	2134.75
	S	5.8437	5.8598	5.8756	5.8912	5.9066	5.9219	5.9369	5.9518	5.9665
	V	2.8982	2.9351	2.9721	3.0091	3.0460	3.0830	3.1200	3.1569	3.1939
1450	H	1936.57	1961.41	1986.24	2011.07	2035.90	2060.73	2085.57	2110.40	2135.23
	S	5.8263	5.8424	5.8582	5.8738	5.8892	5.9055	5.9195	5.9344	5.9491

PRESSURE PSIA		TEMPÉRATURE								
		1080	1100	1120	1140	1160	1180	1200	1220	1240
1500	V	2.8033	2.8391	2.8748	2.9105	2.9463	2.9820	3.0177	3.0535	3.0892
	H	1937.05	1961.89	1986.72	2011.55	2036.39	2061.22	2086.05	2110.88	2135.71
	S	5.8095	5.8255	5.8414	5.8570	5.8724	5.8877	5.9027	5.9176	5.9323
1550	V	2.7146	2.7492	2.7838	2.8184	2.8529	2.8875	2.9221	2.9567	2.9913
	H	1937.53	1962.37	1987.20	2012.03	2036.87	2061.70	2086.53	2111.36	2136.20
	S	5.7933	5.8093	5.8251	5.8407	5.8562	5.8714	5.8864	5.9013	5.9160
1600	V	2.6314	2.6649	2.6984	2.7319	2.7654	2.7989	2.8325	2.8660	2.8995
	H	1938.01	1962.85	1987.68	2012.51	2037.35	2062.18	2087.01	2111.85	2136.68
	S	5.7775	5.7935	5.8094	5.8250	5.8404	5.8556	5.8707	5.8856	5.9003
1650	V	2.5533	2.5858	2.6183	2.6508	2.6832	2.7157	2.7482	2.7807	2.8132
	H	1938.49	1963.33	1988.16	2012.99	2037.83	2062.66	2087.49	2112.33	2137.16
	S	5.7622	5.7783	5.7941	5.8097	5.8251	5.8404	5.8554	5.8703	5.8850
1700	V	2.4797	2.5113	2.5428	2.5743	2.6059	2.6374	2.6690	2.7005	2.7320
	H	1938.97	1963.81	1988.64	2013.47	2038.31	2063.14	2087.98	2112.81	2137.64
	S	5.7474	5.7635	5.7793	5.7949	5.8103	5.8256	5.8406	5.8555	5.8702
1750	V	2.4104	2.4410	2.4717	2.5023	2.5329	2.5636	2.5942	2.6249	2.6555
	H	1939.45	1964.28	1989.12	2013.95	2038.79	2063.62	2088.46	2113.29	2138.12
	S	5.7331	5.7491	5.7649	5.7805	5.7960	5.8112	5.8263	5.8411	5.8558
1800	V	2.3449	2.3747	2.4045	2.4343	2.4640	2.4938	2.5236	2.5534	2.5832
	H	1939.93	1964.76	1989.60	2014.43	2039.27	2064.10	2088.94	2113.77	2138.60
	S	5.7191	5.7351	5.7509	5.7666	5.7820	5.7972	5.8123	5.8272	5.8419
1850	V	2.2829	2.3119	2.3409	2.3699	2.3989	2.4279	2.4568	2.4858	2.5148
	H	1940.40	1965.24	1990.07	2014.91	2039.75	2064.58	2089.42	2114.25	2139.08
	S	5.7055	5.7215	5.7373	5.7530	5.7684	5.7836	5.7987	5.8136	5.8283
1900	V	2.2242	2.2525	2.2807	2.3089	2.3371	2.3654	2.3936	2.4218	2.4500
	H	1940.88	1965.72	1990.55	2015.39	2040.22	2065.06	2089.89	2114.73	2139.56
	S	5.6923	5.7083	5.7241	5.7397	5.7552	5.7704	5.7855	5.8003	5.8150
1950	V	2.1686	2.1961	2.2236	2.2511	2.2786	2.3061	2.3336	2.3611	2.3885
	H	1941.35	1966.19	1991.03	2015.86	2040.70	2065.54	2090.37	2115.21	2140.04
	S	5.6794	5.6954	5.7112	5.7269	5.7423	5.7575	5.7726	5.7875	5.8022
2000	V	2.1157	2.1425	2.1693	2.1961	2.2229	2.2497	2.2765	2.3033	2.3302
	H	1941.83	1966.67	1991.50	2016.34	2041.18	2066.01	2090.85	2115.69	2140.52
	S	5.6668	5.6828	5.6987	5.7143	5.7297	5.7450	5.7600	5.7749	5.7896

PRESSURE PSIA	V	TEMPERATURE								
		1080	1100	1120	1140	1160	1180	1200	1220	1240
2200	V	1.9281	1.9525	1.9768	2.0012	2.0256	2.0500	2.0743	2.0987	2.1231
	H	1943.73	1968.57	1993.40	2018.24	2043.08	2067.92	2092.76	2117.60	2142.43
	S	5.6195	5.6356	5.6514	5.6670	5.6824	5.6977	5.7127	5.7276	5.7423
2400	V	1.7717	1.7941	1.8164	1.8388	1.8611	1.8835	1.9058	1.9282	1.9505
	H	1945.61	1970.46	1995.30	2020.14	2044.98	2069.82	2094.66	2119.50	2144.34
	S	5.5763	5.5924	5.6082	5.6238	5.6393	5.6545	5.6696	5.6844	5.6991
2600	V	1.6394	1.6601	1.6807	1.7013	1.7220	1.7426	1.7632	1.7839	1.8045
	H	1947.50	1972.34	1997.18	2022.03	2046.87	2071.71	2096.55	2121.39	2146.23
	S	5.5366	5.5527	5.5685	5.5841	5.5995	5.6148	5.6298	5.6447	5.6594
2800	V	1.5260	1.5452	1.5644	1.5835	1.6027	1.6218	1.6410	1.6602	1.6793
	H	1949.37	1974.22	1999.06	2023.91	2048.75	2073.59	2098.44	2123.28	2148.12
	S	5.4998	5.5159	5.5317	5.5473	5.5628	5.5780	5.5931	5.6079	5.6226
3000	V	1.4277	1.4456	1.4635	1.4814	1.4993	1.5172	1.5351	1.5529	1.5708
	H	1951.24	1976.08	2000.93	2025.78	2050.62	2075.47	2100.32	2125.16	2150.00
	S	5.4656	5.4816	5.4974	5.5131	5.5285	5.5438	5.5588	5.5737	5.5884
3500	V	1.2310	1.2464	1.2617	1.2771	1.2924	1.3078	1.3231	1.3384	1.3538
	H	1955.87	1980.72	2005.58	2030.43	2055.28	2080.13	2104.98	2129.83	2154.68
	S	5.3890	5.4050	5.4209	5.4365	5.4520	5.4672	5.4823	5.4972	5.5112
4000	V	1.0835	1.0969	1.1103	1.1238	1.1372	1.1506	1.1641	1.1775	1.1909
	H	1960.46	1985.32	2010.18	2035.03	2059.89	2084.75	2109.60	2134.46	2159.31
	S	5.3227	5.3387	5.3545	5.3702	5.3856	5.4009	5.4159	5.4308	5.4455
4500	V	0.9686	0.9806	0.9925	1.0045	1.0164	1.0284	1.0403	1.0523	1.0642
	H	1965.00	1989.87	2014.73	2039.60	2064.46	2089.32	2114.19	2139.05	2163.91
	S	5.2641	5.2801	5.2960	5.3116	5.3271	5.3423	5.3574	5.3723	5.3870
5000	V	0.8767	0.8875	0.8982	0.9090	0.9198	0.9305	0.9413	0.9520	0.9628
	H	1969.51	1994.38	2019.25	2044.12	2068.99	2093.86	2118.73	2143.59	2168.46
	S	5.2117	5.2277	5.2436	5.2592	5.2747	5.2899	5.3050	5.3199	5.3346
5500	V	0.8015	0.8113	0.8211	0.8308	0.8406	0.8504	0.8602	0.8700	0.8797
	H	1973.97	1998.85	2023.73	2048.60	2073.48	2098.35	2123.23	2148.10	2172.97
	S	5.1642	5.1803	5.1961	5.2118	5.2272	5.2425	5.2576	5.2725	5.2872
6000	V	0.7387	0.7477	0.7567	0.7657	0.7746	0.7836	0.7926	0.8016	0.8105
	H	1978.39	2003.28	2028.16	2053.05	2077.93	2102.81	2127.69	2152.57	2177.45
	S	5.1209	5.1369	5.1528	5.1684	5.1839	5.1992	5.2142	5.2291	5.2439

PRESSURE PSIA			TEMPERATURE								
			1260	1280	1300	1320	1340	1360	1380	1400	1420
14.696	V	313.4919	317.1372	320.7825	324.4278	328.0731	331.7184	335.3637	339.0089	342.6542	
	H	2145.96	2170.79	2195.61	2220.43	2245.25	2270.08	2294.90	2319.72	2344.54	
	S	8.2395	8.2539	8.2680	8.2821	8.2959	8.3097	8.3232	8.3366	8.3499	
16	V	287.9468	291.2950	294.6432	297.9914	301.3396	304.6878	308.0360	311.3842	314.7324	
	H	2145.98	2170.80	2195.62	2220.44	2245.27	2270.09	2294.91	2319.73	2344.55	
	S	8.1974	8.2117	8.2259	8.2399	8.2538	8.2675	8.2811	8.2945	8.3078	
20	V	230.3685	233.0470	235.7256	238.4041	241.0827	243.7613	246.4398	249.1184	251.7969	
	H	2146.02	2170.84	2195.66	2220.48	2245.31	2270.13	2294.95	2319.77	2344.59	
	S	8.0868	8.1011	8.1153	8.1293	8.1432	8.1569	8.1705	8.1839	8.1972	
24	V	191.9829	194.2150	196.4472	198.6793	200.9114	203.1436	205.3757	207.6078	209.8400	
	H	2146.06	2170.88	2195.70	2220.52	2245.35	2270.17	2294.99	2319.81	2344.63	
	S	7.9964	8.0108	8.0250	8.0390	8.0529	8.0666	8.0801	8.0936	8.1068	
28	V	164.5646	166.4779	168.3911	170.3044	172.2176	174.1309	176.0442	177.9574	179.8707	
	H	2146.10	2170.92	2195.74	2220.56	2245.39	2270.21	2295.03	2319.85	2344.67	
	S	7.9200	7.9344	7.9486	7.9626	7.9765	7.9902	8.0037	8.0172	8.0304	
32	V	144.0009	145.6750	147.3491	149.0232	150.6973	152.3714	154.0455	155.7196	157.3937	
	H	2146.14	2170.96	2195.78	2220.60	2245.43	2270.25	2295.07	2319.89	2344.71	
	S	7.8538	7.8682	7.8824	7.8964	7.9103	7.9240	7.9376	7.9510	7.9643	
36	V	128.0069	129.4950	130.9831	132.4712	133.9593	135.4474	136.9355	138.4236	139.9117	
	H	2146.18	2171.00	2195.82	2220.64	2245.47	2270.29	2295.11	2319.93	2344.75	
	S	7.7955	7.8098	7.8240	7.8380	7.8519	7.8656	7.8792	7.8926	7.9059	
40	V	115.2117	116.5510	117.8903	119.2296	120.5689	121.9081	123.2474	124.5867	125.9260	
	H	2146.22	2171.04	2195.86	2220.68	2245.51	2270.33	2295.15	2319.97	2344.79	
	S	7.7433	7.7576	7.7718	7.7858	7.7997	7.8134	7.8270	7.8404	7.8537	
44	V	104.7429	105.9605	107.1780	108.3955	109.6131	110.8306	112.0481	113.2657	114.4832	
	H	2146.26	2171.08	2195.90	2220.72	2245.55	2270.37	2295.19	2320.01	2344.83	
	S	7.6960	7.7104	7.7246	7.7386	7.7525	7.7662	7.7797	7.7932	7.8064	
48	V	96.0189	97.1350	98.2511	99.3671	100.4832	101.5993	102.7154	103.8314	104.9475	
	H	2146.30	2171.12	2195.94	2220.76	2245.59	2270.41	2295.23	2320.05	2344.87	
	S	7.6529	7.6672	7.6814	7.6955	7.7093	7.7230	7.7366	7.7500	7.7633	
52	V	88.6371	89.6673	90.6975	91.7278	92.7580	93.7882	94.8184	95.8486	96.8789	
	H	2146.34	2171.16	2195.98	2220.80	2245.63	2270.45	2295.27	2320.09	2344.91	
	S	7.6132	7.6276	7.6418	7.6558	7.6697	7.6834	7.6969	7.7104	7.7236	

