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Tabulated Values of Cavitation B-Factor for Helium, H_2, N_2, F_2, O_2, Refrigerant 114, and H_2O

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Tabulated Values of Cavitation B-Factor for Helium, H_2, N_2, F_2, O_2, Refrigerant 114, and H_2O

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TABULATED VALUES OF CAVITATION B-FACTOR FOR HELIUM, H_2, N_2, F_2, O_2, REFRIGERANT 114, AND H_2O*

J. Hord and R. O. Voth

A brief history is given on the development of the B-factor concept and its application to the design of liquid pumps. Adaptation of the "quasi-static" vaporization model to the cavitation process is discussed; previous methods of computing B-factor are reviewed and a simplified, more precise computation, consistent with the "quasi-static" model, is established. Merits of the different computational techniques are discussed and two of the methods are graphically compared. The best available property data are used to compute B-factors for several fluids over a wide range of temperatures. The results are tabulated as reference data; they are useful in the application of the B-factor concept to the prediction of performance in cavitating liquid pumps.

Key words: Cavitation; cryogenics; pumps.

1. Introduction

This paper deals with the calculation and tabulation of cavitation B-factors for several fluids. B-factor is defined as the ratio of the volume of vapor to the volume of liquid involved in the cavitation

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process in hydraulic equipment. Cavitation is the formation of a vapor phase within a flowing liquid and results from a reduction in pressure. The effects of fluid properties on the cavitating performance of hydraulic equipment have been the subject of considerable study [1-9],[1] and it was from some of these studies that the current B-factor[2] concept evolved. Use of the B-factor to predict cavitating performance of pumping machinery is usually attributed to Stahl and Stepanoff [2], although other authors [1, 3] independently arrived at approximately identical results [4]. Stepanoff [5, 6], and more recently Ruggeri and Moore [10-12], have shouldered the burden of providing the link between concept and application. It was primarily the work of Stahl and Stepanoff [2, 5, 6] that motivated Gelder et al. [13] to extend the B-factor concept. The predictive method developed by Gelder and co-workers has proven highly successful [10, 11]. The "quasi-static" theory upon which their solution is based is amazingly simple and obviously deficient from a theoretical viewpoint; nevertheless, it is apparent that their solution, though simplified, contains the significant groups of dimensionless parameters. A current research program [14], endeavoring to upgrade the thermostatic approach outlined by Gelder et al. [13] and to account for dynamic effects via entrainment theory, has substantiated the latter statement. Although the B-factor approach, from a theoretical viewpoint, is not entirely compatible with the physical processes of cavitation, it is well established, adequately documented [10-13] and provides good results [10, 11]. Current efforts [14] to obtain a more compatible theory have

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[1] Numbers in brackets indicate references at the end of this paper.

[2] B-factor, as we have chosen to call it in this paper, has also been called "Cavitation tendency parameter," "Cavitation tendency index," "thermal cavitation parameter," "thermal cavitation criterion," and "thermal criterion" in the literature.

not yet resulted in a predictive technique that is less complex or less dependent upon experimental data. For these reasons it is apparent that the B-factor approach will be used until such time as a major theoretical breakthrough occurs; consequently, there is a need for B-factor reference data, calculated in the most consistent and theoretically tenable manner from the best available thermodynamic properties of fluids. It is the intent of this paper to establish an improved B-factor calculation method and to tabulate the computerized results for several fluids of interest. The calculation method may easily be extended to other fluids. The reader should see references [10-13] for application of the B-factor concept to equipment design, or to the prediction of cavitating performance of existing hydraulic equipment. Water and refrigerant 114 were selected for inclusion in this report because of their obvious advantages, relative to the cryogenic fluids, in obtaining the experimental data necessary for application of the B-factor predictive technique [10, 11].

2. Analytical Approaches

The simplest derivation of the B-factor concept originated with Stahl and Stepanoff [2]. Hollander [4] showed that various B-factor solutions [1, 2, 3] were approximately equivalent and could be represented by a "quasi-static" model; this model features a unit mass of saturated liquid completely filling an insulated cylinder with a tightly-fitting piston. When the piston is lifted some of the liquid is vaporized. This model was used by Gelder et al. [13] to improve upon the computational technique of Stepanoff [5] and will be used again in this paper to establish a technique for computing B-factor that is simple and more precise than the method of Gelder et al. The basic

formulation derived by Stepanoff [5] is

$$B \equiv \frac{V_v}{V_\ell} \simeq \Delta h_v c_p T_{fl} \left(\rho_\ell / \rho_v L \right)^2 . \tag{1}$$

Gelder et al. [13] point out that eq (1) is only an approximation because it cannot account for change in fluid properties as the fluid temperature (and pressure) drops as a result of vaporization; also, it neglects change in enthalpy of the vapor phase and reduction of liquid mass during the vaporization process. Consequently, eq (1) may be a rather crude expression when the fluid properties vary appreciably with temperature; this is particularly true for liquid hydrogen where the results may easily be in error by a factor of two. Gelder et al. improved upon this situation--by accounting for changing fluid properties, change in vapor enthalpy and reduction of liquid mass--with an incremental calculation method [13]. This method uses the "quasi-static" model of Hollander [4] and starts with a unit mass of liquid in the cylinder; an energy balance, describing the fluid expansion attained by lifting the piston within the cylinder, results in the following expression,

$$w_n L_n = \left(1 - w_n - \sum_{i=2}^{n} w_{i-1} \right) \Delta H_{f,n} + \left(\sum_{i=2}^{n} w_{i-1} \right) \Delta H_{g,n} . \tag{2a}$$

This expression accounts for changing fluid properties with temperature depression if suitably small increments of temperature or pressure are chosen for each step-wise calculation. The left hand side of eq (2a) represents the energy required to vaporize a fraction of liquid. The first term on the right hand side of eq (2a) accounts for the change

in enthalpy of the remaining liquid mass--the summation component accounts for liquid vaporized in previous steps. The last term on the right hand side of eq (2a) provides for change in enthalpy of vapor formed in previous steps. By choosing suitably small increments of pressure and using eq (2a) to compute the fraction of vapor formed with each incremental change of pressure, we can calculate the B-factor for any finite pressure reduction with the following expression [13],

$$B_n = \left(\frac{\rho_\ell}{\rho_v}\right)_n \left(\sum_{i=1}^{n} w_i\right) \Big/ \left(1 - \sum_{i=1}^{n} w_i\right). \tag{2b}$$

If the pressure increments are sufficiently small, the vaporization process may be considered to proceed simultaneously along the saturated liquid and saturated vapor boundaries on a temperature-entropy diagram. It will be shown later that we have all of the ingredients for a simple isentropic expansion. The incremental calculation method has obvious disadvantages--a large number of entries into fluid property data are required to compute a B-factor because very small steps are required to obtain good results, and recondensation of vapor during the expansion process is neglected. Repeated entries into fluid property data are undesirable for two reasons: 1) the calculation is too lengthy to be performed by hand and 2) the probability of error is enhanced because the uncertainty in the property data is magnified in each entry from which we obtain a very small difference in two large values of enthalpy (corresponding to the enthalpy at both ends of the pressure increment). Referring again to the cylinder-piston model of Hollander, we may stipulate the basic assumptions of the "quasi-static" model as follows: 1) the flow is steady, irrotational, and

frictionless and 2) the vaporization process is steady, one-dimensional, adiabatic, frictionless, and the fluid is continuously in stable thermodynamic equilibrium.[1] By definition, this is an isentropic process. Therefore, when the piston is lifted, we will assume that the fluid undergoes an isentropic expansion. Referring to figure 1, the mass-entropy balance may be written

$$m_{f1} s_{f1} = m_{f2} s_{f2} + m_{v2} s_{v2} , \tag{3}$$

and conservation of mass requires that

$$m_{f1} = m_{f2} + m_{v2} . \tag{4}$$

Combining eqs. (3) and (4) and multiplying the result by ρ_{f2} / ρ_{v2} to obtain vapor and liquid volumes,

$$B = \left(\frac{\rho_{f2}}{\rho_{v2}}\right)\left(\frac{m_{v2}}{m_{f2}}\right) = \left(\frac{\rho_{f2}}{\rho_{v2}}\right) \frac{s_{f1} - s_{f2}}{s_{v2} - s_{f1}} . \tag{5}$$

This expression does not rely upon summation of incremental steps to account for changing fluid properties, vaporization of liquid, or recondensation of vapor. The B-factor resulting from any finite pressure (or corresponding temperature) depression may be calculated in one simple step. The accuracy of the results is limited only by the accuracy of the fluid P-V-T data, and charts, tables, etc.,

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[1] A more rigorous definition of a quasi-static process states that the system is at all times infinitesimally near a state of stable thermodynamic equilibrium, and that all states traversed by the system are describable on thermodynamic coordinates referring to the system as a whole.

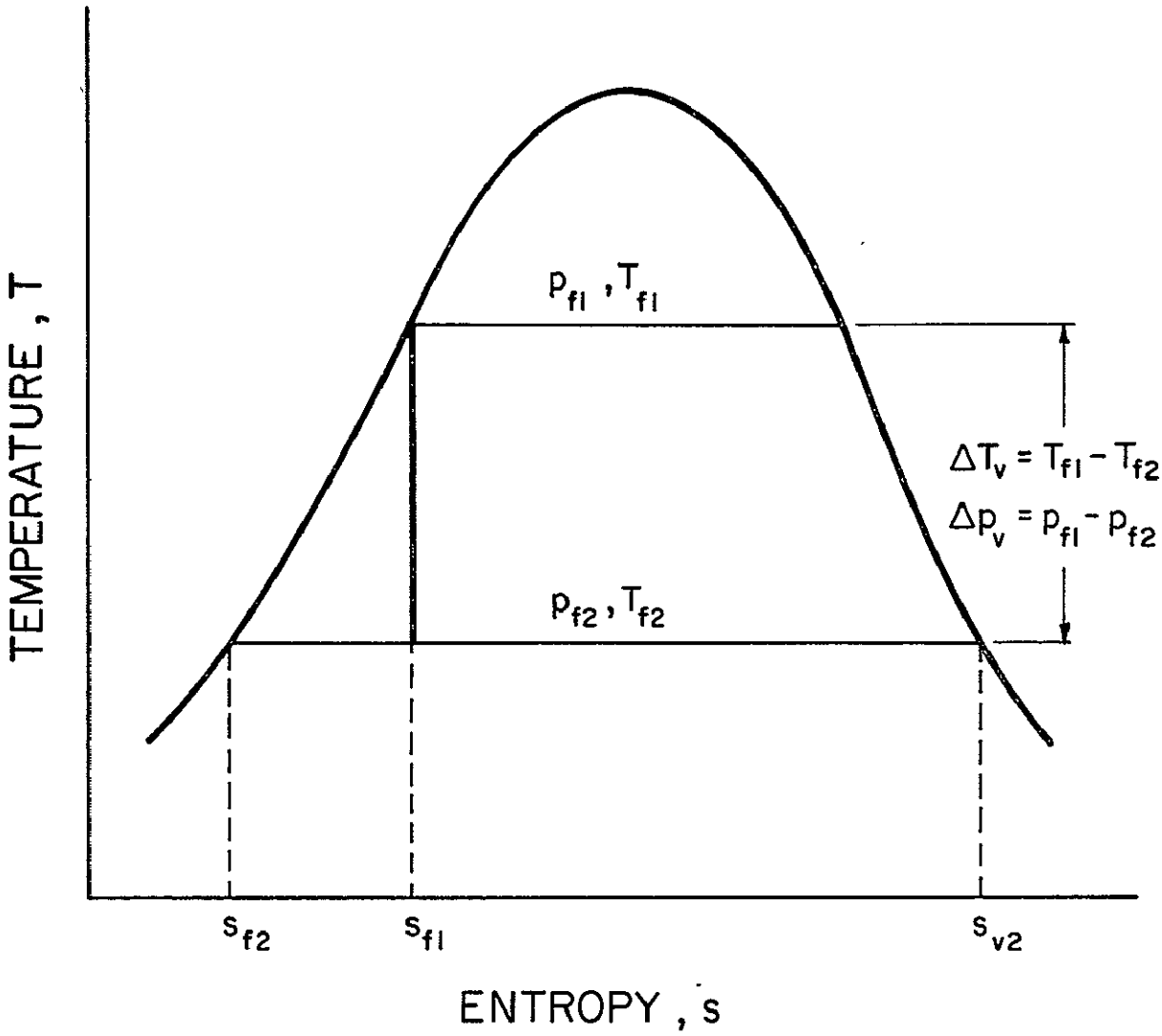

Figure 1. Typical isentropic vaporization process with appropriate nomenclature.

may easily be developed from appropriate equations of state or tabulated thermodynamic properties. The accuracy of the results calculated from eq (2b) is limited not only by the accuracy of the fluid P-V-T data but by the number of entries into the property data and the size of the incremental pressure step.

3. Comparison of Analyses

As pointed out in the previous section, eq (1) has some serious shortcomings; it is adequate for very small pressure depressions, but grossly inadequate for large pressure changes if the fluid properties vary appreciably. This point is emphasized by referring to figures 2 and 3; the nonlinearity of these B-factor curves results from the change in fluid properties as the pressure (or temperature) of the fluid is reduced. For the purpose of illustration, temperature depressions, rather than pressure or pressure-head depressions, are plotted on figures 2 and 3. As evidenced by figures 2 and 3, larger temperature (or pressure) depressions result in greater departures from the linear relationship prescribed by eq (1).

Equation (2b) adequately describes the thermodynamic process of vaporization, but requires extremely small pressure increments to obtain precise results; consequently, it has the disadvantage of requiring a large number of computations to obtain the B-factor for a desired pressure change. For example, some of the data points calculated by eq (2b) and plotted on figure 2 required the summation of more than 600 incremental steps. While these laborious computations may easily be handled on a computer, a large number of entries into fluid property data are required; these repeated entries coupled with the summation technique enhances the possibility of calculational error. Because small pressure increments demand repeated entries into property

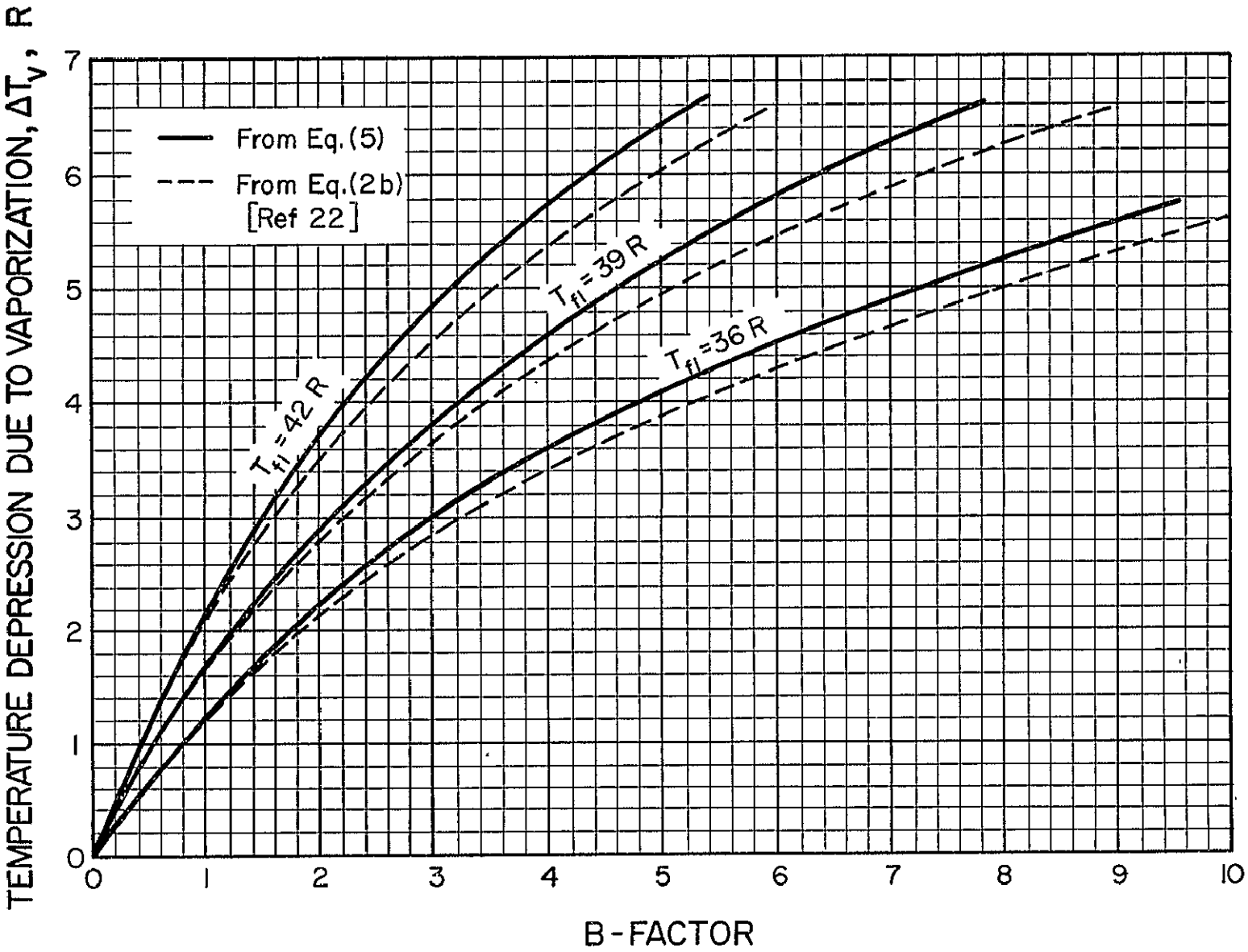

Figure 2. B-factor and corresponding temperature depressions resulting from vaporization of liquid hydrogen.

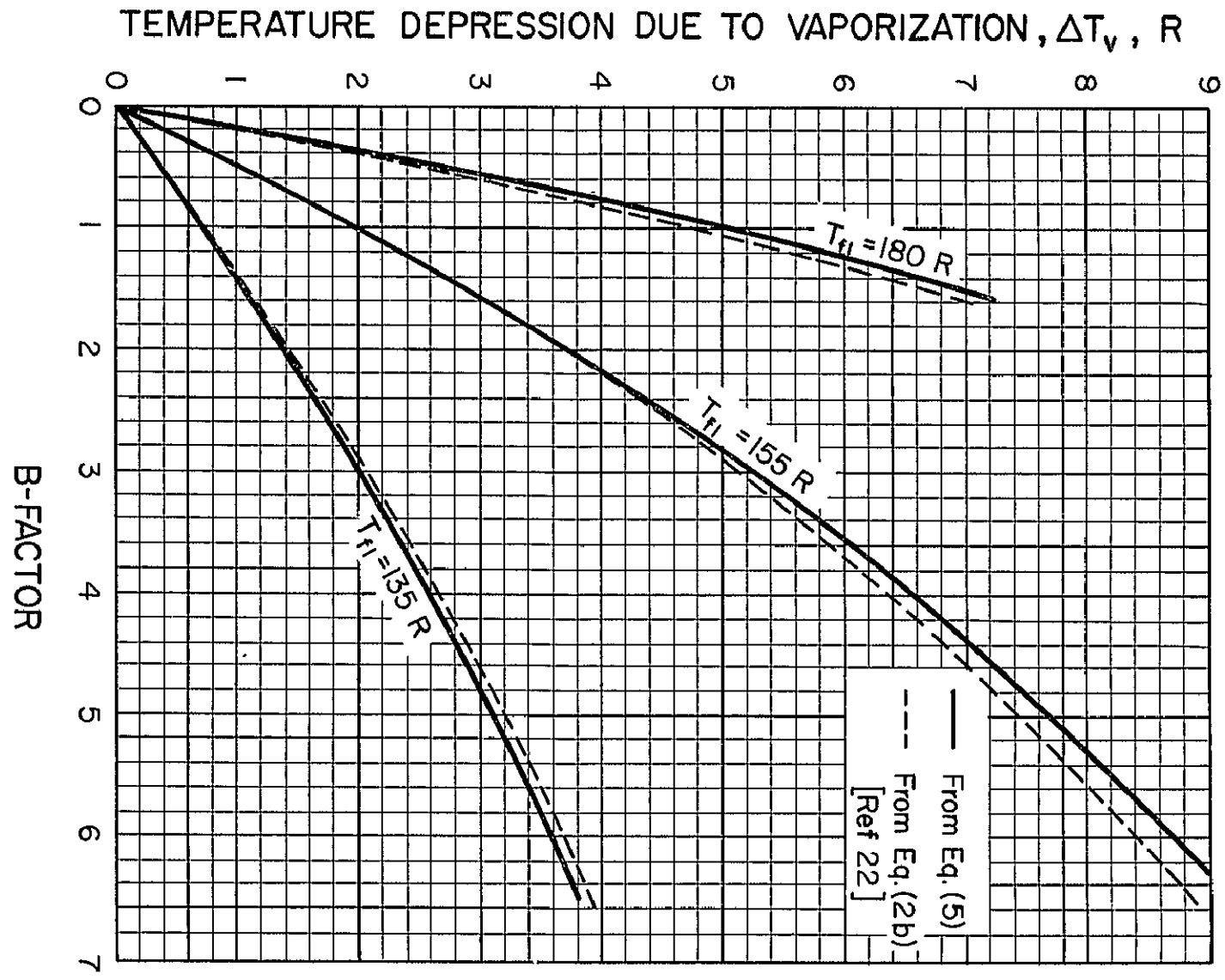

Figure 3. B-factor and corresponding temperature depressions resulting from vaporization of liquid nitrogen.

data, there should exist an optimum step increment that will minimize the calculational error for any specific fluid and fluid temperature. Unfortunately, there is no way of determining this optimum step increment, and one resorts to "very small steps."

Equation (5) is a simplified, more direct approach to the problem and a single computation will provide a B-factor for any desired pressure change. Consistent with the "quasi-static" model under consideration, eq (5) offers the ultimate in calculational precision. From a thermodynamic viewpoint, an isentropic process requires that the fluid be continuously near a state of stable thermodynamic equilibrium; therefore, the vaporization process must proceed, in infinitesimal steps, along the saturated liquid and vapor boundaries, (see figure 1). Such a process automatically compensates for variations in fluid properties, vaporization of a certain fraction of liquid, and re-condensation of a portion of the vapor. Because eq (2b) is an approximate calculational method, it is not possible to make an analytical comparison of eqs (2b) and (5); however, both equations have been used to calculate B-factors for hydrogen and nitrogen and the results are graphically compared on figures 2 and 3. Figure 2 indicates that the entropy approach, eq (5), consistently produces slightly smaller hydrogen B-factors than those obtained from eq (2b). This trend was expected because eq (2b) does not account for recondensing vapor and was used with pressure-head increments of one foot--smaller pressure increments probably would have forced closer agreement with eq (5). Figure 3 shows that eq (2b) sometimes produces smaller nitrogen B-factors than those obtained from an isentropic expansion; this is thermodynamically impossible because it would require an adiabatic process with a reduction in entropy. Thus, the importance of calculational technique

and accurate property data are made clear. Good property data are essential because the B-factor computations rely upon differences in entropies (or enthalpies) at two different temperatures; consequently, the uncertainty in B-factor can be considerably greater than the uncertainty in the basic property data.

Designers and manufacturers of fluid machinery frequently express pressure in terms of pressure-head; this practice is to be discouraged in computations related to the cavitation process and will be abandoned in the results tabulated in this paper. Use of pressure-head should be discontinued for the same reason that eq (1) is not appropriate for general use; i. e., fluid properties change as the fluid temperature is reduced and density of the liquid can vary appreciably. Therefore, one cannot select a single value of density to convert head-difference (Δh_v) to pressure-difference (Δp_v). To work in terms of pressure-head, it is necessary to construct a head-temperature thermodynamic equilibrium curve to replace the usual pressure-temperature equilibrium curve; Δh_v is translated into initial and final pressure-heads, then into initial and final temperatures from which the initial and final saturated liquid densities are obtained, and finally the initial and final pressures may be calculated to determine Δp_v. Mathematically, the pressure depression due to vaporization is given by $\Delta p_v = \rho_{f1} h_{f1} - \rho_{f2} h_{f2}$, where $\Delta p_v = p_{f1} - p_{f2}$, with the corresponding head depression $\Delta h_v = h_{f1} - h_{f2}$, and the corresponding temperature depression $\Delta T_v = T_{f1} - T_{f2}$. Obviously, it is less confusing to communicate directly with the fluid properties tables and deal only with pressures and temperatures. Therefore, pressure (and corresponding temperature) depressions are tabulated in this paper in pressure and temperature units.

4. Computational Techniques and Results

Equation (5) was used to calculate B-factors for prescribed pressure depressions in selected fluids. The best available property data [15-21] were used for these fluids. Almost the entire saturated liquid temperature range was covered for each fluid; i.e., from temperatures just above the triple-point to temperatures just below the critical-point. B-factors with dimensionless values of ten or more were calculated for each fluid at closely spaced initial-temperatures, T_{fl}. In practice, B-factors will normally have values less than five and computation at closely spaced initial-temperatures facilitates interpolation at intermediate temperature values in the tables. The tabular data presentation was chosen because it provides in the most concise form the maximum temperature range, B-factor range, and precision at close initial-temperature intervals. Graphs of the desired range and precision may quickly and easily be constructed from the tabulated data, see figures 2 and 3. In the predictive technique developed by Ruggeri and Moore [10-13] it is necessary to select a B-factor when initial-temperature (T_{fl}) and pressure-depression (Δp_v) are known; also, it will be necessary to determine pressure-depression when initial-temperature and B-factor are given. Again, graphs may be constructed from the tables to perform these functions or one may interpolate directly in the tables. An example problem, demonstrating use of the tabulated data, is given in this section. Table 1 lists the range and interval of initial fluid temperature, T_{fl}, for data tabulated in the appendices.

To accommodate the vast majority of people expected to use these data, the English system of units is employed; conversion to the metric system is accomplished by use of the multiplicative factors

Table 1. Range and interval of initial temperature, T_{fl}, for data tabulated in the Appendices.

fluid	T_{fl} interval	T_{fl} range
Helium	0.2 R	5.6 to 9.0 R
Hydrogen	0.5 R	26.5 to 56.0 R
Nitrogen	1.0 R	121.0 to 180.0 R
	2.0 R	180.0 to 216.0 R
Fluorine	1.0 R	131.0 to 190.0 R
	2.0 R	190.0 to 250.0 R
Oxygen	1.0 R	141.0 to 200.0 R
	2.0 R	200.0 to 272.0 R
Refrigerant 114	5.0 R	425.0 to 750.0 R
Water	5.0 R	535.0 to 680.0 R
	10.0 R	680.0 to 1160.0 R

given on the first page of the appended tables. Nomenclature used in the computer output, as it appears in the appendices, is also defined on the first page of the appendices. To minimize confusion, all nomenclature in this paper was made consistent with that of Ruggeri and Moore [10-13].

Wherever possible, computer source decks for fluid property data were used to perform the B-factor calculations. For all of the cryogenic fluids [15-19] these source decks computed fluid properties from appropriate equations of state. The best available tabulated data [20, 21] were used for refrigerant 114 and water, and fluid properties intermediate to the tabulated values were derived by a computer interpolation routine. The interpolation routine used for water and refrigerant 114 is given in Appendix H. While the B-factor presented here are calculated from the best available property data in the most precise manner, the actual error in computed B-factor is not readily defined. This situation results because the uncertainty in fluid property data varies from fluid-to-fluid and from temperature-to-temperature for any specific fluid; also the uncertainty in B-factor varies with the magnitude of the pressure depression--i.e., whether the entropy differences are small or large. Thus, it is not practical to state the uncertainty in computed B-factor without doing so for each and every computed data point--a rather formidable task. Suffice it to say that the tabulated B-factors are the best attainable, consistent with the "quasi-static" theory.

Example Problem

As an example we will assume that a B-factor is desired for liquid hydrogen when the initial temperature (T_{fl}) is 36.8 R and the

pressure depression (Δp_v) is 5.7 psi. From appendix B, page B7, the following values may be withdrawn:

$$\left\{\begin{array}{l} T_{fl} = 37.00 \text{ R}, \ \Delta p_v = 5.543 \text{ psia}, \ B = 2.085 \\ T_{fl} = 37.00 \text{ R}, \ \Delta p_v = 6.008 \text{ psia}, \ B = 2.379 \end{array}\right\}$$

$$\left\{\begin{array}{l} T_{fl} = 36.50 \text{ R}, \ \Delta p_v = 5.644 \text{ psia}, \ B = 2.546 \\ T_{fl} = 36.50 \text{ R}, \ \Delta p_v = 6.063 \text{ psia}, \ B = 2.884 \end{array}\right\}$$

Using straight line interpolation in the B's for each initial temperature gives the following results at a pressure depression of 5.7 psia:

$$T_{fl} = 37.00 \text{ R}, \ B = 2.1843$$

$$T_{fl} = 36.50 \text{ R}, \ B = 2.5912$$

Finally, a straight line interpolation in the B's at the initial temperature of 36.8 R results in a B-factor value of 2.3470.

The same type of interpolation can be used to obtain pressure depression if initial temperature and B-factor are known. If, for instance, the initial temperature is 36.8 R and B-factor is 2.3470, the following bracketing values would be withdrawn from the appendix:

$$\left\{\begin{array}{l} T_{fl} = 37.00 \text{ R}, \ \Delta p_v = 5.543 \text{ psia}, \ B = 2.085 \\ T_{fl} = 37.00 \text{ R}, \ \Delta p_v = 6.008 \text{ psia}, \ B = 2.379 \end{array}\right\}$$

$$\left\{\begin{array}{l} T_{fl} = 36.50 \text{ R}, \ \Delta p_v = 5.209 \text{ psia}, \ B = 2.229 \\ T_{fl} = 36.50 \text{ R}, \ \Delta p_v = 5.644 \text{ psia}, \ B = 2.546 \end{array}\right\}$$

Now we will interpolate in Δp_v using the B-factor value of 2.3470 and obtain the following for each initial temperature:

$$T_{f1} = 37.00 \text{ R}, \ \Delta p_v = 5.9574 \text{ psia}$$

$$T_{f1} = 36.50 \text{ R}, \ \Delta p_v = 5.3710 \text{ psia}$$

Finally, interpolating in these values for an initial temperature of 36.8 R gives a pressure depression of 5.7228 psia.

The difference between the 5.7228 psia and the originally assumed pressure depression of 5.7 psia is the error introduced in six linear interpolations. This error is only 0.4%, and in general the linear interpolation outlined here will provide maximum precision; however, for convenience, a graph of bracketing values may be plotted using an expanded scale and values read from the graph. Temperature depression can be found using the same interpolation technique used in this pressure depression example.

B-factors for the fluids treated in this paper have been plotted on figures 4a and 4b for comparison; an initial-temperature (T_{f1}) near the normal-boiling-point of each fluid was chosen for the comparison.

5. Nomenclature

B = ratio of vapor to liquid volume associated with the formation and sustenance of a fixed vaporous cavity in a liquid $[\equiv V_v/V_\ell]$

c_p = specific heat of liquid at constant pressure

h = pressure head $[\equiv p/\rho]$

Δh_v = reduction in saturation pressure head, caused by vaporization $[\equiv h_{f1} - h_{f2} = p_{f1}/\rho_{f1} - p_{f2}/\rho_{f2}]$

ΔH_f = change in specific enthalpy of liquid

ΔH_g = change in specific enthalpy of vapor (gas)

L = latent heat of vaporization

m = mass

p = pressure

Δp_v = reduction in saturation pressure of fluid involved in the cavitation process $[\equiv p_{f1} - p_{f2}]$

s = specific entropy

T = temperature

ΔT_v = reduction in saturation temperature corresponding to the reduction in saturation pressure, Δp_v

V_v = volume of saturated vapor associated with the formation and sustenance of a fixed vaporous cavity in a liquid

V_ℓ = volume of saturated liquid associated with the formation and sustenance of a fixed vaporous cavity in a liquid.

w = vaporized fraction of a unit mass of liquid involved in the cavitation process (defined by eq (2a)]

ρ = density

ρ_v = density of saturated vapor

ρ_ℓ = density of saturated liquid

Subscripts

f1 = denotes saturated liquid conditions at initial pressure

f2 = denotes saturated liquid conditions at final pressure

i = 1, 2, 3, . . . , n

n = last increment in a sum

v2 = denotes saturated vapor conditions at final pressure

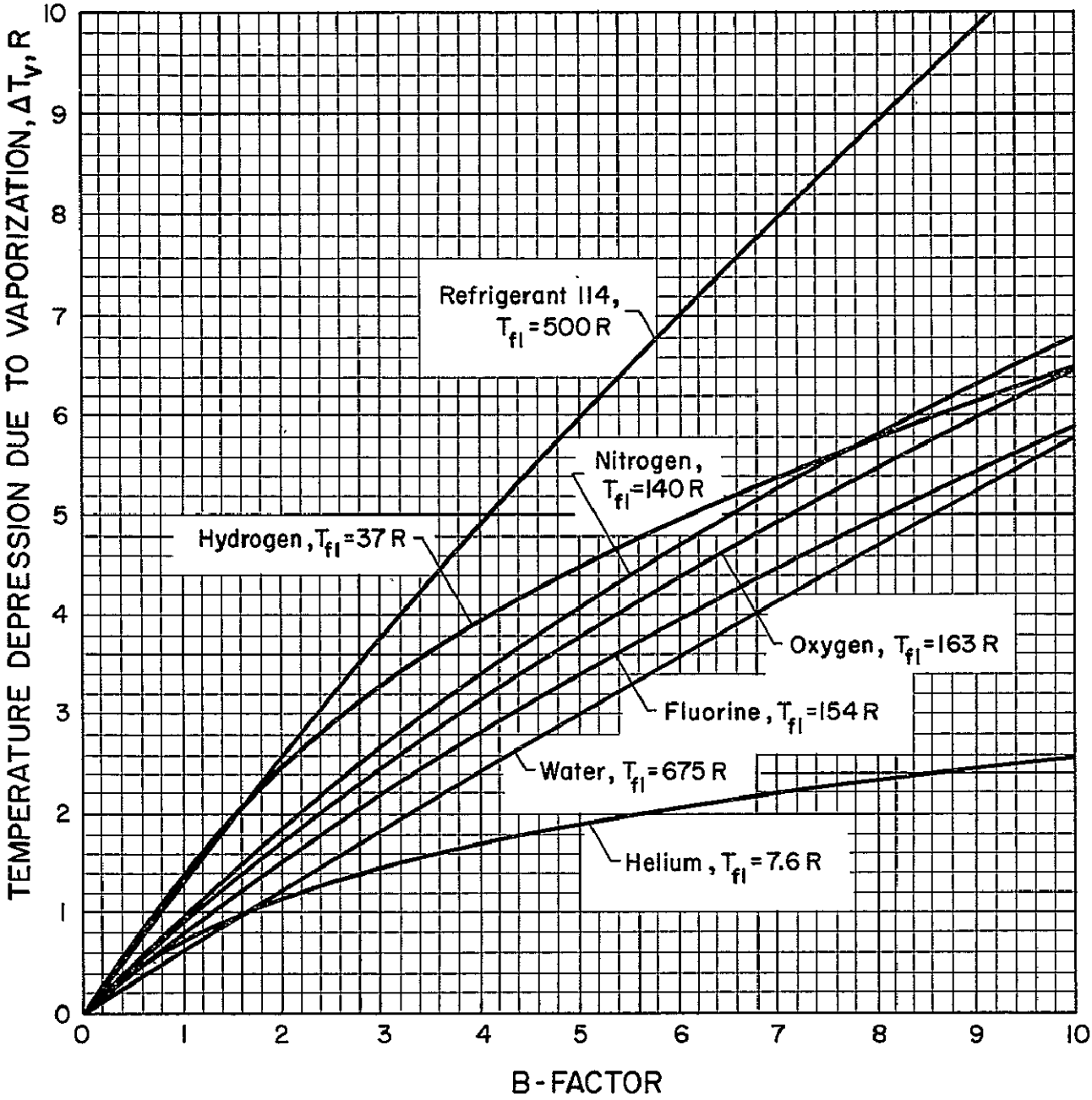

Figure 4a. B-factor and corresponding temperature depressions resulting from isentropic vaporization of various liquids.

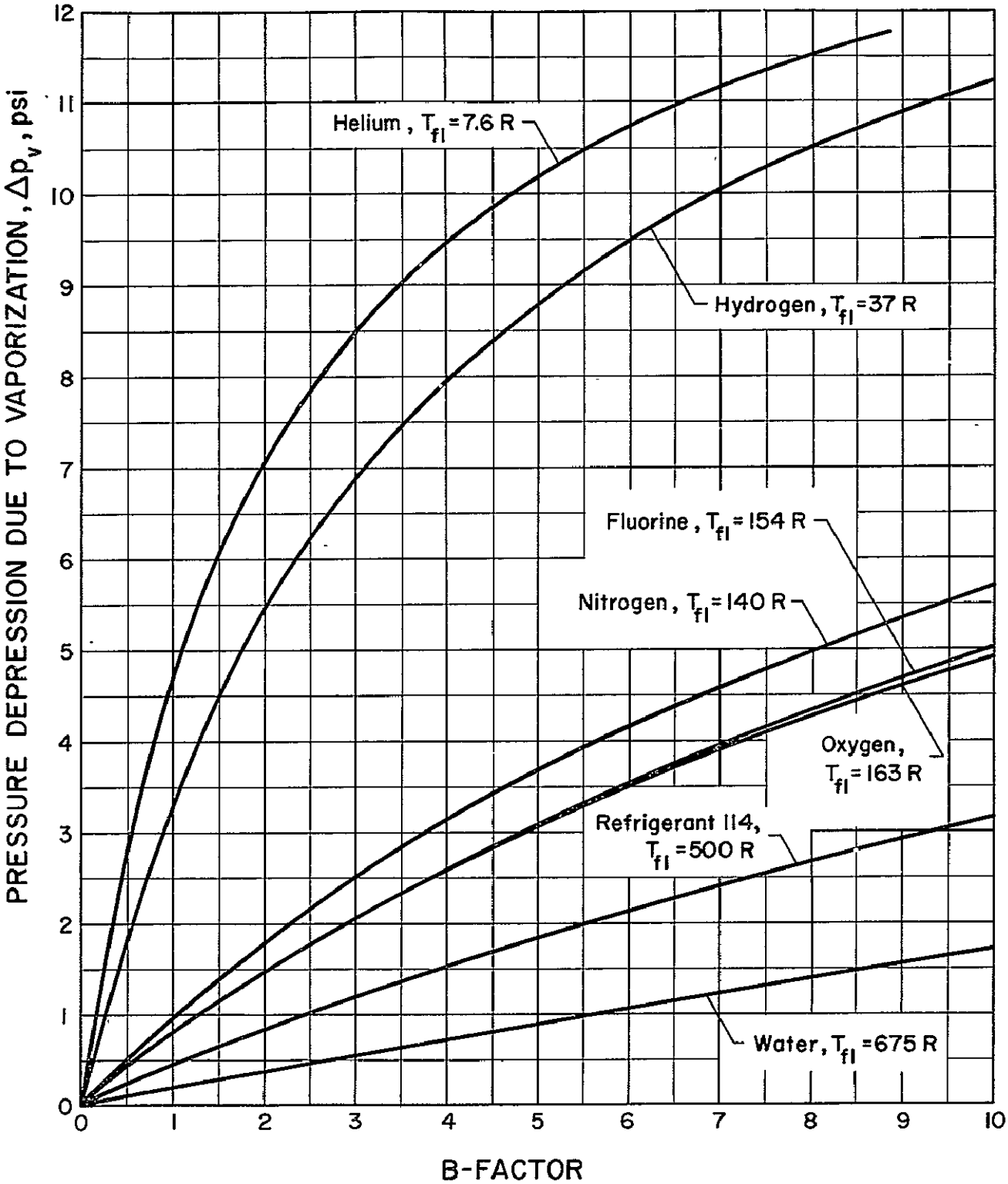

Figure 4b. B-factor and corresponding pressure depressions resulting from isentropic vaporization of various liquids.

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7. Appendices

(Tabulated Computations and Computer Interpolation Routine)

Symbols Used in Tables:

B = B-factor computed from eq (5)

DPV = $\Delta p_v = p_{f1} - p_{f2}$ = reduction in saturation pressure of fluid involved in the cavitation process

DTV = $\Delta T_v = T_{f1} - T_{f2}$ = reduction in saturation temperature corresponding to the reduction in pressure, DPV

PF1 = p_{f1} = initial saturation pressure

TF1 = T_{f1} = initial saturation temperature

Conversion Factors:

(degrees Rankine) (5/9) = degrees Kelvin

(psi) (6.894757×10^3) = Newton/meter^2

Note: The number of digits given in the tables are not justified on the basis of computational accuracy, but are presented to maintain internal consistency.

Appendix A: B-factors for helium, calculated from eq (5).

B FACTORS FOR HELIUM

TF1 (R)	PF1 (PSIA)	
9.00	28.347	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.14	1.661	0.179
0.28	3.252	0.360
0.42	4.775	0.547
0.56	6.231	0.743
0.70	7.622	0.951
0.84	8.951	1.175
0.98	10.220	1.415
1.12	11.430	1.674
1.26	12.583	1.956
1.40	13.682	2.263
1.54	14.727	2.598
1.68	15.720	2.964
1.82	16.663	3.367
1.96	17.558	3.809
2.10	18.405	4.297
2.24	19.206	4.836
2.38	19.963	5.434
2.52	20.676	6.097
2.66	21.348	6.836
2.80	21.979	7.661
2.94	22.570	8.585
3.08	23.123	9.624
3.22	23.639	10.794
3.36	24.119	12.117
3.50	24.565	13.619
3.64	24.978	15.332
3.78	25.359	17.293
3.92	25.709	19.549
4.06	26.031	22.159

TF1 (R)	PF1 (PSIA)	
8.80	25.995	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.12	1.342	0.133
0.24	2.635	0.271
0.36	3.879	0.416
0.48	5.076	0.570
0.60	6.226	0.733
0.72	7.332	0.908
0.84	8.394	1.095
0.96	9.414	1.297
1.08	10.392	1.513
1.20	11.330	1.747
1.32	12.229	2.000
1.44	13.090	2.275
1.56	13.913	2.572
1.68	14.701	2.896
1.80	15.453	3.248
1.92	16.170	3.632
2.04	16.855	4.051
2.16	17.506	4.510
2.28	18.125	5.013
2.40	18.714	5.566
2.52	19.271	6.174
2.64	19.800	6.844
2.76	20.299	7.584
2.88	20.771	8.404
3.00	21.216	9.314
3.12	21.634	10.327
3.24	22.026	11.456
3.36	22.394	12.720
3.48	22.738	14.139

TF1 (R)	PF1 (PSIA)	
8.60	23.786	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.12	1.260	0.124
0.24	2.472	0.255
0.36	3.638	0.395
0.48	4.759	0.545
0.60	5.835	0.707
0.72	6.869	0.881
0.84	7.861	1.069
0.96	8.812	1.273
1.08	9.724	1.494
1.20	10.597	1.734
1.32	11.433	1.994
1.44	12.233	2.278
1.56	12.996	2.588
1.68	13.725	2.927
1.80	14.421	3.297
1.92	15.083	3.703
2.04	15.713	4.149
2.16	16.311	4.639
2.28	16.879	5.179
2.40	17.417	5.775
2.52	17.927	6.434
2.64	18.407	7.164
2.76	18.861	7.976
2.88	19.288	8.879
3.00	19.689	9.888
3.12	20.065	11.018
3.24	20.416	12.286
3.36	20.745	13.714
3.48	21.051	15.320

8.40	21.712	
0.00	0.000	0.000
0.12	1.181	0.120
0.24	2.317	0.249
0.36	3.408	0.389
0.48	4.456	0.540
0.60	5.461	0.704
0.72	6.426	0.881
0.84	7.351	1.074
0.96	8.237	1.285
1.08	9.085	1.514
1.20	9.897	1.764
1.32	10.672	2.038
1.44	11.413	2.337
1.56	12.119	2.665
1.68	12.792	3.026
1.80	13.433	3.422
1.92	14.042	3.858
2.04	14.620	4.340
2.16	15.168	4.872
2.28	15.687	5.461
2.40	16.177	6.114
2.52	16.639	6.840
2.64	17.075	7.650
2.76	17.484	8.555
2.88	17.869	9.568
3.00	18.228	10.706
3.12	18.565	11.989
3.24	18.878	13.439
3.36	19.169	15.085
3.48	19.440	16.959

8.20	19.769	
0.00	0.000	0.000
0.10	0.925	0.099
0.20	1.819	0.206
0.30	2.683	0.320
0.40	3.518	0.443
0.50	4.325	0.574
0.60	5.104	0.716
0.70	5.856	0.868
0.80	6.581	1.032
0.90	7.280	1.209
1.00	7.954	1.400
1.10	8.602	1.606
1.20	9.227	1.828
1.30	9.827	2.069
1.40	10.404	2.329
1.50	10.958	2.612
1.60	11.490	2.918
1.70	11.999	3.250
1.80	12.487	3.611
1.90	12.954	4.003
2.00	13.401	4.431
2.10	13.827	4.898
2.20	14.234	5.408
2.30	14.621	5.965
2.40	14.989	6.576
2.50	15.340	7.247
2.60	15.672	7.984
2.70	15.987	8.796
2.80	16.285	9.692
2.90	16.567	10.683

8.00	17.951	
0.00	0.000	0.000
0.10	0.864	0.101
0.20	1.700	0.210
0.30	2.506	0.328
0.40	3.285	0.455
0.50	4.037	0.592
0.60	4.762	0.740
0.70	5.461	0.900
0.80	6.135	1.074
0.90	6.784	1.261
1.00	7.408	1.464
1.10	8.008	1.684
1.20	8.585	1.922
1.30	9.139	2.181
1.40	9.671	2.463
1.50	10.181	2.769
1.60	10.669	3.102
1.70	11.136	3.465
1.80	11.582	3.861
1.90	12.008	4.294
2.00	12.415	4.768
2.10	12.802	5.286
2.20	13.171	5.856
2.30	13.521	6.481
2.40	13.853	7.170
2.50	14.168	7.929
2.60	14.467	8.768
2.70	14.748	9.698
2.80	15.014	10.729
2.90	15.265	11.876

B FACTORS FOR HELIUM

TF1 (R)	PF1 (PSIA)	
7.80	16.251	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.10	0.807	0.105
0.20	1.586	0.218
0.30	2.338	0.341
0.40	3.063	0.475
0.50	3.762	0.619
0.60	4.435	0.776
0.70	5.084	0.946
0.80	5.708	1.131
0.90	6.309	1.331
1.00	6.886	1.550
1.10	7.440	1.787
1.20	7.971	2.045
1.30	8.481	2.327
1.40	8.969	2.634
1.50	9.436	2.970
1.60	9.883	3.337
1.70	10.309	3.738
1.80	10.715	4.178
1.90	11.103	4.660
2.00	11.471	5.190
2.10	11.822	5.774
2.20	12.154	6.417
2.30	12.469	7.127
2.40	12.767	7.913
2.50	13.049	8.785
2.60	13.315	9.753
2.70	13.565	10.832
2.80	13.801	12.036
2.90	14.022	13.385

TF1 (R)	PF1 (PSIA)	
7.60	14.665	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.10	0.752	0.110
0.20	1.477	0.229
0.30	2.176	0.359
0.40	2.850	0.500
0.50	3.498	0.654
0.60	4.123	0.822
0.70	4.723	1.004
0.80	5.300	1.203
0.90	5.854	1.421
1.00	6.386	1.657
1.10	6.895	1.916
1.20	7.383	2.199
1.30	7.850	2.508
1.40	8.297	2.847
1.50	8.723	3.219
1.60	9.130	3.626
1.70	9.517	4.075
1.80	9.886	4.568
1.90	10.236	5.112
2.00	10.568	5.712
2.10	10.883	6.376
2.20	11.181	7.111
2.30	11.463	7.928
2.40	11.729	8.837
2.50	11.979	9.850
2.60	12.215	10.983
2.70	12.436	12.253
2.80	12.643	13.681
2.90	12.836	15.292

TF1 (R)	PF1 (PSIA)	
7.40	13.188	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.08	0.561	0.092
0.16	1.106	0.191
0.24	1.635	0.297
0.32	2.148	0.411
0.40	2.646	0.533
0.48	3.128	0.664
0.56	3.595	0.805
0.64	4.048	0.956
0.72	4.485	1.118
0.80	4.909	1.293
0.88	5.318	1.481
0.96	5.714	1.683
1.04	6.096	1.900
1.12	6.464	2.134
1.20	6.820	2.386
1.28	7.163	2.658
1.36	7.492	2.951
1.44	7.810	3.268
1.52	8.115	3.610
1.60	8.409	3.980
1.68	8.690	4.381
1.76	8.960	4.814
1.84	9.219	5.285
1.92	9.467	5.796
2.00	9.704	6.352
2.08	9.931	6.957
2.16	10.148	7.616
2.24	10.354	8.335
2.32	10.551	9.122

7.20	11.816	
0.00	0.000	0.000
0.08	0.521	0.098
0.16	1.026	0.204
0.24	1.516	0.318
0.32	1.991	0.440
0.40	2.450	0.572
0.48	2.895	0.714
0.56	3.326	0.867
0.64	3.743	1.032
0.72	4.145	1.209
0.80	4.534	1.401
0.88	4.909	1.608
0.96	5.271	1.831
1.04	5.620	2.071
1.12	5.956	2.331
1.20	6.280	2.612
1.28	6.591	2.916
1.36	6.891	3.246
1.44	7.178	3.602
1.52	7.454	3.989
1.60	7.718	4.409
1.68	7.972	4.866
1.76	8.214	5.362
1.84	8.446	5.903
1.92	8.668	6.493
2.00	8.879	7.137
2.08	9.081	7.842
2.16	9.273	8.614
2.24	9.455	9.460
2.32	9.629	10.391

7.00	10.543	
0.00	0.000	0.000
0.08	0.482	0.105
0.16	0.949	0.219
0.24	1.402	0.342
0.32	1.840	0.475
0.40	2.263	0.619
0.48	2.672	0.774
0.56	3.068	0.942
0.64	3.450	1.123
0.72	3.819	1.318
0.80	4.174	1.530
0.88	4.517	1.760
0.96	4.847	2.008
1.04	5.164	2.277
1.12	5.469	2.568
1.20	5.763	2.884
1.28	6.044	3.228
1.36	6.315	3.601
1.44	6.573	4.007
1.52	6.821	4.449
1.60	7.059	4.931
1.68	7.285	5.457
1.76	7.502	6.032
1.84	7.708	6.661
1.92	7.905	7.350
2.00	8.092	8.107
2.08	8.270	8.939
2.16	8.439	9.854
2.24	8.599	10.865
2.32	8.751	11.982

6.80	9.365	
0.00	0.000	0.000
0.06	0.335	0.085
0.12	0.662	0.175
0.18	0.981	0.270
0.24	1.292	0.372
0.30	1.595	0.480
0.36	1.891	0.594
0.42	2.178	0.716
0.48	2.459	0.845
0.54	2.731	0.983
0.60	2.997	1.128
0.66	3.255	1.284
0.72	3.506	1.448
0.78	3.750	1.624
0.84	3.987	1.810
0.90	4.217	2.009
0.96	4.440	2.220
1.02	4.657	2.445
1.08	4.867	2.685
1.14	5.071	2.940
1.20	5.268	3.212
1.26	5.459	3.503
1.32	5.644	3.813
1.38	5.823	4.144
1.44	5.996	4.498
1.50	6.163	4.877
1.56	6.324	5.282
1.62	6.480	5.717
1.68	6.630	6.182
1.74	6.775	6.681

B FACTORS FOR HELIUM

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
6.60	8.280		6.40	7.282		6.20	6.368	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.06	0.308	0.092	0.06	0.283	0.101	0.04	0.173	0.074
0.12	0.609	0.191	0.12	0.558	0.209	0.08	0.343	0.151
0.18	0.902	0.295	0.18	0.826	0.325	0.12	0.509	0.232
0.24	1.187	0.407	0.24	1.086	0.448	0.16	0.673	0.316
0.30	1.465	0.526	0.30	1.340	0.580	0.20	0.833	0.405
0.36	1.735	0.652	0.36	1.586	0.720	0.24	0.990	0.497
0.42	1.998	0.787	0.42	1.825	0.870	0.28	1.144	0.594
0.48	2.254	0.930	0.48	2.058	1.031	0.32	1.295	0.695
0.54	2.502	1.083	0.54	2.283	1.202	0.36	1.443	0.802
0.60	2.744	1.245	0.60	2.502	1.385	0.40	1.589	0.913
0.66	2.979	1.419	0.66	2.714	1.580	0.44	1.731	1.029
0.72	3.206	1.604	0.72	2.920	1.789	0.48	1.870	1.151
0.78	3.428	1.801	0.78	3.120	2.013	0.52	2.007	1.278
0.84	3.642	2.011	0.84	3.313	2.252	0.56	2.140	1.412
0.90	3.850	2.235	0.90	3.500	2.508	0.60	2.271	1.552
0.96	4.052	2.475	0.96	3.681	2.782	0.64	2.399	1.698
1.02	4.247	2.731	1.02	3.855	3.076	0.68	2.525	1.852
1.08	4.436	3.004	1.08	4.025	3.391	0.72	2.647	2.012
1.14	4.619	3.296	1.14	4.188	3.729	0.76	2.767	2.181
1.20	4.796	3.609	1.20	4.345	4.092	0.80	2.884	2.358
1.26	4.967	3.944	1.26	4.498	4.482	0.84	2.999	2.543
1.32	5.132	4.302	1.32	4.644	4.901	0.88	3.111	2.738
1.38	5.291	4.686	1.38	4.785	5.352	0.92	3.221	2.942
1.44	5.445	5.098	1.44	4.921	5.837	0.96	3.328	3.156
1.50	5.594	5.541	1.50	5.052	6.361	1.00	3.432	3.380
1.56	5.737	6.016	1.56	5.178	6.925	1.04	3.534	3.616
1.62	5.874	6.527	1.62	5.299	7.535	1.08	3.634	3.864
1.68	6.007	7.077	1.68	5.415	8.194	1.12	3.731	4.124
1.74	6.134	7.669	1.74	5.526	8.907	1.16	3.825	4.398

6.00	5.536		5.80	4.780		5.60	4.097	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.04	0.157	0.082	0.04	0.142	0.092	0.02	0.064	0.051
0.08	0.311	0.168	0.08	0.282	0.188	0.04	0.128	0.103
0.12	0.463	0.258	0.12	0.418	0.289	0.06	0.191	0.157
0.16	0.611	0.352	0.16	0.552	0.396	0.08	0.253	0.212
0.20	0.756	0.452	0.20	0.683	0.508	0.10	0.315	0.269
0.24	0.898	0.556	0.24	0.811	0.625	0.12	0.376	0.327
0.28	1.037	0.665	0.28	0.936	0.749	0.14	0.436	0.387
0.32	1.174	0.779	0.32	1.059	0.879	0.16	0.496	0.448
0.36	1.308	0.899	0.36	1.179	1.016	0.18	0.555	0.511
0.40	1.438	1.025	0.40	1.296	1.159	0.20	0.613	0.576
0.44	1.567	1.157	0.44	1.410	1.311	0.22	0.671	0.642
0.48	1.692	1.295	0.48	1.522	1.470	0.24	0.728	0.710
0.52	1.814	1.440	0.52	1.632	1.637	0.26	0.784	0.780
0.56	1.934	1.593	0.56	1.739	1.813	0.28	0.840	0.851
0.60	2.052	1.753	0.60	1.843	1.998	0.30	0.895	0.925
0.64	2.166	1.921	0.64	1.945	2.193	0.32	0.949	1.001
0.68	2.278	2.098	0.68	2.045	2.398	0.34	1.003	1.078
0.72	2.388	2.283	0.72	2.142	2.615	0.36	1.056	1.158
0.76	2.495	2.478	0.76	2.237	2.842	0.38	1.109	1.240
0.80	2.599	2.683	0.80	2.329	3.082	0.40	1.161	1.324
0.84	2.701	2.898	0.84	2.419	3.335	0.42	1.212	1.410
0.88	2.801	3.125	0.88	2.507	3.602	0.44	1.263	1.498
0.92	2.898	3.363	0.92	2.593	3.884	0.46	1.313	1.589
0.96	2.993	3.613	0.96	2.676	4.181	0.48	1.362	1.683
1.00	3.085	3.877	1.00	2.757	4.494	0.50	1.411	1.779
1.04	3.175	4.155	1.04	2.836	4.825	0.52	1.459	1.877
1.08	3.263	4.447	1.08	2.913	5.175	0.54	1.507	1.979
1.12	3.349	4.755	1.12	2.988	5.545	0.56	1.554	2.083
1.16	3.432	5.080	1.16	3.060	5.936	0.58	1.601	2.189

Appendix B: B-factors for parahydrogen, calculated from eq (5).

B FACTORS FOR PARAHYDROGEN

TF1 (R) 56.00 PF1 (PSIA) 142.026

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.55	6.543	0.123
1.10	12.861	0.252
1.65	18.960	0.389
2.20	24.846	0.533
2.75	30.525	0.686
3.30	36.004	0.850
3.85	41.289	1.024
4.40	46.387	1.210
4.95	51.302	1.409
5.50	56.037	1.622
6.05	60.596	1.851
6.60	64.984	2.096
7.15	69.204	2.360
7.70	73.258	2.643
8.25	77.152	2.948
8.80	80.889	3.277
9.35	84.472	3.631
9.90	87.904	4.014
10.45	91.190	4.428
11.00	94.333	4.875
11.55	97.337	5.360
12.10	100.204	5.886
12.65	102.939	6.457
13.20	105.545	7.078
13.75	108.025	7.754
14.30	110.383	8.491
14.85	112.623	9.295
15.40	114.747	10.174
15.95	116.760	11.137

TF1 (R) 55.50 PF1 (PSIA) 136.069

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.55	6.338	0.119
1.10	12.457	0.245
1.65	18.362	0.379
2.20	24.060	0.521
2.75	29.557	0.673
3.30	34.859	0.835
3.85	39.974	1.009
4.40	44.905	1.195
4.95	49.656	1.394
5.50	54.232	1.608
6.05	58.635	1.838
6.60	62.870	2.085
7.15	66.939	2.352
7.70	70.848	2.638
8.25	74.598	2.948
8.80	78.195	3.281
9.35	81.641	3.642
9.90	84.940	4.032
10.45	88.096	4.455
11.00	91.112	4.913
11.55	93.992	5.409
12.10	96.739	5.949
12.65	99.356	6.537
13.20	101.848	7.176
13.75	104.217	7.874
14.30	106.467	8.636
14.85	108.601	9.470
15.40	110.624	10.384
15.95	112.538	11.386

TF1 (R) 55.00 PF1 (PSIA) 130.298

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.55	6.139	0.117
1.10	12.063	0.241
1.65	17.780	0.373
2.20	23.294	0.514
2.75	28.614	0.665
3.30	33.746	0.827
3.85	38.693	1.001
4.40	43.461	1.188
4.95	48.052	1.388
5.50	52.471	1.604
6.05	56.721	1.836
6.60	60.805	2.087
7.15	64.728	2.357
7.70	68.493	2.648
8.25	72.103	2.963
8.80	75.563	3.303
9.35	78.875	3.671
9.90	82.044	4.071
10.45	85.073	4.504
11.00	87.964	4.974
11.55	90.723	5.485
12.10	93.352	6.042
12.65	95.855	6.648
13.20	98.235	7.310
13.75	100.496	8.033
14.30	102.641	8.825
14.85	104.674	9.693
15.40	106.597	10.645
15.95	108.415	11.692

54.50 124.709

0.00	0.000	0.000
0.55	5.944	0.115
1.10	11.679	0.238
1.65	17.212	0.369
2.20	22.549	0.510
2.75	27.697	0.662
3.30	32.661	0.824
3.85	37.445	0.999
4.40	42.052	1.187
4.95	46.487	1.390
5.50	50.752	1.608
6.05	54.851	1.844
6.60	58.788	2.098
7.15	62.567	2.373
7.70	66.192	2.670
8.25	69.665	2.991
8.80	72.991	3.339
9.35	76.172	3.717
9.90	79.213	4.127
10.45	82.118	4.572
11.00	84.888	5.057
11.55	87.529	5.585
12.10	90.043	6.160
12.65	92.434	6.788
13.20	94.706	7.476
13.75	96.861	8.228
14.30	98.904	9.053
14.85	100.837	9.959
15.40	102.665	10.956
15.95	104.389	12.054

54.00 119.297

0.00	0.000	0.000
0.55	5.754	0.114
1.10	11.305	0.236
1.65	16.659	0.368
2.20	21.825	0.509
2.75	26.805	0.661
3.30	31.606	0.825
3.85	36.229	1.002
4.40	40.678	1.192
4.95	44.959	1.397
5.50	49.073	1.619
6.05	53.025	1.859
6.60	56.818	2.118
7.15	60.457	2.398
7.70	63.943	2.702
8.25	67.282	3.031
8.80	70.477	3.389
9.35	73.531	3.777
9.90	76.447	4.199
10.45	79.230	4.659
11.00	81.882	5.160
11.55	84.408	5.706
12.10	86.810	6.303
12.65	89.092	6.956
13.20	91.258	7.672
13.75	93.311	8.457
14.30	95.254	9.319
14.85	97.091	10.269
15.40	98.825	11.315
15.95	100.459	12.469

53.50 114.057

0.00	0.000	0.000
0.55	5.569	0.114
1.10	10.941	0.236
1.65	16.124	0.368
2.20	21.121	0.510
2.75	25.937	0.664
3.30	30.576	0.829
3.85	35.042	1.008
4.40	39.337	1.201
4.95	43.466	1.410
5.50	47.433	1.636
6.05	51.241	1.880
6.60	54.893	2.145
7.15	58.393	2.433
7.70	61.746	2.744
8.25	64.953	3.083
8.80	68.019	3.451
9.35	70.948	3.851
9.90	73.743	4.287
10.45	76.407	4.763
11.00	78.944	5.282
11.55	81.357	5.849
12.10	83.650	6.470
12.65	85.826	7.151
13.20	87.889	7.899
13.75	89.842	8.720
14.30	91.689	9.625
14.85	93.432	10.622
15.40	95.075	11.723
15.95	96.616	12.941

B FACTORS FOR PARAHYDROGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
53.00	108.986		52.50	104.079		52.00	99.329	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.55	5.390	0.114	0.50	4.750	0.104	0.50	4.596	0.105
1.10	10.589	0.237	1.00	9.346	0.216	1.00	9.042	0.218
1.65	15.603	0.370	1.50	13.791	0.336	1.50	13.339	0.339
2.20	20.436	0.514	2.00	18.089	0.464	2.00	17.491	0.470
2.75	25.091	0.669	2.50	22.241	0.603	2.50	21.501	0.611
3.30	29.572	0.837	3.00	26.251	0.752	3.00	25.372	0.763
3.85	33.883	1.018	3.50	30.121	0.913	3.50	29.105	0.927
4.40	38.027	1.215	4.00	33.855	1.085	4.00	32.704	1.103
4.95	42.008	1.428	4.50	37.454	1.271	4.50	36.172	1.293
5.50	45.830	1.659	5.00	40.922	1.471	5.00	39.512	1.498
6.05	49.496	1.909	5.50	44.261	1.687	5.50	42.725	1.719
6.60	53.010	2.180	6.00	47.475	1.919	6.00	45.815	1.958
7.15	56.376	2.475	6.50	50.565	2.170	6.50	48.784	2.217
7.70	59.596	2.796	7.00	53.534	2.440	7.00	51.635	2.496
8.25	62.675	3.145	7.50	56.385	2.733	7.50	54.372	2.798
8.80	65.617	3.524	8.00	59.121	3.049	8.00	56.995	3.125
9.35	68.423	3.938	8.50	61.745	3.391	8.50	59.508	3.479
9.90	71.099	4.390	9.00	64.258	3.761	9.00	61.914	3.863
10.45	73.647	4.883	9.50	66.664	4.162	9.50	64.215	4.280
11.00	76.072	5.423	10.00	68.965	4.597	10.00	66.414	4.733
11.55	78.376	6.014	10.50	71.164	5.069	10.50	68.513	5.226
12.10	80.562	6.662	11.00	73.263	5.583	11.00	70.516	5.762
12.65	82.635	7.374	11.50	75.266	6.141	11.50	72.423	6.346
13.20	84.598	8.156	12.00	77.173	6.750	12.00	74.239	6.984
13.75	86.454	9.018	12.50	78.989	7.413	12.50	75.966	7.681
14.30	88.207	9.969	13.00	80.716	8.137	13.00	77.606	8.443
14.85	89.859	11.020	13.50	82.355	8.929	13.50	79.161	9.278
15.40	91.408	12.183	14.00	83.911	9.796	14.00	80.635	10.193
15.95	92.874	13.472	14.50	85.385	10.746	14.50	82.024	11.198