PRESSURE PSIA	V	TEMPERATURE								
		1260	1280	1300	1320	1340	1360	1380	1400	1420
56	V	82.3098	83.2664	84.2231	85.1797	86.1363	87.0930	88.0496	89.0062	89.9629
	H	2146.38	2171.20	2196.02	2220.84	2245.67	2270.49	2295.31	2320.13	2344.95
	S	7.5765	7.5908	7.6050	7.6191	7.6329	7.6466	7.6602	7.6736	7.6869
60	V	76.8261	77.7190	78.6119	79.5047	80.3976	81.2904	82.1833	83.0762	83.9690
	H	2146.42	2171.24	2196.06	2220.88	2245.71	2270.53	2295.35	2320.17	2344.99
	S	7.5423	7.5567	7.5708	7.5849	7.5987	7.6125	7.6260	7.6394	7.6527
70	V	65.8588	66.6241	67.3895	68.1548	68.9201	69.6854	70.4507	71.2160	71.9813
	H	2146.52	2171.34	2196.16	2220.98	2245.81	2270.63	2295.45	2320.27	2345.09
	S	7.4659	7.4803	7.4944	7.5085	7.5223	7.5361	7.5496	7.5630	7.5763
80	V	57.6334	58.3030	58.9726	59.6423	60.3119	60.9816	61.6512	62.3209	62.9905
	H	2146.62	2171.44	2196.26	2221.08	2245.90	2270.73	2295.55	2320.37	2345.19
	S	7.3997	7.4141	7.4283	7.4423	7.4562	7.4699	7.4834	7.4969	7.5101
90	V	51.2358	51.8310	52.4262	53.0215	53.6167	54.2120	54.8072	55.4025	55.9977
	H	2146.71	2171.54	2196.36	2221.18	2246.00	2270.83	2295.65	2320.47	2345.29
	S	7.3414	7.3557	7.3699	7.3839	7.3978	7.4115	7.4251	7.4385	7.4518
100	V	46.1177	46.6534	47.1891	47.7248	48.2606	48.7963	49.3320	49.8677	50.4034
	H	2146.81	2171.64	2196.46	2221.28	2246.10	2270.93	2295.75	2320.57	2345.39
	S	7.2891	7.3035	7.3177	7.3317	7.3456	7.3593	7.3729	7.3863	7.3995
110	V	41.9302	42.4172	42.9042	43.3912	43.8782	44.3653	44.8523	45.3393	45.8263
	H	2146.91	2171.74	2196.56	2221.38	2246.20	2271.03	2295.85	2320.67	2345.49
	S	7.2419	7.2562	7.2704	7.2845	7.2983	7.3120	7.3256	7.3390	7.3523
120	V	38.4406	38.8870	39.3334	39.7799	40.2263	40.6727	41.1192	41.5656	42.0121
	H	2147.01	2171.84	2196.65	2221.48	2246.30	2271.13	2295.95	2320.77	2345.60
	S	7.1988	7.2131	7.2273	7.2413	7.2552	7.2689	7.2825	7.2959	7.3092
130	V	35.4878	35.8999	36.3120	36.7241	37.1362	37.5483	37.9604	38.3725	38.7846
	H	2147.11	2171.94	2196.76	2221.58	2246.40	2271.23	2296.05	2320.87	2345.70
	S	7.1591	7.1735	7.1876	7.2017	7.2155	7.2293	7.2428	7.2562	7.2695
140	V	32.9569	33.3396	33.7222	34.1049	34.4876	34.8702	35.2529	35.6355	36.0182
	H	2147.21	2172.04	2196.86	2221.68	2246.50	2271.33	2296.15	2320.97	2345.80
	S	7.1224	7.1367	7.1509	7.1649	7.1788	7.1925	7.2061	7.2195	7.2328
150	V	30.7634	31.1206	31.4778	31.8349	32.1921	32.5492	32.9064	33.2635	33.6207
	H	2147.31	2172.14	2196.96	2221.78	2246.60	2271.43	2296.25	2321.07	2345.90
	S	7.0882	7.1025	7.1167	7.1307	7.1446	7.1583	7.1719	7.1853	7.1986

PRESSURE PSIA		TEMPERATURE								1400	1420
		1260	1280	1300	1320	1340	1360	1380			
160	V	28.8442	29.1790	29.5138	29.8487	30.1835	30.5183	30.8532	31.1880	31.5228	
	H	2147.41	2172.24	2197.06	2221.88	2246.70	2271.53	2296.35	2321.17	2346.00	
	S	7.0562	7.0705	7.0847	7.0988	7.1126	7.1263	7.1399	7.1533	7.1666	
170	V	27.1507	27.4658	27.7810	28.0961	28.4112	28.7264	29.0415	29.3566	29.6718	
	H	2147.51	2172.34	2197.16	2221.98	2246.80	2271.63	2296.45	2321.27	2346.10	
	S	7.0261	7.0405	7.0547	7.0687	7.0826	7.0963	7.1099	7.1233	7.1366	
180	V	25.6454	25.9430	26.2406	26.5383	26.8359	27.1335	27.4311	27.7288	28.0264	
	H	2147.61	2172.44	2197.26	2222.08	2246.90	2271.73	2296.55	2321.37	2346.20	
	S	6.9978	7.0122	7.0264	7.0404	7.0543	7.0680	7.0815	7.0950	7.1082	
190	V	24.2985	24.5805	24.8624	25.1444	25.4264	25.7083	25.9903	26.2723	26.5542	
	H	2147.71	2172.53	2197.36	2222.18	2247.00	2271.83	2296.65	2321.47	2346.30	
	S	6.9710	6.9854	6.9996	7.0136	7.0275	7.0412	7.0547	7.0682	7.0814	
200	V	23.0863	23.3542	23.6221	23.8899	24.1578	24.4257	24.6935	24.9614	25.2293	
	H	2147.81	2172.63	2197.46	2222.28	2247.10	2271.93	2296.75	2321.57	2346.40	
	S	6.9456	6.9600	6.9741	6.9882	7.0020	7.0158	7.0293	7.0427	7.0560	
220	V	20.9926	21.2361	21.4796	21.7231	21.9666	22.2102	22.4537	22.6972	22.9407	
	H	2148.01	2172.83	2197.66	2222.48	2247.30	2272.13	2296.95	2321.77	2346.60	
	S	6.8984	6.9127	6.9269	6.9409	6.9548	6.9685	6.9821	6.9955	7.0088	
240	V	19.2478	19.4710	19.6942	19.9175	20.1407	20.3639	20.5871	20.8103	21.0336	
	H	2148.21	2173.03	2197.86	2222.68	2247.50	2272.33	2297.15	2321.97	2346.80	
	S	6.8552	6.8696	6.8838	6.8978	6.9117	6.9254	6.9390	6.9524	6.9657	
260	V	17.7714	17.9775	18.1835	18.3896	18.5956	18.8017	19.0077	19.2138	19.4198	
	H	2148.41	2173.23	2198.06	2222.88	2247.70	2272.53	2297.35	2322.17	2347.07	
	S	6.8156	6.8299	6.8441	6.8581	6.8720	6.8857	6.8993	6.9127	6.9260	
280	V	16.5060	16.6973	16.8886	17.0800	17.2713	17.4626	17.6540	17.8453	18.0366	
	H	2148.61	2173.43	2198.26	2223.08	2247.90	2272.73	2297.55	2322.37	2347.20	
	S	6.7788	6.7932	6.8074	6.8214	6.8353	6.8490	6.8626	6.8760	6.8893	
300	V	15.4092	15.5878	15.7664	15.9450	16.1236	16.3021	16.4807	16.6593	16.8379	
	H	2148.81	2173.63	2198.46	2223.28	2248.10	2272.93	2297.75	2322.57	2347.40	
	S	6.7446	6.7590	6.7732	6.7872	6.8011	6.8148	6.8284	6.8418	6.8551	
320	V	14.4496	14.6170	14.7844	14.9518	15.1193	15.2867	15.4541	15.6215	15.7889	
	H	2149.01	2173.83	2198.66	2223.48	2248.30	2273.13	2297.95	2322.77	2347.60	
	S	6.7127	6.7270	6.7412	6.7552	6.7691	6.7828	6.7964	6.8098	6.8231	