51.50	94.733		51.00	90.287		50.50	85.990	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.50	4.445	0.106	0.50	4.297	0.108	0.50	4.152	0.110
1.00	8.743	0.221	1.00	8.450	0.224	1.00	8.162	0.228
1.50	12.895	0.344	1.50	12.460	0.350	1.50	12.033	0.357
2.00	16.905	0.477	2.00	16.330	0.486	2.00	15.766	0.495
2.50	20.775	0.621	2.50	20.063	0.632	2.50	19.365	0.646
3.00	24.509	0.776	3.00	23.663	0.791	3.00	22.833	0.808
3.50	28.108	0.943	3.50	27.131	0.963	3.50	26.172	0.984
4.00	31.576	1.124	4.00	30.470	1.148	4.00	29.386	1.175
4.50	34.915	1.319	4.50	33.683	1.348	4.50	32.476	1.382
5.00	38.129	1.530	5.00	36.773	1.565	5.00	35.445	1.605
5.50	41.219	1.757	5.50	39.743	1.800	5.50	38.296	1.848
6.00	44.188	2.004	6.00	42.594	2.054	6.00	41.032	2.111
6.50	47.039	2.270	6.50	45.330	2.330	6.50	43.656	2.397
7.00	49.775	2.559	7.00	47.953	2.629	7.00	46.169	2.707
7.50	52.399	2.871	7.50	50.467	2.953	7.50	48.575	3.044
8.00	54.912	3.210	8.00	52.873	3.306	8.00	50.876	3.411
8.50	57.318	3.578	8.50	55.174	3.688	8.50	53.075	3.810
9.00	59.619	3.978	9.00	57.373	4.105	9.00	55.174	4.246
9.50	61.818	4.412	9.50	59.472	4.559	9.50	57.177	4.720
10.00	63.917	4.885	10.00	61.474	5.053	10.00	59.084	5.239
10.50	65.919	5.400	10.50	63.382	5.593	10.50	60.900	5.805
11.00	67.827	5.961	11.00	65.198	6.182	11.00	62.627	6.425
11.50	69.643	6.575	11.50	66.924	6.827	11.50	64.267	7.105
12.00	71.370	7.245	12.00	68.564	7.533	12.00	65.822	7.850
12.50	73.009	7.978	12.50	70.120	8.307	12.50	67.296	8.669
13.00	74.565	8.782	13.00	71.593	9.156	13.00	68.685	9.569
13.50	76.039	9.664	13.50	72.982	10.090	13.50	70.006	10.561
14.00	77.428	10.632	14.00	74.303	11.118	14.00	71.253	11.654
14.50	78.749	11.698	14.50	75.550	12.251	14.50	72.428	12.840

B FACTORS FOR PARAHYDROGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
50.00	81.837		49.50	77.827		49.00	73.957	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.45	3.615	0.100	0.45	3.489	0.102	0.45	3.366	0.105
0.90	7.117	0.208	0.90	6.868	0.212	0.90	6.624	0.218
1.35	10.508	0.324	1.35	10.137	0.331	1.35	9.774	0.339
1.80	13.789	0.448	1.80	13.299	0.459	1.80	12.820	0.470
2.25	16.963	0.582	2.25	16.357	0.596	2.25	15.762	0.612
2.70	20.032	0.726	2.70	19.311	0.744	2.70	18.604	0.764
3.15	22.997	0.880	3.15	22.163	0.903	3.15	21.347	0.929
3.60	25.861	1.047	3.60	24.917	1.075	3.60	23.992	1.106
4.05	28.626	1.226	4.05	27.573	1.260	4.05	26.543	1.297
4.50	31.293	1.418	4.50	30.134	1.459	4.50	29.000	1.504
4.95	33.864	1.626	4.95	32.602	1.674	4.95	31.366	1.726
5.40	36.342	1.849	5.40	34.978	1.905	5.40	33.643	1.967
5.85	38.728	2.090	5.85	37.264	2.155	5.85	35.832	2.227
6.30	41.025	2.349	6.30	39.463	2.424	6.30	37.936	2.507
6.75	43.233	2.628	6.75	41.576	2.716	6.75	39.956	2.811
7.20	45.356	2.930	7.20	43.606	3.030	7.20	41.894	3.140
7.65	47.394	3.256	7.65	45.553	3.370	7.65	43.753	3.496
8.10	49.351	3.608	8.10	47.420	3.738	8.10	45.533	3.882
8.55	51.227	3.988	8.55	49.209	4.137	8.55	47.238	4.300
9.00	53.024	4.400	9.00	50.922	4.569	9.00	48.868	4.754
9.45	54.745	4.846	9.45	52.561	5.038	9.45	50.426	5.248
9.90	56.392	5.329	9.90	54.126	5.547	9.90	51.913	5.785
10.35	57.966	5.854	10.35	55.621	6.100	10.35	53.332	6.369
10.80	59.469	6.424	10.80	57.048	6.701	10.80	54.683	7.005
11.25	60.902	7.043	11.25	58.407	7.356	11.25	55.963	7.700
11.70	62.269	7.717	11.70	59.701	8.070	11.70	57.190	8.457
12.15	63.570	8.450	12.15	60.927	8.849	12.15	58.355	9.286
12.60	64.803	9.251	12.60	62.099	9.699	12.60	59.461	10.173
13.05	65.982	10.124	13.05	63.211	10.610	13.05	60.510	11.165

48.50	70.224		48.00	66.624		47.50	63.156	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.45	3.245	0.107	0.45	3.127	0.110	0.45	3.011	0.113
0.90	6.384	0.223	0.90	6.150	0.229	0.90	5.920	0.236
1.35	9.418	0.348	1.35	9.070	0.358	1.35	8.728	0.369
1.80	12.349	0.483	1.80	11.889	0.497	1.80	11.438	0.513
2.25	15.180	0.629	2.25	14.610	0.648	2.25	14.052	0.668
2.70	17.912	0.787	2.70	17.234	0.811	2.70	16.571	0.837
3.15	20.547	0.956	3.15	19.764	0.987	3.15	18.998	1.019
3.60	23.087	1.140	3.60	22.201	1.177	3.60	21.334	1.217
4.05	25.534	1.338	4.05	24.547	1.383	4.05	23.581	1.431
4.50	27.890	1.552	4.50	26.804	1.605	4.50	25.742	1.662
4.95	30.157	1.784	4.95	28.974	1.846	4.95	27.818	1.914
5.40	32.336	2.034	5.40	31.059	2.107	5.40	29.810	2.186
5.85	34.431	2.305	5.85	33.061	2.390	5.85	31.722	2.482
6.30	36.442	2.598	6.30	34.981	2.696	6.30	33.554	2.803
6.75	38.371	2.915	6.75	36.822	3.029	6.75	35.309	3.152
7.20	40.221	3.259	7.20	38.586	3.390	7.20	36.988	3.531
7.65	41.993	3.633	7.65	40.273	3.782	7.65	38.594	3.944
8.10	43.689	4.038	8.10	41.887	4.208	8.10	40.128	4.394
8.55	45.311	4.478	8.55	43.429	4.672	8.55	41.593	4.883
9.00	46.861	4.957	9.00	44.901	5.177	9.00	42.989	5.418
9.45	48.340	5.478	9.45	46.305	5.728	9.45	44.319	6.001
9.90	49.752	6.045	9.90	47.642	6.329	9.90	45.578	6.639
10.35	51.096	6.663	10.35	48.908	6.985	10.35	46.784	7.336
10.80	52.369	7.338	10.80	50.121	7.702	10.80	47.930	8.100
11.25	53.589	8.076	11.25	51.273	8.487	11.25	49.016	8.922
11.70	54.748	8.882	11.70	52.366	9.330	11.70	50.046	9.840
12.15	55.847	9.747	12.15	53.402	10.273	12.15	51.020	10.851
12.60	56.889	10.714	12.60	54.382	11.309	12.60	51.941	11.964
13.05	57.876	11.776	13.05	55.309	12.449	13.05	52.810	13.192

B FACTORS FOR PARAHYDROGEN

TF1 (R)	PF1 (PSIA)
47.00	59.817

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.45	2.898	0.117
0.90	5.695	0.243
1.35	8.394	0.381
1.80	10.997	0.529
2.25	13.506	0.690
2.70	15.923	0.865
3.15	18.249	1.055
3.60	20.486	1.260
4.05	22.637	1.483
4.50	24.704	1.725
4.95	26.687	1.987
5.40	28.590	2.272
5.85	30.413	2.582
6.30	32.160	2.919
6.75	33.831	3.286
7.20	35.429	3.685
7.65	36.955	4.121
8.10	38.412	4.596
8.55	39.801	5.114
9.00	41.123	5.680
9.45	42.376	6.300
9.90	43.575	6.978
10.35	44.714	7.721
10.80	45.794	8.521
11.25	46.817	9.416
11.70	47.786	10.401
12.15	48.701	11.487
12.60	49.564	12.686
13.05	50.378	14.011

TF1 (R)	PF1 (PSIA)
46.50	56.604

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.45	2.786	0.120
0.90	5.475	0.251
1.35	8.067	0.393
1.80	10.566	0.547
2.25	12.972	0.714
2.70	15.289	0.896
3.15	17.516	1.093
3.60	19.658	1.307
4.05	21.715	1.540
4.50	23.689	1.792
4.95	25.583	2.067
5.40	27.398	2.366
5.85	29.136	2.691
6.30	30.799	3.046
6.75	32.389	3.432
7.20	33.907	3.853
7.65	35.356	4.313
8.10	36.738	4.816
8.55	38.053	5.365
9.00	39.299	5.966
9.45	40.491	6.625
9.90	41.624	7.348
10.35	42.697	8.127
10.80	43.714	8.998
11.25	44.677	9.959
11.70	45.586	11.018
12.15	46.444	12.188
12.60	47.252	13.483
13.05	48.013	14.918

TF1 (R)	PF1 (PSIA)
46.00	53.514

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.40	2.385	0.110
0.80	4.694	0.229
1.20	6.929	0.356
1.60	9.090	0.494
2.00	11.180	0.642
2.40	13.199	0.802
2.80	15.150	0.973
3.20	17.032	1.158
3.60	18.848	1.358
4.00	20.599	1.573
4.40	22.287	1.805
4.80	23.911	2.055
5.20	25.475	2.324
5.60	26.979	2.616
6.00	28.425	2.930
6.40	29.813	3.270
6.80	31.145	3.638
7.20	32.423	4.035
7.60	33.648	4.466
8.00	34.820	4.932
8.40	35.936	5.438
8.80	37.011	5.987
9.20	38.038	6.583
9.60	39.018	7.217
10.00	39.953	7.921
10.40	40.843	8.687
10.80	41.690	9.523
11.20	42.496	10.436
11.60	43.261	11.434

TF1 (R)	PF1 (PSIA)
45.50	50.545

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.40	2.290	0.114
0.80	4.507	0.237
1.20	6.650	0.369
1.60	8.722	0.512
2.00	10.724	0.666
2.40	12.657	0.832
2.80	14.523	1.011
3.20	16.323	1.204
3.60	18.058	1.413
4.00	19.729	1.638
4.40	21.339	1.881
4.80	22.887	2.143
5.20	24.377	2.427
5.60	25.808	2.733
6.00	27.182	3.065
6.40	28.500	3.424
6.80	29.765	3.812
7.20	30.976	4.234
7.60	32.136	4.690
8.00	33.240	5.186
8.40	34.303	5.724
8.80	35.318	6.309
9.20	36.287	6.932
9.60	37.210	7.624
10.00	38.090	8.378
10.40	38.926	9.201
10.80	39.722	10.100
11.20	40.477	11.084
11.60	41.193	12.162

TF1 (R)	PF1 (PSIA)
45.00	47.693

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.40	2.198	0.118
0.80	4.323	0.245
1.20	6.378	0.383
1.60	8.362	0.531
2.00	10.279	0.692
2.40	12.128	0.865
2.80	13.911	1.052
3.20	15.630	1.254
3.60	17.286	1.472
4.00	18.880	1.708
4.40	20.414	1.963
4.80	21.888	2.239
5.20	23.305	2.538
5.60	24.665	2.861
6.00	25.970	3.211
6.40	27.221	3.591
6.80	28.420	4.003
7.20	29.567	4.449
7.60	30.659	4.935
8.00	31.709	5.462
8.40	32.713	6.036
8.80	33.670	6.648
9.20	34.583	7.328
9.60	35.451	8.069
10.00	36.278	8.879
10.40	37.063	9.766
10.80	37.808	10.736
11.20	38.514	11.800
11.60	39.183	12.968

TF1 (R)	PF1 (PSIA)
44.50	44.957

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.40	2.108	0.122
0.80	4.144	0.255
1.20	6.112	0.398
1.60	8.011	0.552
2.00	9.844	0.719
2.40	11.611	0.900
2.80	13.314	1.096
3.20	14.954	1.307
3.60	16.533	1.536
4.00	18.052	1.784
4.40	19.512	2.052
4.80	20.914	2.343
5.20	22.260	2.658
5.60	23.552	3.000
6.00	24.790	3.370
6.40	25.975	3.772
6.80	27.103	4.209
7.20	28.190	4.684
7.60	29.229	5.201
8.00	30.220	5.763
8.40	31.166	6.365
8.80	32.068	7.032
9.20	32.926	7.762
9.60	33.742	8.559
10.00	34.517	9.432
10.40	35.252	10.388
10.80	35.949	11.438
11.20	36.609	12.591
11.60	37.233	13.861

B FACTORS FOR PARAHYDROGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
44.00	42.334		43.50	39.820		43.00	37.415	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.35	1.771	0.111	0.35	1.695	0.115	0.35	1.622	0.120
0.70	3.488	0.229	0.70	3.339	0.238	0.70	3.193	0.248
1.05	5.154	0.356	1.05	4.931	0.371	1.05	4.714	0.387
1.40	6.768	0.493	1.40	6.474	0.513	1.40	6.187	0.535
1.75	8.332	0.639	1.75	7.968	0.666	1.75	7.612	0.695
2.10	9.847	0.795	2.10	9.413	0.830	2.10	8.991	0.867
2.45	11.313	0.963	2.45	10.811	1.006	2.45	10.323	1.052
2.80	12.731	1.143	2.80	12.163	1.195	2.80	11.610	1.250
3.15	14.103	1.336	3.15	13.469	1.398	3.15	12.852	1.464
3.50	15.429	1.544	3.50	14.731	1.616	3.50	14.052	1.694
3.85	16.709	1.766	3.85	15.949	1.850	3.85	15.208	1.941
4.20	17.946	2.005	4.20	17.124	2.102	4.20	16.324	2.207
4.55	19.139	2.261	4.55	18.257	2.372	4.55	17.398	2.493
4.90	20.290	2.536	4.90	19.348	2.663	4.90	18.432	2.801
5.25	21.399	2.832	5.25	20.400	2.976	5.25	19.421	3.133
5.60	22.467	3.150	5.60	21.412	3.314	5.60	20.380	3.492
5.95	23.496	3.492	5.95	22.379	3.677	5.95	21.302	3.878
6.30	24.479	3.860	6.30	23.317	4.068	6.30	22.188	4.295
6.65	25.433	4.256	6.65	24.218	4.489	6.65	23.038	4.736
7.00	26.350	4.682	7.00	25.084	4.944	7.00	23.853	5.221
7.35	27.231	5.142	7.35	25.914	5.425	7.35	24.635	5.746
7.70	28.076	5.627	7.70	26.710	5.955	7.70	25.383	6.314
8.05	28.886	6.161	8.05	27.472	6.527	8.05	26.099	6.929
8.40	29.663	6.737	8.40	28.202	7.147	8.40	26.784	7.596
8.75	30.407	7.361	8.75	28.900	7.817	8.75	27.438	8.320
9.10	31.118	8.036	9.10	29.568	8.545	9.10	28.063	9.106
9.45	31.799	8.766	9.45	30.205	9.333	9.45	28.658	9.960
9.80	32.449	9.558	9.80	30.812	10.190	9.80	29.226	10.889
10.15	33.069	10.417	10.15	31.392	11.121	10.15	29.766	11.902

42.50	35.113		42.00	32.915		41.50	30.815	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.35	1.550	0.125	0.35	1.480	0.130	0.35	1.412	0.136
0.70	3.050	0.259	0.70	2.912	0.271	0.70	2.777	0.283
1.05	4.503	0.404	1.05	4.296	0.422	1.05	4.096	0.442
1.40	5.908	0.560	1.40	5.635	0.585	1.40	5.370	0.614
1.75	7.266	0.727	1.75	6.929	0.761	1.75	6.600	0.799
2.10	8.579	0.907	2.10	8.178	0.951	2.10	7.787	0.998
2.45	9.847	1.101	2.45	9.383	1.155	2.45	8.932	1.214
2.80	11.071	1.310	2.80	10.546	1.376	2.80	10.035	1.446
3.15	12.252	1.536	3.15	11.667	1.613	3.15	11.098	1.697
3.50	13.390	1.778	3.50	12.747	1.869	3.50	12.121	1.969
3.85	14.488	2.039	3.85	13.787	2.146	3.85	13.099	2.262
4.20	15.545	2.320	4.20	14.788	2.444	4.20	14.048	2.579
4.55	16.563	2.624	4.55	15.745	2.766	4.55	14.960	2.921
4.90	17.535	2.951	4.90	16.673	3.114	4.90	15.835	3.292
5.25	18.479	3.304	5.25	17.563	3.490	5.25	16.675	3.687
5.60	19.385	3.685	5.60	18.419	3.890	5.60	17.481	4.120
5.95	20.255	4.097	5.95	19.239	4.329	5.95	18.253	4.591
6.30	21.090	4.534	6.30	20.025	4.804	6.30	18.992	5.101
6.65	21.891	5.014	6.65	20.778	5.320	6.65	19.699	5.655
7.00	22.658	5.535	7.00	21.499	5.878	7.00	20.375	6.257
7.35	23.393	6.098	7.35	22.188	6.485	7.35	21.020	6.911
7.70	24.096	6.709	7.70	22.847	7.143	7.70	21.637	7.623
8.05	24.767	7.372	8.05	23.475	7.860	8.05	22.224	8.398
8.40	25.408	8.092	8.40	24.075	8.639	8.40	22.783	9.244
8.75	26.020	8.874	8.75	24.646	9.487	8.75	23.316	10.166
9.10	26.604	9.726	9.10	25.190	10.412	9.10	23.822	11.175
9.45	27.159	10.653	9.45	25.707	11.422	9.45	24.302	12.277
9.80	27.688	11.664	9.80	26.199	12.526	9.80	24.758	13.485
10.15	28.190	12.768	10.15	26.665	13.733	10.15	25.190	14.809

B FACTORS FOR PARAHYDROGEN

TF1 (R)	PF1 (PSIA)	
41.00	28.813	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.35	1.345	0.143
0.70	2.645	0.297
1.05	3.900	0.464
1.40	5.112	0.644
1.75	6.281	0.839
2.10	7.408	1.049
2.45	8.494	1.277
2.80	9.539	1.523
3.15	10.546	1.789
3.50	11.508	2.077
3.85	12.441	2.388
4.20	13.337	2.725
4.55	14.197	3.085
4.90	15.022	3.480
5.25	15.813	3.908
5.60	16.571	4.373
5.95	17.296	4.878
6.30	17.990	5.427
6.65	18.653	6.024
7.00	19.286	6.673
7.35	19.890	7.381
7.70	20.465	8.152
8.05	21.013	8.994
8.40	21.534	9.914
8.75	22.029	10.921
9.10	22.498	12.023
9.45	22.944	13.231
9.80	23.366	14.557
10.15	23.765	16.014

TF1 (R)	PF1 (PSIA)	
40.50	26.905	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.30	1.100	0.128
0.60	2.168	0.264
0.90	3.204	0.410
1.20	4.209	0.566
1.50	5.182	0.734
1.80	6.125	0.913
2.10	7.039	1.104
2.40	7.923	1.309
2.70	8.779	1.529
3.00	9.600	1.764
3.30	10.402	2.016
3.60	11.177	2.286
3.90	11.925	2.575
4.20	12.647	2.880
4.50	13.344	3.211
4.80	14.016	3.568
5.10	14.663	3.950
5.40	15.287	4.360
5.70	15.887	4.801
6.00	16.465	5.275
6.30	17.020	5.785
6.60	17.553	6.334
6.90	18.066	6.926
7.20	18.557	7.563
7.50	19.028	8.251
7.80	19.480	8.992
8.10	19.912	9.794
8.40	20.325	10.660
8.70	20.720	11.597

TF1 (R)	PF1 (PSIA)	
40.00	25.089	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.30	1.046	0.134
0.60	2.061	0.277
0.90	3.045	0.431
1.20	3.998	0.596
1.50	4.922	0.772
1.80	5.816	0.962
2.10	6.681	1.164
2.40	7.511	1.382
2.70	8.322	1.615
3.00	9.106	1.864
3.30	9.863	2.132
3.60	10.593	2.415
3.90	11.299	2.723
4.20	11.979	3.054
4.50	12.634	3.409
4.80	13.266	3.791
5.10	13.874	4.201
5.40	14.459	4.643
5.70	15.022	5.118
6.00	15.562	5.629
6.30	16.081	6.181
6.60	16.580	6.775
6.90	17.057	7.417
7.20	17.515	8.109
7.50	17.954	8.858
7.80	18.374	9.667
8.10	18.775	10.543
8.40	19.158	11.491
8.70	19.524	12.520

39.50	23.363	
0.00	0.000	0.000
0.30	0.994	0.141
0.60	1.958	0.292
0.90	2.891	0.454
1.20	3.794	0.628
1.50	4.669	0.814
1.80	5.508	1.014
2.10	6.328	1.229
2.40	7.121	1.460
2.70	7.887	1.708
3.00	8.626	1.974
3.30	9.340	2.255
3.60	10.028	2.561
3.90	10.692	2.891
4.20	11.331	3.245
4.50	11.947	3.626
4.80	12.540	4.036
5.10	13.110	4.478
5.40	13.658	4.954
5.70	14.184	5.467
6.00	14.689	6.020
6.30	15.174	6.618
6.60	15.638	7.264
6.90	16.083	7.961
7.20	16.509	8.716
7.50	16.916	9.533
7.80	17.306	10.418
8.10	17.677	11.378
8.40	18.032	12.420
8.70	18.370	13.552

39.00	21.723	
0.00	0.000	0.000
0.30	0.943	0.148
0.60	1.857	0.307
0.90	2.741	0.478
1.20	3.596	0.662
1.50	4.418	0.860
1.80	5.220	1.072
2.10	5.995	1.300
2.40	6.743	1.546
2.70	7.465	1.806
3.00	8.162	2.089
3.30	8.834	2.394
3.60	9.481	2.722
3.90	10.105	3.075
4.20	10.705	3.455
4.50	11.283	3.864
4.80	11.838	4.306
5.10	12.371	4.783
5.40	12.883	5.297
5.70	13.375	5.853
6.00	13.846	6.453
6.30	14.297	7.103
6.60	14.730	7.805
6.90	15.143	8.567
7.20	15.538	9.392
7.50	15.916	10.286
7.80	16.276	11.258
8.10	16.619	12.314
8.40	16.946	13.462
8.70	17.257	14.713

38.50	20.168	
0.00	0.000	0.000
0.25	0.747	0.129
0.50	1.474	0.267
0.75	2.174	0.413
1.00	2.863	0.569
1.25	3.533	0.734
1.50	4.184	0.909
1.75	4.816	1.096
2.00	5.431	1.295
2.25	6.027	1.503
2.50	6.606	1.727
2.75	7.168	1.966
3.00	7.713	2.220
3.25	8.240	2.490
3.50	8.752	2.777
3.75	9.247	3.083
4.00	9.727	3.409
4.25	10.191	3.757
4.50	10.640	4.127
4.75	11.075	4.522
5.00	11.494	4.943
5.25	11.899	5.393
5.50	12.290	5.873
5.75	12.668	6.386
6.00	13.032	6.934
6.25	13.383	7.519
6.50	13.721	8.146
6.75	14.047	8.817
7.00	14.360	9.535
7.25	14.661	10.304

B FACTORS FOR PARAHYDROGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
38.00	18.694		37.50	17.305		37.00	15.984	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.25	0.700	0.137	0.25	0.670	0.144	0.25	0.633	0.153
0.50	1.389	0.282	0.50	1.321	0.298	0.50	1.247	0.316
0.75	2.059	0.437	0.75	1.954	0.463	0.75	1.844	0.490
1.00	2.710	0.602	1.00	2.568	0.638	1.00	2.422	0.676
1.25	3.343	0.777	1.25	3.165	0.822	1.25	2.984	0.874
1.50	3.957	0.964	1.50	3.744	1.021	1.50	3.529	1.085
1.75	4.554	1.160	1.75	4.305	1.232	1.75	4.057	1.311
2.00	5.133	1.371	2.00	4.850	1.458	2.00	4.568	1.552
2.25	5.694	1.596	2.25	5.378	1.698	2.25	5.064	1.810
2.50	6.239	1.836	2.50	5.889	1.955	2.50	5.543	2.085
2.75	6.767	2.091	2.75	6.385	2.228	2.75	6.008	2.379
3.00	7.278	2.363	3.00	6.864	2.520	3.00	6.457	2.693
3.25	7.774	2.652	3.25	7.329	2.832	3.25	6.891	3.029
3.50	8.253	2.961	3.50	7.778	3.164	3.50	7.310	3.388
3.75	8.718	3.291	3.75	8.212	3.519	3.75	7.715	3.772
4.00	9.167	3.642	4.00	8.631	3.899	4.00	8.107	4.184
4.25	9.601	4.017	4.25	9.037	4.305	4.25	8.484	4.624
4.50	10.020	4.417	4.50	9.428	4.739	4.50	8.848	5.095
4.75	10.425	4.845	4.75	9.805	5.203	4.75	9.199	5.600
5.00	10.817	5.302	5.00	10.169	5.699	5.00	9.537	6.141
5.25	11.194	5.790	5.25	10.520	6.231	5.25	9.863	6.722
5.50	11.558	6.312	5.50	10.858	6.800	5.50	10.176	7.344
5.75	11.909	6.870	5.75	11.184	7.410	5.75	10.477	8.013
6.00	12.247	7.468	6.00	11.497	8.064	6.00	10.767	8.731
6.25	12.573	8.108	6.25	11.799	8.766	6.25	11.045	9.503
6.50	12.886	8.794	6.50	12.088	9.520	6.50	11.312	10.333
6.75	13.188	9.530	6.75	12.366	10.329	6.75	11.569	11.227
7.00	13.477	10.319	7.00	12.633	11.198	7.00	11.814	12.189
7.25	13.755	11.166	7.25	12.890	12.134	7.25	12.049	13.225

36.50	14.737		36.00	13.561		35.50	12.455	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.25	0.597	0.162	0.25	0.562	0.172	0.20	0.424	0.146
0.50	1.175	0.335	0.50	1.106	0.357	0.40	0.837	0.300
0.75	1.737	0.520	0.75	1.634	0.554	0.60	1.240	0.463
1.00	2.282	0.718	1.00	2.146	0.765	0.80	1.632	0.635
1.25	2.810	0.930	1.25	2.641	0.992	1.00	2.015	0.817
1.50	3.321	1.156	1.50	3.121	1.234	1.20	2.387	1.010
1.75	3.817	1.398	1.75	3.585	1.493	1.40	2.750	1.213
2.00	4.296	1.656	2.00	4.034	1.771	1.60	3.103	1.429
2.25	4.760	1.933	2.25	4.468	2.069	1.80	3.447	1.657
2.50	5.209	2.229	2.50	4.888	2.388	2.00	3.781	1.898
2.75	5.644	2.546	2.75	5.293	2.730	2.20	4.107	2.153
3.00	6.063	2.884	3.00	5.684	3.096	2.40	4.423	2.423
3.25	6.468	3.247	3.25	6.062	3.490	2.60	4.731	2.709
3.50	6.860	3.636	3.50	6.426	3.911	2.80	5.029	3.011
3.75	7.237	4.053	3.75	6.777	4.364	3.00	5.320	3.331
4.00	7.601	4.499	4.00	7.115	4.850	3.20	5.601	3.671
4.25	7.952	4.978	4.25	7.440	5.372	3.40	5.875	4.030
4.50	8.290	5.491	4.50	7.754	5.934	3.60	6.140	4.411
4.75	8.616	6.042	4.75	8.055	6.537	3.80	6.398	4.814
5.00	8.929	6.634	5.00	8.345	7.186	4.00	6.647	5.242
5.25	9.230	7.270	5.25	8.623	7.885	4.20	6.889	5.696
5.50	9.520	7.954	5.50	8.890	8.637	4.40	7.124	6.177
5.75	9.798	8.689	5.75	9.146	9.448	4.60	7.351	6.688
6.00	10.065	9.480	6.00	9.392	10.323	4.80	7.571	7.230
6.25	10.321	10.332	6.25	9.627	11.266	5.00	7.784	7.806
6.50	10.567	11.250	6.50	9.852	12.285	5.20	7.989	8.417
6.75	10.802	12.239	6.75	10.068	13.386	5.40	8.188	9.067
7.00	11.028	13.308	7.00	10.274	14.576	5.60	8.381	9.758
7.25	11.243	14.461	7.25	10.470	15.865	5.80	8.567	10.493

B FACTORS FOR PARAHYDROGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
35.00	11.416		34.50	10.440		34.00	9.527	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.20	0.398	0.155	0.20	0.373	0.166	0.20	0.348	0.178
0.40	0.785	0.320	0.40	0.735	0.342	0.40	0.688	0.367
0.60	1.163	0.494	0.60	1.089	0.529	0.60	1.017	0.567
0.80	1.530	0.679	0.80	1.432	0.727	0.80	1.338	0.780
1.00	1.888	0.874	1.00	1.767	0.937	1.00	1.650	1.007
1.20	2.237	1.081	1.20	2.092	1.160	1.20	1.953	1.247
1.40	2.576	1.300	1.40	2.408	1.396	1.40	2.248	1.502
1.60	2.906	1.532	1.60	2.716	1.646	1.60	2.534	1.773
1.80	3.227	1.778	1.80	3.015	1.912	1.80	2.811	2.061
2.00	3.538	2.038	2.00	3.305	2.194	2.00	3.081	2.367
2.20	3.842	2.314	2.20	3.587	2.493	2.20	3.342	2.692
2.40	4.136	2.606	2.40	3.860	2.810	2.40	3.596	3.038
2.60	4.422	2.916	2.60	4.126	3.147	2.60	3.842	3.406
2.80	4.700	3.245	2.80	4.383	3.505	2.80	4.080	3.796
3.00	4.969	3.593	3.00	4.633	3.885	3.00	4.311	4.212
3.20	5.231	3.963	3.20	4.875	4.289	3.20	4.534	4.654
3.40	5.484	4.355	3.40	5.109	4.718	3.40	4.750	5.125
3.60	5.730	4.770	3.60	5.336	5.173	3.60	4.960	5.626
3.80	5.968	5.212	3.80	5.556	5.658	3.80	5.162	6.160
4.00	6.199	5.681	4.00	5.769	6.173	4.00	5.358	6.728
4.20	6.422	6.179	4.20	5.975	6.722	4.20	5.547	7.334
4.40	6.639	6.708	4.40	6.174	7.305	4.40	5.729	7.980
4.60	6.848	7.270	4.60	6.366	7.926	4.60	5.905	8.668
4.80	7.050	7.868	4.80	6.552	8.588	4.80	6.076	9.403
5.00	7.246	8.504	5.00	6.731	9.293	5.00	6.240	10.187
5.20	7.435	9.180	5.20	6.905	10.044	5.20	6.398	11.025
5.40	7.618	9.901	5.40	7.072	10.845	5.40	6.550	11.920
5.60	7.794	10.668	5.60	7.233	11.700	5.60	6.697	12.876
5.80	7.964	11.485	5.80	7.388	12.612	5.80	6.838	13.899

33.50	8.674		33.00	7.877		32.50	7.136	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.20	0.325	0.191	0.20	0.303	0.205	0.20	0.282	0.221
0.40	0.642	0.394	0.40	0.598	0.424	0.40	0.555	0.458
0.60	0.949	0.610	0.60	0.884	0.657	0.60	0.821	0.710
0.80	1.248	0.840	0.80	1.161	0.906	0.80	1.078	0.979
1.00	1.538	1.084	1.00	1.431	1.170	1.00	1.328	1.266
1.20	1.820	1.344	1.20	1.692	1.452	1.20	1.570	1.573
1.40	2.093	1.620	1.40	1.946	1.752	1.40	1.804	1.900
1.60	2.359	1.915	1.60	2.191	2.072	1.60	2.031	2.249
1.80	2.616	2.228	1.80	2.430	2.414	1.80	2.251	2.622
2.00	2.866	2.561	2.00	2.660	2.777	2.00	2.464	3.020
2.20	3.108	2.915	2.20	2.884	3.165	2.20	2.670	3.446
2.40	3.342	3.293	2.40	3.100	3.578	2.40	2.869	3.900
2.60	3.570	3.695	2.60	3.309	4.019	2.60	3.061	4.386
2.80	3.789	4.123	2.80	3.512	4.490	2.80	3.247	4.905
3.00	4.002	4.579	3.00	3.707	4.992	3.00	3.426	5.460
3.20	4.208	5.065	3.20	3.897	5.529	3.20	3.600	6.054
3.40	4.407	5.584	3.40	4.079	6.102	3.40	3.767	6.689
3.60	4.599	6.136	3.60	4.255	6.714	3.60	3.928	7.369
3.80	4.785	6.726	3.80	4.425	7.368	3.80	4.083	8.098
4.00	4.964	7.355	4.00	4.589	8.067	4.00	4.232	8.878
4.20	5.138	8.027	4.20	4.748	8.815	4.20	4.376	9.714
4.40	5.305	8.744	4.40	4.900	9.615	4.40	4.515	10.611
4.60	5.466	9.511	4.60	5.047	10.472	4.60	4.648	11.572
4.80	5.621	10.330	4.80	5.188	11.390	4.80	4.776	12.605
5.00	5.771	11.207	5.00	5.324	12.373	5.00	4.899	13.713
5.20	5.914	12.144	5.20	5.454	13.427	5.20	5.017	14.904
5.40	6.053	13.148	5.40	5.580	14.558	5.40	5.131	16.185
5.60	6.186	14.223	5.60	5.700	15.772	5.60	5.239	17.562
5.80	6.314	15.376	5.80	5.816	17.076	5.80	5.343	19.044

B FACTORS FOR PARAHYDROGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
32.00	6.446		31.50	5.808		31.00	5.217	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.15	0.197	0.178	0.15	0.182	0.193	0.15	0.168	0.209
0.30	0.389	0.365	0.30	0.360	0.396	0.30	0.332	0.430
0.45	0.577	0.562	0.45	0.534	0.610	0.45	0.493	0.663
0.60	0.761	0.769	0.60	0.704	0.835	0.60	0.649	0.909
0.75	0.940	0.986	0.75	0.869	1.072	0.75	0.801	1.168
0.90	1.115	1.215	0.90	1.031	1.321	0.90	0.950	1.441
1.05	1.286	1.455	1.05	1.188	1.584	1.05	1.095	1.729
1.20	1.453	1.708	1.20	1.342	1.860	1.20	1.236	2.032
1.35	1.616	1.974	1.35	1.492	2.152	1.35	1.374	2.353
1.50	1.775	2.254	1.50	1.638	2.459	1.50	1.508	2.691
1.65	1.930	2.548	1.65	1.780	2.782	1.65	1.638	3.047
1.80	2.081	2.857	1.80	1.919	3.122	1.80	1.765	3.423
1.95	2.229	3.182	1.95	2.054	3.481	1.95	1.889	3.820
2.10	2.372	3.525	2.10	2.186	3.859	2.10	2.009	4.238
2.25	2.512	3.885	2.25	2.314	4.257	2.25	2.126	4.680
2.40	2.648	4.264	2.40	2.439	4.676	2.40	2.240	5.147
2.55	2.781	4.663	2.55	2.560	5.119	2.55	2.350	5.639
2.70	2.910	5.083	2.70	2.678	5.585	2.70	2.458	6.159
2.85	3.036	5.525	2.85	2.793	6.077	2.85	2.562	6.709
3.00	3.159	5.991	3.00	2.905	6.596	3.00	2.663	7.289
3.15	3.278	6.482	3.15	3.013	7.143	3.15	2.762	7.902
3.30	3.394	6.998	3.30	3.118	7.721	3.30	2.857	8.551
3.45	3.507	7.543	3.45	3.221	8.331	3.45	2.950	9.236
3.60	3.616	8.117	3.60	3.320	8.974	3.60	3.040	9.961
3.75	3.722	8.723	3.75	3.417	9.654	3.75	3.127	10.728
3.90	3.826	9.361	3.90	3.510	10.372	3.90	3.212	11.539
4.05	3.926	10.034	4.05	3.601	11.131	4.05	3.294	12.397
4.20	4.024	10.745	4.20	3.689	11.932	4.20	3.373	13.306
4.35	4.118	11.495	4.35	3.775	12.780	4.35	3.450	14.269

30.50	4.671		30.00	4.170		29.50	3.709	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.15	0.155	0.228	0.15	0.142	0.249	0.15	0.130	0.273
0.30	0.306	0.469	0.30	0.281	0.513	0.30	0.257	0.563
0.45	0.454	0.724	0.45	0.416	0.792	0.45	0.381	0.870
0.60	0.597	0.993	0.60	0.548	1.087	0.60	0.501	1.195
0.75	0.737	1.276	0.75	0.676	1.400	0.75	0.618	1.540
0.90	0.873	1.576	0.90	0.801	1.730	0.90	0.732	1.905
1.05	1.006	1.893	1.05	0.922	2.079	1.05	0.843	2.292
1.20	1.135	2.227	1.20	1.040	2.449	1.20	0.950	2.703
1.35	1.261	2.581	1.35	1.155	2.841	1.35	1.054	3.138
1.50	1.384	2.954	1.50	1.267	3.255	1.50	1.156	3.599
1.65	1.503	3.349	1.65	1.375	3.693	1.65	1.254	4.089
1.80	1.619	3.765	1.80	1.480	4.157	1.80	1.350	4.608
1.95	1.731	4.206	1.95	1.583	4.649	1.95	1.442	5.158
2.10	1.841	4.672	2.10	1.682	5.169	2.10	1.532	5.742
2.25	1.947	5.164	2.25	1.779	5.720	2.25	1.620	6.361
2.40	2.051	5.685	2.40	1.872	6.304	2.40	1.704	7.018
2.55	2.151	6.235	2.55	1.963	6.922	2.55	1.786	7.716
2.70	2.249	6.818	2.70	2.051	7.577	2.70	1.865	8.457
2.85	2.343	7.434	2.85	2.137	8.272	2.85	1.942	9.243
3.00	2.435	8.086	3.00	2.220	9.008	3.00	2.017	10.079
3.15	2.524	8.777	3.15	2.300	9.789	3.15	2.089	10.966
3.30	2.610	9.508	3.30	2.377	10.617	3.30	2.158	11.910
3.45	2.694	10.282	3.45	2.453	11.496	3.45	2.225	12.913
3.60	2.775	11.102	3.60	2.525	12.429	3.60	2.290	13.980
3.75	2.854	11.971	3.75	2.596	13.419	3.75	2.353	15.115
3.90	2.930	12.893	3.90	2.664	14.471	3.90	2.414	16.323
4.05	3.003	13.869	4.05	2.730	15.589	4.05	2.473	17.609
4.20	3.074	14.905	4.20	2.793	16.776	4.20	2.529	18.977
4.35	3.143	16.005	4.35	2.855	18.039	4.35	2.584	20.435

B FACTORS FOR PARAHYDROGEN

TF1 (R)	PF1 (PSIA)	
29.00	3.288	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.10	0.080	0.198
0.20	0.158	0.405
0.30	0.235	0.620
0.40	0.310	0.843
0.50	0.385	1.076
0.60	0.457	1.318
0.70	0.529	1.571
0.80	0.598	1.833
0.90	0.667	2.106
1.00	0.734	2.390
1.10	0.800	2.686
1.20	0.865	2.995
1.30	0.928	3.315
1.40	0.990	3.649
1.50	1.051	3.997
1.60	1.111	4.359
1.70	1.169	4.735
1.80	1.227	5.128
1.90	1.283	5.536
2.00	1.338	5.962
2.10	1.391	6.405
2.20	1.444	6.866
2.30	1.495	7.347
2.40	1.546	7.848
2.50	1.595	8.370
2.60	1.643	8.914
2.70	1.691	9.481
2.80	1.737	10.072
2.90	1.782	10.688

TF1 (R)	PF1 (PSIA)	
28.50	2.903	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.10	0.073	0.219
0.20	0.144	0.447
0.30	0.214	0.685
0.40	0.282	0.933
0.50	0.350	1.191
0.60	0.416	1.460
0.70	0.480	1.741
0.80	0.544	2.033
0.90	0.606	2.338
1.00	0.667	2.655
1.10	0.726	2.986
1.20	0.785	3.331
1.30	0.842	3.691
1.40	0.898	4.065
1.50	0.953	4.456
1.60	1.007	4.863
1.70	1.059	5.288
1.80	1.111	5.731
1.90	1.161	6.193
2.00	1.211	6.674
2.10	1.259	7.177
2.20	1.306	7.700
2.30	1.352	8.247
2.40	1.397	8.817
2.50	1.441	9.412
2.60	1.484	10.033
2.70	1.527	10.681
2.80	1.568	11.357
2.90	1.608	12.063

TF1 (R)	PF1 (PSIA)	
28.00	2.553	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.10	0.066	0.243
0.20	0.131	0.496
0.30	0.194	0.760
0.40	0.256	1.036
0.50	0.317	1.323
0.60	0.377	1.623
0.70	0.435	1.937
0.80	0.492	2.264
0.90	0.548	2.605
1.00	0.603	2.961
1.10	0.657	3.333
1.20	0.710	3.721
1.30	0.761	4.126
1.40	0.812	4.549
1.50	0.861	4.990
1.60	0.909	5.451
1.70	0.956	5.932
1.80	1.002	6.435
1.90	1.048	6.959
2.00	1.092	7.507
2.10	1.135	8.080
2.20	1.177	8.678
2.30	1.218	9.303
2.40	1.258	9.955
2.50	1.298	10.637
2.60	1.336	11.349
2.70	1.373	12.094
2.80	1.410	12.872
2.90	1.446	13.685

27.50	2.236	
0.00	0.000	0.000
0.05	0.030	0.133
0.10	0.060	0.270
0.15	0.089	0.409
0.20	0.118	0.552
0.25	0.147	0.697
0.30	0.175	0.846
0.35	0.204	0.998
0.40	0.231	1.154
0.45	0.259	1.313
0.50	0.286	1.476
0.55	0.313	1.642
0.60	0.340	1.812
0.65	0.366	1.986
0.70	0.393	2.164
0.75	0.419	2.346
0.80	0.444	2.531
0.85	0.469	2.721
0.90	0.495	2.915
0.95	0.519	3.114
1.00	0.544	3.317
1.05	0.568	3.524
1.10	0.592	3.737
1.15	0.616	3.953
1.20	0.639	4.175
1.25	0.662	4.402
1.30	0.685	4.634
1.35	0.708	4.871
1.40	0.731	5.113
1.45	0.753	5.361

27.00	1.950	
0.00	0.000	0.000
0.05	0.027	0.149
0.10	0.054	0.301
0.15	0.080	0.457
0.20	0.106	0.617
0.25	0.132	0.780
0.30	0.158	0.947
0.35	0.183	1.117
0.40	0.208	1.292
0.45	0.233	1.471
0.50	0.258	1.654
0.55	0.282	1.841
0.60	0.306	2.033
0.65	0.330	2.229
0.70	0.353	2.429
0.75	0.376	2.634
0.80	0.399	2.844
0.85	0.422	3.059
0.90	0.444	3.279
0.95	0.466	3.503
1.00	0.488	3.734
1.05	0.510	3.969
1.10	0.531	4.210
1.15	0.553	4.456
1.20	0.574	4.709
1.25	0.594	4.967
1.30	0.615	5.231
1.35	0.635	5.501
1.40	0.655	5.778
1.45	0.675	6.061

26.50	1.692	
0.00	0.000	0.000
0.05	0.024	0.167
0.10	0.048	0.338
0.15	0.072	0.513
0.20	0.095	0.692
0.25	0.119	0.876
0.30	0.142	1.064
0.35	0.164	1.256
0.40	0.187	1.454
0.45	0.209	1.656
0.50	0.231	1.862
0.55	0.252	2.074
0.60	0.274	2.291
0.65	0.295	2.513
0.70	0.316	2.740
0.75	0.337	2.973
0.80	0.357	3.212
0.85	0.377	3.456
0.90	0.397	3.706
0.95	0.417	3.962
1.00	0.437	4.224
1.05	0.456	4.493
1.10	0.475	4.767
1.15	0.494	5.049
1.20	0.512	5.337
1.25	0.531	5.632
1.30	0.549	5.934
1.35	0.567	6.244
1.40	0.585	6.561
1.45	0.602	6.886

Appendix C: B-factors for nitrogen, calculated from eq (5).

B FACTORS FOR NITROGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
216.00	364.455		214.00	344.593		212.00	325.542	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
1.30	13.004	0.118	1.30	12.474	0.117	1.30	11.961	0.117
2.60	25.662	0.244	2.60	24.612	0.242	2.60	23.599	0.243
3.90	37.980	0.378	3.90	36.423	0.376	3.90	34.919	0.379
5.20	49.966	0.522	5.20	47.913	0.520	5.20	45.929	0.524
6.50	61.628	0.675	6.50	59.090	0.674	6.50	56.634	0.681
7.80	72.973	0.838	7.80	69.958	0.839	7.80	67.040	0.849
9.10	84.006	1.013	9.10	80.525	1.016	9.10	77.155	1.029
10.40	94.734	1.200	10.40	90.796	1.206	10.40	86.981	1.222
11.70	105.164	1.399	11.70	100.776	1.408	11.70	96.527	1.430
13.00	115.300	1.612	13.00	110.473	1.626	13.00	105.795	1.653
14.30	125.149	1.840	14.30	119.889	1.858	14.30	114.792	1.892
15.60	134.716	2.084	15.60	129.032	2.107	15.60	123.523	2.148
16.90	144.005	2.344	16.90	137.906	2.374	16.90	131.992	2.423
18.20	153.023	2.623	18.20	146.515	2.660	18.20	140.204	2.718
19.50	161.774	2.920	19.50	154.865	2.965	19.50	148.165	3.034
20.80	170.263	3.238	20.80	162.960	3.293	20.80	155.877	3.373
22.10	178.495	3.579	22.10	170.806	3.644	22.10	163.347	3.736
23.40	186.474	3.942	23.40	178.406	4.019	23.40	170.579	4.126
24.70	194.206	4.332	24.70	185.765	4.422	24.70	177.576	4.545
26.00	201.695	4.748	26.00	192.888	4.853	26.00	184.345	4.994
27.30	208.944	5.193	27.30	199.779	5.315	27.30	190.888	5.476
28.60	215.960	5.670	28.60	206.443	5.811	28.60	197.210	5.994
29.90	222.745	6.181	29.90	212.884	6.343	29.90	203.316	6.550
31.20	229.306	6.728	31.20	219.106	6.913	31.20	209.211	7.148
32.50	235.645	7.315	32.50	225.114	7.525	32.50	214.897	7.791
33.80	241.768	7.943	33.80	230.912	8.182	33.80	220.380	8.482
35.10	247.678	8.618	35.10	236.504	8.889	35.10	225.664	9.226
36.40	253.380	9.341	36.40	241.895	9.648	36.40	230.754	10.026
37.70	258.879	10.118	37.70	247.088	10.464	37.70	235.652	10.889

210.00	307.274		208.00	289.765		206.00	272.990	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
1.30	11.466	0.119	1.30	10.986	0.121	1.30	10.521	0.124
2.60	22.618	0.246	2.60	21.668	0.251	2.60	20.747	0.258
3.90	33.463	0.384	3.90	32.052	0.393	3.90	30.683	0.403
5.20	44.007	0.533	5.20	42.144	0.545	5.20	40.336	0.560
6.50	54.255	0.693	6.50	51.949	0.709	6.50	49.711	0.730
7.80	64.214	0.864	7.80	61.472	0.886	7.80	58.812	0.913
9.10	73.888	1.049	9.10	70.720	1.077	9.10	67.644	1.110
10.40	83.284	1.248	10.40	79.696	1.282	10.40	76.213	1.323
11.70	92.406	1.462	11.70	88.407	1.503	11.70	84.524	1.553
13.00	101.259	1.692	13.00	96.856	1.741	13.00	92.588	1.800
14.30	109.848	1.938	14.30	105.049	1.997	14.30	100.388	2.066
15.60	118.178	2.203	15.60	112.990	2.272	15.60	107.951	2.354
16.90	126.254	2.488	16.90	120.684	2.568	16.90	115.273	2.663
18.20	134.081	2.794	18.20	128.135	2.887	18.20	122.360	2.996
19.50	141.662	3.122	19.50	135.348	3.229	19.50	129.216	3.354
20.80	149.003	3.475	20.80	142.328	3.598	20.80	135.845	3.741
22.10	156.108	3.854	22.10	149.079	3.994	22.10	142.252	4.157
23.40	162.982	4.261	23.40	155.605	4.420	23.40	148.441	4.606
24.70	169.628	4.698	24.70	161.911	4.879	24.70	154.416	5.089
26.00	176.052	5.168	26.00	168.000	5.373	26.00	160.182	5.610
27.30	182.257	5.673	27.30	173.878	5.905	27.30	165.743	6.172
28.60	188.249	6.217	28.60	179.549	6.478	28.60	171.103	6.779
29.90	194.031	6.802	29.90	185.017	7.096	29.90	176.267	7.433
31.20	199.607	7.431	31.20	190.286	7.761	31.20	181.238	8.140
32.50	204.983	8.109	32.50	195.360	8.479	32.50	186.022	8.904
33.80	210.161	8.839	33.80	200.244	9.254	33.80	190.622	9.729
35.10	215.147	9.626	35.10	204.943	10.091	35.10	195.042	10.622
36.40	219.945	10.475	36.40	209.459	10.995	36.40	199.287	11.589
37.70	224.559	11.391	37.70	213.798	11.972	37.70	203.360	12.636

B FACTORS FOR NITROGEN

TF1 (R)	PF1 (PSIA)
204.00	256.926

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.20	9.305	0.117
2.40	18.366	0.244
3.60	27.187	0.380
4.80	35.772	0.527
6.00	44.124	0.685
7.20	52.249	0.855
8.40	60.150	1.037
9.60	67.830	1.233
10.80	75.294	1.443
12.00	82.545	1.668
13.20	89.586	1.910
14.40	96.422	2.169
15.60	103.055	2.447
16.80	109.490	2.745
18.00	115.729	3.065
19.20	121.777	3.408
20.40	127.636	3.776
21.60	133.311	4.170
22.80	138.804	4.593
24.00	144.119	5.047
25.20	149.259	5.535
26.40	154.228	6.058
27.60	159.029	6.620
28.80	163.666	7.223
30.00	168.141	7.872
31.20	172.458	8.570
32.40	176.620	9.320
33.60	180.632	10.128
34.80	184.495	10.997

TF1 (R)	PF1 (PSIA)
202.00	241.554

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.20	8.900	0.121
2.40	17.563	0.253
3.60	25.993	0.394
4.80	34.193	0.546
6.00	42.168	0.710
7.20	49.922	0.887
8.40	57.457	1.077
9.60	64.779	1.281
10.80	71.889	1.501
12.00	78.793	1.736
13.20	85.493	1.989
14.40	91.994	2.261
15.60	98.298	2.553
16.80	104.409	2.867
18.00	110.331	3.203
19.20	116.067	3.565
20.40	121.620	3.953
21.60	126.994	4.370
22.80	132.192	4.818
24.00	137.218	5.299
25.20	142.075	5.817
26.40	146.766	6.373
27.60	151.294	6.971
28.80	155.664	7.615
30.00	159.877	8.308
31.20	163.938	9.054
32.40	167.851	9.858
33.60	171.617	10.725
34.80	175.241	11.660

TF1 (R)	PF1 (PSIA)
200.00	226.852

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.20	8.507	0.126
2.40	16.783	0.262
3.60	24.833	0.409
4.80	32.660	0.568
6.00	40.268	0.739
7.20	47.660	0.924
8.40	54.840	1.122
9.60	61.813	1.336
10.80	68.581	1.566
12.00	75.147	1.813
13.20	81.517	2.079
14.40	87.692	2.365
15.60	93.676	2.672
16.80	99.474	3.003
18.00	105.087	3.359
19.20	110.521	3.741
20.40	115.777	4.152
21.60	120.860	4.594
22.80	125.773	5.070
24.00	130.518	5.582
25.20	135.101	6.133
26.40	139.523	6.726
27.60	143.788	7.365
28.80	147.900	8.054
30.00	151.861	8.797
31.20	155.676	9.599
32.40	159.347	10.464
33.60	162.877	11.398
34.80	166.270	12.407

TF1 (R)	PF1 (PSIA)
198.00	212.802

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.10	7.456	0.120
2.20	14.724	0.249
3.30	21.806	0.387
4.40	28.705	0.536
5.50	35.425	0.695
6.60	41.967	0.866
7.70	48.335	1.049
8.80	54.531	1.245
9.90	60.558	1.455
11.00	66.419	1.680
12.10	72.116	1.921
13.20	77.652	2.179
14.30	83.031	2.454
15.40	88.253	2.749
16.50	93.323	3.065
17.60	98.242	3.403
18.70	103.014	3.764
19.80	107.640	4.151
20.90	112.124	4.565
22.00	116.468	5.009
23.10	120.675	5.483
24.20	124.747	5.992
25.30	128.686	6.537
26.40	132.496	7.121
27.50	136.179	7.747
28.60	139.737	8.419
29.70	143.172	9.140
30.80	146.489	9.914
31.90	149.688	10.745

TF1 (R)	PF1 (PSIA)
196.00	199.385

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.10	7.116	0.125
2.20	14.048	0.260
3.30	20.800	0.405
4.40	27.374	0.560
5.50	33.773	0.727
6.60	40.000	0.906
7.70	46.058	1.099
8.80	51.949	1.305
9.90	57.675	1.526
11.00	63.241	1.763
12.10	68.648	2.017
13.20	73.899	2.290
14.30	78.996	2.581
15.40	83.942	2.894
16.50	88.741	3.228
17.60	93.393	3.587
18.70	97.903	3.971
19.80	102.272	4.383
20.90	106.504	4.825
22.00	110.600	5.298
23.10	114.563	5.806
24.20	118.396	6.351
25.30	122.102	6.935
26.40	125.682	7.563
27.50	129.140	8.236
28.60	132.478	8.960
29.70	135.698	9.738
30.80	138.804	10.575
31.90	141.797	11.475

TF1 (R)	PF1 (PSIA)
194.00	186.584

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.10	6.784	0.131
2.20	13.391	0.272
3.30	19.821	0.424
4.40	26.080	0.587
5.50	32.168	0.762
6.60	38.089	0.951
7.70	43.845	1.154
8.80	49.440	1.371
9.90	54.875	1.605
11.00	60.154	1.855
12.10	65.279	2.124
13.20	70.253	2.412
14.30	75.078	2.722
15.40	79.757	3.053
16.50	84.293	3.409
17.60	88.687	3.791
18.70	92.943	4.201
19.80	97.064	4.641
20.90	101.051	5.114
22.00	104.908	5.621
23.10	108.636	6.165
24.20	112.239	6.751
25.30	115.719	7.380
26.40	119.079	8.056
27.50	122.320	8.783
28.60	125.447	9.566
29.70	128.460	10.409
30.80	131.362	11.316
31.90	134.157	12.294

B FACTORS FOR NITROGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
192.00	174.382		190.00	162.761		188.00	151.705	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
1.00	5.882	0.124	1.00	5.598	0.131	1.00	5.321	0.138
2.00	11.621	0.257	2.00	11.056	0.271	2.00	10.507	0.285
3.00	17.219	0.400	3.00	16.377	0.421	3.00	15.560	0.444
4.00	22.677	0.553	4.00	21.563	0.582	4.00	20.482	0.613
5.00	27.998	0.716	5.00	26.616	0.754	5.00	25.275	0.795
6.00	33.184	0.890	6.00	31.538	0.938	6.00	29.940	0.990
7.00	38.237	1.076	7.00	36.331	1.135	7.00	34.480	1.199
8.00	43.159	1.275	8.00	40.996	1.345	8.00	38.897	1.423
9.00	47.952	1.487	9.00	45.536	1.570	9.00	43.193	1.662
10.00	52.617	1.714	10.00	49.953	1.811	10.00	47.369	1.918
11.00	57.157	1.956	11.00	54.249	2.068	11.00	51.428	2.192
12.00	61.574	2.215	12.00	58.425	2.343	12.00	55.371	2.485
13.00	65.870	2.491	13.00	62.484	2.637	13.00	59.201	2.799
14.00	70.046	2.785	14.00	66.427	2.951	14.00	62.919	3.135
15.00	74.105	3.099	15.00	70.257	3.286	15.00	66.527	3.494
16.00	78.048	3.434	16.00	73.975	3.645	16.00	70.028	3.878
17.00	81.878	3.792	17.00	77.583	4.028	17.00	73.423	4.290
18.00	85.596	4.174	18.00	81.084	4.437	18.00	76.714	4.730
19.00	89.204	4.582	19.00	84.479	4.875	19.00	79.903	5.202
20.00	92.705	5.018	20.00	87.770	5.344	20.00	82.991	5.707
21.00	96.100	5.483	21.00	90.959	5.845	21.00	85.982	6.248
22.00	99.391	5.980	22.00	94.047	6.380	22.00	88.876	6.828
23.00	102.580	6.511	23.00	97.038	6.954	23.00	91.675	7.449
24.00	105.668	7.079	24.00	99.932	7.568	24.00	94.382	8.115
25.00	108.659	7.686	25.00	102.732	8.225	25.00	96.999	8.829
26.00	111.553	8.335	26.00	105.439	8.930	26.00	99.526	9.596
27.00	114.353	9.030	27.00	108.055	9.684	27.00	101.966	10.419
28.00	117.060	9.774	28.00	110.582	10.493	28.00	104.321	11.302
29.00	119.676	10.570	29.00	113.022	11.361	29.00	106.593	12.251

186.00	141.197		184.00	131.223		182.00	121.765	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.90	4.554	0.130	0.90	4.319	0.138	0.90	4.092	0.146
1.80	9.001	0.269	1.80	8.535	0.285	1.80	8.083	0.302
2.70	13.343	0.417	2.70	12.649	0.442	2.70	11.977	0.469
3.60	17.582	0.575	3.60	16.663	0.609	3.60	15.773	0.647
4.50	21.718	0.743	4.50	20.578	0.788	4.50	19.473	0.837
5.40	25.754	0.922	5.40	24.395	0.978	5.40	23.079	1.040
6.30	29.691	1.113	6.30	28.117	1.181	6.30	26.592	1.257
7.20	33.530	1.316	7.20	31.743	1.398	7.20	30.013	1.488
8.10	37.273	1.533	8.10	35.277	1.629	8.10	33.345	1.735
9.00	40.920	1.763	9.00	38.719	1.875	9.00	36.587	1.998
9.90	44.474	2.008	9.90	42.070	2.137	9.90	39.743	2.279
10.80	47.936	2.269	10.80	45.332	2.416	10.80	42.812	2.579
11.70	51.308	2.546	11.70	48.507	2.713	11.70	45.797	2.899
12.60	54.590	2.841	12.60	51.596	3.030	12.60	48.699	3.240
13.50	57.784	3.155	13.50	54.599	3.368	13.50	51.519	3.605
14.40	60.891	3.490	14.40	57.519	3.728	14.40	54.259	3.993
15.30	63.914	3.845	15.30	60.358	4.111	15.30	56.920	4.408
16.20	66.852	4.224	16.20	63.115	4.520	16.20	59.503	4.850
17.10	69.709	4.627	17.10	65.793	4.956	17.10	62.010	5.323
18.00	72.484	5.056	18.00	68.394	5.420	18.00	64.442	5.827
18.90	75.180	5.513	18.90	70.918	5.915	18.90	66.801	6.365
19.80	77.797	6.000	19.80	73.366	6.443	19.80	69.088	6.941
20.70	80.338	6.518	20.70	75.741	7.007	20.70	71.303	7.555
21.60	82.803	7.071	21.60	78.044	7.608	21.60	73.449	8.212
22.50	85.194	7.659	22.50	80.275	8.250	22.50	75.528	8.914
23.40	87.513	8.287	23.40	82.436	8.935	23.40	77.539	9.664
24.30	89.760	8.956	24.30	84.530	9.667	24.30	79.485	10.467
25.20	91.937	9.670	25.20	86.556	10.448	25.20	81.366	11.326
26.10	94.045	10.432	26.10	88.516	11.284	26.10	83.185	12.246

B FACTORS FOR NITROGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
180.00	112.807		179.00	108.512		178.00	104.336	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.80	3.446	0.137	0.80	3.350	0.141	0.80	3.256	0.146
1.60	6.816	0.283	1.60	6.625	0.292	1.60	6.439	0.301
2.40	10.109	0.438	2.40	9.826	0.452	2.40	9.548	0.466
3.20	13.328	0.602	3.20	12.953	0.622	3.20	12.584	0.642
4.00	16.474	0.777	4.00	16.008	0.802	4.00	15.550	0.829
4.80	19.547	0.962	4.80	18.991	0.993	4.80	18.445	1.027
5.60	22.548	1.158	5.60	21.904	1.197	5.60	21.272	1.237
6.40	25.478	1.367	6.40	24.748	1.413	6.40	24.030	1.461
7.20	28.339	1.588	7.20	27.523	1.642	7.20	26.720	1.699
8.00	31.131	1.822	8.00	30.230	1.885	8.00	29.345	1.951
8.80	33.855	2.071	8.80	32.871	2.143	8.80	31.904	2.219
9.60	36.513	2.335	9.60	35.447	2.417	9.60	34.399	2.503
10.40	39.104	2.615	10.40	37.957	2.708	10.40	36.830	2.806
11.20	41.631	2.912	11.20	40.405	3.016	11.20	39.199	3.126
12.00	44.094	3.226	12.00	42.789	3.343	12.00	41.507	3.467
12.80	46.494	3.560	12.80	45.112	3.691	12.80	43.754	3.829
13.60	48.833	3.914	13.60	47.374	4.059	13.60	45.942	4.213
14.40	51.110	4.289	14.40	49.577	4.450	14.40	48.071	4.621
15.20	53.327	4.688	15.20	51.720	4.866	15.20	50.142	5.054
16.00	55.485	5.110	16.00	53.806	5.307	16.00	52.157	5.515
16.80	57.586	5.559	16.80	55.835	5.775	16.80	54.116	6.004
17.60	59.629	6.034	17.60	57.808	6.272	17.60	56.021	6.524
18.40	61.615	6.539	18.40	59.726	6.800	18.40	57.871	7.076
19.20	63.547	7.076	19.20	61.590	7.361	19.20	59.669	7.664
20.00	65.424	7.645	20.00	63.400	7.957	20.00	61.414	8.288
20.80	67.248	8.249	20.80	65.159	8.590	20.80	63.109	8.952
21.60	69.020	8.892	21.60	66.866	9.264	21.60	64.754	9.659
22.40	70.740	9.574	22.40	68.523	9.980	22.40	66.349	10.411
23.20	72.409	10.299	23.20	70.131	10.741	23.20	67.896	11.211

177.00	100.277		176.00	96.334		175.00	92.504	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.80	3.164	0.151	0.80	3.073	0.156	0.80	2.983	0.161
1.60	6.255	0.311	1.60	6.074	0.322	1.60	5.896	0.333
2.40	9.274	0.482	2.40	9.004	0.498	2.40	8.740	0.515
3.20	12.222	0.663	3.20	11.865	0.686	3.20	11.515	0.710
4.00	15.100	0.857	4.00	14.657	0.886	4.00	14.222	0.917
4.80	17.909	1.062	4.80	17.381	1.099	4.80	16.863	1.138
5.60	20.650	1.280	5.60	20.039	1.325	5.60	19.438	1.373
6.40	23.324	1.512	6.40	22.631	1.566	6.40	21.949	1.623
7.20	25.932	1.759	7.20	25.157	1.822	7.20	24.397	1.889
8.00	28.475	2.021	8.00	27.620	2.094	8.00	26.781	2.172
8.80	30.954	2.299	8.80	30.021	2.384	8.80	29.104	2.473
9.60	33.370	2.595	9.60	32.359	2.691	9.60	31.366	2.793
10.40	35.723	2.909	10.40	34.636	3.019	10.40	33.569	3.134
11.20	38.016	3.243	11.20	36.853	3.366	11.20	35.712	3.497
12.00	40.248	3.598	12.00	39.011	3.736	12.00	37.798	3.883
12.80	42.421	3.975	12.80	41.112	4.130	12.80	39.827	4.294
13.60	44.535	4.376	13.60	43.155	4.548	13.60	41.800	4.731
14.40	46.593	4.801	14.40	45.142	4.993	14.40	43.718	5.196
15.20	48.593	5.254	15.20	47.073	5.466	15.20	45.582	5.691
16.00	50.539	5.735	16.00	48.950	5.969	16.00	47.392	6.218
16.80	52.429	6.247	16.80	50.774	6.505	16.80	49.151	6.779
17.60	54.267	6.791	17.60	52.546	7.075	17.60	50.858	7.377
18.40	56.051	7.370	18.40	54.266	7.682	18.40	52.515	8.013
19.20	57.784	7.985	19.20	55.936	8.327	19.20	54.123	8.691
20.00	59.466	8.640	20.00	57.555	9.015	20.00	55.682	9.414
20.80	61.098	9.338	20.80	59.127	9.748	20.80	57.194	10.184
21.60	62.682	10.080	21.60	60.650	10.528	21.60	58.658	11.005
22.40	64.217	10.870	22.40	62.126	11.359	22.40	60.077	11.881
23.20	65.705	11.712	23.20	63.557	12.246	23.20	61.452	12.815