PRESSURE PSIA	V	TEMPERATURE								1400	1420
		1260	1280	1300	1320	1340	1360	1380			
340	V	13.6028	13.7604	13.9180	14.0756	14.2331	14.3907	14.5483	14.7059	14.8634	
	H	2149.21	2174.03	2198.86	2223.68	2248.50	2273.33	2298.15	2322.97	2347.80	
	S	6.6826	6.6970	6.7111	6.7252	6.7390	6.7528	6.7663	6.7797	6.7930	
360	V	12.8502	12.9990	13.1478	13.2966	13.4455	13.5943	13.7431	13.8919	14.0407	
	H	2149.41	2174.23	2199.06	2223.88	2248.70	2273.53	2298.35	2323.17	2348.00	
	S	6.6543	6.6686	6.6828	6.6968	6.7107	6.7244	6.7380	6.7514	6.7647	
380	V	12.1768	12.3177	12.4587	12.5997	12.7407	12.8817	13.0227	13.1637	13.3047	
	H	2149.61	2174.43	2199.26	2224.08	2248.90	2273.73	2298.55	2323.37	2348.20	
	S	6.6275	6.6418	6.6560	6.6700	6.6839	6.6976	6.7112	6.7246	6.7379	
400	V	11.5707	11.7046	11.8386	11.9725	12.1064	12.2404	12.3743	12.5082	12.6422	
	H	2149.81	2174.63	2199.46	2224.28	2249.10	2273.93	2298.75	2323.57	2348.40	
	S	6.6021	6.6164	6.6306	6.6446	6.6585	6.6722	6.6858	6.6992	6.7125	
420	V	11.0223	11.1499	11.2774	11.4050	11.5326	11.6601	11.7877	11.9152	12.0428	
	H	2150.01	2174.83	2199.65	2224.48	2249.30	2274.13	2298.95	2323.77	2348.60	
	S	6.5779	6.5922	6.6064	6.6204	6.6343	6.6480	6.6616	6.6750	6.6883	
440	V	10.5238	10.6456	10.7673	10.8891	11.0108	11.1326	11.2544	11.3761	11.4979	
	H	2150.21	2175.03	2199.85	2224.68	2249.50	2274.33	2299.15	2323.97	2348.80	
	S	6.5548	6.5692	6.5834	6.5974	6.6113	6.6250	6.6385	6.6520	6.6652	
460	V	10.0686	10.1851	10.3016	10.4180	10.5345	10.6510	10.7675	10.8839	11.0004	
	H	2150.41	2175.23	2200.05	2224.88	2249.70	2274.53	2299.35	2324.17	2349.00	
	S	6.5328	6.5471	6.5613	6.5754	6.5892	6.6029	6.6165	6.6299	6.6432	
480	V	9.6514	9.7630	9.8746	9.9863	10.0979	10.2095	10.3211	10.4327	10.5443	
	H	2150.61	2175.43	2200.25	2225.08	2249.90	2274.73	2299.55	2324.38	2349.20	
	S	6.5117	6.5260	6.5402	6.5543	6.5681	6.5818	6.5954	6.6088	6.6221	
500	V	9.2675	9.3747	9.4818	9.5890	9.6962	9.8033	9.9105	10.0176	10.1248	
	H	2150.81	2175.63	2200.45	2225.28	2250.10	2274.93	2299.75	2324.58	2349.40	
	S	6.4915	6.5058	6.5200	6.5340	6.5479	6.5616	6.5752	6.5886	6.6019	
520	V	8.9132	9.0162	9.1193	9.2223	9.3253	9.4284	9.5314	9.6344	9.7375	
	H	2151.01	2175.83	2200.65	2225.48	2250.30	2275.13	2299.95	2324.78	2349.60	
	S	6.4720	6.4864	6.5006	6.5146	6.5285	6.5422	6.5557	6.5692	6.5824	
540	V	8.5851	8.6844	8.7836	8.8828	8.9820	9.0812	9.1804	9.2797	9.3789	
	H	2151.21	2176.03	2200.85	2225.68	2250.50	2275.33	2300.15	2324.98	2349.80	
	S	6.4533	6.4677	6.4819	6.4959	6.5098	6.5225	6.5370	6.5505	6.5637	

PRESSURE PSIA		TEMPERATURE								
		1260	1280	1300	1320	1340	1360	1380	1400	1420
560	V	8.2805	8.3762	8.4718	8.5675	8.6632	8.7589	8.8545	8.9502	9.0459
	H	2151.40	2176.23	2201.05	2225.88	2250.70	2275.53	2300.35	2325.18	2350.00
	S	6.4353	6.4496	6.4638	6.4779	6.4917	6.5054	6.5190	6.5324	6.5457
580	V	7.9969	8.0892	8.1816	8.2740	8.3664	8.4587	8.5511	8.6435	8.7359
	H	2151.60	2176.43	2201.25	2226.08	2250.90	2275.73	2300.55	2325.38	2350.20
	S	6.4179	6.4322	6.4464	6.4605	6.4743	6.4881	6.5016	6.5150	6.5283
600	V	7.7321	7.8214	7.9107	8.0000	8.0893	8.1786	8.2679	8.3572	8.4465
	H	2151.80	2176.63	2201.45	2226.28	2251.10	2275.93	2300.75	2325.58	2350.40
	S	6.4011	6.4154	6.4296	6.4437	6.4575	6.4712	6.4848	6.4982	6.5115
620	V	7.4845	7.5709	7.6573	7.7437	7.8301	7.9166	8.0030	8.0894	8.1758
	H	2152.00	2176.83	2201.65	2226.48	2251.30	2276.13	2300.95	2325.78	2350.60
	S	6.3848	6.3992	6.4134	6.4274	6.4413	6.4550	6.4686	6.4820	6.4953
640	V	7.2523	7.3360	7.4197	7.5035	7.5872	7.6709	7.7546	7.8383	7.9220
	H	2152.20	2177.03	2201.85	2226.68	2251.50	2276.33	2301.15	2325.98	2350.80
	S	6.3691	6.3835	6.3976	6.4117	6.4255	6.4393	6.4528	6.4662	6.4795
660	V	7.0342	7.1154	7.1966	7.2777	7.3589	7.4401	7.5213	7.6025	7.6836
	H	2152.40	2177.23	2202.05	2226.88	2251.70	2276.53	2301.35	2326.18	2351.00
	S	6.3539	6.3682	6.3824	6.3964	6.4103	6.4240	6.4376	6.4510	6.4643
680	V	6.8289	6.9077	6.9865	7.0653	7.1441	7.2229	7.3017	7.3805	7.4593
	H	2152.60	2177.43	2202.25	2227.08	2251.90	2276.73	2301.55	2326.38	2351.20
	S	6.3391	6.3534	6.3676	6.3816	6.3955	6.4092	6.4228	6.4362	6.4495
700	V	6.6354	6.7119	6.7885	6.8650	6.9416	7.0181	7.0946	7.1712	7.2477
	H	2152.80	2177.63	2202.45	2227.28	2252.10	2276.93	2301.75	2326.58	2351.40
	S	6.3247	6.3390	6.3532	6.3673	6.3811	6.3948	6.4084	6.4218	6.4351
720	V	6.4526	6.5270	6.6014	6.6759	6.7503	6.8247	6.8991	6.9735	7.0479
	H	2153.00	2177.83	2202.65	2227.48	2252.30	2277.13	2301.95	2326.78	2351.60
	S	6.3107	6.3251	6.3393	6.3533	6.3672	6.3809	6.3945	6.4079	6.4211
740	V	6.2797	6.3521	6.4245	6.4969	6.5693	6.6417	6.7141	6.7865	6.8589
	H	2153.20	2178.03	2202.85	2227.68	2252.50	2277.33	2302.15	2326.98	2351.80
	S	6.2971	6.3115	6.3257	6.3397	6.3536	6.3673	6.3809	6.3943	6.4076
760	V	6.1159	6.1864	6.2569	6.3274	6.3979	6.4684	6.5389	6.6094	6.6799
	H	2153.40	2178.23	2203.05	2227.88	2252.70	2277.53	2302.35	2327.18	2352.00
	S	6.2839	6.2983	6.3125	6.3265	6.340+	6.3541	6.3677	6.3811	6.3944

PRESSURE PSIA		TEMPERATURE								
		1260	1280	1300	1320	1340	1360	1380	1400	1420
780	V	5.9605	6.0292	6.0979	6.1666	6.2353	6.3040	6.3726	6.4413	6.5100
	H	2153.60	2178.43	2203.25	2228.08	2252.90	2277.73	2302.56	2327.38	2352.21
	S	6.2711	6.2854	6.2996	6.3136	6.3275	6.3412	6.3548	6.3682	6.3815
800	V	5.8129	5.8798	5.9468	6.0138	6.0808	6.1477	6.2147	6.2817	6.3487
	H	2153.80	2178.63	2203.45	2228.28	2253.10	2277.93	2302.76	2327.58	2352.41
	S	6.2585	6.2729	6.2870	6.3011	6.3149	6.3287	6.3422	6.3557	6.3689
820	V	5.6724	5.7378	5.8031	5.8684	5.9338	5.9991	6.0645	6.1298	6.1952
	H	2154.00	2178.83	2203.65	2228.48	2253.31	2278.13	2302.96	2327.78	2352.61
	S	6.2463	6.2606	6.2748	6.2888	6.3027	6.3164	6.3300	6.3434	6.3567
840	V	5.5387	5.6025	5.6662	5.7300	5.7938	5.8576	5.9214	5.9852	6.0490
	H	2154.20	2179.03	2203.85	2228.68	2253.51	2278.33	2303.16	2327.98	2352.81
	S	6.2343	6.2487	6.2629	6.2769	6.2908	6.3045	6.3180	6.3315	6.3447
860	V	5.4106	5.4729	5.5358	5.5981	5.6604	5.7227	5.7850	5.8473	5.9096
	H	2154.31	2179.14	2204.05	2228.88	2253.71	2278.53	2303.36	2328.18	2353.01
	S	6.2226	6.2370	6.2512	6.2652	6.2791	6.2928	6.3064	6.3198	6.3331
880	V	5.2889	5.3497	5.4106	5.4715	5.5330	5.5939	5.6547	5.7156	5.7765
	H	2154.51	2179.34	2204.16	2228.99	2253.91	2278.73	2303.56	2328.38	2353.21
	S	6.2112	6.2256	6.2398	6.2538	6.2677	6.2814	6.2950	6.3084	6.3211
900	V	5.1725	5.2321	5.2916	5.3511	5.4107	5.4702	5.5303	5.5898	5.6494
	H	2154.71	2179.53	2204.36	2229.19	2254.01	2278.84	2303.76	2328.58	2353.41
	S	6.2001	6.2144	6.2286	6.2426	6.2565	6.2702	6.2839	6.2973	6.3106
920	V	5.0612	5.1195	5.1777	5.2360	5.2942	5.3525	5.4107	5.4690	5.5210
	H	2154.90	2179.73	2204.56	2229.38	2254.21	2279.04	2303.86	2328.69	2353.61
	S	6.1892	6.2035	6.2177	6.2317	6.2456	6.2593	6.2729	6.2863	6.2997
940	V	4.9547	5.0117	5.0687	5.1257	5.1827	5.2397	5.2968	5.3538	5.4108
	H	2155.10	2179.92	2204.75	2229.58	2254.41	2279.23	2304.06	2328.89	2353.71
	S	6.1785	6.1929	6.2071	6.2211	6.2350	6.2487	6.2622	6.2757	6.2889
960	V	4.8526	4.9084	4.9643	5.0201	5.0759	5.1317	5.1875	5.2434	5.2992
	H	2155.29	2180.12	2204.95	2229.77	2254.60	2279.43	2304.26	2329.08	2353.91
	S	6.1681	6.1824	6.1966	6.2106	6.2245	6.2382	6.2518	6.2652	6.2785
980	V	4.7547	4.8094	4.8640	4.9187	4.9734	5.0281	5.0828	5.1374	5.1921
	H	2155.49	2180.32	2205.14	2229.97	2254.80	2279.63	2304.45	2329.28	2354.11
	S	6.1579	6.1722	6.1864	6.2004	6.2143	6.2280	6.2416	6.2550	6.2683