B FACTORS FOR NITROGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
174.00	88.786		173.00	85.177		172.00	81.677	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.80	2.895	0.167	0.70	2.462	0.150	0.70	2.387	0.156
1.60	5.722	0.344	1.40	4.871	0.309	1.40	4.724	0.320
2.40	8.480	0.533	2.10	7.229	0.477	2.10	7.009	0.495
3.20	11.170	0.735	2.80	9.536	0.655	2.80	9.245	0.679
4.00	13.795	0.950	3.50	11.793	0.844	3.50	11.431	0.875
4.80	16.354	1.179	4.20	14.001	1.043	4.20	13.569	1.082
5.60	18.849	1.423	4.90	16.160	1.254	4.90	15.659	1.301
6.40	21.280	1.683	5.60	18.270	1.476	5.60	17.702	1.532
7.20	23.649	1.960	6.30	20.333	1.712	6.30	19.698	1.777
8.00	25.957	2.254	7.00	22.349	1.961	7.00	21.647	2.036
8.80	28.204	2.568	7.70	24.318	2.224	7.70	23.552	2.311
9.60	30.392	2.901	8.40	26.242	2.502	8.40	25.412	2.601
10.40	32.521	3.257	9.10	28.121	2.796	9.10	27.227	2.907
11.20	34.592	3.635	9.80	29.955	3.106	9.80	29.000	3.232
12.00	36.607	4.038	10.50	31.746	3.435	10.50	30.729	3.575
12.80	38.566	4.467	11.20	33.494	3.782	11.20	32.416	3.938
13.60	40.471	4.924	11.90	35.199	4.149	11.90	34.062	4.321
14.40	42.321	5.411	12.60	36.862	4.537	12.60	35.666	4.727
15.20	44.119	5.929	13.30	38.484	4.947	13.30	37.231	5.157
16.00	45.864	6.482	14.00	40.066	5.381	14.00	38.755	5.611
16.80	47.559	7.070	14.70	41.607	5.839	14.70	40.241	6.092
17.60	49.204	7.697	15.40	43.110	6.325	15.40	41.688	6.601
18.40	50.799	8.366	16.10	44.573	6.837	16.10	43.097	7.140
19.20	52.346	9.079	16.80	45.999	7.380	16.80	44.469	7.710
20.00	53.846	9.839	17.50	47.387	7.954	17.50	45.805	8.313
20.80	55.299	10.650	18.20	48.738	8.562	18.20	47.104	8.953
21.60	56.707	11.515	18.90	50.053	9.205	18.90	48.369	9.629
22.40	58.070	12.438	19.60	51.332	9.885	19.60	49.598	10.346
23.20	59.390	13.423	20.30	52.576	10.605	20.30	50.793	11.106

171.00	78.282		170.00	74.991		169.00	71.802	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.70	2.314	0.161	0.70	2.243	0.167	0.70	2.172	0.173
1.40	4.579	0.332	1.40	4.436	0.344	1.40	4.297	0.358
2.10	6.793	0.513	2.10	6.581	0.532	2.10	6.373	0.553
2.80	8.959	0.705	2.80	8.678	0.732	2.80	8.402	0.760
3.50	11.076	0.908	3.50	10.727	0.943	3.50	10.385	0.979
4.20	13.145	1.123	4.20	12.730	1.166	4.20	12.322	1.212
4.90	15.168	1.351	4.90	14.686	1.403	4.90	14.213	1.459
5.60	17.144	1.592	5.60	16.597	1.654	5.60	16.060	1.721
6.30	19.074	1.847	6.30	18.463	1.920	6.30	17.863	1.998
7.00	20.960	2.117	7.00	20.285	2.202	7.00	19.623	2.292
7.70	22.800	2.403	7.70	22.063	2.500	7.70	21.341	2.604
8.40	24.597	2.705	8.40	23.799	2.816	8.40	23.016	2.934
9.10	26.351	3.025	9.10	25.492	3.151	9.10	24.650	3.284
9.80	28.062	3.364	9.80	27.143	3.505	9.80	26.243	3.655
10.50	29.731	3.723	10.50	28.754	3.880	10.50	27.796	4.048
11.20	31.359	4.103	11.20	30.324	4.278	11.20	29.309	4.464
11.90	32.947	4.504	11.90	31.854	4.699	11.90	30.784	4.905
12.60	34.494	4.930	12.60	33.345	5.145	12.60	32.220	5.373
13.30	36.002	5.380	13.30	34.798	5.617	13.30	33.619	5.869
14.00	37.471	5.857	14.00	36.213	6.117	14.00	34.980	6.395
14.70	38.902	6.361	14.70	37.590	6.647	14.70	36.305	6.952
15.40	40.295	6.896	15.40	38.931	7.209	15.40	37.595	7.543
16.10	41.651	7.462	16.10	40.235	7.805	16.10	38.849	8.170
16.80	42.971	8.061	16.80	41.504	8.436	16.80	40.068	8.835
17.50	44.256	8.696	17.50	42.739	9.105	17.50	41.254	9.540
18.20	45.505	9.369	18.20	43.939	9.814	18.20	42.406	10.289
18.90	46.719	10.082	18.90	45.105	10.566	18.90	43.525	11.083
19.60	47.900	10.838	19.60	46.238	11.364	19.60	44.612	11.926
20.30	49.048	11.640	20.30	47.339	12.210	20.30	45.668	12.821

B FACTORS FOR NITROGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
168.00	68.713		167.00	65.723		166.00	62.829	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.70	2.104	0.180	0.70	2.036	0.187	0.60	1.691	0.166
1.40	4.160	0.371	1.40	4.025	0.386	1.20	3.348	0.341
2.10	6.169	0.574	2.10	5.969	0.597	1.80	4.972	0.525
2.80	8.132	0.790	2.80	7.867	0.821	2.40	6.564	0.720
3.50	10.049	1.018	3.50	9.720	1.060	3.00	8.123	0.924
4.20	11.922	1.261	4.20	11.529	1.313	3.60	9.650	1.140
4.90	13.750	1.518	4.90	13.295	1.581	4.20	11.145	1.367
5.60	15.534	1.791	5.60	15.019	1.866	4.80	12.609	1.607
6.30	17.276	2.081	6.30	16.700	2.169	5.40	14.043	1.858
7.00	18.975	2.388	7.00	18.340	2.490	6.00	15.446	2.124
7.70	20.632	2.714	7.70	19.938	2.830	6.60	16.818	2.403
8.40	22.249	3.059	8.40	21.497	3.192	7.20	18.162	2.697
9.10	23.824	3.425	9.10	23.016	3.575	7.80	19.476	3.007
9.80	25.360	3.814	9.80	24.496	3.982	8.40	20.761	3.333
10.50	26.857	4.225	10.50	25.938	4.414	9.00	22.018	3.676
11.20	28.315	4.662	11.20	27.342	4.873	9.60	23.247	4.038
11.90	29.735	5.125	11.90	28.709	5.360	10.20	24.448	4.418
12.60	31.118	5.617	12.60	30.039	5.876	10.80	25.622	4.819
13.30	32.464	6.138	13.30	31.333	6.424	11.40	26.769	5.241
14.00	33.773	6.691	14.00	32.593	7.006	12.00	27.889	5.685
14.70	35.048	7.277	14.70	33.817	7.624	12.60	28.983	6.152
15.40	36.287	7.900	15.40	35.007	8.280	13.20	30.052	6.645
16.10	37.492	8.560	16.10	36.164	8.977	13.80	31.095	7.164
16.80	38.663	9.262	16.80	37.288	9.717	14.40	32.113	7.710
17.50	39.801	10.006	17.50	38.380	10.504	15.00	33.107	8.286
18.20	40.906	10.796	18.20	39.440	11.339	15.60	34.076	8.892
18.90	41.980	11.636	18.90	40.468	12.227	16.20	35.022	9.531
19.60	43.022	12.527	19.60	41.467	13.171	16.80	35.944	10.204
20.30	44.033	13.474	20.30	42.435	14.174	17.40	36.843	10.914

165.00	60.029		164.00	57.322		163.00	54.706	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.60	1.635	0.173	0.60	1.581	0.180	0.60	1.527	0.187
1.20	3.237	0.355	1.20	3.129	0.370	1.20	3.022	0.385
1.80	4.807	0.547	1.80	4.645	0.570	1.80	4.486	0.594
2.40	6.345	0.750	2.40	6.130	0.781	2.40	5.920	0.815
3.00	7.851	0.963	3.00	7.584	1.004	3.00	7.323	1.047
3.60	9.325	1.188	3.60	9.007	1.239	3.60	8.696	1.293
4.20	10.769	1.425	4.20	10.400	1.487	4.20	10.039	1.552
4.80	12.182	1.675	4.80	11.763	1.748	4.80	11.353	1.826
5.40	13.565	1.939	5.40	13.096	2.024	5.40	12.638	2.114
6.00	14.918	2.216	6.00	14.401	2.314	6.00	13.895	2.419
6.60	16.241	2.509	6.60	15.677	2.621	6.60	15.124	2.740
7.20	17.536	2.817	7.20	16.924	2.944	7.20	16.325	3.079
7.80	18.803	3.141	7.80	18.144	3.284	7.80	17.499	3.436
8.40	20.041	3.483	8.40	19.335	3.643	8.40	18.646	3.813
9.00	21.251	3.843	9.00	20.500	4.021	9.00	19.766	4.211
9.60	22.434	4.223	9.60	21.638	4.420	9.60	20.860	4.630
10.20	23.590	4.622	10.20	22.750	4.840	10.20	21.929	5.073
10.80	24.719	5.044	10.80	23.836	5.283	10.80	22.972	5.539
11.40	25.822	5.487	11.40	24.896	5.750	11.40	23.990	6.031
12.00	26.899	5.955	12.00	25.931	6.243	12.00	24.984	6.551
12.60	27.950	6.447	12.60	26.941	6.762	12.60	25.953	7.099
13.20	28.977	6.966	13.20	27.926	7.310	13.20	26.899	7.677
13.80	29.979	7.513	13.80	28.887	7.887	13.80	27.821	8.287
14.40	30.956	8.090	14.40	29.825	8.496	14.40	28.720	8.930
15.00	31.910	8.698	15.00	30.739	9.138	15.00	29.596	9.610
15.60	32.839	9.338	15.60	31.631	9.816	15.60	30.450	10.327
16.20	33.746	10.014	16.20	32.499	10.530	16.20	31.282	11.084
16.80	34.630	10.726	16.80	33.346	11.284	16.80	32.092	11.883
17.40	35.491	11.477	17.40	34.170	12.080	17.40	32.881	12.727

B FACTORS FOR NITROGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
162.00	52.179		161.00	49.738		160.00	47.383	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.60	1.475	0.195	0.60	1.423	0.204	0.50	1.146	0.176
1.20	2.918	0.402	1.20	2.816	0.419	1.00	2.272	0.362
1.80	4.331	0.620	1.80	4.179	0.647	1.50	3.377	0.555
2.40	5.714	0.850	2.40	5.513	0.888	2.00	4.462	0.759
3.00	7.067	1.094	3.00	6.817	1.143	2.50	5.527	0.972
3.60	8.391	1.351	3.60	8.093	1.412	3.00	6.572	1.195
4.20	9.686	1.622	4.20	9.340	1.696	3.50	7.598	1.429
4.80	10.952	1.908	4.80	10.560	1.996	4.00	8.605	1.673
5.40	12.190	2.211	5.40	11.752	2.313	4.50	9.593	1.930
6.00	13.400	2.530	6.00	12.916	2.649	5.00	10.561	2.199
6.60	14.583	2.867	6.60	14.054	3.003	5.50	11.512	2.480
7.20	15.739	3.223	7.20	15.166	3.376	6.00	12.443	2.775
7.80	16.868	3.598	7.80	16.252	3.771	6.50	13.357	3.083
8.40	17.971	3.995	8.40	17.312	4.188	7.00	14.253	3.407
9.00	19.048	4.413	9.00	18.347	4.629	7.50	15.131	3.745
9.60	20.100	4.854	9.60	19.357	5.094	8.00	15.992	4.099
10.20	21.126	5.320	10.20	20.342	5.585	8.50	16.835	4.471
10.80	22.128	5.812	10.80	21.304	6.104	9.00	17.661	4.859
11.40	23.106	6.332	11.40	22.241	6.652	9.50	18.471	5.266
12.00	24.059	6.880	12.00	23.156	7.231	10.00	19.264	5.692
12.60	24.989	7.458	12.60	24.047	7.843	10.50	20.040	6.139
13.20	25.895	8.069	13.20	24.915	8.489	11.00	20.800	6.606
13.80	26.779	8.714	13.80	25.762	9.172	11.50	21.545	7.095
14.40	27.640	9.395	14.40	26.586	9.893	12.00	22.273	7.608
15.00	28.479	10.115	15.00	27.389	10.656	12.50	22.986	8.145
15.60	29.297	10.874	15.60	28.171	11.462	13.00	23.684	8.707
16.20	30.093	11.677	16.20	28.932	12.314	13.50	24.367	9.296
16.80	30.867	12.525	16.80	29.673	13.214	14.00	25.034	9.913
17.40	31.622	13.421	17.40	30.393	14.166	14.50	25.687	10.560

159.00	45.111		158.00	42.921		157.00	40.811	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.50	1.105	0.184	0.50	1.065	0.193	0.50	1.026	0.202
1.00	2.190	0.378	1.00	2.110	0.395	1.00	2.033	0.414
1.50	3.255	0.581	1.50	3.136	0.608	1.50	3.020	0.636
2.00	4.301	0.793	2.00	4.143	0.830	2.00	3.989	0.870
2.50	5.327	1.016	2.50	5.131	1.064	2.50	4.939	1.115
3.00	6.333	1.250	3.00	6.099	1.309	3.00	5.871	1.372
3.50	7.321	1.495	3.50	7.050	1.567	3.50	6.785	1.643
4.00	8.290	1.752	4.00	7.982	1.836	4.00	7.681	1.926
4.50	9.240	2.022	4.50	8.895	2.119	4.50	8.559	2.223
5.00	10.172	2.304	5.00	9.791	2.416	5.00	9.419	2.536
5.50	11.085	2.600	5.50	10.669	2.727	5.50	10.263	2.863
6.00	11.981	2.909	6.00	11.530	3.053	6.00	11.089	3.206
6.50	12.859	3.234	6.50	12.373	3.395	6.50	11.898	3.567
7.00	13.720	3.574	7.00	13.199	3.753	7.00	12.691	3.945
7.50	14.563	3.931	7.50	14.009	4.129	7.50	13.468	4.341
8.00	15.390	4.304	8.00	14.802	4.523	8.00	14.228	4.757
8.50	16.199	4.696	8.50	15.578	4.936	8.50	14.972	5.193
9.00	16.992	5.105	9.00	16.339	5.369	9.00	15.701	5.651
9.50	17.768	5.535	9.50	17.083	5.823	9.50	16.414	6.131
10.00	18.529	5.985	10.00	17.811	6.299	10.00	17.112	6.634
10.50	19.273	6.457	10.50	18.524	6.797	10.50	17.794	7.163
11.00	20.002	6.951	11.00	19.222	7.320	11.00	18.462	7.717
11.50	20.715	7.469	11.50	19.905	7.869	11.50	19.115	8.298
12.00	21.412	8.011	12.00	20.572	8.444	12.00	19.753	8.908
12.50	22.095	8.580	12.50	21.225	9.047	12.50	20.378	9.547
13.00	22.763	9.176	13.00	21.864	9.679	13.00	20.988	10.219
13.50	23.416	9.800	13.50	22.488	10.342	13.50	21.584	10.923
14.00	24.054	10.455	14.00	23.098	11.037	14.00	22.166	11.662
14.50	24.678	11.141	14.50	23.694	11.766	14.50	22.735	12.438

B FACTORS FOR NITROGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
156.00	38.778		155.00	36.822		154.00	34.940	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.50	0.988	0.211	0.50	0.950	0.221	0.50	0.914	0.232
1.00	1.956	0.433	1.00	1.882	0.454	1.00	1.810	0.477
1.50	2.907	0.667	1.50	2.796	0.699	1.50	2.688	0.734
2.00	3.838	0.912	2.00	3.692	0.957	2.00	3.548	1.004
2.50	4.752	1.169	2.50	4.570	1.227	2.50	4.392	1.289
3.00	5.648	1.440	3.00	5.430	1.511	3.00	5.218	1.588
3.50	6.526	1.724	3.50	6.274	1.810	3.50	6.027	1.903
4.00	7.387	2.022	4.00	7.100	2.124	4.00	6.820	2.233
4.50	8.230	2.335	4.50	7.909	2.454	4.50	7.597	2.581
5.00	9.056	2.663	5.00	8.702	2.800	5.00	8.357	2.946
5.50	9.866	3.008	5.50	9.479	3.164	5.50	9.101	3.330
6.00	10.659	3.370	6.00	10.239	3.546	6.00	9.830	3.734
6.50	11.435	3.750	6.50	10.983	3.947	6.50	10.543	4.158
7.00	12.196	4.149	7.00	11.712	4.369	7.00	11.241	4.603
7.50	12.940	4.568	7.50	12.425	4.811	7.50	11.923	5.072
8.00	13.668	5.008	8.00	13.123	5.276	8.00	12.591	5.564
8.50	14.381	5.469	8.50	13.805	5.764	8.50	13.244	6.081
9.00	15.079	5.953	9.00	14.473	6.277	9.00	13.882	6.624
9.50	15.762	6.461	9.50	15.126	6.815	9.50	14.506	7.195
10.00	16.429	6.994	10.00	15.764	7.381	10.00	15.117	7.796
10.50	17.082	7.554	10.50	16.389	7.975	10.50	15.713	8.426
11.00	17.721	8.142	11.00	16.999	8.598	11.00	16.295	9.089
11.50	18.345	8.758	11.50	17.595	9.253	11.50	16.864	9.785
12.00	18.955	9.406	12.00	18.177	9.941	12.00	17.420	10.518
12.50	19.551	10.086	12.50	18.747	10.664	12.50	17.963	11.287
13.00	20.134	10.799	13.00	19.302	11.424	13.00	18.493	12.096
13.50	20.703	11.548	13.50	19.845	12.221	13.50	19.010	12.946
14.00	21.259	12.335	14.00	20.375	13.059	14.00	19.515	13.840
14.50	21.801	13.161	14.50	20.892	13.940	14.50	20.007	14.780

153.00	33.130		152.00	31.392		151.00	29.722	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.40	0.704	0.194	0.40	0.676	0.204	0.40	0.649	0.214
0.80	1.397	0.396	0.80	1.341	0.417	0.80	1.287	0.438
1.20	2.078	0.607	1.20	1.995	0.638	1.20	1.915	0.671
1.60	2.749	0.827	1.60	2.639	0.869	1.60	2.532	0.915
2.00	3.408	1.055	2.00	3.272	1.110	2.00	3.139	1.168
2.40	4.057	1.294	2.40	3.894	1.361	2.40	3.736	1.433
2.80	4.696	1.542	2.80	4.507	1.623	2.80	4.322	1.709
3.20	5.323	1.800	3.20	5.108	1.895	3.20	4.899	1.996
3.60	5.941	2.070	3.60	5.700	2.179	3.60	5.466	2.296
4.00	6.547	2.350	4.00	6.282	2.475	4.00	6.023	2.609
4.40	7.144	2.642	4.40	6.853	2.783	4.40	6.570	2.935
4.80	7.731	2.946	4.80	7.415	3.104	4.80	7.108	3.274
5.20	8.307	3.262	5.20	7.967	3.439	5.20	7.636	3.628
5.60	8.874	3.592	5.60	8.510	3.787	5.60	8.155	3.997
6.00	9.431	3.935	6.00	9.043	4.150	6.00	8.664	4.382
6.40	9.978	4.292	6.40	9.566	4.528	6.40	9.165	4.782
6.80	10.516	4.663	6.80	10.080	4.922	6.80	9.656	5.200
7.20	11.044	5.050	7.20	10.585	5.332	7.20	10.139	5.635
7.60	11.563	5.453	7.60	11.081	5.759	7.60	10.613	6.088
8.00	12.073	5.872	8.00	11.568	6.204	8.00	11.077	6.560
8.40	12.573	6.309	8.40	12.046	6.667	8.40	11.534	7.053
8.80	13.065	6.763	8.80	12.516	7.150	8.80	11.982	7.565
9.20	13.547	7.236	9.20	12.976	7.652	9.20	12.421	8.100
9.60	14.021	7.729	9.60	13.428	8.176	9.60	12.852	8.657
10.00	14.486	8.241	10.00	13.872	8.721	10.00	13.275	9.237
10.40	14.942	8.775	10.40	14.307	9.289	10.40	13.690	9.842
10.80	15.390	9.330	10.80	14.734	9.880	10.80	14.096	10.472
11.20	15.829	9.909	11.20	15.153	10.496	11.20	14.495	11.129
11.60	16.260	10.511	11.60	15.564	11.138	11.60	14.886	11.814

B FACTORS FOR NITROGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
150.00	28.119		149.00	26.583		148.00	25.110	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.40	0.622	0.226	0.40	0.597	0.238	0.40	0.572	0.250
0.80	1.235	0.461	0.80	1.183	0.486	0.80	1.133	0.512
1.20	1.836	0.707	1.20	1.760	0.745	1.20	1.686	0.785
1.60	2.428	0.963	1.60	2.327	1.015	1.60	2.228	1.071
2.00	3.010	1.231	2.00	2.884	1.298	2.00	2.761	1.369
2.40	3.581	1.510	2.40	3.431	1.593	2.40	3.285	1.681
2.80	4.143	1.801	2.80	3.969	1.900	2.80	3.799	2.007
3.20	4.695	2.105	3.20	4.497	2.222	3.20	4.304	2.346
3.60	5.238	2.422	3.60	5.016	2.557	3.60	4.800	2.701
4.00	5.771	2.753	4.00	5.525	2.907	4.00	5.287	3.072
4.40	6.294	3.097	4.40	6.026	3.272	4.40	5.765	3.459
4.80	6.808	3.457	4.80	6.517	3.652	4.80	6.234	3.863
5.20	7.313	3.832	5.20	7.000	4.050	5.20	6.695	4.284
5.60	7.809	4.222	5.60	7.473	4.464	5.60	7.147	4.725
6.00	8.296	4.630	6.00	7.938	4.897	6.00	7.590	5.184
6.40	8.774	5.055	6.40	8.395	5.348	6.40	8.026	5.664
6.80	9.244	5.498	6.80	8.842	5.819	6.80	8.453	6.164
7.20	9.704	5.960	7.20	9.282	6.310	7.20	8.871	6.687
7.60	10.156	6.441	7.60	9.713	6.822	7.60	9.282	7.232
8.00	10.600	6.944	8.00	10.136	7.356	8.00	9.685	7.801
8.40	11.035	7.467	8.40	10.551	7.914	8.40	10.080	8.395
8.80	11.462	8.013	8.80	10.957	8.495	8.80	10.467	9.015
9.20	11.881	8.582	9.20	11.356	9.101	9.20	10.847	9.662
9.60	12.292	9.175	9.60	11.747	9.734	9.60	11.219	10.337
10.00	12.695	9.794	10.00	12.131	10.394	10.00	11.583	11.042
10.40	13.089	10.439	10.40	12.506	11.082	10.40	11.940	11.777
10.80	13.477	11.111	10.80	12.875	11.800	10.80	12.290	12.545
11.20	13.856	11.812	11.20	13.235	12.550	11.20	12.633	13.347
11.60	14.228	12.543	11.60	13.589	13.331	11.60	12.968	14.184

147.00	23.699		146.00	22.349		145.00	21.057	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.40	0.547	0.264	0.40	0.524	0.279	0.30	0.376	0.220
0.80	1.085	0.540	0.80	1.038	0.571	0.60	0.747	0.447
1.20	1.613	0.829	1.20	1.543	0.876	0.90	1.113	0.683
1.60	2.132	1.131	1.60	2.039	1.195	1.20	1.474	0.926
2.00	2.642	1.446	2.00	2.526	1.529	1.50	1.830	1.178
2.40	3.142	1.776	2.40	3.004	1.878	1.80	2.182	1.439
2.80	3.634	2.121	2.80	3.473	2.243	2.10	2.528	1.709
3.20	4.116	2.481	3.20	3.934	2.625	2.40	2.869	1.988
3.60	4.590	2.857	3.60	4.386	3.024	2.70	3.206	2.277
4.00	5.055	3.250	4.00	4.829	3.441	3.00	3.538	2.575
4.40	5.511	3.660	4.40	5.265	3.877	3.30	3.865	2.884
4.80	5.959	4.089	4.80	5.692	4.332	3.60	4.188	3.204
5.20	6.398	4.537	5.20	6.110	4.809	3.90	4.506	3.534
5.60	6.829	5.005	5.60	6.521	5.306	4.20	4.819	3.876
6.00	7.252	5.493	6.00	6.924	5.826	4.50	5.128	4.229
6.40	7.667	6.003	6.40	7.319	6.370	4.80	5.432	4.595
6.80	8.074	6.536	6.80	7.706	6.937	5.10	5.732	4.973
7.20	8.473	7.093	7.20	8.086	7.531	5.40	6.027	5.363
7.60	8.864	7.674	7.60	8.458	8.150	5.70	6.319	5.768
8.00	9.247	8.280	8.00	8.822	8.798	6.00	6.605	6.185
8.40	9.623	8.914	8.40	9.179	9.475	6.30	6.888	6.617
8.80	9.991	9.576	8.80	9.529	10.182	6.60	7.166	7.064
9.20	10.352	10.267	9.20	9.872	10.921	6.90	7.440	7.526
9.60	10.705	10.988	9.60	10.208	11.693	7.20	7.710	8.004
10.00	11.052	11.742	10.00	10.536	12.499	7.50	7.976	8.497
10.40	11.391	12.529	10.40	10.858	13.342	7.80	8.238	9.008
10.80	11.723	13.351	10.80	11.173	14.223	8.10	8.495	9.535
11.20	12.048	14.209	11.20	11.481	15.144	8.40	8.749	10.081
11.60	12.367	15.106	11.60	11.783	16.106	8.70	8.999	10.645

B FACTORS FOR NITROGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
144.00	19.823		143.00	18.644		142.00	17.519	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.30	0.359	0.232	0.30	0.343	0.246	0.30	0.327	0.261
0.60	0.714	0.473	0.60	0.681	0.501	0.60	0.650	0.531
0.90	1.063	0.722	0.90	1.015	0.765	0.90	0.968	0.811
1.20	1.408	0.980	1.20	1.344	1.038	1.20	1.281	1.101
1.50	1.748	1.247	1.50	1.668	1.321	1.50	1.590	1.401
1.80	2.083	1.524	1.80	1.987	1.615	1.80	1.894	1.713
2.10	2.413	1.810	2.10	2.302	1.918	2.10	2.194	2.036
2.40	2.739	2.106	2.40	2.612	2.233	2.40	2.489	2.370
2.70	3.060	2.412	2.70	2.918	2.559	2.70	2.781	2.716
3.00	3.376	2.730	3.00	3.219	2.896	3.00	3.067	3.075
3.30	3.688	3.058	3.30	3.516	3.245	3.30	3.350	3.446
3.60	3.995	3.397	3.60	3.809	3.606	3.60	3.628	3.831
3.90	4.298	3.749	3.90	4.097	3.980	3.90	3.902	4.230
4.20	4.597	4.112	4.20	4.381	4.367	4.20	4.172	4.643
4.50	4.891	4.488	4.50	4.661	4.768	4.50	4.438	5.070
4.80	5.180	4.878	4.80	4.936	5.183	4.80	4.700	5.513
5.10	5.466	5.280	5.10	5.208	5.612	5.10	4.957	5.971
5.40	5.747	5.697	5.40	5.475	6.056	5.40	5.211	6.445
5.70	6.024	6.127	5.70	5.738	6.516	5.70	5.461	6.937
6.00	6.296	6.573	6.00	5.997	6.992	6.00	5.707	7.445
6.30	6.565	7.034	6.30	6.252	7.485	6.30	5.949	7.972
6.60	6.829	7.511	6.60	6.503	7.994	6.60	6.187	8.517
6.90	7.090	8.004	6.90	6.750	8.522	6.90	6.421	9.082
7.20	7.346	8.515	7.20	6.993	9.068	7.20	6.652	9.666
7.50	7.599	9.042	7.50	7.233	9.632	7.50	6.879	10.272
7.80	7.847	9.588	7.80	7.469	10.217	7.80	7.102	10.898
8.10	8.092	10.153	8.10	7.700	10.822	8.10	7.322	11.547
8.40	8.332	10.737	8.40	7.929	11.448	8.40	7.538	12.218
8.70	8.569	11.341	8.70	8.153	12.095	8.70	7.751	12.914

141.00	16.447		140.00	15.425		139.00	14.452	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.30	0.312	0.276	0.30	0.297	0.293	0.30	0.283	0.312
0.60	0.619	0.563	0.60	0.589	0.598	0.60	0.561	0.635
0.90	0.922	0.860	0.90	0.878	0.913	0.90	0.835	0.971
1.20	1.220	1.168	1.20	1.162	1.241	1.20	1.105	1.319
1.50	1.514	1.488	1.50	1.441	1.581	1.50	1.371	1.681
1.80	1.804	1.819	1.80	1.717	1.933	1.80	1.632	2.056
2.10	2.089	2.162	2.10	1.988	2.298	2.10	1.890	2.446
2.40	2.371	2.518	2.40	2.255	2.677	2.40	2.144	2.850
2.70	2.647	2.886	2.70	2.518	3.070	2.70	2.394	3.269
3.00	2.920	3.268	3.00	2.777	3.477	3.00	2.639	3.703
3.30	3.189	3.664	3.30	3.033	3.900	3.30	2.881	4.154
3.60	3.453	4.075	3.60	3.284	4.338	3.60	3.120	4.622
3.90	3.713	4.500	3.90	3.531	4.791	3.90	3.354	5.107
4.20	3.970	4.940	4.20	3.774	5.262	4.20	3.585	5.610
4.50	4.222	5.396	4.50	4.014	5.750	4.50	3.812	6.132
4.80	4.471	5.869	4.80	4.249	6.255	4.80	4.035	6.673
5.10	4.715	6.359	5.10	4.481	6.779	5.10	4.255	7.234
5.40	4.956	6.866	5.40	4.709	7.322	5.40	4.471	7.816
5.70	5.193	7.392	5.70	4.934	7.885	5.70	4.683	8.419
6.00	5.426	7.936	6.00	5.155	8.468	6.00	4.892	9.045
6.30	5.656	8.500	6.30	5.372	9.072	6.30	5.098	9.693
6.60	5.881	9.084	6.60	5.586	9.698	6.60	5.300	10.366
6.90	6.103	9.689	6.90	5.796	10.348	6.90	5.498	11.063
7.20	6.322	10.316	7.20	6.002	11.020	7.20	5.694	11.786
7.50	6.537	10.965	7.50	6.206	11.717	7.50	5.886	12.535
7.80	6.748	11.637	7.80	6.405	12.440	7.80	6.075	13.312
8.10	6.956	12.333	8.10	6.602	13.188	8.10	6.260	14.118
8.40	7.160	13.055	8.40	6.795	13.964	8.40	6.442	14.953
8.70	7.361	13.802	8.70	6.985	14.768	8.70	6.622	15.819

B FACTORS FOR NITROGEN

TF1 (R)	PF1 (PSIA)	
138.00	13.527	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.30	0.269	0.331
0.60	0.533	0.676
0.90	0.793	1.033
1.20	1.050	1.404
1.50	1.302	1.789
1.80	1.551	2.190
2.10	1.795	2.605
2.40	2.036	3.036
2.70	2.273	3.484
3.00	2.506	3.948
3.30	2.735	4.430
3.60	2.961	4.930
3.90	3.183	5.449
4.20	3.402	5.988
4.50	3.617	6.547
4.80	3.828	7.127
5.10	4.036	7.728
5.40	4.240	8.352
5.70	4.441	9.000
6.00	4.639	9.671
6.30	4.833	10.368
6.60	5.024	11.091
6.90	5.212	11.840
7.20	5.396	12.618
7.50	5.577	13.425
7.80	5.755	14.262
8.10	5.930	15.130
8.40	6.102	16.030
8.70	6.271	16.964

TF1 (R)	PF1 (PSIA)	
137.00	12.647	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.30	0.255	0.353
0.60	0.506	0.719
0.90	0.753	1.100
1.20	0.997	1.496
1.50	1.236	1.907
1.80	1.472	2.334
2.10	1.704	2.777
2.40	1.932	3.238
2.70	2.156	3.716
3.00	2.377	4.213
3.30	2.594	4.729
3.60	2.808	5.265
3.90	3.018	5.821
4.20	3.225	6.398
4.50	3.428	6.997
4.80	3.628	7.619
5.10	3.824	8.265
5.40	4.018	8.935
5.70	4.207	9.631
6.00	4.394	10.353
6.30	4.577	11.102
6.60	4.758	11.880
6.90	4.935	12.687
7.20	5.109	13.525
7.50	5.280	14.394
7.80	5.447	15.296
8.10	5.612	16.233
8.40	5.774	17.204
8.70	5.933	18.213