PRESSURE PSIA			TEMPERATURE								
			1260	1280	1300	1320	1340	1360	1380	1400	1420
1000	V		4.6607	4.7142	4.7678	4.8214	4.8750	4.9286	4.9822	5.0358	5.0894
	H		2155.68	2180.51	2205.34	2230.17	2254.99	2279.82	2304.65	2329.48	2354.30
	S		6.1478	6.1622	6.1764	6.1904	6.2043	6.2180	6.2316	6.2450	6.2583
1020	V		4.5703	4.6229	4.6754	4.7279	4.7805	4.8330	4.8856	4.9381	4.9906
	H		2155.88	2180.71	2205.53	2230.36	2255.19	2280.02	2304.84	2329.67	2354.50
	S		6.1380	6.1524	6.1666	6.1806	6.1945	6.2082	6.2218	6.2352	6.2485
1040	V		4.4835	4.5350	4.5865	4.6381	4.6896	4.7411	4.7926	4.8442	4.8957
	H		2156.07	2180.90	2205.73	2230.56	2255.39	2280.21	2305.04	2329.87	2354.69
	S		6.1284	6.1427	6.1569	6.1710	6.1848	6.1986	6.2121	6.2256	6.2388
1060	V		4.3999	4.4504	4.5010	4.5516	4.6021	4.6527	4.7032	4.7538	4.8043
	H		2156.27	2181.10	2205.93	2230.75	2255.58	2280.41	2305.24	2330.06	2354.89
	S		6.1189	6.1333	6.1475	6.1615	6.1754	6.1891	6.2027	6.2161	6.2294
1080	V		4.3194	4.3690	4.4187	4.4683	4.5179	4.5675	4.6171	4.6668	4.7164
	H		2156.46	2181.29	2206.12	2230.95	2255.78	2280.60	2305.43	2330.26	2355.09
	S		6.1097	6.1240	6.1382	6.1523	6.1661	6.1798	6.1934	6.2068	6.2201
1100	V		4.2418	4.2906	4.3393	4.3880	4.4367	4.4854	4.5342	4.5829	4.6316
	H		2156.66	2181.49	2206.32	2231.14	2255.97	2280.80	2305.63	2330.46	2355.28
	S		6.1006	6.1149	6.1291	6.1432	6.1570	6.1708	6.1843	6.1977	6.2110
1120	V		4.1671	4.2149	4.2628	4.3106	4.3585	4.4063	4.4542	4.5020	4.5499
	H		2156.85	2181.68	2206.51	2231.34	2256.17	2281.00	2305.82	2330.65	2355.48
	S		6.0917	6.1060	6.1202	6.1342	6.1481	6.1618	6.1754	6.1888	6.2021
1140	V		4.0949	4.1419	4.1889	4.2359	4.2829	4.3299	4.3770	4.4240	4.4710
	H		2157.05	2181.88	2206.71	2231.53	2256.36	2281.19	2306.02	2330.85	2355.67
	S		6.0829	6.0972	6.1114	6.1255	6.1393	6.1530	6.1666	6.1800	6.1933
1160	V		4.0252	4.0714	4.1176	4.1638	4.2100	4.2562	4.3024	4.3486	4.3948
	H		2157.24	2182.07	2206.90	2231.73	2256.56	2281.39	2306.21	2331.04	2355.87
	S		6.0743	6.0886	6.1028	6.1168	6.1307	6.1444	6.1580	6.1714	6.1847
1180	V		3.9579	4.0033	4.0487	4.0942	4.1396	4.1850	4.2304	4.2758	4.3212
	H		2157.44	2182.27	2207.10	2231.93	2256.75	2281.58	2306.41	2331.24	2356.07
	S		6.0658	6.0801	6.0943	6.1084	6.1222	6.1359	6.1495	6.1629	6.1762
1200	V		3.8928	3.9375	3.9822	4.0268	4.0715	4.1161	4.1608	4.2055	4.2501
	H		2157.63	2182.46	2207.29	2232.12	2256.95	2281.78	2306.61	2331.43	2356.26
	S		6.0574	6.0718	6.0860	6.1000	6.1139	6.1276	6.1412	6.1546	6.1679

	PRESSURE PSIA	TEMPERATURE									
		1260	1280	1300	1320	1340	1360	1380	1400	1420	
1220	V	3.8299	3.8738	3.9178	3.9617	4.0056	4.0495	4.0935	4.1374	4.1813	
	H	2157.83	2182.66	2207.49	2232.32	2257.14	2281.97	2306.80	2331.63	2356.46	
	S	6.0492	6.0636	6.0778	6.0918	6.1057	6.1194	6.1330	6.1464	6.1597	
1240	V	3.7690	3.8122	3.8554	3.8987	3.9419	3.9851	4.0283	4.0715	4.1148	
	H	2158.02	2182.85	2207.68	2232.51	2257.34	2282.17	2307.00	2331.82	2356.65	
	S	6.0412	6.0555	6.0697	6.0838	6.0976	6.1114	6.1249	6.1383	6.1516	
1260	V	3.7100	3.7525	3.7951	3.8376	3.8802	3.9227	3.9652	4.0078	4.0503	
	H	2158.22	2183.05	2207.88	2232.70	2257.53	2282.36	2307.19	2332.02	2356.85	
	S	6.0333	6.0476	6.0618	6.0758	6.0897	6.1034	6.1170	6.1304	6.1437	
1280	V	3.6529	3.6947	3.7366	3.7785	3.8204	3.8622	3.9041	3.9460	3.9878	
	H	2158.41	2183.24	2208.07	2232.90	2257.73	2282.56	2307.39	2332.22	2357.04	
	S	6.0254	6.0398	6.0540	6.0680	6.0819	6.0956	6.1092	6.1226	6.1359	
1300	V	3.5975	3.6387	3.6800	3.7212	3.7624	3.8036	3.8449	3.8861	3.9273	
	H	2158.61	2183.44	2208.26	2233.09	2257.92	2282.75	2307.58	2332.41	2357.24	
	S	6.0178	6.0321	6.0463	6.0603	6.0742	6.0879	6.1015	6.1149	6.1282	
1320	V	3.5438	3.5844	3.6250	3.6656	3.7062	3.7468	3.7874	3.8280	3.8686	
	H	2158.80	2183.63	2208.46	2233.29	2258.12	2282.95	2307.78	2332.61	2357.43	
	S	6.0102	6.0245	6.0387	6.0528	6.0666	6.0804	6.0939	6.1074	6.1206	
1340	V	3.4917	3.5317	3.5717	3.6117	3.6517	3.6917	3.7317	3.7717	3.8117	
	H	2158.99	2183.82	2208.65	2233.48	2258.31	2283.14	2307.97	2332.80	2357.63	
	S	6.0027	6.0171	6.0313	6.0453	6.0592	6.0729	6.0865	6.0999	6.1132	
1360	V	3.4411	3.4806	3.5200	3.5594	3.5988	3.6382	3.6776	3.7170	3.7564	
	H	2159.19	2184.02	2208.85	2233.68	2258.51	2283.34	2308.17	2333.00	2357.82	
	S	5.9954	6.0097	6.0239	6.0380	6.0518	6.0656	6.0791	6.0925	6.1058	
1380	V	3.3920	3.4309	3.4697	3.5086	3.5474	3.5862	3.6251	3.6639	3.7028	
	H	2159.38	2184.21	2209.04	2233.87	2258.70	2283.53	2308.36	2333.19	2358.02	
	S	5.9881	6.0025	6.0167	6.0307	6.0446	6.0583	6.0719	6.0853	6.0986	
1400	V	3.3444	3.3826	3.4209	3.4592	3.4975	3.5358	3.5741	3.6123	3.6506	
	H	2159.58	2184.41	2209.24	2234.07	2258.90	2283.73	2308.56	2333.38	2358.21	
	S	5.9810	5.9954	6.0096	6.0236	6.0375	6.0512	6.0648	6.0782	6.0915	
1450	V	3.2309	3.2678	3.3048	3.3418	3.3787	3.4157	3.4527	3.4896	3.5266	
	H	2160.06	2184.89	2209.72	2234.55	2259.38	2284.21	2309.04	2333.87	2358.70	
	S	5.9636	5.9780	5.9922	6.0062	6.0201	6.0338	6.0474	6.0608	6.0741	

PRESSURE PSIA			TEMPERATURE								
			1260	1280	1300	1320	1340	1360	1380	1400	1420
1500	V		3.1250	3.1607	3.1964	3.2322	3.2679	3.3036	3.3394	3.3751	3.4108
	H		2160.54	2185.37	2210.21	2235.04	2259.87	2284.70	2309.53	2334.36	2359.19
	S		5.9468	5.9612	5.9753	5.9894	6.0033	6.0170	6.0305	6.0440	6.0572
1550	V		3.0259	3.0604	3.0950	3.1296	3.1642	3.1988	3.2334	3.2679	3.3025
	H		2161.03	2185.86	2210.69	2235.52	2260.35	2285.18	2310.01	2334.84	2359.67
	S		5.9305	5.9449	5.9591	5.9731	5.9870	6.0007	6.0143	6.0277	6.0410
1600	V		2.9330	2.9665	3.0000	3.0335	3.0670	3.1005	3.1340	3.1675	3.2010
	H		2161.51	2186.34	2211.17	2236.01	2260.84	2285.67	2310.50	2335.33	2360.16
	S		5.9148	5.9291	5.9433	5.9574	5.9712	5.9850	5.9985	6.0120	6.0252
1650	V		2.8457	2.8782	2.9107	2.9432	2.9757	3.0081	3.0406	3.0731	3.1056
	H		2161.99	2186.82	2211.66	2236.49	2261.32	2286.15	2310.98	2335.81	2360.64
	S		5.8995	5.9139	5.9281	5.9421	5.9560	5.9697	5.9833	5.9967	6.0100
1700	V		2.7636	2.7951	2.8266	2.8582	2.8897	2.9212	2.9528	2.9843	3.0158
	H		2162.47	2187.31	2212.14	2236.97	2261.80	2286.64	2311.47	2336.30	2361.13
	S		5.8847	5.8991	5.9133	5.9273	5.9412	5.9549	5.9685	5.9819	5.9952
1750	V		2.6861	2.7168	2.7474	2.7780	2.8087	2.8393	2.8699	2.9006	2.9312
	H		2162.96	2187.79	2212.62	2237.45	2262.29	2287.12	2311.95	2336.78	2361.61
	S		5.8703	5.8847	5.8989	5.9129	5.9268	5.9405	5.9541	5.9675	5.9808
1800	V		2.6130	2.6428	2.6725	2.7023	2.7321	2.7619	2.7917	2.8215	2.8512
	H		2163.44	2188.27	2213.10	2237.94	2262.77	2287.60	2312.43	2337.27	2362.10
	S		5.8564	5.8707	5.8849	5.8990	5.9128	5.9266	5.9401	5.9536	5.9668
1850	V		2.5438	2.5728	2.6017	2.6307	2.6597	2.6887	2.7177	2.7466	2.7756
	H		2163.92	2188.75	2213.59	2238.42	2263.25	2288.08	2312.92	2337.75	2362.58
	S		5.8428	5.8571	5.8713	5.8854	5.8992	5.9130	5.9265	5.9400	5.9532
1900	V		2.4782	2.5065	2.5347	2.5629	2.5911	2.6193	2.6475	2.6758	2.7040
	H		2164.40	2189.23	2214.07	2238.90	2263.73	2288.57	2313.40	2338.23	2363.06
	S		5.8296	5.8439	5.8581	5.8721	5.8860	5.8997	5.9133	5.9267	5.9400
1950	V		2.4160	2.4435	2.4710	2.4985	2.5260	2.5535	2.5810	2.6085	2.6360
	H		2164.88	2189.71	2214.55	2239.38	2264.21	2289.05	2313.88	2338.71	2363.55
	S		5.8167	5.8310	5.8452	5.8593	5.8731	5.8869	5.9004	5.9139	5.9271
2000	V		2.3570	2.3838	2.4106	2.4374	2.4642	2.4910	2.5178	2.5446	2.5714
	H		2165.36	2190.19	2215.03	2239.86	2264.70	2289.53	2314.36	2339.20	2364.03
	S		5.8041	5.8185	5.8327	5.8467	5.8606	5.8743	5.8879	5.9013	5.9146