TF1 (R)	PF1 (PSIA)	
136.00	11.813	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.20	0.162	0.249
0.40	0.322	0.504
0.60	0.480	0.767
0.80	0.637	1.036
1.00	0.792	1.312
1.20	0.945	1.595
1.40	1.097	1.886
1.60	1.247	2.184
1.80	1.395	2.490
2.00	1.542	2.804
2.20	1.688	3.127
2.40	1.831	3.457
2.60	1.973	3.796
2.80	2.114	4.144
3.00	2.253	4.501
3.20	2.390	4.867
3.40	2.526	5.242
3.60	2.660	5.627
3.80	2.793	6.022
4.00	2.925	6.428
4.20	3.054	6.843
4.40	3.183	7.269
4.60	3.310	7.706
4.80	3.435	8.154
5.00	3.559	8.614
5.20	3.682	9.085
5.40	3.803	9.569
5.60	3.923	10.065
5.80	4.041	10.573

135.00	11.021	
0.00	0.000	0.000
0.20	0.153	0.265
0.40	0.305	0.538
0.60	0.455	0.818
0.80	0.604	1.105
1.00	0.750	1.400
1.20	0.896	1.703
1.40	1.039	2.013
1.60	1.181	2.332
1.80	1.322	2.660
2.00	1.461	2.996
2.20	1.598	3.341
2.40	1.734	3.695
2.60	1.868	4.058
2.80	2.001	4.431
3.00	2.133	4.813
3.20	2.262	5.206
3.40	2.391	5.609
3.60	2.518	6.022
3.80	2.643	6.446
4.00	2.767	6.881
4.20	2.890	7.327
4.40	3.011	7.785
4.60	3.131	8.255
4.80	3.249	8.737
5.00	3.366	9.232
5.20	3.482	9.739
5.40	3.596	10.259
5.60	3.709	10.793
5.80	3.821	11.341

134.00	10.270	
0.00	0.000	0.000
0.20	0.145	0.283
0.40	0.289	0.574
0.60	0.431	0.873
0.80	0.571	1.180
1.00	0.710	1.496
1.20	0.848	1.819
1.40	0.984	2.152
1.60	1.118	2.493
1.80	1.251	2.844
2.00	1.382	3.204
2.20	1.512	3.573
2.40	1.640	3.953
2.60	1.767	4.342
2.80	1.893	4.742
3.00	2.017	5.153
3.20	2.140	5.574
3.40	2.261	6.007
3.60	2.381	6.451
3.80	2.499	6.906
4.00	2.616	7.374
4.20	2.732	7.854
4.40	2.846	8.347
4.60	2.959	8.853
4.80	3.070	9.372
5.00	3.181	9.904
5.20	3.289	10.451
5.40	3.397	11.012
5.60	3.503	11.588
5.80	3.608	12.178

133.00	9.560	
0.00	0.000	0.000
0.20	0.137	0.303
0.40	0.273	0.614
0.60	0.408	0.934
0.80	0.540	1.262
1.00	0.672	1.599
1.20	0.802	1.946
1.40	0.930	2.302
1.60	1.057	2.668
1.80	1.182	3.044
2.00	1.307	3.430
2.20	1.429	3.826
2.40	1.550	4.234
2.60	1.670	4.652
2.80	1.789	5.081
3.00	1.906	5.522
3.20	2.021	5.975
3.40	2.135	6.440
3.60	2.248	6.918
3.80	2.360	7.408
4.00	2.470	7.912
4.20	2.579	8.429
4.40	2.687	8.960
4.60	2.793	9.505
4.80	2.898	10.064
5.00	3.002	10.639
5.20	3.104	11.228
5.40	3.205	11.834
5.60	3.305	12.455
5.80	3.404	13.093

B FACTORS FOR NITROGEN

TF1 (R)	PF1 (PSIA)
132.00	8.888

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.20	0.130	0.324
0.40	0.258	0.657
0.60	0.385	0.999
0.80	0.511	1.351
1.00	0.635	1.712
1.20	0.757	2.084
1.40	0.878	2.466
1.60	0.998	2.858
1.80	1.117	3.262
2.00	1.234	3.676
2.20	1.349	4.102
2.40	1.464	4.539
2.60	1.576	4.989
2.80	1.688	5.451
3.00	1.798	5.925
3.20	1.907	6.413
3.40	2.015	6.913
3.60	2.121	7.428
3.80	2.226	7.956
4.00	2.330	8.499
4.20	2.432	9.056
4.40	2.534	9.628
4.60	2.634	10.216
4.80	2.732	10.820
5.00	2.830	11.441
5.20	2.926	12.078
5.40	3.021	12.732
5.60	3.115	13.404
5.80	3.208	14.094

TF1 (R)	PF1 (PSIA)
131.00	8.253

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.20	0.123	0.347
0.40	0.244	0.703
0.60	0.364	1.070
0.80	0.482	1.447
1.00	0.599	1.835
1.20	0.715	2.234
1.40	0.829	2.644
1.60	0.942	3.066
1.80	1.053	3.499
2.00	1.164	3.944
2.20	1.273	4.402
2.40	1.380	4.873
2.60	1.486	5.357
2.80	1.591	5.854
3.00	1.695	6.365
3.20	1.798	6.890
3.40	1.899	7.429
3.60	1.999	7.984
3.80	2.098	8.554
4.00	2.195	9.139
4.20	2.292	9.741
4.40	2.387	10.359
4.60	2.481	10.995
4.80	2.573	11.647
5.00	2.665	12.318
5.20	2.755	13.007
5.40	2.845	13.715
5.60	2.933	14.442
5.80	3.020	15.190

TF1 (R)	PF1 (PSIA)
130.00	7.654

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.20	0.116	0.372
0.40	0.230	0.754
0.60	0.343	1.148
0.80	0.454	1.553
1.00	0.565	1.969
1.20	0.674	2.398
1.40	0.781	2.838
1.60	0.887	3.291
1.80	0.993	3.758
2.00	1.096	4.237
2.20	1.199	4.730
2.40	1.300	5.237
2.60	1.400	5.758
2.80	1.499	6.294
3.00	1.596	6.845
3.20	1.693	7.411
3.40	1.788	7.994
3.60	1.882	8.592
3.80	1.974	9.208
4.00	2.066	9.840
4.20	2.156	10.491
4.40	2.246	11.159
4.60	2.334	11.847
4.80	2.421	12.553
5.00	2.507	13.279
5.20	2.591	14.025
5.40	2.675	14.793
5.60	2.757	15.581
5.80	2.839	16.391

TF1 (R)	PF1 (PSIA)
129.00	7.090

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.20	0.109	0.399
0.40	0.217	0.810
0.60	0.323	1.232
0.80	0.428	1.668
1.00	0.532	2.115
1.20	0.634	2.576
1.40	0.735	3.050
1.60	0.835	3.538
1.80	0.934	4.040
2.00	1.032	4.556
2.20	1.128	5.088
2.40	1.223	5.634
2.60	1.317	6.197
2.80	1.410	6.775
3.00	1.501	7.370
3.20	1.592	7.982
3.40	1.681	8.611
3.60	1.769	9.258
3.80	1.856	9.924
4.00	1.942	10.608
4.20	2.027	11.312
4.40	2.110	12.036
4.60	2.193	12.781
4.80	2.274	13.546
5.00	2.355	14.333
5.20	2.434	15.143
5.40	2.512	15.975
5.60	2.590	16.831
5.80	2.666	17.711

TF1 (R)	PF1 (PSIA)
128.00	6.558

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.20	0.102	0.429
0.40	0.204	0.870
0.60	0.304	1.325
0.80	0.402	1.793
1.00	0.500	2.275
1.20	0.596	2.771
1.40	0.691	3.282
1.60	0.785	3.808
1.80	0.878	4.349
2.00	0.970	4.906
2.20	1.060	5.479
2.40	1.149	6.070
2.60	1.237	6.677
2.80	1.324	7.302
3.00	1.410	7.945
3.20	1.495	8.607
3.40	1.579	9.287
3.60	1.661	9.988
3.80	1.743	10.709
4.00	1.823	11.450
4.20	1.902	12.213
4.40	1.981	12.998
4.60	2.058	13.806
4.80	2.134	14.637
5.00	2.209	15.491
5.20	2.284	16.370
5.40	2.357	17.275
5.60	2.429	18.205
5.80	2.500	19.162

TF1 (R)	PF1 (PSIA)
127.00	6.058

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.20	0.096	0.461
0.40	0.191	0.936
0.60	0.285	1.426
0.80	0.378	1.930
1.00	0.470	2.449
1.20	0.560	2.984
1.40	0.649	3.535
1.60	0.737	4.103
1.80	0.824	4.687
2.00	0.910	5.289
2.20	0.995	5.908
2.40	1.079	6.546
2.60	1.161	7.203
2.80	1.243	7.879
3.00	1.323	8.576
3.20	1.402	9.292
3.40	1.481	10.030
3.60	1.558	10.789
3.80	1.634	11.571
4.00	1.709	12.375
4.20	1.784	13.203
4.40	1.857	14.056
4.60	1.929	14.933
4.80	2.000	15.836
5.00	2.070	16.765
5.20	2.140	17.721
5.40	2.208	18.705
5.60	2.275	19.717
5.80	2.342	20.759

B FACTORS FOR NITROGEN

TF1 (R)	PF1 (PSIA)	
126.00	5.589	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.20	0.090	0.497
0.40	0.180	1.009
0.60	0.268	1.536
0.80	0.355	2.080
1.00	0.441	2.641
1.20	0.525	3.218
1.40	0.609	3.813
1.60	0.692	4.426
1.80	0.773	5.058
2.00	0.853	5.709
2.20	0.933	6.379
2.40	1.011	7.070
2.60	1.088	7.781
2.80	1.165	8.514
3.00	1.240	9.268
3.20	1.314	10.045
3.40	1.387	10.846
3.60	1.459	11.670
3.80	1.530	12.519
4.00	1.601	13.393
4.20	1.670	14.293
4.40	1.738	15.219
4.60	1.806	16.174
4.80	1.872	17.156
5.00	1.937	18.168
5.20	2.002	19.209
5.40	2.066	20.281
5.60	2.128	21.385
5.80	2.190	22.522

TF1 (R)	PF1 (PSIA)	
125.00	5.148	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.20	0.085	0.536
0.40	0.168	1.088
0.60	0.251	1.657
0.80	0.332	2.245
1.00	0.413	2.850
1.20	0.492	3.474
1.40	0.570	4.118
1.60	0.648	4.781
1.80	0.724	5.465
2.00	0.799	6.170
2.20	0.873	6.896
2.40	0.946	7.645
2.60	1.019	8.416
2.80	1.090	9.211
3.00	1.160	10.030
3.20	1.229	10.874
3.40	1.298	11.743
3.60	1.365	12.639
3.80	1.431	13.562
4.00	1.497	14.513
4.20	1.561	15.493
4.40	1.625	16.502
4.60	1.688	17.541
4.80	1.750	18.612
5.00	1.811	19.715
5.20	1.871	20.851
5.40	1.930	22.022
5.60	1.988	23.227
5.80	2.046	24.468

TF1 (R)	PF1 (PSIA)	
124.00	4.735	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.20	0.079	0.578
0.40	0.158	1.175
0.60	0.235	1.790
0.80	0.311	2.425
1.00	0.386	3.080
1.20	0.460	3.756
1.40	0.534	4.453
1.60	0.606	5.171
1.80	0.677	5.913
2.00	0.747	6.677
2.20	0.816	7.465
2.40	0.885	8.277
2.60	0.952	9.115
2.80	1.019	9.979
3.00	1.084	10.869
3.20	1.149	11.787
3.40	1.212	12.733
3.60	1.275	13.708
3.80	1.337	14.713
4.00	1.398	15.749
4.20	1.458	16.817
4.40	1.517	17.918
4.60	1.576	19.052
4.80	1.633	20.221
5.00	1.690	21.425
5.20	1.746	22.667
5.40	1.801	23.946
5.60	1.855	25.264
5.80	1.908	26.622

123.00	4.349	
0.00	0.000	0.000
0.10	0.037	0.310
0.20	0.074	0.625
0.30	0.111	0.945
0.40	0.147	1.270
0.50	0.184	1.601
0.60	0.220	1.936
0.70	0.255	2.277
0.80	0.291	2.624
0.90	0.326	2.976
1.00	0.361	3.333
1.10	0.396	3.697
1.20	0.430	4.066
1.30	0.464	4.440
1.40	0.499	4.821
1.50	0.532	5.208
1.60	0.566	5.601
1.70	0.599	6.000
1.80	0.632	6.405
1.90	0.665	6.817
2.00	0.698	7.235
2.10	0.730	7.660
2.20	0.762	8.091
2.30	0.794	8.530
2.40	0.826	8.975
2.50	0.857	9.427
2.60	0.889	9.886
2.70	0.920	10.352
2.80	0.951	10.825
2.90	0.981	11.306

122.00	3.988	
0.00	0.000	0.000
0.10	0.035	0.336
0.20	0.069	0.677
0.30	0.104	1.023
0.40	0.138	1.375
0.50	0.171	1.733
0.60	0.205	2.097
0.70	0.238	2.467
0.80	0.271	2.842
0.90	0.304	3.224
1.00	0.337	3.612
1.10	0.369	4.006
1.20	0.401	4.407
1.30	0.433	4.814
1.40	0.465	5.227
1.50	0.497	5.647
1.60	0.528	6.074
1.70	0.559	6.508
1.80	0.590	6.949
1.90	0.620	7.396
2.00	0.651	7.851
2.10	0.681	8.313
2.20	0.711	8.783
2.30	0.740	9.260
2.40	0.770	9.744
2.50	0.799	10.237
2.60	0.828	10.737
2.70	0.857	11.245
2.80	0.886	11.761
2.90	0.914	12.285

121.00	3.651	
0.00	0.000	0.000
0.10	0.032	0.364
0.20	0.065	0.733
0.30	0.097	1.109
0.40	0.128	1.491
0.50	0.160	1.880
0.60	0.191	2.274
0.70	0.222	2.676
0.80	0.253	3.084
0.90	0.283	3.498
1.00	0.314	3.920
1.10	0.344	4.348
1.20	0.374	4.783
1.30	0.404	5.226
1.40	0.433	5.676
1.50	0.462	6.133
1.60	0.492	6.597
1.70	0.520	7.069
1.80	0.549	7.549
1.90	0.578	8.036
2.00	0.606	8.532
2.10	0.634	9.035
2.20	0.662	9.547
2.30	0.689	10.067
2.40	0.717	10.595
2.50	0.744	11.132
2.60	0.771	11.678
2.70	0.798	12.232
2.80	0.824	12.795
2.90	0.851	13.367

Appendix D: B-factors for fluorine, calculated from eq (5).

B FACTORS FOR FLUORINE

TF1 (R)	PF1 (PSIA)	
250.00	599.358	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.50	21.530	0.125
3.00	42.455	0.256
4.50	62.795	0.395
6.00	82.565	0.543
7.50	101.783	0.701
9.00	120.461	0.870
10.50	138.614	1.050
12.00	156.253	1.242
13.50	173.390	1.446
15.00	190.037	1.664
16.50	206.203	1.896
18.00	221.899	2.144
19.50	237.135	2.409
21.00	251.921	2.691
22.50	266.264	2.993
24.00	280.175	3.316
25.50	293.662	3.660
27.00	306.733	4.028
28.50	319.397	4.421
30.00	331.662	4.842
31.50	343.535	5.292
33.00	355.024	5.774
34.50	366.138	6.289
36.00	376.883	6.841
37.50	387.268	7.432
39.00	397.299	8.066
40.50	406.983	8.746
42.00	416.329	9.475
43.50	425.343	10.257

TF1 (R)	PF1 (PSIA)	
248.00	570.787	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.50	20.728	0.120
3.00	40.876	0.249
4.50	60.461	0.386
6.00	79.497	0.533
7.50	97.999	0.690
9.00	115.979	0.858
10.50	133.450	1.038
12.00	150.422	1.230
13.50	166.907	1.435
15.00	182.916	1.654
16.50	198.458	1.888
18.00	213.543	2.139
19.50	228.180	2.407
21.00	242.378	2.693
22.50	256.147	3.000
24.00	269.494	3.328
25.50	282.429	3.679
27.00	294.958	4.054
28.50	307.092	4.457
30.00	318.836	4.887
31.50	330.199	5.349
33.00	341.189	5.844
34.50	351.813	6.374
36.00	362.079	6.943
37.50	371.994	7.553
39.00	381.565	8.208
40.50	390.799	8.912
42.00	399.704	9.667
43.50	408.286	10.480

TF1 (R)	PF1 (PSIA)	
246.00	543.279	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.50	19.958	0.119
3.00	39.359	0.246
4.50	58.215	0.384
6.00	76.542	0.531
7.50	94.351	0.688
9.00	111.654	0.857
10.50	128.463	1.038
12.00	144.788	1.232
13.50	160.640	1.439
15.00	176.028	1.661
16.50	190.963	1.899
18.00	205.453	2.154
19.50	219.507	2.427
21.00	233.134	2.720
22.50	246.343	3.033
24.00	259.142	3.369
25.50	271.538	3.729
27.00	283.541	4.115
28.50	295.158	4.529
30.00	306.396	4.973
31.50	317.263	5.449
33.00	327.767	5.960
34.50	337.915	6.509
36.00	347.714	7.099
37.50	357.172	7.732
39.00	366.296	8.413
40.50	375.092	9.146
42.00	383.568	9.934
43.50	391.732	10.782

244.00	516.793	
0.00	0.000	0.000
1.50	19.218	0.119
3.00	37.896	0.247
4.50	56.049	0.385
6.00	73.688	0.533
7.50	90.825	0.692
9.00	107.472	0.863
10.50	123.638	1.047
12.00	139.334	1.243
13.50	154.570	1.455
15.00	169.356	1.681
16.50	183.699	1.924
18.00	197.610	2.185
19.50	211.097	2.465
21.00	224.168	2.765
22.50	236.832	3.087
24.00	249.097	3.433
25.50	260.970	3.804
27.00	272.459	4.203
28.50	283.573	4.631
30.00	294.318	5.090
31.50	304.703	5.584
33.00	314.734	6.115
34.50	324.418	6.685
36.00	333.764	7.299
37.50	342.778	7.960
39.00	351.467	8.671
40.50	359.838	9.437
42.00	367.898	10.262
43.50	375.655	11.152

242.00	491.290	
0.00	0.000	0.000
1.50	18.502	0.120
3.00	36.482	0.249
4.50	53.953	0.389
6.00	70.925	0.539
7.50	87.410	0.700
9.00	103.419	0.874
10.50	118.961	1.061
12.00	134.046	1.262
13.50	148.683	1.478
15.00	162.881	1.710
16.50	176.650	1.959
18.00	189.997	2.227
19.50	202.932	2.515
21.00	215.461	2.824
22.50	227.595	3.157
24.00	239.339	3.514
25.50	250.702	3.898
27.00	261.692	4.311
28.50	272.316	4.755
30.00	282.582	5.233
31.50	292.497	5.747
33.00	302.068	6.300
34.50	311.302	6.896
36.00	320.207	7.537
37.50	328.789	8.229
39.00	337.056	8.974
40.50	345.014	9.778
42.00	352.671	10.646
43.50	360.033	11.583

240.00	466.737	
0.00	0.000	0.000
1.40	16.637	0.113
2.80	32.834	0.234
4.20	48.598	0.365
5.60	63.939	0.505
7.00	78.866	0.655
8.40	93.386	0.817
9.80	107.507	0.990
11.20	121.238	1.175
12.60	134.584	1.373
14.00	147.554	1.586
15.40	160.155	1.814
16.80	172.393	2.057
18.20	184.276	2.319
19.60	195.809	2.598
21.00	206.999	2.898
22.40	217.853	3.218
23.80	228.377	3.562
25.20	238.577	3.929
26.60	248.459	4.323
28.00	258.029	4.746
29.40	267.294	5.198
30.80	276.258	5.683
32.20	284.929	6.203
33.60	293.311	6.761
35.00	301.411	7.360
36.40	309.234	8.002
37.80	316.785	8.692
39.20	324.071	9.433
40.60	331.098	10.230

B FACTORS FOR FLUORINE

TF1 (R)	PF1 (PSIA)
238.00	443.105

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.40	16.010	0.115
2.80	31.592	0.239
4.20	46.755	0.372
5.60	61.506	0.515
7.00	75.854	0.669
8.40	89.807	0.835
9.80	103.372	1.012
11.20	116.557	1.203
12.60	129.368	1.407
14.00	141.812	1.626
15.40	153.897	1.861
16.80	165.629	2.114
18.20	177.014	2.384
19.60	188.060	2.674
21.00	198.771	2.985
22.40	209.156	3.318
23.80	219.219	3.675
25.20	228.966	4.058
26.60	238.405	4.470
28.00	247.540	4.911
29.40	256.378	5.384
30.80	264.924	5.892
32.20	273.185	6.437
33.60	281.165	7.023
35.00	288.871	7.652
36.40	296.308	8.329
37.80	303.482	9.057
39.20	310.399	9.839
40.60	317.063	10.682

TF1 (R)	PF1 (PSIA)
236.00	420.365

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.40	15.401	0.117
2.80	30.387	0.244
4.20	44.964	0.381
5.60	59.142	0.528
7.00	72.928	0.686
8.40	86.329	0.856
9.80	99.352	1.039
11.20	112.005	1.236
12.60	124.295	1.447
14.00	136.228	1.674
15.40	147.810	1.918
16.80	159.049	2.179
18.20	169.951	2.460
19.60	180.522	2.762
21.00	190.767	3.085
22.40	200.694	3.433
23.80	210.309	3.806
25.20	219.617	4.206
26.60	228.624	4.637
28.00	237.336	5.099
29.40	245.759	5.595
30.80	253.899	6.129
32.20	261.761	6.703
33.60	269.351	7.320
35.00	276.675	7.984
36.40	283.738	8.698
37.80	290.545	9.468
39.20	297.103	10.297
40.60	303.417	11.190

TF1 (R)	PF1 (PSIA)
234.00	398.491

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.40	14.810	0.120
2.80	29.215	0.251
4.20	43.224	0.391
5.60	56.844	0.543
7.00	70.082	0.706
8.40	82.946	0.882
9.80	95.443	1.071
11.20	107.578	1.274
12.60	119.360	1.494
14.00	130.795	1.729
15.40	141.888	1.982
16.80	152.647	2.254
18.20	163.078	2.547
19.60	173.186	2.861
21.00	182.979	3.199
22.40	192.461	3.563
23.80	201.639	3.953
25.20	210.519	4.373
26.60	219.107	4.825
28.00	227.408	5.311
29.40	235.428	5.833
30.80	243.173	6.396
32.20	250.648	7.001
33.60	257.859	7.653
35.00	264.812	8.355
36.40	271.512	9.113
37.80	277.965	9.929
39.20	284.175	10.810
40.60	290.150	11.760

TF1 (R)	PF1 (PSIA)
232.00	377.459

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.40	14.235	0.124
2.80	28.076	0.258
4.20	41.532	0.403
5.60	54.609	0.560
7.00	67.314	0.729
8.40	79.655	0.911
9.80	91.639	1.107
11.20	103.271	1.318
12.60	114.559	1.546
14.00	125.508	1.791
15.40	136.125	2.055
16.80	146.417	2.339
18.20	156.390	2.645
19.60	166.048	2.974
21.00	175.400	3.328
22.40	184.449	3.709
23.80	193.203	4.119
25.20	201.667	4.560
26.60	209.847	5.035
28.00	217.748	5.547
29.40	225.377	6.099
30.80	232.739	6.693
32.20	239.838	7.334
33.60	246.682	8.024
35.00	253.275	8.770
36.40	259.624	9.574
37.80	265.732	10.443
39.20	271.607	11.381
40.60	277.253	12.396

TF1 (R)	PF1 (PSIA)
230.00	357.244

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.30	12.711	0.119
2.60	25.091	0.246
3.90	37.147	0.384
5.20	48.884	0.531
6.50	60.308	0.690
7.80	71.424	0.860
9.10	82.237	1.043
10.40	92.752	1.240
11.70	102.975	1.450
13.00	112.910	1.676
14.30	122.564	1.918
15.60	131.939	2.177
16.90	141.043	2.455
18.20	149.878	2.753
19.50	158.451	3.073
20.80	166.765	3.415
22.10	174.826	3.782
23.40	182.638	4.176
24.70	190.206	4.597
26.00	197.533	5.049
27.30	204.626	5.534
28.60	211.488	6.055
29.90	218.124	6.613
31.20	224.538	7.212
32.50	230.734	7.855
33.80	236.718	8.546
35.10	242.493	9.289
36.40	248.063	10.087
37.70	253.434	10.945

TF1 (R)	PF1 (PSIA)
228.00	337.826

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.30	12.205	0.123
2.60	24.089	0.255
3.90	35.656	0.397
5.20	46.913	0.551
6.50	57.865	0.716
7.80	68.517	0.893
9.10	78.875	1.084
10.40	88.942	1.288
11.70	98.725	1.508
13.00	108.228	1.744
14.30	117.457	1.997
15.60	126.415	2.269
16.90	135.109	2.561
18.20	143.542	2.874
19.50	151.719	3.210
20.80	159.645	3.570
22.10	167.325	3.957
23.40	174.763	4.372
24.70	181.964	4.817
26.00	188.931	5.295
27.30	195.671	5.809
28.60	202.187	6.360
29.90	208.483	6.953
31.20	214.564	7.589
32.50	220.435	8.274
33.80	226.099	9.010
35.10	231.562	9.802
36.40	236.827	10.655
37.70	241.899	11.573

B FACTORS FOR FLUORINE

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
226.00	319.183		224.00	301.293		222.00	284.137	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
1.30	11.713	0.127	1.20	10.380	0.122	1.20	9.949	0.127
2.60	23.113	0.265	2.40	20.501	0.253	2.40	19.645	0.263
3.90	34.205	0.413	3.60	30.365	0.393	3.60	29.092	0.410
5.20	44.995	0.572	4.80	39.977	0.544	4.80	38.293	0.567
6.50	55.488	0.744	6.00	49.342	0.705	6.00	47.254	0.736
7.80	65.688	0.929	7.20	58.463	0.878	7.20	55.977	0.917
9.10	75.602	1.128	8.40	67.344	1.063	8.40	64.466	1.112
10.40	85.234	1.342	9.60	75.988	1.262	9.60	72.726	1.320
11.70	94.588	1.572	10.80	84.401	1.474	10.80	80.760	1.543
13.00	103.671	1.820	12.00	92.585	1.701	12.00	88.572	1.781
14.30	112.486	2.085	13.20	100.545	1.944	13.20	96.165	2.037
15.60	121.039	2.371	14.40	108.283	2.204	14.40	103.544	2.311
16.90	129.333	2.677	15.60	115.805	2.482	15.60	110.711	2.604
18.20	137.375	3.007	16.80	123.112	2.780	16.80	117.671	2.918
19.50	145.168	3.361	18.00	130.210	3.098	18.00	124.426	3.255
20.80	152.717	3.741	19.20	137.101	3.438	19.20	130.982	3.615
22.10	160.026	4.149	20.40	143.790	3.801	20.40	137.340	4.000
23.40	167.101	4.588	21.60	150.279	4.191	21.60	143.505	4.413
24.70	173.945	5.059	22.80	156.573	4.607	22.80	149.480	4.855
26.00	180.564	5.566	24.00	162.674	5.052	24.00	155.269	5.328
27.30	186.961	6.111	25.20	168.587	5.529	25.20	160.875	5.835
28.60	193.141	6.697	26.40	174.314	6.039	26.40	166.302	6.379
29.90	199.108	7.328	27.60	179.860	6.585	27.60	171.552	6.961
31.20	204.867	8.006	28.80	185.227	7.169	28.80	176.630	7.586
32.50	210.423	8.737	30.00	190.420	7.795	30.00	181.539	8.255
33.80	215.778	9.523	31.20	195.441	8.466	31.20	186.282	8.974
35.10	220.939	10.370	32.40	200.294	9.185	32.40	190.862	9.745
36.40	225.908	11.284	33.60	204.982	9.956	33.60	195.283	10.572
37.70	230.691	12.269	34.80	209.509	10.783	34.80	199.549	11.461

220.00	267.696		218.00	251.951		216.00	236.883	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
1.20	9.529	0.132	1.10	8.370	0.127	1.10	8.005	0.133
2.40	18.812	0.275	2.20	16.538	0.262	2.20	15.814	0.275
3.60	27.853	0.428	3.30	24.507	0.407	3.30	23.429	0.427
4.80	36.654	0.593	4.40	32.280	0.562	4.40	30.853	0.590
6.00	45.221	0.770	5.50	39.861	0.728	5.50	38.090	0.765
7.20	53.557	0.960	6.60	47.251	0.905	6.60	45.142	0.951
8.40	61.666	1.164	7.70	54.454	1.095	7.70	52.012	1.150
9.60	69.552	1.383	8.80	61.472	1.297	8.80	58.702	1.364
10.80	77.217	1.618	9.90	68.309	1.512	9.90	65.216	1.591
12.00	84.667	1.869	11.00	74.968	1.743	11.00	71.557	1.835
13.20	91.904	2.139	12.10	81.450	1.988	12.10	77.726	2.095
14.40	98.933	2.428	13.20	87.759	2.251	13.20	83.728	2.372
15.60	105.756	2.738	14.30	93.898	2.530	14.30	89.564	2.669
16.80	112.378	3.071	15.40	99.869	2.829	15.40	95.237	2.985
18.00	118.801	3.427	16.50	105.675	3.147	16.50	100.750	3.324
19.20	125.030	3.809	17.60	111.319	3.486	17.60	106.106	3.685
20.40	131.069	4.218	18.70	116.804	3.849	18.70	111.307	4.070
21.60	136.919	4.656	19.80	122.131	4.235	19.80	116.357	4.482
22.80	142.586	5.127	20.90	127.305	4.647	20.90	121.257	4.922
24.00	148.072	5.631	22.00	132.327	5.087	22.00	126.010	5.392
25.20	153.380	6.172	23.10	137.200	5.557	23.10	130.619	5.895
26.40	158.515	6.753	24.20	141.927	6.058	24.20	135.087	6.431
27.60	163.480	7.376	25.30	146.510	6.593	25.30	139.416	7.005
28.80	168.278	8.045	26.40	150.952	7.165	26.40	143.608	7.618
30.00	172.912	8.763	27.50	155.256	7.775	27.50	147.667	8.274
31.20	177.386	9.534	28.60	159.424	8.427	28.60	151.595	8.976
32.40	181.703	10.363	29.70	163.459	9.124	29.70	155.394	9.726
33.60	185.867	11.254	30.80	167.363	9.869	30.80	159.067	10.530
34.80	189.880	12.212	31.90	171.139	10.666	31.90	162.617	11.390

B FACTORS FOR FLUORINE

TF1 (R)	PF1 (PSIA)
214.00	222.475

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.10	7.650	0.139
2.20	15.109	0.289
3.30	22.380	0.449
4.40	29.465	0.620
5.50	36.368	0.804
6.60	43.091	1.001
7.70	49.637	1.211
8.80	56.009	1.437
9.90	62.209	1.678
11.00	68.241	1.935
12.10	74.107	2.211
13.20	79.809	2.505
14.30	85.352	2.820
15.40	90.736	3.157
16.50	95.965	3.517
17.60	101.042	3.902
18.70	105.969	4.314
19.80	110.748	4.754
20.90	115.384	5.224
22.00	119.877	5.728
23.10	124.231	6.266
24.20	128.448	6.842
25.30	132.531	7.458
26.40	136.482	8.118
27.50	140.305	8.825
28.60	144.001	9.581
29.70	147.573	10.392
30.80	151.024	11.261
31.90	154.355	12.192

TF1 (R)	PF1 (PSIA)
212.00	208.708

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.00	6.649	0.133
2.00	13.143	0.274
3.00	19.486	0.425
4.00	25.679	0.586
5.00	31.725	0.757
6.00	37.625	0.940
7.00	43.382	1.134
8.00	48.997	1.341
9.00	54.474	1.561
10.00	59.813	1.796
11.00	65.018	2.045
12.00	70.089	2.310
13.00	75.029	2.592
14.00	79.840	2.893
15.00	84.524	3.212
16.00	89.084	3.552
17.00	93.520	3.913
18.00	97.835	4.297
19.00	102.031	4.706
20.00	106.110	5.141
21.00	110.074	5.604
22.00	113.924	6.096
23.00	117.663	6.620
24.00	121.293	7.179
25.00	124.816	7.773
26.00	128.233	8.405
27.00	131.547	9.079
28.00	134.759	9.798
29.00	137.871	10.563

TF1 (R)	PF1 (PSIA)
210.00	195.565

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.00	6.343	0.140
2.00	12.536	0.289
3.00	18.582	0.448
4.00	24.482	0.618
5.00	30.239	0.799
6.00	35.854	0.992
7.00	41.331	1.198
8.00	46.670	1.417
9.00	51.875	1.651
10.00	56.946	1.900
11.00	61.886	2.165
12.00	66.697	2.447
13.00	71.381	2.748
14.00	75.941	3.068
15.00	80.377	3.409
16.00	84.692	3.772
17.00	88.888	4.158
18.00	92.967	4.570
19.00	96.931	5.008
20.00	100.781	5.475
21.00	104.520	5.972
22.00	108.150	6.502
23.00	111.673	7.067
24.00	115.090	7.668
25.00	118.404	8.310
26.00	121.616	8.993
27.00	124.728	9.723
28.00	127.742	10.501
29.00	130.661	11.331

TF1 (R)	PF1 (PSIA)
208.00	183.029

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.00	6.046	0.147
2.00	11.946	0.305
3.00	17.703	0.473
4.00	23.318	0.653
5.00	28.795	0.844
6.00	34.134	1.049
7.00	39.339	1.268
8.00	44.410	1.500
9.00	49.350	1.749
10.00	54.161	2.014
11.00	58.845	2.296
12.00	63.405	2.597
13.00	67.841	2.918
14.00	72.156	3.260
15.00	76.352	3.625
16.00	80.431	4.014
17.00	84.395	4.428
18.00	88.245	4.870
19.00	91.984	5.341
20.00	95.614	5.843
21.00	99.137	6.378
22.00	102.554	6.950
23.00	105.868	7.559
24.00	109.080	8.209
25.00	112.192	8.903
26.00	115.206	9.644
27.00	118.125	10.435
28.00	120.949	11.280
29.00	123.681	12.182

TF1 (R)	PF1 (PSIA)
206.00	171.083

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.90	5.187	0.140
1.80	10.261	0.288
2.70	15.221	0.446
3.60	20.069	0.613
4.50	24.807	0.791
5.40	29.437	0.979
6.30	33.960	1.179
7.20	38.377	1.392
8.10	42.689	1.617
9.00	46.899	1.856
9.90	51.008	2.109
10.80	55.017	2.378
11.70	58.928	2.663
12.60	62.742	2.965
13.50	66.460	3.285
14.40	70.084	3.624
15.30	73.616	3.984
16.20	77.056	4.366
17.10	80.406	4.771
18.00	83.668	5.200
18.90	86.844	5.655
19.80	89.933	6.137
20.70	92.939	6.649
21.60	95.861	7.192
22.50	98.702	7.768
23.40	101.463	8.379
24.30	104.146	9.028
25.20	106.751	9.717
26.10	109.281	10.448

TF1 (R)	PF1 (PSIA)
204.00	159.711

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.90	4.936	0.148
1.80	9.759	0.305
2.70	14.473	0.472
3.60	19.079	0.649
4.50	23.578	0.838
5.40	27.972	1.039
6.30	32.262	1.252
7.20	36.449	1.478
8.10	40.536	1.718
9.00	44.523	1.973
9.90	48.412	2.244
10.80	52.204	2.531
11.70	55.901	2.836
12.60	59.505	3.159
13.50	63.016	3.503
14.40	66.436	3.867
15.30	69.767	4.254
16.20	73.010	4.665
17.10	76.166	5.101
18.00	79.236	5.563
18.90	82.223	6.054
19.80	85.128	6.575
20.70	87.951	7.129
21.60	90.694	7.717
22.50	93.360	8.342
23.40	95.948	9.005
24.30	98.460	9.710
25.20	100.899	10.459
26.10	103.264	11.256

B FACTORS FOR FLUORINE

TF1 (R)	PF1 (PSIA)
202.00	148.895

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.90	4.690	0.157
1.80	9.272	0.323
2.70	13.748	0.501
3.60	18.118	0.689
4.50	22.385	0.890
5.40	26.550	1.104
6.30	30.614	1.331
7.20	34.579	1.572
8.10	38.447	1.829
9.00	42.218	2.101
9.90	45.894	2.391
10.80	49.477	2.699
11.70	52.968	3.026
12.60	56.368	3.373
13.50	59.679	3.743
14.40	62.902	4.135
15.30	66.039	4.551
16.20	69.091	4.994
17.10	72.060	5.464
18.00	74.946	5.964
18.90	77.751	6.496
19.80	80.477	7.060
20.70	83.125	7.660
21.60	85.697	8.299
22.50	88.193	8.977
23.40	90.615	9.699
24.30	92.964	10.467
25.20	95.243	11.284
26.10	97.451	12.154

TF1 (R)	PF1 (PSIA)
200.00	138.619

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.90	4.452	0.166
1.80	8.799	0.343
2.70	13.043	0.532
3.60	17.186	0.733
4.50	21.228	0.947
5.40	25.171	1.175
6.30	29.017	1.417
7.20	32.767	1.675
8.10	36.422	1.950
9.00	39.985	2.242
9.90	43.455	2.553
10.80	46.835	2.883
11.70	50.127	3.235
12.60	53.331	3.609
13.50	56.449	4.006
14.40	59.482	4.429
15.30	62.432	4.879
16.20	65.300	5.358
17.10	68.088	5.867
18.00	70.796	6.408
18.90	73.427	6.984
19.80	75.982	7.597
20.70	78.461	8.250
21.60	80.867	8.944
22.50	83.201	9.684
23.40	85.463	10.471
24.30	87.656	11.310
25.20	89.781	12.203
26.10	91.839	13.156

TF1 (R)	PF1 (PSIA)
198.00	128.868

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.80	3.758	0.156
1.60	7.435	0.322
2.40	11.033	0.498
3.20	14.552	0.684
4.00	17.995	0.880
4.80	21.361	1.089
5.60	24.652	1.309
6.40	27.869	1.542
7.20	31.013	1.789
8.00	34.084	2.050
8.80	37.084	2.326
9.60	40.014	2.617
10.40	42.875	2.926
11.20	45.668	3.252
12.00	48.393	3.597
12.80	51.052	3.961
13.60	53.646	4.347
14.40	56.176	4.755
15.20	58.642	5.186
16.00	61.045	5.642
16.80	63.388	6.124
17.60	65.670	6.634
18.40	67.892	7.173
19.20	70.056	7.743
20.00	72.162	8.347
20.80	74.212	8.986
21.60	76.206	9.662
22.40	78.145	10.377
23.20	80.030	11.134

TF1 (R)	PF1 (PSIA)
196.00	119.624

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.80	3.558	0.167
1.60	7.039	0.343
2.40	10.443	0.531
3.20	13.772	0.729
4.00	17.026	0.940
4.80	20.206	1.163
5.60	23.313	1.399
6.40	26.349	1.649
7.20	29.314	1.913
8.00	32.209	2.194
8.80	35.036	2.490
9.60	37.795	2.804
10.40	40.487	3.137
11.20	43.113	3.489
12.00	45.675	3.861
12.80	48.173	4.255
13.60	50.607	4.673
14.40	52.980	5.114
15.20	55.292	5.582
16.00	57.544	6.077
16.80	59.737	6.601
17.60	61.872	7.155
18.40	63.950	7.743
19.20	65.972	8.365
20.00	67.938	9.024
20.80	69.850	9.722
21.60	71.709	10.461
22.40	73.515	11.245
23.20	75.270	12.075

TF1 (R)	PF1 (PSIA)
194.00	110.873

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.80	3.366	0.178
1.60	6.657	0.367
2.40	9.874	0.567
3.20	13.018	0.779
4.00	16.089	1.005
4.80	19.089	1.244
5.60	22.019	1.497
6.40	24.880	1.766
7.20	27.673	2.050
8.00	30.398	2.352
8.80	33.057	2.672
9.60	35.651	3.011
10.40	38.181	3.370
11.20	40.647	3.751
12.00	43.050	4.154
12.80	45.393	4.581
13.60	47.675	5.033
14.40	49.897	5.513
15.20	52.061	6.021
16.00	54.167	6.560
16.80	56.217	7.131
17.60	58.211	7.736
18.40	60.150	8.377
19.20	62.035	9.057
20.00	63.868	9.778
20.80	65.648	10.543
21.60	67.378	11.354
22.40	69.057	12.214
23.20	70.687	13.128

TF1 (R)	PF1 (PSIA)
192.00	102.598

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.70	2.786	0.166
1.40	5.517	0.340
2.10	8.193	0.524
2.80	10.814	0.719
3.50	13.382	0.923
4.20	15.897	1.139
4.90	18.359	1.366
5.60	20.769	1.605
6.30	23.128	1.858
7.00	25.437	2.123
7.70	27.696	2.403
8.40	29.906	2.697
9.10	32.067	3.008
9.80	34.180	3.334
10.50	36.247	3.678
11.20	38.266	4.040
11.90	40.240	4.422
12.60	42.168	4.823
13.30	44.052	5.246
14.00	45.892	5.691
14.70	47.689	6.160
15.40	49.442	6.653
16.10	51.154	7.173
16.80	52.824	7.721
17.50	54.454	8.297
18.20	56.043	8.905
18.90	57.592	9.545
19.60	59.103	10.219
20.30	60.575	10.930

B FACTORS FOR FLUORINE

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
190.00	94.784		189.00	91.045		188.00	87.415	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.70	2.629	0.177	0.70	2.553	0.184	0.70	2.477	0.190
1.40	5.205	0.364	1.40	5.052	0.377	1.40	4.903	0.391
2.10	7.727	0.562	2.10	7.500	0.582	2.10	7.276	0.603
2.80	10.196	0.770	2.80	9.895	0.798	2.80	9.599	0.828
3.50	12.614	0.990	3.50	12.240	1.027	3.50	11.872	1.064
4.20	14.980	1.222	4.20	14.534	1.267	4.20	14.096	1.315
4.90	17.296	1.467	4.90	16.779	1.521	4.90	16.271	1.579
5.60	19.562	1.725	5.60	18.975	1.789	5.60	18.398	1.857
6.30	21.779	1.997	6.30	21.123	2.072	6.30	20.478	2.151
7.00	23.947	2.284	7.00	23.222	2.371	7.00	22.511	2.462
7.70	26.067	2.586	7.70	25.275	2.685	7.70	24.498	2.789
8.40	28.140	2.905	8.40	27.282	3.017	8.40	26.439	3.135
9.10	30.167	3.241	9.10	29.243	3.367	9.10	28.336	3.500
9.80	32.147	3.595	9.80	31.158	3.736	9.80	30.188	3.884
10.50	34.082	3.968	10.50	33.029	4.125	10.50	31.997	4.290
11.20	35.972	4.362	11.20	34.857	4.535	11.20	33.763	4.719
11.90	37.818	4.776	11.90	36.641	4.968	11.90	35.486	5.171
12.60	39.621	5.213	12.60	38.383	5.424	12.60	37.168	5.647
13.30	41.380	5.674	13.30	40.082	5.906	13.30	38.809	6.150
14.00	43.098	6.159	14.00	41.741	6.413	14.00	40.410	6.681
14.70	44.774	6.671	14.70	43.359	6.948	14.70	41.970	7.241
15.40	46.409	7.210	15.40	44.936	7.513	15.40	43.492	7.833
16.10	48.004	7.779	16.10	46.475	8.108	16.10	44.975	8.456
16.80	49.559	8.379	16.80	47.974	8.736	16.80	46.420	9.115
17.50	51.075	9.011	17.50	49.436	9.399	17.50	47.828	9.810
18.20	52.553	9.678	18.20	50.859	10.098	18.20	49.199	10.544
18.90	53.993	10.381	18.90	52.246	10.836	18.90	50.534	11.319
19.60	55.395	11.123	19.60	53.597	11.615	19.60	51.834	12.137
20.30	56.761	11.905	20.30	54.911	12.437	20.30	53.099	13.001

187.00	83.892		186.00	80.475		185.00	77.161	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.70	2.403	0.197	0.70	2.331	0.204	0.60	1.939	0.181
1.40	4.755	0.405	1.40	4.611	0.420	1.20	3.842	0.371
2.10	7.057	0.626	2.10	6.842	0.649	1.80	5.710	0.570
2.80	9.309	0.858	2.80	9.024	0.891	2.40	7.541	0.780
3.50	11.511	1.104	3.50	11.157	1.146	3.00	9.338	0.999
4.20	13.666	1.364	4.20	13.244	1.416	3.60	11.101	1.230
4.90	15.772	1.639	4.90	15.283	1.702	4.20	12.829	1.471
5.60	17.832	1.928	5.60	17.277	2.004	4.80	14.524	1.725
6.30	19.845	2.235	6.30	19.224	2.322	5.40	16.185	1.991
7.00	21.812	2.558	7.00	21.127	2.659	6.00	17.813	2.270
7.70	23.734	2.899	7.70	22.986	3.015	6.60	19.409	2.563
8.40	25.612	3.259	8.40	24.801	3.390	7.20	20.973	2.869
9.10	27.445	3.640	9.10	26.573	3.787	7.80	22.505	3.191
9.80	29.236	4.041	9.80	28.303	4.206	8.40	24.005	3.529
10.50	30.983	4.465	10.50	29.990	4.649	9.00	25.475	3.882
11.20	32.689	4.912	11.20	31.637	5.116	9.60	26.914	4.253
11.90	34.353	5.384	11.90	33.243	5.610	10.20	28.323	4.642
12.60	35.977	5.883	12.60	34.810	6.132	10.80	29.702	5.050
13.30	37.560	6.409	13.30	36.337	6.683	11.40	31.052	5.477
14.00	39.104	6.965	14.00	37.826	7.265	12.00	32.373	5.925
14.70	40.609	7.552	14.70	39.276	7.880	12.60	33.666	6.395
15.40	42.076	8.171	15.40	40.689	8.529	13.20	34.930	6.888
16.10	43.505	8.825	16.10	42.066	9.215	13.80	36.166	7.405
16.80	44.897	9.516	16.80	43.406	9.940	14.40	37.375	7.946
17.50	46.253	10.245	17.50	44.710	10.707	15.00	38.557	8.514
18.20	47.573	11.016	18.20	45.980	11.517	15.60	39.713	9.110
18.90	48.857	11.830	18.90	47.215	12.373	16.20	40.842	9.735
19.60	50.107	12.690	19.60	48.417	13.278	16.80	41.945	10.391
20.30	51.323	13.599	20.30	49.585	14.235	17.40	43.023	11.078

B FACTORS FOR FLUORINE

TF1 (R)	PF1 (PSIA)	
184.00	73.949	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.60	1.879	0.188
1.20	3.723	0.385
1.80	5.531	0.592
2.40	7.305	0.810
3.00	9.045	1.038
3.60	10.751	1.278
4.20	12.423	1.529
4.80	14.062	1.793
5.40	15.669	2.071
6.00	17.243	2.361
6.60	18.786	2.666
7.20	20.297	2.986
7.80	21.777	3.322
8.40	23.226	3.675
9.00	24.645	4.044
9.60	26.034	4.432
10.20	27.394	4.838
10.80	28.724	5.265
11.40	30.026	5.712
12.00	31.300	6.181
12.60	32.545	6.674
13.20	33.763	7.190
13.80	34.954	7.732
14.40	36.118	8.300
15.00	37.256	8.897
15.60	38.368	9.523
16.20	39.454	10.179
16.80	40.515	10.868
17.40	41.551	11.592

TF1 (R)	PF1 (PSIA)	
183.00	70.837	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.60	1.820	0.195
1.20	3.606	0.400
1.80	5.357	0.615
2.40	7.074	0.841
3.00	8.757	1.079
3.60	10.407	1.328
4.20	12.025	1.590
4.80	13.610	1.866
5.40	15.163	2.154
6.00	16.684	2.458
6.60	18.175	2.776
7.20	19.634	3.110
7.80	21.063	3.461
8.40	22.462	3.829
9.00	23.832	4.215
9.60	25.172	4.620
10.20	26.483	5.046
10.80	27.766	5.492
11.40	29.021	5.961
12.00	30.248	6.453
12.60	31.448	6.969
13.20	32.621	7.510
13.80	33.768	8.079
14.40	34.888	8.676
15.00	35.983	9.302
15.60	37.052	9.960
16.20	38.096	10.651
16.80	39.116	11.376
17.40	40.112	12.137

TF1 (R)	PF1 (PSIA)	
182.00	67.823	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.60	1.763	0.203
1.20	3.491	0.415
1.80	5.186	0.639
2.40	6.847	0.875
3.00	8.475	1.122
3.60	10.071	1.382
4.20	11.635	1.655
4.80	13.167	1.942
5.40	14.667	2.243
6.00	16.137	2.559
6.60	17.576	2.891
7.20	18.985	3.240
7.80	20.364	3.607
8.40	21.714	3.992
9.00	23.035	4.396
9.60	24.328	4.820
10.20	25.592	5.265
10.80	26.828	5.733
11.40	28.037	6.224
12.00	29.219	6.740
12.60	30.375	7.281
13.20	31.504	7.850
13.80	32.607	8.447
14.40	33.685	9.074
15.00	34.737	9.733
15.60	35.765	10.425
16.20	36.768	11.151
16.80	37.748	11.915
17.40	38.704	12.717

181.00	64.904	
0.00	0.000	0.000
0.60	1.706	0.210
1.20	3.378	0.432
1.80	5.017	0.665
2.40	6.624	0.910
3.00	8.198	1.167
3.60	9.741	1.438
4.20	11.252	1.723
4.80	12.732	2.022
5.40	14.181	2.336
6.00	15.600	2.666
6.60	16.989	3.014
7.20	18.349	3.378
7.80	19.679	3.761
8.40	20.981	4.164
9.00	22.255	4.587
9.60	23.500	5.031
10.20	24.718	5.498
10.80	25.909	5.988
11.40	27.073	6.503
12.00	28.211	7.044
12.60	29.323	7.613
13.20	30.409	8.210
13.80	31.470	8.837
14.40	32.506	9.497
15.00	33.518	10.190
15.60	34.505	10.918
16.20	35.469	11.683
16.80	36.409	12.488
17.40	37.326	13.333

180.00	62.080	
0.00	0.000	0.000
0.60	1.650	0.219
1.20	3.268	0.449
1.80	4.853	0.692
2.40	6.406	0.947
3.00	7.927	1.215
3.60	9.418	1.497
4.20	10.877	1.794
4.80	12.306	2.106
5.40	13.705	2.435
6.00	15.075	2.780
6.60	16.415	3.143
7.20	17.726	3.524
7.80	19.009	3.925
8.40	20.264	4.346
9.00	21.491	4.789
9.60	22.691	5.255
10.20	23.864	5.744
10.80	25.011	6.258
11.40	26.131	6.799
12.00	27.226	7.367
12.60	28.295	7.964
13.20	29.339	8.592
13.80	30.359	9.252
14.40	31.355	9.946
15.00	32.326	10.675
15.60	33.274	11.442
16.20	34.199	12.249
16.80	35.101	13.097
17.40	35.981	13.989

179.00	59.348	
0.00	0.000	0.000
0.50	1.332	0.189
1.00	2.642	0.386
1.50	3.930	0.592
2.00	5.195	0.807
2.50	6.439	1.032
3.00	7.662	1.266
3.50	8.863	1.510
4.00	10.044	1.765
4.50	11.204	2.031
5.00	12.343	2.308
5.50	13.462	2.598
6.00	14.560	2.900
6.50	15.639	3.214
7.00	16.699	3.543
7.50	17.739	3.885
8.00	18.759	4.242
8.50	19.761	4.615
9.00	20.744	5.003
9.50	21.709	5.408
10.00	22.655	5.831
10.50	23.583	6.271
11.00	24.494	6.731
11.50	25.387	7.210
12.00	26.262	7.709
12.50	27.120	8.231
13.00	27.962	8.774
13.50	28.786	9.341
14.00	29.594	9.932
14.50	30.386	10.549

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B FACTORS FOR FLUORINE

TF1 (R)	PF1 (PSIA)
178.00	56.706

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.50	1.288	0.197
1.00	2.553	0.402
1.50	3.797	0.617
2.00	5.020	0.841
2.50	6.221	1.075
3.00	7.402	1.319
3.50	8.562	1.574
4.00	9.701	1.840
4.50	10.820	2.118
5.00	11.918	2.408
5.50	12.997	2.711
6.00	14.057	3.026
6.50	15.097	3.356
7.00	16.117	3.700
7.50	17.119	4.058
8.00	18.102	4.433
8.50	19.067	4.823
9.00	20.013	5.230
9.50	20.941	5.655
10.00	21.852	6.099
10.50	22.745	6.562
11.00	23.620	7.044
11.50	24.478	7.548
12.00	25.320	8.073
12.50	26.144	8.621
13.00	26.952	9.193
13.50	27.744	9.790
14.00	28.519	10.413
14.50	29.279	11.063

TF1 (R)	PF1 (PSIA)
177.00	54.153

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.50	1.244	0.205
1.00	2.467	0.419
1.50	3.668	0.643
2.00	4.849	0.876
2.50	6.009	1.120
3.00	7.148	1.375
3.50	8.267	1.642
4.00	9.365	1.920
4.50	10.444	2.210
5.00	11.504	2.513
5.50	12.544	2.830
6.00	13.564	3.161
6.50	14.566	3.506
7.00	15.549	3.866
7.50	16.514	4.242
8.00	17.460	4.634
8.50	18.388	5.044
9.00	19.299	5.471
9.50	20.192	5.918
10.00	21.067	6.383
10.50	21.925	6.870
11.00	22.767	7.377
11.50	23.591	7.907
12.00	24.399	8.460
12.50	25.191	9.037
13.00	25.966	9.640
13.50	26.726	10.269
14.00	27.470	10.925
14.50	28.198	11.611

TF1 (R)	PF1 (PSIA)
176.00	51.686

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.50	1.201	0.213
1.00	2.382	0.437
1.50	3.542	0.670
2.00	4.681	0.914
2.50	5.800	1.169
3.00	6.898	1.435
3.50	7.977	1.713
4.00	9.037	2.004
4.50	10.077	2.308
5.00	11.097	2.625
5.50	12.099	2.957
6.00	13.082	3.303
6.50	14.047	3.664
7.00	14.993	4.042
7.50	15.921	4.436
8.00	16.832	4.848
8.50	17.725	5.278
9.00	18.600	5.727
9.50	19.458	6.196
10.00	20.300	6.686
10.50	21.124	7.197
11.00	21.932	7.731
11.50	22.724	8.289
12.00	23.499	8.871
12.50	24.259	9.479
13.00	25.003	10.114
13.50	25.731	10.778
14.00	26.444	11.471
14.50	27.143	12.194

175.00	49.304

0.00	0.000	0.000
0.50	1.160	0.223
1.00	2.299	0.455
1.50	3.418	0.699
2.00	4.516	0.954
2.50	5.595	1.220
3.00	6.655	1.498
3.50	7.695	1.789
4.00	8.715	2.093
4.50	9.717	2.411
5.00	10.700	2.743
5.50	11.665	3.091
6.00	12.611	3.453
6.50	13.539	3.832
7.00	14.450	4.229
7.50	15.343	4.642
8.00	16.218	5.075
8.50	17.076	5.527
9.00	17.918	5.999
9.50	18.742	6.492
10.00	19.550	7.007
10.50	20.342	7.545
11.00	21.117	8.107
11.50	21.877	8.695
12.00	22.621	9.309
12.50	23.349	9.950
13.00	24.062	10.620
13.50	24.761	11.320
14.00	25.444	12.052
14.50	26.113	12.817

174.00	47.005

0.00	0.000	0.000
0.50	1.119	0.232
1.00	2.217	0.475
1.50	3.296	0.729
2.00	4.356	0.996
2.50	5.396	1.274
3.00	6.416	1.565
3.50	7.418	1.869
4.00	8.401	2.188
4.50	9.366	2.521
5.00	10.312	2.869
5.50	11.240	3.233
6.00	12.151	3.613
6.50	13.044	4.011
7.00	13.919	4.427
7.50	14.777	4.861
8.00	15.619	5.316
8.50	16.443	5.791
9.00	17.251	6.287
9.50	18.043	6.806
10.00	18.818	7.348
10.50	19.578	7.915
11.00	20.322	8.508
11.50	21.050	9.127
12.00	21.763	9.775
12.50	22.462	10.452
13.00	23.145	11.159
13.50	23.814	11.899
14.00	24.468	12.672
14.50	25.108	13.481

173.00	44.788

0.00	0.000	0.000
0.50	1.079	0.242
1.00	2.139	0.496
1.50	3.179	0.762
2.00	4.199	1.040
2.50	5.201	1.331
3.00	6.184	1.636
3.50	7.149	1.954
4.00	8.095	2.288
4.50	9.023	2.637
5.00	9.934	3.002
5.50	10.827	3.384
6.00	11.702	3.783
6.50	12.560	4.201
7.00	13.402	4.637
7.50	14.226	5.094
8.00	15.034	5.572
8.50	15.826	6.072
9.00	16.601	6.594
9.50	17.361	7.140
10.00	18.105	7.712
10.50	18.833	8.309
11.00	19.546	8.934
11.50	20.245	9.588
12.00	20.928	10.271
12.50	21.597	10.986
13.00	22.251	11.734
13.50	22.891	12.516
14.00	23.517	13.334
14.50	24.129	14.190

B FACTORS FOR FLUORINE

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
172.00	42.649		171.00	40.589		170.00	38.604	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.40	0.833	0.202	0.40	0.803	0.211	0.40	0.773	0.220
0.80	1.654	0.411	0.80	1.594	0.429	0.80	1.535	0.449
1.20	2.463	0.628	1.20	2.373	0.656	1.20	2.285	0.687
1.60	3.260	0.853	1.60	3.141	0.892	1.60	3.023	0.934
2.00	4.045	1.087	2.00	3.896	1.137	2.00	3.750	1.190
2.40	4.818	1.330	2.40	4.640	1.391	2.40	4.466	1.456
2.80	5.580	1.581	2.80	5.373	1.655	2.80	5.170	1.732
3.20	6.330	1.842	3.20	6.094	1.928	3.20	5.863	2.019
3.60	7.068	2.113	3.60	6.804	2.212	3.60	6.546	2.317
4.00	7.795	2.394	4.00	7.503	2.507	4.00	7.218	2.627
4.40	8.511	2.685	4.40	8.191	2.813	4.40	7.879	2.948
4.80	9.215	2.988	4.80	8.868	3.130	4.80	8.529	3.281
5.20	9.908	3.301	5.20	9.534	3.459	5.20	9.169	3.627
5.60	10.591	3.626	5.60	10.190	3.800	5.60	9.798	3.986
6.00	11.263	3.963	6.00	10.835	4.155	6.00	10.417	4.358
6.40	11.924	4.313	6.40	11.470	4.522	6.40	11.026	4.745
6.80	12.574	4.675	6.80	12.094	4.903	6.80	11.625	5.146
7.20	13.214	5.051	7.20	12.708	5.299	7.20	12.214	5.563
7.60	13.843	5.440	7.60	13.312	5.709	7.60	12.793	5.995
8.00	14.462	5.844	8.00	13.906	6.134	8.00	13.362	6.443
8.40	15.071	6.263	8.40	14.490	6.576	8.40	13.922	6.909
8.80	15.670	6.698	8.80	15.064	7.033	8.80	14.472	7.391
9.20	16.259	7.148	9.20	15.629	7.508	9.20	15.013	7.893
9.60	16.838	7.615	9.60	16.183	8.001	9.60	15.545	8.413
10.00	17.407	8.099	10.00	16.729	8.512	10.00	16.067	8.952
10.40	17.967	8.601	10.40	17.265	9.042	10.40	16.580	9.512
10.80	18.517	9.122	10.80	17.792	9.592	10.80	17.084	10.093
11.20	19.058	9.661	11.20	18.310	10.162	11.20	17.579	10.697
11.60	19.590	10.221	11.60	18.818	10.754	11.60	18.066	11.322

169.00	36.693		168.00	34.854		167.00	33.086	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.40	0.744	0.230	0.40	0.716	0.241	0.40	0.688	0.253
0.80	1.477	0.470	0.80	1.420	0.492	0.80	1.365	0.516
1.20	2.198	0.719	1.20	2.113	0.753	1.20	2.031	0.789
1.60	2.908	0.977	1.60	2.796	1.024	1.60	2.687	1.074
2.00	3.607	1.246	2.00	3.468	1.306	2.00	3.332	1.369
2.40	4.295	1.525	2.40	4.129	1.599	2.40	3.967	1.677
2.80	4.972	1.815	2.80	4.779	1.903	2.80	4.591	1.996
3.20	5.638	2.116	3.20	5.419	2.219	3.20	5.205	2.329
3.60	6.294	2.429	3.60	6.048	2.548	3.60	5.809	2.674
4.00	6.939	2.754	4.00	6.667	2.889	4.00	6.403	3.033
4.40	7.574	3.091	4.40	7.276	3.244	4.40	6.987	3.407
4.80	8.198	3.441	4.80	7.875	3.612	4.80	7.561	3.795
5.20	8.812	3.805	5.20	8.464	3.995	5.20	8.126	4.198
5.60	9.416	4.183	5.60	9.043	4.393	5.60	8.680	4.617
6.00	10.010	4.575	6.00	9.612	4.806	6.00	9.226	5.052
6.40	10.594	4.982	6.40	10.172	5.235	6.40	9.762	5.505
6.80	11.168	5.405	6.80	10.722	5.681	6.80	10.289	5.975
7.20	11.733	5.844	7.20	11.263	6.144	7.20	10.807	6.464
7.60	12.287	6.299	7.60	11.795	6.624	7.60	11.315	6.971
8.00	12.833	6.772	8.00	12.317	7.124	8.00	11.815	7.499
8.40	13.369	7.264	8.40	12.830	7.642	8.40	12.306	8.047
8.80	13.896	7.773	8.80	13.334	8.181	8.80	12.788	8.617
9.20	14.414	8.303	9.20	13.829	8.740	9.20	13.261	9.208
9.60	14.922	8.852	9.60	14.316	9.321	9.60	13.726	9.823
10.00	15.422	9.423	10.00	14.793	9.925	10.00	14.182	10.462
10.40	15.913	10.015	10.40	15.263	10.552	10.40	14.631	11.126
10.80	16.395	10.630	10.80	15.723	11.203	10.80	15.071	11.816
11.20	16.868	11.268	11.20	16.176	11.879	11.20	15.502	12.533
11.60	17.333	11.931	11.60	16.620	12.581	11.60	15.926	13.278

B FACTORS FOR FLUORINE

TF1 (R)	PF1 (PSIA)	
166.00	31.386	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.40	0.661	0.265
0.80	1.311	0.541
1.20	1.951	0.828
1.60	2.580	1.126
2.00	3.199	1.437
2.40	3.808	1.760
2.80	4.407	2.096
3.20	4.996	2.445
3.60	5.575	2.809
4.00	6.144	3.187
4.40	6.704	3.580
4.80	7.254	3.989
5.20	7.795	4.414
5.60	8.327	4.856
6.00	8.849	5.315
6.40	9.362	5.793
6.80	9.866	6.289
7.20	10.361	6.805
7.60	10.848	7.342
8.00	11.325	7.900
8.40	11.795	8.480
8.80	12.255	9.082
9.20	12.708	9.709
9.60	13.152	10.360
10.00	13.587	11.037
10.40	14.015	11.741
10.80	14.435	12.473
11.20	14.847	13.234
11.60	15.251	14.025

TF1 (R)	PF1 (PSIA)	
165.00	29.754	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.40	0.635	0.278
0.80	1.259	0.567
1.20	1.873	0.869
1.60	2.477	1.182
2.00	3.071	1.509
2.40	3.655	1.848
2.80	4.229	2.202
3.20	4.794	2.570
3.60	5.348	2.952
4.00	5.894	3.351
4.40	6.430	3.765
4.80	6.957	4.196
5.20	7.475	4.644
5.60	7.983	5.111
6.00	8.483	5.596
6.40	8.974	6.100
6.80	9.456	6.625
7.20	9.929	7.171
7.60	10.394	7.738
8.00	10.850	8.328
8.40	11.299	8.942
8.80	11.739	9.581
9.20	12.170	10.245
9.60	12.594	10.935
10.00	13.010	11.654
10.40	13.418	12.401
10.80	13.818	13.178
11.20	14.211	13.986
11.60	14.596	14.826

TF1 (R)	PF1 (PSIA)	
164.00	28.187	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.40	0.609	0.292
0.80	1.208	0.596
1.20	1.797	0.912
1.60	2.376	1.242
2.00	2.945	1.585
2.40	3.505	1.943
2.80	4.055	2.315
3.20	4.596	2.702
3.60	5.128	3.106
4.00	5.650	3.525
4.40	6.163	3.962
4.80	6.667	4.417
5.20	7.162	4.890
5.60	7.649	5.383
6.00	8.126	5.895
6.40	8.596	6.429
6.80	9.056	6.984
7.20	9.509	7.561
7.60	9.953	8.162
8.00	10.388	8.787
8.40	10.816	9.438
8.80	11.236	10.115
9.20	11.648	10.819
9.60	12.052	11.552
10.00	12.448	12.314
10.40	12.837	13.108
10.80	13.219	13.933
11.20	13.592	14.792
11.60	13.959	15.686