PRESSURE PSIA	V	TEMPERATURE								1400	1420
		1260	1280	1300	1320	1340	1360	1380			
2200	V	2.1475	2.1719	2.1962	2.2206	2.2450	2.2693	2.2937	2.3181	2.3425	
	H	2167.27	2192.11	2216.94	2241.78	2266.61	2291.45	2316.28	2341.12	2365.95	
	S	5.7568	5.7712	5.7854	5.7994	5.8133	5.8270	5.8406	5.8540	5.8673	
2400	V	1.9729	1.9952	2.0176	2.0399	2.0623	2.0846	2.1070	2.1293	2.1516	
	H	2169.17	2194.01	2218.85	2243.69	2268.53	2293.36	2318.20	2343.04	2367.87	
	S	5.7137	5.7280	5.7422	5.7563	5.7701	5.7839	5.7974	5.8109	5.8241	
2600	V	1.8251	1.8458	1.8664	1.8870	1.9077	1.9283	1.9489	1.9695	1.9902	
	H	2171.07	2195.91	2220.75	2245.59	2270.43	2295.27	2320.11	2344.95	2369.78	
	S	5.6739	5.6883	5.7025	5.7165	5.7304	5.7441	5.7577	5.7712	5.7844	
2800	V	1.6985	1.7177	1.7368	1.7560	1.7751	1.7943	1.8134	1.8326	1.8518	
	H	2172.96	2197.81	2222.65	2247.49	2272.33	2297.17	2322.01	2346.85	2371.69	
	S	5.6372	5.6515	5.6657	5.6798	5.6936	5.7074	5.7209	5.7344	5.7477	
3000	V	1.5887	1.6066	1.6245	1.6424	1.6503	1.6781	1.6960	1.7139	1.7318	
	H	2174.85	2199.69	2224.54	2249.38	2274.22	2299.06	2323.90	2348.74	2373.59	
	S	5.6029	5.6173	5.6315	5.6455	5.6594	5.6731	5.6867	5.7001	5.7134	
3500	V	1.3691	1.3844	1.3998	1.4151	1.4304	1.4458	1.4611	1.4764	1.4918	
	H	2179.53	2204.38	2229.23	2254.07	2278.92	2303.77	2328.61	2353.46	2378.30	
	S	5.5264	5.5408	5.5550	5.5690	5.5829	5.5956	5.6102	5.6236	5.6362	
4000	V	1.2043	1.2178	1.2312	1.2446	1.2580	1.2715	1.2849	1.2983	1.3117	
	H	2184.17	2209.02	2233.87	2258.73	2283.58	2308.43	2333.28	2358.13	2382.98	
	S	5.4601	5.4744	5.4886	5.5027	5.5166	5.5303	5.5439	5.5573	5.5706	
4500	V	1.0761	1.0881	1.1000	1.1120	1.1239	1.1358	1.1478	1.1597	1.1716	
	H	2188.77	2213.63	2238.48	2263.34	2288.20	2313.05	2337.91	2362.76	2387.67	
	S	5.4015	5.4159	5.4301	5.4442	5.4580	5.4718	5.4854	5.4988	5.5121	
5000	V	0.9735	0.9843	0.9950	1.0058	1.0165	1.0273	1.0380	1.0488	1.0595	
	H	2193.33	2218.19	2243.05	2267.92	2292.78	2317.64	2342.50	2367.36	2392.22	
	S	5.3491	5.3635	5.3777	5.3918	5.4057	5.4194	5.4330	5.4464	5.4597	
5500	V	0.8895	0.8993	0.9091	0.9189	0.9286	0.9384	0.9482	0.9580	0.9677	
	H	2197.84	2222.71	2247.58	2272.45	2297.32	2322.19	2347.05	2371.92	2396.78	
	S	5.3017	5.3161	5.3303	5.3444	5.3583	5.3720	5.3856	5.3990	5.4123	
6000	V	0.8195	0.8285	0.8374	0.8464	0.8554	0.8643	0.8733	0.8823	0.8912	
	H	2202.33	2227.20	2252.08	2276.95	2301.83	2326.70	2351.57	2376.44	2401.31	
	S	5.2584	5.2728	5.2870	5.3011	5.3151	5.3287	5.3423	5.3558	5.3691	

PRESSURE PSIA		TEMPERATURE									
		1440	1460	1480	1500	1520	1540	1560	1580	1600	
14.696	V	346.2995	349.9448	353.5901	357.2354	360.8806	364.5259	368.1712	371.8165	375.4618	
	H	2369.36	2394.19	2419.01	2443.83	2468.65	2493.47	2518.30	2543.12	2567.94	
	S	8.3631	8.3760	8.3889	8.4016	8.4142	8.4267	8.4391	8.4513	8.4634	
16	V	318.0806	321.4288	324.7770	328.1252	331.4734	334.8216	338.1697	341.5179	344.8661	
	H	2369.38	2394.20	2419.02	2443.84	2468.67	2493.49	2518.31	2543.13	2567.95	
	S	8.3209	8.3339	8.3468	8.3595	8.3721	8.3846	8.3969	8.4092	8.4213	
20	V	254.4755	257.1540	259.8326	262.5112	265.1897	267.8683	270.5468	273.2254	275.9039	
	H	2369.42	2394.24	2419.06	2443.88	2468.71	2493.53	2518.35	2543.17	2567.99	
	S	8.2103	8.2233	8.2362	8.2489	8.2615	8.2740	8.2863	8.2986	8.3107	
24	V	212.0721	214.3042	216.5364	218.7685	221.0006	223.2327	225.4649	227.6970	229.9291	
	H	2369.46	2394.28	2419.10	2443.92	2468.75	2493.57	2518.39	2543.21	2568.03	
	S	8.1200	8.1330	8.1458	8.1586	8.1712	8.1836	8.1960	8.2082	8.2203	
28	V	181.7839	183.6972	185.6105	187.5237	189.4370	191.3502	193.2635	195.1767	197.0900	
	H	2369.50	2394.32	2419.14	2443.96	2468.79	2493.61	2518.43	2543.25	2568.07	
	S	8.0436	8.0566	8.0694	8.0822	8.0948	8.1072	8.1196	8.1318	8.1439	
32	V	159.0678	160.7419	162.4160	164.0901	165.7642	167.4383	169.1124	170.7865	172.4606	
	H	2369.54	2394.36	2419.18	2444.00	2468.83	2493.65	2518.47	2543.29	2568.11	
	S	7.9774	7.9904	8.0033	8.0160	8.0286	8.0411	8.0534	8.0656	8.0778	
36	V	141.3997	142.8878	144.3759	145.8640	147.3521	148.8402	150.3283	151.8164	153.3045	
	H	2369.58	2394.40	2419.22	2444.04	2468.87	2493.69	2518.51	2543.33	2568.15	
	S	7.9190	7.9320	7.9449	7.9576	7.9702	7.9827	7.9950	8.0073	8.0194	
40	V	127.2653	128.6046	129.9438	131.2831	132.6224	133.9617	135.3010	136.6403	137.9795	
	H	2369.62	2394.44	2419.26	2444.08	2468.91	2493.73	2518.55	2543.37	2568.21	
	S	7.8668	7.8798	7.8927	7.9054	7.9180	7.9305	7.9428	7.9551	7.9672	
44	V	115.7007	116.9183	118.1358	119.3533	120.5708	121.7884	123.0059	124.2234	125.4410	
	H	2369.66	2394.48	2419.30	2444.12	2468.95	2493.77	2518.59	2543.41	2568.24	
	S	7.8196	7.8326	7.8454	7.8582	7.8708	7.8832	7.8956	7.9078	7.9199	
48	V	106.0636	107.1797	108.2957	109.4118	110.5279	111.6439	112.7600	113.8761	114.9921	
	H	2369.70	2394.52	2419.34	2444.16	2468.99	2493.81	2518.63	2543.45	2568.28	
	S	7.7764	7.7894	7.8023	7.8150	7.8276	7.8401	7.8525	7.8647	7.8768	
52	V	97.9091	98.9393	99.9695	100.9997	102.0300	103.0602	104.0904	105.1206	106.1508	
	H	2369.74	2394.56	2419.38	2444.20	2469.03	2493.85	2518.67	2543.49	2568.32	
	S	7.7368	7.7498	7.7626	7.7754	7.7380	7.8004	7.8128	7.8250	7.8371	

	PRESSURE PSIA	TEMPERATURE									
		1440	1460	1480	1500	1520	1540	1560	1580	1600	
56	V	90.9195	91.8761	92.8328	93.7894	94.7460	95.7027	96.6593	97.6159	98.5726	
	H	2369.78	2394.60	2419.42	2444.24	2469.07	2493.89	2518.71	2543.53	2568.36	
	S	7.7000	7.7130	7.7259	7.7386	7.7512	7.7637	7.7761	7.7883	7.8004	
60	V	84.8619	85.7547	86.6476	87.5405	88.4333	89.3262	90.2190	91.1119	92.0048	
	H	2369.82	2394.64	2419.46	2444.28	2469.11	2493.93	2518.75	2543.57	2568.40	
	S	7.6659	7.6789	7.6917	7.7044	7.7170	7.7295	7.7419	7.7541	7.7662	
70	V	72.7466	73.5119	74.2772	75.0426	75.8079	76.5732	77.3385	78.1038	78.8691	
	H	2369.92	2394.74	2419.56	2444.38	2469.21	2494.03	2518.85	2543.67	2568.50	
	S	7.5895	7.6025	7.6153	7.6280	7.6406	7.6531	7.6655	7.6777	7.6898	
80	V	63.6602	64.3298	64.9995	65.6691	66.3388	67.0084	67.6781	68.3477	69.0174	
	H	2370.02	2394.84	2419.66	2444.48	2469.31	2494.13	2518.95	2543.77	2568.60	
	S	7.5233	7.5363	7.5491	7.5619	7.5745	7.5869	7.5993	7.6115	7.6236	
90	V	56.5930	57.1882	57.7834	58.3787	58.9739	59.5692	60.1644	60.7596	61.3549	
	H	2370.12	2394.94	2419.76	2444.58	2469.41	2494.23	2519.05	2543.87	2568.70	
	S	7.4649	7.4779	7.4908	7.5035	7.5161	7.5286	7.5409	7.5532	7.5653	
100	V	50.9392	51.4749	52.0106	52.5463	53.0820	53.6178	54.1535	54.6892	55.2249	
	H	2370.22	2395.04	2419.86	2444.68	2469.51	2494.33	2519.15	2543.97	2568.80	
	S	7.4127	7.4257	7.4385	7.4513	7.4639	7.4764	7.4887	7.5009	7.5130	
110	V	46.3133	46.8004	47.2874	47.7744	48.2614	48.7484	49.2355	49.7225	50.2095	
	H	2370.32	2395.14	2419.96	2444.79	2469.61	2494.43	2519.25	2544.08	2568.90	
	S	7.3654	7.3784	7.3913	7.4040	7.4166	7.4291	7.4415	7.4537	7.4658	
120	V	42.4585	42.9049	43.3514	43.7978	44.2442	44.6907	45.1371	45.5835	46.0300	
	H	2370.42	2395.24	2420.06	2444.89	2469.71	2494.53	2519.35	2544.18	2569.00	
	S	7.3223	7.3353	7.3482	7.3609	7.3735	7.3860	7.3983	7.4106	7.4227	
130	V	39.1967	39.6088	40.0209	40.4330	40.8451	41.2572	41.6692	42.0813	42.4934	
	H	2370.52	2395.34	2420.16	2444.99	2469.81	2494.63	2519.45	2544.28	2569.10	
	S	7.2827	7.2957	7.3085	7.3212	7.3338	7.3463	7.3587	7.3709	7.3830	
140	V	36.4009	36.7835	37.1662	37.5488	37.9315	38.3142	38.6968	39.0795	39.4621	
	H	2370.62	2395.44	2420.26	2445.09	2469.91	2494.73	2519.55	2544.38	2569.20	
	S	7.2459	7.2589	7.2718	7.2845	7.2971	7.3096	7.3219	7.3342	7.3463	
150	V	33.9778	34.3350	34.6921	35.0493	35.4064	35.7636	36.1207	36.4779	36.8350	
	H	2370.72	2395.54	2420.36	2445.19	2470.01	2494.83	2519.65	2544.48	2569.30	
	S	7.2117	7.2247	7.2376	7.2503	7.2629	7.2754	7.2878	7.3000	7.3121	

PRESSURE PSIA			TEMPERATURE								
			1440	1460	1480	1500	1520	1540	1560	1580	1600
160	V	31.8576	32.1925	32.5273	32.8621	33.1970	33.5318	33.8666	34.2014	34.5363	
	H	2370.82	2395.64	2420.46	2445.29	2470.11	2494.93	2519.75	2544.58	2569.40	
	S	7.1797	7.1927	7.2056	7.2183	7.2309	7.2434	7.2558	7.2680	7.2801	
170	V	29.9869	30.3020	30.6172	30.9323	31.2474	31.5626	31.8777	32.1928	32.5080	
	H	2370.92	2395.74	2420.56	2445.39	2470.21	2495.03	2519.85	2544.68	2569.50	
	S	7.1497	7.1627	7.1756	7.1883	7.2009	7.2134	7.2257	7.2380	7.2501	
180	V	28.3240	28.6216	28.9193	29.2169	29.5145	29.8122	30.1098	30.4074	30.7050	
	H	2371.02	2395.84	2420.66	2445.49	2470.31	2495.13	2519.95	2544.78	2569.60	
	S	7.1214	7.1344	7.1472	7.1600	7.1726	7.1850	7.1974	7.2096	7.2217	
190	V	26.8362	27.1181	27.4001	27.6821	27.9640	28.2460	28.5280	28.8099	29.0919	
	H	2371.12	2395.94	2420.76	2445.59	2470.41	2495.23	2520.06	2544.88	2569.70	
	S	7.0946	7.1076	7.1204	7.1332	7.1458	7.1582	7.1706	7.1828	7.1949	
200	V	25.4971	25.7650	26.0329	26.3007	26.5686	26.8365	27.1043	27.3722	27.6400	
	H	2371.22	2396.04	2420.86	2445.69	2470.51	2495.33	2520.16	2544.98	2569.80	
	S	7.0692	7.0821	7.0950	7.1077	7.1203	7.1328	7.1452	7.1574	7.1695	
220	V	23.1842	23.4277	23.6712	23.9148	24.1583	24.4018	24.6453	24.8888	25.1323	
	H	2371.42	2396.24	2421.06	2445.89	2470.71	2495.53	2520.36	2545.18	2570.00	
	S	7.0219	7.0349	7.0478	7.0605	7.0731	7.0856	7.0979	7.1102	7.1223	
240	V	21.2568	21.4800	21.7032	21.9265	22.1497	22.3729	22.5961	22.8193	23.0426	
	H	2371.62	2396.44	2421.27	2446.09	2470.91	2495.73	2520.56	2545.38	2570.20	
	S	6.9788	6.9918	7.0047	7.0174	7.0300	7.0425	7.0548	7.0670	7.0792	
260	V	19.6259	19.8319	20.0380	20.2440	20.4501	20.6562	20.8622	21.0683	21.2743	
	H	2371.82	2396.64	2421.47	2446.29	2471.11	2495.93	2520.76	2545.58	2570.40	
	S	6.9391	6.9521	6.9650	6.9777	6.9903	7.0028	7.0151	7.0274	7.0395	
280	V	18.2280	18.4193	18.6106	18.8020	18.9933	19.1847	19.3760	19.5673	19.7587	
	H	2372.02	2396.84	2421.67	2446.49	2471.31	2496.14	2520.96	2545.78	2570.60	
	S	6.9024	6.9154	6.9283	6.9410	6.9536	6.9661	6.9784	6.9906	7.0028	
300	V	17.0165	17.1950	17.3736	17.5522	17.7308	17.9094	18.0879	18.2665	18.4451	
	H	2372.22	2397.04	2421.87	2446.69	2471.51	2496.34	2521.16	2545.98	2570.81	
	S	6.8682	6.8812	6.8941	6.9068	6.9194	6.9319	6.9442	6.9564	6.9686	
320	V	15.9564	16.1238	16.2912	16.4586	16.6260	16.7935	16.9609	17.1283	17.2957	
	H	2372.42	2397.24	2422.07	2446.89	2471.71	2496.54	2521.36	2546.18	2571.01	
	S	6.8362	6.8492	6.8621	6.8748	6.8874	6.8999	6.9122	6.9245	6.9366	

	PRESSURE PSIA	TEMPERATURE								
		1440	1460	1480	1500	1520	1540	1560	1580	1600
340	V	15.0210	15.1786	15.3361	15.4937	15.6513	15.8089	15.9664	16.1240	16.2816
	H	2372.62	2397.44	2422.27	2447.09	2471.91	2496.74	2521.56	2546.38	2571.21
	S	6.8062	6.8192	6.8320	6.8448	6.8574	6.8698	6.8822	6.8944	6.9065
360	V	14.1896	14.3384	14.4872	14.6360	14.7848	14.9337	15.0825	15.2313	15.3801
	H	2372.82	2397.64	2422.47	2447.29	2472.11	2496.94	2521.76	2546.58	2571.41
	S	6.7778	6.7908	6.8037	6.8164	6.8290	6.8415	6.8539	6.8661	6.8782
380	V	13.4456	13.5866	13.7276	13.8686	14.0096	14.1506	14.2916	14.4325	14.5735
	H	2373.02	2397.84	2422.67	2447.49	2472.32	2497.14	2521.96	2546.79	2571.61
	S	6.7510	6.7640	6.7769	6.7896	6.8022	6.8147	6.8271	6.8393	6.8514
400	V	12.7761	12.9101	13.0440	13.1779	13.3119	13.4458	13.5797	13.7137	13.8476
	H	2373.22	2398.05	2422.87	2447.69	2472.52	2497.34	2522.16	2546.99	2571.81
	S	6.7256	6.7386	6.7515	6.7642	6.7768	6.7893	6.8016	6.8139	6.8260
420	V	12.1704	12.2979	12.4255	12.5530	12.6806	12.8082	12.9357	13.0633	13.1908
	H	2373.42	2398.25	2423.07	2447.89	2472.72	2497.54	2522.36	2547.19	2572.01
	S	6.7014	6.7144	6.7273	6.7400	6.7526	6.7651	6.7775	6.7897	6.8018
440	V	11.6197	11.7414	11.8632	11.9849	12.1067	12.2285	12.3502	12.4720	12.5938
	H	2373.62	2398.45	2423.27	2448.09	2472.92	2497.74	2522.56	2547.39	2572.21
	S	6.6784	6.6914	6.7042	6.7170	6.7296	6.7420	6.7544	6.7666	6.7787
460	V	11.1169	11.2333	11.3498	11.4663	11.5827	11.6992	11.8157	11.9321	12.0486
	H	2373.82	2398.65	2423.47	2448.29	2473.12	2497.94	2522.77	2547.59	2572.41
	S	6.6563	6.6693	6.6822	6.6949	6.7075	6.7200	6.7324	6.7446	6.7567
480	V	10.6560	10.7676	10.8792	10.9908	11.1024	11.2140	11.3256	11.4373	11.5481
	H	2374.02	2398.85	2423.67	2448.49	2473.32	2498.14	2522.97	2547.79	2572.61
	S	6.6352	6.6482	6.6611	6.6738	6.6864	6.6989	6.7113	6.7235	6.7356
500	V	10.2319	10.3391	10.4462	10.5534	10.6605	10.7677	10.8748	10.9820	11.0891
	H	2374.22	2399.05	2423.87	2448.70	2473.52	2498.34	2523.17	2547.99	2572.81
	S	6.6150	6.6280	6.6409	6.6536	6.6662	6.6787	6.6910	6.7033	6.7154
520	V	9.8405	9.9435	10.0466	10.1496	10.2526	10.3557	10.4587	10.5617	10.6647
	H	2374.42	2399.25	2424.07	2448.90	2473.72	2498.54	2523.37	2548.19	2573.02
	S	6.5956	6.6086	6.6214	6.6342	6.6468	6.6593	6.6716	6.6838	6.6959
540	V	9.4781	9.5773	9.6765	9.7757	9.8749	9.9742	10.0734	10.1726	10.2718
	H	2374.62	2399.45	2424.27	2449.10	2473.92	2498.74	2523.57	2548.39	2573.22
	S	6.5769	6.5899	6.6027	6.6155	6.6281	6.6405	6.6529	6.6651	6.6772

PRESSURE PSIA	V	TEMPERATURE								
		1440	1460	1480	1500	1520	1540	1560	1580	1600
560	V	9.1415	9.2372	9.3329	9.4286	9.5242	9.6199	9.7156	9.8113	9.9069
	H	2374.82	2399.65	2424.47	2449.30	2474.12	2498.95	2523.77	2548.59	2573.42
	S	6.5588	6.5718	6.5847	6.5974	6.6100	6.6225	6.6349	6.6471	6.6592
580	V	8.8282	8.9206	9.0130	9.1053	9.1977	9.2901	9.3825	9.4748	9.5672
	H	2375.03	2399.85	2424.67	2449.50	2474.32	2499.15	2523.97	2548.79	2573.62
	S	6.5415	6.5545	6.5673	6.5800	6.5927	6.6051	6.6175	6.6297	6.6418
600	V	8.5358	8.6251	8.7144	8.8037	8.8930	8.9823	9.0716	9.1608	9.2501
	H	2375.23	2400.05	2424.87	2449.70	2474.52	2499.35	2524.17	2549.00	2573.82
	S	6.5247	6.5376	6.5505	6.5632	6.5758	6.5883	6.6007	6.6129	6.6250
620	V	8.2622	8.3486	8.4350	8.5215	8.6079	8.6943	8.7807	8.8671	8.9535
	H	2375.43	2400.25	2425.07	2449.90	2474.72	2499.55	2524.37	2549.20	2574.02
	S	6.5084	6.5214	6.5343	6.5470	6.5596	6.5721	6.5844	6.5967	6.6088
640	V	8.0057	8.0895	8.1732	8.2569	8.3406	8.4243	8.5080	8.5917	8.6755
	H	2375.63	2400.45	2425.28	2450.10	2474.92	2499.75	2524.57	2549.40	2574.22
	S	6.4927	6.5057	6.5185	6.5313	6.5439	6.5563	6.5687	6.5809	6.5930
660	V	7.7648	7.8460	7.9272	8.0084	8.0895	8.1707	8.2519	8.3331	8.4142
	H	2375.83	2400.65	2425.48	2450.30	2475.12	2499.95	2524.77	2549.60	2574.42
	S	6.4774	6.4904	6.5033	6.5160	6.5286	6.5411	6.5534	6.5657	6.5778
680	V	7.5381	7.6169	7.6956	7.7744	7.8532	7.9320	8.0108	8.0896	8.1684
	H	2376.03	2400.85	2425.68	2450.50	2475.33	2500.15	2524.97	2549.80	2574.62
	S	6.4626	6.4756	6.4885	6.5012	6.5138	6.5263	6.5386	6.5509	6.5630
700	V	7.3243	7.4008	7.4773	7.5539	7.6304	7.7070	7.7835	7.8600	7.9365
	H	2376.23	2401.05	2425.88	2450.70	2475.53	2500.35	2525.18	2550.00	2574.87
	S	6.4482	6.4612	6.4741	6.4868	6.4994	6.5119	6.5243	6.5365	6.5486
720	V	7.1223	7.1968	7.2712	7.3456	7.4200	7.4944	7.5688	7.6432	7.7177
	H	2376.43	2401.25	2426.08	2450.90	2475.73	2500.55	2525.38	2550.20	2575.03
	S	6.4343	6.4473	6.4601	6.4729	6.4855	6.4980	6.5103	6.5225	6.5347
740	V	6.9313	7.0037	7.0761	7.1485	7.2210	7.2934	7.3658	7.4382	7.5106
	H	2376.63	2401.45	2426.28	2451.10	2475.93	2500.75	2525.58	2550.40	2575.23
	S	6.4207	6.4337	6.4466	6.4593	6.4719	6.4844	6.4967	6.5090	6.5211
760	V	6.7504	6.8209	6.8914	6.9619	7.0324	7.1029	7.1734	7.2439	7.3144
	H	2376.83	2401.65	2426.48	2451.30	2476.13	2500.95	2525.78	2550.60	2575.43
	S	6.4075	6.4205	6.4334	6.4461	6.4587	6.4712	6.4835	6.4957	6.5079

PRESSURE PSIA	V	TEMPERATURE								
		1440	1460	1480	1500	1520	1540	1560	1580	1600
780	V	6.5787	6.6474	6.7161	6.7848	6.8535	6.9222	6.9909	7.0595	7.1282
	H	2377.03	2401.86	2426.68	2451.51	2476.33	2501.15	2525.98	2550.80	2575.63
	S	6.3946	6.4076	6.4205	6.4332	6.4458	6.4583	6.4706	6.4829	6.4950
800	V	6.4156	6.4826	6.5496	6.6165	6.6835	6.7505	6.8175	6.8844	6.9514
	H	2377.23	2402.06	2426.88	2451.71	2476.53	2501.36	2526.18	2551.00	2575.83
	S	6.3821	6.3951	6.4079	6.4207	6.4333	6.4457	6.4581	6.4703	6.4824
820	V	6.2605	6.3258	6.3912	6.4565	6.5219	6.5872	6.6525	6.7179	6.7832
	H	2377.43	2402.26	2427.08	2451.91	2476.73	2501.56	2526.38	2551.21	2576.03
	S	6.3698	6.3828	6.3957	6.4084	6.4210	6.4335	6.4459	6.4581	6.4702
840	V	6.1127	6.1765	6.2403	6.3041	6.3679	6.4317	6.4955	6.5592	6.6230
	H	2377.63	2402.46	2427.28	2452.11	2476.93	2501.76	2526.58	2551.41	2576.23
	S	6.3579	6.3709	6.3837	6.3965	6.4091	6.4216	6.4339	6.4461	6.4583
860	V	5.9719	6.0342	6.0965	6.1588	6.2211	6.2834	6.3457	6.4080	6.4703
	H	2377.83	2402.66	2427.48	2452.31	2477.13	2501.96	2526.78	2551.61	2576.43
	S	6.3462	6.3592	6.3721	6.3848	6.3974	6.4099	6.4222	6.4345	6.4466
880	V	5.8374	5.8983	5.9592	6.0201	6.0809	6.1418	6.2027	6.2636	6.3245
	H	2378.03	2402.86	2427.68	2452.51	2477.33	2502.16	2526.98	2551.81	2576.63
	S	6.3348	6.3478	6.3607	6.3734	6.3860	6.3985	6.4109	6.4231	6.4352
900	V	5.7089	5.7684	5.8280	5.8875	5.9470	6.0066	6.0661	6.1256	6.1852
	H	2378.23	2403.06	2427.88	2452.71	2477.54	2502.36	2527.19	2552.01	2576.84
	S	6.3237	6.3367	6.3496	6.3623	6.3749	6.3874	6.3997	6.4119	6.4241
920	V	5.5860	5.6442	5.7025	5.7607	5.8190	5.8772	5.9354	5.9937	6.0519
	H	2378.43	2403.26	2428.09	2452.91	2477.74	2502.56	2527.39	2552.21	2577.04
	S	6.3128	6.3258	6.3387	6.3514	6.3640	6.3765	6.3888	6.4011	6.4132
940	V	5.4678	5.5253	5.5823	5.6393	5.6963	5.7533	5.8103	5.8673	5.9243
	H	2378.54	2403.46	2428.29	2453.11	2477.94	2502.76	2527.59	2552.41	2577.24
	S	6.3021	6.3151	6.3280	6.3407	6.3533	6.3658	6.3782	6.3904	6.4025
960	V	5.3550	5.4108	5.4666	5.5230	5.5788	5.6346	5.6904	5.7462	5.8020
	H	2378.74	2403.56	2428.39	2453.31	2478.14	2502.96	2527.79	2552.61	2577.44
	S	6.2916	6.3046	6.3175	6.3303	6.3429	6.3554	6.3677	6.3800	6.3921
980	V	5.2468	5.3015	5.3562	5.4108	5.4655	5.5207	5.5754	5.6301	5.6848
	H	2378.93	2403.76	2428.59	2453.41	2478.24	2503.16	2527.99	2552.81	2577.64
	S	6.2814	6.2944	6.3073	6.3200	6.3320	6.3452	6.3575	6.3697	6.3819

PRESSURE PSIA		TEMPERATURE								
		1440	1460	1480	1500	1520	1540	1560	1580	1600
1000	V	5.1429	5.1965	5.2501	5.3037	5.3573	5.4109	5.4645	5.5180	5.5722
	H	2379.13	2403.96	2428.78	2453.61	2478.44	2503.26	2528.09	2552.91	2577.84
	S	6.2714	6.2844	6.2973	6.3100	6.3226	6.3351	6.3474	6.3597	6.3718
1020	V	5.0432	5.0957	5.1482	5.2008	5.2533	5.3058	5.3584	5.4109	5.4634
	H	2379.33	2404.15	2428.98	2453.81	2478.63	2503.46	2528.29	2553.11	2577.94
	S	6.2616	6.2746	6.2875	6.3002	6.3128	6.3253	6.3376	6.3499	6.3620
1040	V	4.9472	4.9987	5.0503	5.1018	5.1533	5.2048	5.2564	5.3079	5.3594
	H	2379.52	2404.35	2429.18	2454.00	2478.83	2503.66	2528.48	2553.31	2578.14
	S	6.2520	6.2650	6.2778	6.2906	6.3032	6.3156	6.3280	6.3402	6.3523
1060	V	4.8549	4.9054	4.9560	5.0066	5.0571	5.1077	5.1582	5.2088	5.2593
	H	2379.72	2404.55	2429.37	2454.20	2479.03	2503.85	2528.68	2553.51	2578.33
	S	6.2425	6.2555	6.2684	6.2811	6.2937	6.3062	6.3186	6.3308	6.3429
1080	V	4.7660	4.8156	4.8652	4.9148	4.9645	5.0141	5.0637	5.1133	5.1629
	H	2379.91	2404.74	2429.57	2454.40	2479.22	2504.05	2528.88	2553.70	2578.53
	S	6.2333	6.2463	6.2591	6.2719	6.2845	6.2969	6.3093	6.3215	6.3336
1100	V	4.6803	4.7290	4.7777	4.8265	4.8752	4.9239	4.9726	5.0213	5.0700
	H	2380.11	2404.94	2429.76	2454.59	2479.42	2504.25	2529.07	2553.90	2578.73
	S	6.2242	6.2372	6.2500	6.2628	6.2754	6.2878	6.3002	6.3124	6.3245
1120	V	4.5977	4.6455	4.6934	4.7412	4.7891	4.8369	4.8848	4.9326	4.9805
	H	2380.31	2405.13	2429.96	2454.79	2479.62	2504.44	2529.27	2554.10	2578.92
	S	6.2152	6.2282	6.2411	6.2538	6.2664	6.2789	6.2913	6.3035	6.3156
1140	V	4.5180	4.5650	4.6120	4.6590	4.7060	4.7530	4.8000	4.8470	4.8940
	H	2380.50	2405.33	2430.16	2454.98	2479.81	2504.64	2529.47	2554.29	2579.12
	S	6.2065	6.2195	6.2323	6.2451	6.2577	6.2701	6.2825	6.2947	6.3068
1160	V	4.4410	4.4872	4.5334	4.5796	4.6258	4.6720	4.7182	4.7644	4.8106
	H	2380.70	2405.53	2430.35	2455.18	2480.01	2504.84	2529.66	2554.49	2579.32
	S	6.1978	6.2108	6.2237	6.2364	6.2490	6.2615	6.2739	6.2861	6.2982
1180	V	4.3667	4.4121	4.4575	4.5029	4.5483	4.5937	4.6391	4.6846	4.7300
	H	2380.89	2405.72	2430.55	2455.38	2480.20	2505.03	2529.86	2554.69	2579.51
	S	6.1894	6.2024	6.2152	6.2280	6.2406	6.2530	6.2654	6.2776	6.2897
1200	V	4.2948	4.3394	4.3841	4.4288	4.4734	4.5181	4.5627	4.6074	4.6520
	H	2381.09	2405.92	2430.75	2455.57	2480.40	2505.23	2530.06	2554.88	2579.71
	S	6.1810	6.1940	6.2069	6.2196	6.2322	6.2447	6.2571	6.2693	6.2814

P R E S S U R E PSIA	V	T E M P E R A T U R E								
		1440	1460	1480	1500	1520	1540	1560	1580	1600
1220	V	4.2253	4.2692	4.3131	4.3570	4.4010	4.4449	4.4888	4.5327	4.5767
	H	2381.29	2406.11	2430.94	2455.77	2480.60	2505.42	2530.25	2555.08	2579.91
	S	6.1728	6.1858	6.1987	6.2114	6.2240	6.2365	6.2489	6.2611	6.2732
1240	V	4.1580	4.2012	4.2444	4.2876	4.3308	4.3741	4.4173	4.4605	4.5037
	H	2381.48	2406.31	2431.14	2455.97	2480.79	2505.62	2530.45	2555.28	2580.10
	S	6.1648	6.1778	6.1906	6.2034	6.2160	6.2285	6.2408	6.2530	6.2652
1260	V	4.0928	4.1354	4.1779	4.2204	4.2630	4.3055	4.3480	4.3905	4.4331
	H	2381.68	2406.50	2431.33	2456.16	2480.99	2505.82	2530.64	2555.47	2580.30
	S	6.1568	6.1698	6.1827	6.1954	6.2080	6.2205	6.2329	6.2451	6.2572
1280	V	4.0297	4.0716	4.1135	4.1553	4.1972	4.2391	4.2809	4.3228	4.3647
	H	2381.87	2406.70	2431.53	2456.36	2481.18	2506.01	2530.84	2555.67	2580.50
	S	6.1490	6.1620	6.1749	6.1876	6.2002	6.2127	6.2251	6.2373	6.2494
1300	V	3.9685	4.0098	4.0510	4.0922	4.1334	4.1747	4.2159	4.2571	4.2983
	H	2382.07	2406.90	2431.72	2456.55	2481.38	2506.21	2531.04	2555.86	2580.69
	S	6.1413	6.1543	6.1672	6.1799	6.1925	6.2050	6.2174	6.2296	6.2417
1320	V	3.9092	3.9498	3.9904	4.0310	4.0716	4.1122	4.1528	4.1934	4.2340
	H	2382.26	2407.09	2431.92	2456.75	2481.58	2506.40	2531.23	2556.06	2580.89
	S	6.1338	6.1468	6.1596	6.1724	6.1850	6.1975	6.2098	6.2220	6.2342
1340	V	3.8517	3.8917	3.9317	3.9717	4.0117	4.0517	4.0916	4.1316	4.1716
	H	2382.46	2407.29	2432.12	2456.94	2481.77	2506.60	2531.43	2556.26	2581.08
	S	6.1263	6.1393	6.1522	6.1649	6.1775	6.1900	6.2024	6.2146	6.2267
1360	V	3.7958	3.8352	3.8746	3.9140	3.9535	3.9929	4.0323	4.0717	4.1111
	H	2382.65	2407.48	2432.31	2457.14	2481.97	2506.80	2531.62	2556.45	2581.29
	S	6.1190	6.1320	6.1448	6.1576	6.1702	6.1827	6.1950	6.2072	6.2194
1380	V	3.7416	3.7804	3.8193	3.8581	3.8969	3.9358	3.9746	4.0134	4.0523
	H	2382.85	2407.68	2432.51	2457.33	2482.16	2506.99	2531.82	2556.65	2581.48
	S	6.1117	6.1247	6.1376	6.1503	6.1629	6.1754	6.1878	6.2000	6.2121
1400	V	3.6889	3.7272	3.7655	3.8038	3.8420	3.8803	3.9186	3.9569	3.9952
	H	2383.04	2407.87	2432.70	2457.53	2482.36	2507.19	2532.02	2556.84	2581.67
	S	6.1046	6.1176	6.1305	6.1432	6.1558	6.1683	6.1806	6.1929	6.2050
1450	V	3.5636	3.6005	3.6375	3.6744	3.7114	3.7484	3.7853	3.8223	3.8592
	H	2383.53	2408.36	2433.19	2458.02	2482.85	2507.68	2532.50	2557.33	2582.16
	S	6.0872	6.1002	6.1131	6.1258	6.1384	6.1509	6.1632	6.1755	6.1876

PRESSURE PSIA	V	TEMPERATURE								
		1440	1460	1480	1500	1520	1540	1560	1580	1600
1500	V	3.4466	3.4823	3.5180	3.5537	3.5895	3.6252	3.6609	3.6967	3.7324
	H	2384.02	2408.85	2433.68	2458.51	2483.34	2508.16	2532.99	2557.82	2582.65
	S	6.0704	6.0834	6.0963	6.1090	6.1216	6.1341	6.1464	6.1587	6.1708
1550	V	3.3371	3.3717	3.4063	3.4408	3.4754	3.5100	3.5446	3.5791	3.6137
	H	2384.50	2409.33	2434.16	2458.99	2483.82	2508.65	2533.48	2558.31	2583.14
	S	6.0541	6.0671	6.0800	6.0927	6.1053	6.1178	6.1302	6.1424	6.1545
1600	V	3.2345	3.2680	3.3015	3.3350	3.3685	3.4020	3.4355	3.4690	3.5025
	H	2384.99	2409.82	2434.65	2459.48	2484.31	2509.14	2533.97	2558.80	2583.63
	S	6.0384	6.0514	6.0643	6.0770	6.0896	6.1021	6.1144	6.1267	6.1388
1650	V	3.1381	3.1706	3.2031	3.2355	3.2680	3.3005	3.3330	3.3655	3.3980
	H	2385.48	2410.31	2435.14	2459.97	2484.80	2509.63	2534.46	2559.29	2584.12
	S	6.0231	6.0361	6.0490	6.0617	6.0743	6.0868	6.0992	6.1114	6.1235
1700	V	3.0474	3.0789	3.1104	3.1419	3.1735	3.2050	3.2365	3.2681	3.2996
	H	2385.96	2410.79	2435.62	2460.45	2485.28	2510.11	2534.94	2559.77	2584.60
	S	6.0083	6.0213	6.0342	6.0469	6.0595	6.0720	6.0844	6.0966	6.1087
1750	V	2.9618	2.9924	3.0231	3.0537	3.0843	3.1150	3.1456	3.1762	3.2068
	H	2386.45	2411.28	2436.11	2460.94	2485.77	2510.60	2535.43	2560.26	2585.09
	S	5.9939	6.0069	6.0198	6.0326	6.0452	6.0576	6.0700	6.0822	6.0943
1800	V	2.8810	2.9108	2.9406	2.9704	3.0001	3.0299	3.0597	3.0895	3.1193
	H	2386.93	2411.76	2436.59	2461.42	2486.25	2511.09	2535.92	2560.75	2585.58
	S	5.9800	5.9930	6.0058	6.0186	6.0312	6.0437	6.0560	6.0683	6.0804
1850	V	2.8046	2.8336	2.8625	2.8915	2.9205	2.9495	2.9784	3.0074	3.0364
	H	2387.41	2412.25	2437.08	2461.91	2486.74	2511.57	2536.40	2561.23	2586.04
	S	5.9664	5.9794	5.9923	6.0050	6.0176	6.0301	6.0424	6.0547	6.0668
1900	V	2.7322	2.7604	2.7886	2.8168	2.8450	2.8733	2.9015	2.9297	2.9579
	H	2387.90	2412.73	2437.56	2462.39	2487.22	2512.06	2536.89	2561.72	2586.55
	S	5.9532	5.9662	5.9790	5.9918	6.0044	6.0169	6.0292	6.0414	6.0536
1950	V	2.6635	2.6910	2.7185	2.7460	2.7735	2.8009	2.8284	2.8559	2.8834
	H	2388.38	2413.21	2438.04	2462.88	2487.71	2512.54	2537.37	2562.20	2587.03
	S	5.9403	5.9533	5.9662	5.9789	5.9915	6.0040	6.0163	6.0286	6.0407
2000	V	2.5982	2.6250	2.6518	2.6786	2.7054	2.7322	2.7591	2.7859	2.8127
	H	2388.86	2413.70	2438.53	2463.36	2488.19	2513.02	2537.86	2562.69	2587.52
	S	5.9277	5.9407	5.9536	5.9663	5.9789	5.9914	6.0038	6.0160	6.0281

	PRESSURE PSIA	TEMPERATURE								
		1440	1460	1480	1500	1520	1540	1560	1580	1600
2200	V	2.3668	2.3912	2.4156	2.4399	2.4643	2.4887	2.5131	2.5374	2.5618
	H	2390.79	2415.62	2440.46	2465.29	2490.12	2514.96	2539.79	2564.62	2589.46
	S	5.8805	5.8935	5.9063	5.9191	5.9317	5.9442	5.9565	5.9687	5.9809
2400	V	2.1740	2.1963	2.2187	2.2410	2.2634	2.2857	2.3080	2.3304	2.3527
	H	2392.71	2417.54	2442.38	2467.21	2492.05	2516.88	2541.72	2566.55	2591.39
	S	5.8373	5.8503	5.8632	5.8759	5.8885	5.9010	5.9133	5.9256	5.9377
2600	V	2.0108	2.0314	2.0521	2.0727	2.0933	2.1139	2.1346	2.1552	2.1758
	H	2394.62	2419.46	2444.29	2469.13	2493.97	2518.80	2543.64	2568.47	2593.31
	S	5.7976	5.8106	5.8235	5.8362	5.8488	5.8613	5.8736	5.8859	5.8980
2800	V	1.8709	1.8901	1.9092	1.9284	1.9475	1.9667	1.9858	2.0050	2.0241
	H	2396.53	2421.36	2446.20	2471.04	2495.88	2520.72	2545.55	2570.39	2595.23
	S	5.7608	5.7738	5.7867	5.7994	5.8120	5.8245	5.8369	5.8491	5.8612
3000	V	1.7497	1.7675	1.7854	1.8033	1.8212	1.8391	1.8569	1.8748	1.8927
	H	2398.43	2423.27	2448.11	2472.94	2497.78	2522.62	2547.46	2572.30	2597.14
	S	5.7266	5.7396	5.7525	5.7652	5.7778	5.7903	5.8026	5.8149	5.8270
3500	V	1.5071	1.5224	1.5378	1.5531	1.5684	1.5838	1.5991	1.6144	1.6298
	H	2403.15	2427.99	2452.83	2477.68	2502.52	2527.36	2552.21	2577.05	2601.89
	S	5.6501	5.6631	5.6759	5.6887	5.7013	5.7138	5.7261	5.7384	5.7505
4000	V	1.3251	1.3386	1.3520	1.3654	1.3788	1.3922	1.4057	1.4191	1.4325
	H	2407.83	2432.68	2457.52	2482.37	2507.22	2532.07	2556.91	2581.76	2606.60
	S	5.5838	5.5968	5.6096	5.6224	5.6350	5.6475	5.6599	5.6721	5.6842
4500	V	1.1836	1.1955	1.2074	1.2194	1.2313	1.2432	1.2552	1.2671	1.2790
	H	2412.47	2437.32	2462.18	2487.03	2511.88	2536.73	2561.58	2586.43	2611.20
	S	5.5252	5.5383	5.5511	5.5639	5.5765	5.5890	5.6014	5.6136	5.6257
5000	V	1.0703	1.0810	1.0918	1.1025	1.1132	1.1240	1.1347	1.1455	1.1562
	H	2417.08	2441.93	2466.79	2491.65	2516.50	2541.36	2566.21	2591.07	2615.92
	S	5.4729	5.4859	5.4988	5.5115	5.5242	5.5366	5.5490	5.5613	5.5734
5500	V	0.9775	0.9873	0.9971	1.0068	1.0166	1.0264	1.0361	1.0459	1.0557
	H	2421.65	2446.51	2471.37	2496.23	2521.09	2545.95	2570.81	2595.67	2620.53
	S	5.4255	5.4385	5.4514	5.4642	5.4768	5.4893	5.5016	5.5139	5.5260
6000	V	0.9002	0.9092	0.9181	0.9271	0.9360	0.9450	0.9540	0.9629	0.9719
	H	2426.18	2451.05	2475.91	2500.78	2525.65	2550.51	2575.38	2600.24	2625.10
	S	5.3822	5.3952	5.4081	5.4209	5.4335	5.4460	5.4584	5.4706	5.4828