163.00	26.683	
0.00	0.000	0.000
0.40	0.584	0.306
0.80	1.158	0.626
1.20	1.723	0.959
1.60	2.277	1.305
2.00	2.823	1.667
2.40	3.359	2.043
2.80	3.886	2.435
3.20	4.404	2.844
3.60	4.912	3.269
4.00	5.412	3.712
4.40	5.903	4.173
4.80	6.385	4.653
5.20	6.858	5.153
5.60	7.323	5.674
6.00	7.779	6.216
6.40	8.228	6.781
6.80	8.668	7.368
7.20	9.099	7.980
7.60	9.523	8.616
8.00	9.939	9.279
8.40	10.347	9.969
8.80	10.747	10.687
9.20	11.140	11.435
9.60	11.525	12.213
10.00	11.902	13.024
10.40	12.273	13.867
10.80	12.636	14.745
11.20	12.992	15.659
11.60	13.341	16.611

162.00	25.242	
0.00	0.000	0.000
0.30	0.421	0.240
0.60	0.836	0.488
0.90	1.246	0.744
1.20	1.651	1.008
1.50	2.051	1.281
1.80	2.445	1.562
2.10	2.834	1.852
2.40	3.218	2.151
2.70	3.597	2.459
3.00	3.971	2.777
3.30	4.340	3.105
3.60	4.704	3.444
3.90	5.063	3.793
4.20	5.417	4.152
4.50	5.767	4.524
4.80	6.111	4.906
5.10	6.451	5.301
5.40	6.787	5.708
5.70	7.117	6.127
6.00	7.443	6.560
6.30	7.765	7.005
6.60	8.082	7.465
6.90	8.395	7.939
7.20	8.703	8.428
7.50	9.007	8.932
7.80	9.306	9.451
8.10	9.601	9.987
8.40	9.892	10.539
8.70	10.179	11.108

161.00	23.860	
0.00	0.000	0.000
0.30	0.403	0.253
0.60	0.801	0.514
0.90	1.193	0.783
1.20	1.581	1.061
1.50	1.963	1.348
1.80	2.340	1.644
2.10	2.712	1.950
2.40	3.080	2.265
2.70	3.442	2.591
3.00	3.799	2.926
3.30	4.152	3.273
3.60	4.500	3.630
3.90	4.843	3.999
4.20	5.182	4.379
4.50	5.515	4.772
4.80	5.845	5.177
5.10	6.169	5.594
5.40	6.489	6.025
5.70	6.805	6.469
6.00	7.116	6.927
6.30	7.423	7.400
6.60	7.725	7.887
6.90	8.023	8.390
7.20	8.317	8.909
7.50	8.606	9.444
7.80	8.892	9.995
8.10	9.173	10.564
8.40	9.450	11.151
8.70	9.723	11.756

B FACTORS FOR FLUORINE

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
160.00	22.537		159.00	21.271		158.00	20.061	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.30	0.386	0.266	0.30	0.369	0.280	0.30	0.353	0.295
0.60	0.766	0.541	0.60	0.733	0.570	0.60	0.701	0.601
0.90	1.142	0.825	0.90	1.092	0.869	0.90	1.044	0.917
1.20	1.512	1.118	1.20	1.446	1.178	1.20	1.383	1.243
1.50	1.878	1.420	1.50	1.796	1.497	1.50	1.716	1.580
1.80	2.239	1.733	1.80	2.140	1.827	1.80	2.046	1.928
2.10	2.595	2.055	2.10	2.480	2.167	2.10	2.370	2.288
2.40	2.946	2.388	2.40	2.816	2.519	2.40	2.690	2.660
2.70	3.292	2.732	2.70	3.146	2.882	2.70	3.006	3.044
3.00	3.633	3.086	3.00	3.472	3.257	3.00	3.317	3.441
3.30	3.970	3.452	3.30	3.794	3.644	3.30	3.624	3.850
3.60	4.303	3.830	3.60	4.111	4.044	3.60	3.926	4.274
3.90	4.630	4.220	3.90	4.424	4.457	3.90	4.224	4.711
4.20	4.953	4.623	4.20	4.732	4.883	4.20	4.518	5.163
4.50	5.272	5.038	4.50	5.036	5.323	4.50	4.807	5.629
4.80	5.586	5.466	4.80	5.335	5.777	4.80	5.093	6.111
5.10	5.896	5.909	5.10	5.630	6.246	5.10	5.374	6.608
5.40	6.201	6.365	5.40	5.921	6.730	5.40	5.651	7.122
5.70	6.502	6.836	5.70	6.208	7.230	5.70	5.924	7.653
6.00	6.798	7.322	6.00	6.490	7.745	6.00	6.193	8.200
6.30	7.091	7.823	6.30	6.769	8.278	6.30	6.458	8.766
6.60	7.379	8.341	6.60	7.043	8.827	6.60	6.719	9.350
6.90	7.663	8.874	6.90	7.313	9.394	6.90	6.976	9.953
7.20	7.942	9.425	7.20	7.580	9.980	7.20	7.229	10.576
7.50	8.218	9.993	7.50	7.842	10.584	7.50	7.478	11.219
7.80	8.490	10.579	7.80	8.100	11.208	7.80	7.724	11.884
8.10	8.757	11.184	8.10	8.355	11.851	8.10	7.966	12.569
8.40	9.021	11.808	8.40	8.606	12.516	8.40	8.204	13.277
8.70	9.281	12.452	8.70	8.852	13.201	8.70	8.438	14.008

157.00	18.904		156.00	17.799		155.00	16.744	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.30	0.337	0.312	0.30	0.322	0.329	0.30	0.307	0.348
0.60	0.670	0.634	0.60	0.639	0.670	0.60	0.609	0.708
0.90	0.997	0.967	0.90	0.952	1.022	0.90	0.907	1.080
1.20	1.320	1.312	1.20	1.260	1.386	1.20	1.201	1.466
1.50	1.639	1.668	1.50	1.564	1.763	1.50	1.490	1.864
1.80	1.953	2.036	1.80	1.863	2.152	1.80	1.776	2.277
2.10	2.263	2.417	2.10	2.158	2.555	2.10	2.057	2.704
2.40	2.568	2.810	2.40	2.449	2.972	2.40	2.334	3.146
2.70	2.869	3.217	2.70	2.736	3.403	2.70	2.607	3.602
3.00	3.165	3.637	3.00	3.018	3.848	3.00	2.876	4.075
3.30	3.458	4.071	3.30	3.297	4.309	3.30	3.141	4.563
3.60	3.746	4.520	3.60	3.571	4.784	3.60	3.402	5.069
3.90	4.030	4.984	3.90	3.841	5.277	3.90	3.659	5.592
4.20	4.309	5.463	4.20	4.108	5.785	4.20	3.912	6.132
4.50	4.585	5.958	4.50	4.370	6.311	4.50	4.161	6.691
4.80	4.857	6.469	4.80	4.628	6.854	4.80	4.407	7.269
5.10	5.124	6.997	5.10	4.883	7.416	5.10	4.649	7.867
5.40	5.388	7.543	5.40	5.134	7.996	5.40	4.887	8.484
5.70	5.648	8.107	5.70	5.380	8.596	5.70	5.121	9.123
6.00	5.903	8.690	6.00	5.623	9.216	6.00	5.352	9.784
6.30	6.155	9.291	6.30	5.863	9.857	6.30	5.579	10.467
6.60	6.404	9.913	6.60	6.098	10.519	6.60	5.803	11.173
6.90	6.648	10.555	6.90	6.330	11.204	6.90	6.023	11.903
7.20	6.888	11.219	7.20	6.559	11.911	7.20	6.240	12.658
7.50	7.125	11.904	7.50	6.784	12.642	7.50	6.453	13.438
7.80	7.359	12.612	7.80	7.005	13.397	7.80	6.663	14.245
8.10	7.588	13.343	8.10	7.223	14.178	8.10	6.869	15.079
8.40	7.814	14.098	8.40	7.437	14.984	8.40	7.072	15.941
8.70	8.037	14.878	8.70	7.648	15.818	8.70	7.272	16.833

B FACTORS FOR FLUORINE

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
154.00	15.739		153.00	14.781		152.00	13.868	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.30	0.293	0.368	0.20	0.186	0.258	0.20	0.177	0.273
0.60	0.581	0.749	0.40	0.371	0.522	0.40	0.352	0.553
0.90	0.865	1.143	0.60	0.553	0.793	0.60	0.526	0.840
1.20	1.144	1.551	0.80	0.734	1.069	0.80	0.697	1.133
1.50	1.420	1.974	1.00	0.913	1.353	1.00	0.867	1.434
1.80	1.692	2.411	1.20	1.090	1.643	1.20	1.036	1.742
2.10	1.959	2.864	1.40	1.265	1.940	1.40	1.203	2.057
2.40	2.223	3.332	1.60	1.439	2.244	1.60	1.368	2.380
2.70	2.483	3.817	1.80	1.610	2.555	1.80	1.531	2.710
3.00	2.738	4.319	2.00	1.780	2.873	2.00	1.692	3.048
3.30	2.990	4.838	2.20	1.949	3.199	2.20	1.852	3.395
3.60	3.239	5.375	2.40	2.116	3.533	2.40	2.011	3.749
3.90	3.483	5.931	2.60	2.281	3.874	2.60	2.167	4.112
4.20	3.723	6.506	2.80	2.444	4.224	2.80	2.323	4.484
4.50	3.960	7.100	3.00	2.605	4.581	3.00	2.476	4.864
4.80	4.194	7.716	3.20	2.765	4.947	3.20	2.628	5.253
5.10	4.423	8.352	3.40	2.924	5.321	3.40	2.778	5.652
5.40	4.649	9.011	3.60	3.080	5.705	3.60	2.927	6.060
5.70	4.872	9.692	3.80	3.236	6.097	3.80	3.074	6.478
6.00	5.091	10.396	4.00	3.389	6.498	4.00	3.220	6.905
6.30	5.306	11.125	4.20	3.541	6.908	4.20	3.364	7.342
6.60	5.518	11.879	4.40	3.691	7.328	4.40	3.506	7.790
6.90	5.727	12.658	4.60	3.840	7.758	4.60	3.647	8.249
7.20	5.932	13.465	4.80	3.987	8.197	4.80	3.787	8.718
7.50	6.134	14.298	5.00	4.133	8.647	5.00	3.925	9.198
7.80	6.333	15.161	5.20	4.277	9.107	5.20	4.061	9.689
8.10	6.528	16.053	5.40	4.419	9.578	5.40	4.196	10.192
8.40	6.721	16.976	5.60	4.560	10.060	5.60	4.330	10.706
8.70	6.910	17.930	5.80	4.700	10.553	5.80	4.462	11.233

151.00	13.001		150.00	12.176		149.00	11.392	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.20	0.169	0.290	0.20	0.160	0.307	0.20	0.152	0.327
0.40	0.336	0.587	0.40	0.319	0.623	0.40	0.302	0.661
0.60	0.501	0.891	0.60	0.475	0.945	0.60	0.451	1.004
0.80	0.664	1.202	0.80	0.631	1.276	0.80	0.598	1.356
1.00	0.825	1.521	1.00	0.784	1.615	1.00	0.744	1.717
1.20	0.985	1.848	1.20	0.936	1.963	1.20	0.888	2.087
1.40	1.144	2.183	1.40	1.086	2.319	1.40	1.030	2.465
1.60	1.300	2.526	1.60	1.235	2.683	1.60	1.171	2.854
1.80	1.456	2.877	1.80	1.382	3.057	1.80	1.311	3.252
2.00	1.609	3.237	2.00	1.528	3.440	2.00	1.449	3.659
2.20	1.761	3.605	2.20	1.672	3.832	2.20	1.585	4.077
2.40	1.911	3.982	2.40	1.814	4.234	2.40	1.720	4.506
2.60	2.060	4.369	2.60	1.955	4.645	2.60	1.854	4.945
2.80	2.207	4.764	2.80	2.095	5.067	2.80	1.986	5.394
3.00	2.353	5.169	3.00	2.233	5.499	3.00	2.117	5.855
3.20	2.497	5.584	3.20	2.369	5.941	3.20	2.246	6.327
3.40	2.639	6.009	3.40	2.504	6.394	3.40	2.374	6.811
3.60	2.780	6.444	3.60	2.638	6.858	3.60	2.500	7.307
3.80	2.920	6.889	3.80	2.770	7.334	3.80	2.625	7.815
4.00	3.058	7.345	4.00	2.901	7.820	4.00	2.749	8.335
4.20	3.194	7.812	4.20	3.030	8.319	4.20	2.871	8.868
4.40	3.329	8.290	4.40	3.158	8.829	4.40	2.992	9.414
4.60	3.463	8.779	4.60	3.284	9.352	4.60	3.111	9.973
4.80	3.595	9.280	4.80	3.409	9.888	4.80	3.229	10.547
5.00	3.726	9.793	5.00	3.533	10.436	5.00	3.346	11.134
5.20	3.855	10.318	5.20	3.655	10.998	5.20	3.462	11.735
5.40	3.983	10.855	5.40	3.776	11.573	5.40	3.576	12.351
5.60	4.109	11.405	5.60	3.895	12.162	5.60	3.689	12.982
5.80	4.234	11.968	5.80	4.013	12.765	5.80	3.801	13.629

B FACTORS FOR FLUORINE

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
148.00	10.648		147.00	9.943		146.00	9.275	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.20	0.144	0.347	0.20	0.136	0.369	0.20	0.129	0.393
0.40	0.286	0.703	0.40	0.271	0.748	0.40	0.257	0.797
0.60	0.427	1.068	0.60	0.405	1.137	0.60	0.383	1.212
0.80	0.567	1.443	0.80	0.537	1.536	0.80	0.508	1.637
1.00	0.705	1.827	1.00	0.668	1.945	1.00	0.632	2.073
1.20	0.841	2.220	1.20	0.797	2.365	1.20	0.754	2.521
1.40	0.976	2.624	1.40	0.925	2.795	1.40	0.875	2.981
1.60	1.110	3.038	1.60	1.051	3.237	1.60	0.994	3.452
1.80	1.242	3.462	1.80	1.176	3.689	1.80	1.112	3.936
2.00	1.373	3.897	2.00	1.300	4.154	2.00	1.229	4.432
2.20	1.502	4.343	2.20	1.422	4.630	2.20	1.345	4.941
2.40	1.630	4.800	2.40	1.543	5.118	2.40	1.459	5.463
2.60	1.756	5.268	2.60	1.662	5.619	2.60	1.572	5.998
2.80	1.881	5.748	2.80	1.780	6.132	2.80	1.684	6.548
3.00	2.005	6.241	3.00	1.897	6.658	3.00	1.794	7.111
3.20	2.127	6.745	3.20	2.013	7.198	3.20	1.903	7.689
3.40	2.248	7.262	3.40	2.127	7.751	3.40	2.011	8.282
3.60	2.367	7.792	3.60	2.240	8.319	3.60	2.117	8.890
3.80	2.485	8.336	3.80	2.352	8.901	3.80	2.223	9.514
4.00	2.602	8.892	4.00	2.462	9.497	4.00	2.327	10.153
4.20	2.718	9.463	4.20	2.571	10.108	4.20	2.429	10.809
4.40	2.832	10.048	4.40	2.679	10.735	4.40	2.531	11.482
4.60	2.945	10.647	4.60	2.785	11.378	4.60	2.632	12.172
4.80	3.057	11.261	4.80	2.891	12.036	4.80	2.731	12.879
5.00	3.167	11.890	5.00	2.995	12.712	5.00	2.829	13.604
5.20	3.276	12.535	5.20	3.097	13.404	5.20	2.926	14.348
5.40	3.384	13.196	5.40	3.199	14.113	5.40	3.022	15.111
5.60	3.490	13.873	5.60	3.300	14.840	5.60	3.116	15.893
5.80	3.596	14.567	5.80	3.399	15.586	5.80	3.210	16.695

145.00	8.643		144.00	8.046		143.00	7.481	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.20	0.122	0.420	0.20	0.116	0.448	0.20	0.109	0.478
0.40	0.243	0.850	0.40	0.230	0.908	0.40	0.217	0.970
0.60	0.362	1.292	0.60	0.343	1.380	0.60	0.323	1.475
0.80	0.480	1.746	0.80	0.455	1.865	0.80	0.429	1.994
1.00	0.597	2.212	1.00	0.565	2.363	1.00	0.533	2.527
1.20	0.713	2.691	1.20	0.674	2.875	1.20	0.635	3.074
1.40	0.827	3.182	1.40	0.782	3.400	1.40	0.737	3.637
1.60	0.940	3.686	1.60	0.888	3.939	1.60	0.838	4.215
1.80	1.052	4.203	1.80	0.994	4.493	1.80	0.937	4.808
2.00	1.162	4.734	2.00	1.098	5.061	2.00	1.035	5.418
2.20	1.271	5.278	2.20	1.200	5.645	2.20	1.132	6.044
2.40	1.379	5.837	2.40	1.302	6.244	2.40	1.228	6.686
2.60	1.485	6.411	2.60	1.403	6.859	2.60	1.322	7.347
2.80	1.591	6.999	2.80	1.502	7.490	2.80	1.416	8.024
3.00	1.695	7.603	3.00	1.600	8.138	3.00	1.508	8.721
3.20	1.797	8.223	3.20	1.697	8.803	3.20	1.599	9.435
3.40	1.899	8.859	3.40	1.793	9.486	3.40	1.689	10.169
3.60	2.000	9.511	3.60	1.887	10.187	3.60	1.778	10.923
3.80	2.099	10.181	3.80	1.981	10.906	3.80	1.866	11.697
4.00	2.197	10.867	4.00	2.073	11.644	4.00	1.953	12.491
4.20	2.294	11.572	4.20	2.164	12.402	4.20	2.039	13.306
4.40	2.390	12.294	4.40	2.254	13.179	4.40	2.123	14.144
4.60	2.484	13.036	4.60	2.343	13.977	4.60	2.207	15.003
4.80	2.578	13.796	4.80	2.431	14.795	4.80	2.289	15.886
5.00	2.670	14.576	5.00	2.518	15.636	5.00	2.371	16.791
5.20	2.761	15.377	5.20	2.604	16.498	5.20	2.452	17.721
5.40	2.851	16.198	5.40	2.688	17.382	5.40	2.531	18.676
5.60	2.940	17.040	5.60	2.772	18.290	5.60	2.610	19.656
5.80	3.028	17.903	5.80	2.854	19.222	5.80	2.687	20.662

B FACTORS FOR FLUORINE

TF1 (R)	PF1 (PSIA)
142.00	6.948

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.20	0.102	0.512
0.40	0.204	1.038
0.60	0.305	1.578
0.80	0.404	2.134
1.00	0.502	2.705
1.20	0.599	3.292
1.40	0.695	3.895
1.60	0.789	4.514
1.80	0.883	5.151
2.00	0.975	5.805
2.20	1.066	6.478
2.40	1.156	7.168
2.60	1.245	7.878
2.80	1.333	8.606
3.00	1.420	9.355
3.20	1.506	10.124
3.40	1.590	10.914
3.60	1.674	11.726
3.80	1.756	12.559
4.00	1.838	13.415
4.20	1.919	14.294
4.40	1.998	15.197
4.60	2.077	16.124
4.80	2.154	17.076
5.00	2.231	18.054
5.20	2.306	19.059
5.40	2.381	20.090
5.60	2.454	21.149
5.80	2.527	22.236

TF1 (R)	PF1 (PSIA)
141.00	6.446

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.20	0.097	0.548
0.40	0.193	1.111
0.60	0.287	1.691
0.80	0.381	2.286
1.00	0.473	2.899
1.20	0.564	3.528
1.40	0.654	4.176
1.60	0.743	4.841
1.80	0.831	5.525
2.00	0.918	6.228
2.20	1.004	6.951
2.40	1.088	7.694
2.60	1.172	8.457
2.80	1.254	9.241
3.00	1.336	10.048
3.20	1.417	10.876
3.40	1.496	11.727
3.60	1.575	12.602
3.80	1.652	13.501
4.00	1.729	14.425
4.20	1.804	15.373
4.40	1.879	16.348
4.60	1.952	17.350
4.80	2.025	18.379
5.00	2.097	19.436
5.20	2.167	20.522
5.40	2.237	21.638
5.60	2.306	22.784
5.80	2.374	23.961

TF1 (R)	PF1 (PSIA)
140.00	5.973

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.20	0.091	0.587
0.40	0.181	1.191
0.60	0.270	1.813
0.80	0.358	2.452
1.00	0.445	3.110
1.20	0.531	3.786
1.40	0.615	4.482
1.60	0.699	5.197
1.80	0.781	5.933
2.00	0.863	6.690
2.20	0.944	7.467
2.40	1.023	8.267
2.60	1.102	9.090
2.80	1.179	9.935
3.00	1.256	10.804
3.20	1.331	11.698
3.40	1.406	12.617
3.60	1.479	13.561
3.80	1.552	14.531
4.00	1.624	15.529
4.20	1.694	16.555
4.40	1.764	17.609
4.60	1.833	18.692
4.80	1.901	19.805
5.00	1.968	20.950
5.20	2.034	22.126
5.40	2.100	23.335
5.60	2.164	24.577
5.80	2.228	25.853

TF1 (R)	PF1 (PSIA)
139.00	5.528

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.10	0.043	0.313
0.20	0.086	0.630
0.30	0.128	0.952
0.40	0.170	1.279
0.50	0.212	1.610
0.60	0.254	1.946
0.70	0.295	2.287
0.80	0.336	2.633
0.90	0.377	2.984
1.00	0.418	3.340
1.10	0.458	3.702
1.20	0.499	4.068
1.30	0.538	4.439
1.40	0.578	4.816
1.50	0.617	5.199
1.60	0.657	5.586
1.70	0.695	5.980
1.80	0.734	6.379
1.90	0.772	6.783
2.00	0.811	7.194
2.10	0.848	7.610
2.20	0.886	8.032
2.30	0.923	8.460
2.40	0.961	8.894
2.50	0.998	9.335
2.60	1.034	9.782
2.70	1.071	10.235
2.80	1.107	10.694
2.90	1.143	11.160

TF1 (R)	PF1 (PSIA)
138.00	5.110

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.10	0.040	0.336
0.20	0.081	0.677
0.30	0.120	1.023
0.40	0.160	1.374
0.50	0.199	1.731
0.60	0.239	2.092
0.70	0.277	2.459
0.80	0.316	2.831
0.90	0.354	3.209
1.00	0.393	3.592
1.10	0.430	3.981
1.20	0.468	4.376
1.30	0.505	4.776
1.40	0.543	5.182
1.50	0.580	5.594
1.60	0.616	6.012
1.70	0.653	6.436
1.80	0.689	6.866
1.90	0.725	7.303
2.00	0.761	7.745
2.10	0.796	8.194
2.20	0.831	8.650
2.30	0.866	9.112
2.40	0.901	9.581
2.50	0.936	10.057
2.60	0.970	10.539
2.70	1.004	11.029
2.80	1.038	11.525
2.90	1.072	12.029

TF1 (R)	PF1 (PSIA)
137.00	4.717

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.10	0.037	0.361
0.20	0.075	0.728
0.30	0.112	1.101
0.40	0.150	1.479
0.50	0.187	1.862
0.60	0.223	2.252
0.70	0.260	2.647
0.80	0.296	3.048
0.90	0.332	3.455
1.00	0.368	3.868
1.10	0.403	4.287
1.20	0.438	4.712
1.30	0.473	5.144
1.40	0.508	5.582
1.50	0.543	6.027
1.60	0.577	6.478
1.70	0.611	6.936
1.80	0.645	7.400
1.90	0.679	7.871
2.00	0.712	8.350
2.10	0.745	8.835
2.20	0.778	9.327
2.30	0.811	9.827
2.40	0.844	10.334
2.50	0.876	10.848
2.60	0.908	11.370
2.70	0.940	11.900
2.80	0.972	12.437
2.90	1.003	12.982

B FACTORS FOR FLUORINE

TF1 (R)	PF1 (PSIA)
136.00	4.349

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.10	0.035	0.389
0.20	0.070	0.784
0.30	0.105	1.186
0.40	0.140	1.593
0.50	0.175	2.007
0.60	0.209	2.426
0.70	0.243	2.852
0.80	0.277	3.285
0.90	0.311	3.724
1.00	0.344	4.170
1.10	0.377	4.622
1.20	0.410	5.082
1.30	0.443	5.548
1.40	0.476	6.021
1.50	0.508	6.501
1.60	0.540	6.989
1.70	0.572	7.484
1.80	0.604	7.986
1.90	0.635	8.496
2.00	0.666	9.013
2.10	0.698	9.538
2.20	0.728	10.071
2.30	0.759	10.611
2.40	0.789	11.160
2.50	0.820	11.717
2.60	0.850	12.282
2.70	0.879	12.856
2.80	0.909	13.438
2.90	0.938	14.029

TF1 (R)	PF1 (PSIA)
135.00	4.005

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.10	0.033	0.420
0.20	0.066	0.846
0.30	0.099	1.279
0.40	0.132	1.718
0.50	0.164	2.165
0.60	0.196	2.618
0.70	0.228	3.078
0.80	0.260	3.545
0.90	0.291	4.020
1.00	0.322	4.501
1.10	0.354	4.990
1.20	0.384	5.487
1.30	0.415	5.991
1.40	0.445	6.503
1.50	0.476	7.022
1.60	0.506	7.550
1.70	0.535	8.086
1.80	0.565	8.629
1.90	0.594	9.181
2.00	0.624	9.741
2.10	0.653	10.310
2.20	0.681	10.888
2.30	0.710	11.474
2.40	0.738	12.069
2.50	0.767	12.673
2.60	0.795	13.286
2.70	0.822	13.908
2.80	0.850	14.540
2.90	0.877	15.181

TF1 (R)	PF1 (PSIA)
134.00	3.683

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.10	0.032	0.453
0.20	0.062	0.913
0.30	0.093	1.381
0.40	0.123	1.856
0.50	0.154	2.338
0.60	0.184	2.828
0.70	0.213	3.326
0.80	0.243	3.831
0.90	0.272	4.344
1.00	0.302	4.865
1.10	0.331	5.395
1.20	0.359	5.932
1.30	0.388	6.478
1.40	0.416	7.033
1.50	0.445	7.595
1.60	0.473	8.167
1.70	0.500	8.748
1.80	0.528	9.337
1.90	0.555	9.935
2.00	0.583	10.543
2.10	0.610	11.160
2.20	0.636	11.787
2.30	0.663	12.423
2.40	0.689	13.069
2.50	0.716	13.725
2.60	0.742	14.391
2.70	0.768	15.067
2.80	0.793	15.753
2.90	0.819	16.450

TF1 (R)	PF1 (PSIA)
133.00	3.381

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.10	0.029	0.490
0.20	0.057	0.988
0.30	0.086	1.493
0.40	0.114	2.007
0.50	0.143	2.529
0.60	0.171	3.059
0.70	0.198	3.598
0.80	0.226	4.145
0.90	0.253	4.701
1.00	0.281	5.266
1.10	0.308	5.840
1.20	0.334	6.423
1.30	0.361	7.014
1.40	0.387	7.616
1.50	0.414	8.226
1.60	0.440	8.847
1.70	0.466	9.477
1.80	0.491	10.117
1.90	0.517	10.767
2.00	0.542	11.427
2.10	0.567	12.097
2.20	0.592	12.778
2.30	0.617	13.470
2.40	0.642	14.172
2.50	0.666	14.885
2.60	0.691	15.610
2.70	0.715	16.345
2.80	0.739	17.092
2.90	0.762	17.851

TF1 (R)	PF1 (PSIA)
132.00	3.100

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.10	0.027	0.530
0.20	0.053	1.069
0.30	0.080	1.617
0.40	0.106	2.174
0.50	0.133	2.739
0.60	0.159	3.314
0.70	0.185	3.898
0.80	0.210	4.492
0.90	0.236	5.095
1.00	0.261	5.708
1.10	0.286	6.330
1.20	0.311	6.963
1.30	0.336	7.606
1.40	0.361	8.259
1.50	0.385	8.922
1.60	0.410	9.596
1.70	0.434	10.281
1.80	0.458	10.977
1.90	0.481	11.684
2.00	0.505	12.402
2.10	0.528	13.132
2.20	0.551	13.873
2.30	0.575	14.625
2.40	0.597	15.390
2.50	0.620	16.167
2.60	0.643	16.956
2.70	0.665	17.758
2.80	0.687	18.572
2.90	0.709	19.399

TF1 (R)	PF1 (PSIA)
131.00	2.839

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.10	0.025	0.575
0.20	0.050	1.159
0.30	0.075	1.753
0.40	0.100	2.357
0.50	0.124	2.971
0.60	0.149	3.595
0.70	0.173	4.229
0.80	0.197	4.874
0.90	0.220	5.529
1.00	0.244	6.195
1.10	0.267	6.872
1.20	0.290	7.560
1.30	0.314	8.259
1.40	0.336	8.969
1.50	0.359	9.691
1.60	0.382	10.425
1.70	0.404	11.170
1.80	0.426	11.928
1.90	0.448	12.698
2.00	0.470	13.480
2.10	0.492	14.275
2.20	0.513	15.083
2.30	0.535	15.904
2.40	0.556	16.738
2.50	0.577	17.585
2.60	0.598	18.446
2.70	0.619	19.321
2.80	0.639	20.210
2.90	0.660	21.113

Appendix E: B-factors for oxygen, calculated from eq (5).

B FACTORS FOR OXYGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
272.00	639.301		270.00	611.917		268.00	585.486	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
1.70	23.339	0.151	1.70	22.525	0.139	1.70	21.747	0.131
3.40	45.983	0.305	3.40	44.387	0.285	3.40	42.859	0.270
5.10	67.960	0.465	5.10	65.609	0.434	5.10	63.356	0.415
6.80	89.294	0.631	6.80	86.213	0.594	6.80	83.258	0.570
8.50	110.005	0.809	8.50	106.219	0.765	8.50	102.582	0.735
10.20	130.116	0.992	10.20	125.644	0.944	10.20	121.345	0.912
11.90	149.642	1.189	11.90	144.505	1.135	11.90	139.561	1.099
13.60	168.601	1.396	13.60	162.817	1.337	13.60	157.245	1.302
15.30	187.009	1.614	15.30	180.593	1.555	15.30	174.408	1.515
17.00	204.879	1.849	17.00	197.848	1.785	17.00	191.064	1.747
18.70	222.224	2.097	18.70	214.592	2.030	18.70	207.224	1.989
20.40	239.058	2.360	20.40	230.839	2.293	20.40	222.898	2.253
22.10	255.391	2.643	22.10	246.598	2.570	22.10	238.097	2.528
23.80	271.236	2.940	23.80	261.880	2.868	23.80	252.831	2.828
25.50	286.601	3.259	25.50	276.696	3.188	25.50	267.110	3.147
27.20	301.499	3.600	27.20	291.054	3.526	27.20	280.943	3.493
28.90	315.937	3.966	28.90	304.965	3.888	28.90	294.338	3.861
30.60	329.926	4.352	30.60	318.437	4.277	30.60	307.305	4.250
32.30	343.475	4.765	32.30	331.479	4.692	32.30	319.852	4.673
34.00	356.592	5.208	34.00	344.099	5.139	34.00	331.988	5.119
35.70	369.286	5.676	35.70	356.307	5.611	35.70	343.721	5.605
37.40	381.567	6.183	37.40	368.111	6.126	37.40	355.059	6.120
39.10	393.441	6.718	39.10	379.518	6.668	39.10	366.010	6.674
40.80	404.917	7.298	40.80	390.537	7.243	40.80	376.583	7.262
42.50	416.004	7.906	42.50	401.175	7.866	42.50	386.784	7.898
44.20	426.709	8.568	44.20	411.442	8.538	44.20	396.622	8.586
45.90	437.041	9.272	45.90	421.343	9.255	45.90	406.105	9.321
47.60	447.006	10.032	47.60	430.888	10.029	47.60	415.241	10.115
49.30	456.614	10.842	49.30	440.084	10.857	49.30	424.036	10.966

266.00	559.968		264.00	535.324		262.00	511.521	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
1.70	21.002	0.129	1.70	20.285	0.124	1.70	19.594	0.124
3.40	41.393	0.262	3.40	39.982	0.254	3.40	38.620	0.256
5.10	61.192	0.406	5.10	59.106	0.398	5.10	57.091	0.400
6.80	80.416	0.560	6.80	77.674	0.551	6.80	75.024	0.550
8.50	99.081	0.721	8.50	95.701	0.712	8.50	92.430	0.715
10.20	117.202	0.897	10.20	113.199	0.887	10.20	109.324	0.894
11.90	134.793	1.087	11.90	130.182	1.077	11.90	125.715	1.084
13.60	151.866	1.285	13.60	146.662	1.278	13.60	141.617	1.287
15.30	168.434	1.500	15.30	162.649	1.492	15.30	157.038	1.506
17.00	184.507	1.731	17.00	178.154	1.728	17.00	171.990	1.743
18.70	200.096	1.976	18.70	193.188	1.973	18.70	186.482	1.994
20.40	215.213	2.241	20.40	207.761	2.243	20.40	200.523	2.270
22.10	229.866	2.526	22.10	221.881	2.528	22.10	214.123	2.562
23.80	244.065	2.825	23.80	235.558	2.834	23.80	227.291	2.878
25.50	257.820	3.150	25.50	248.801	3.166	25.50	240.035	3.213
27.20	271.139	3.497	27.20	261.619	3.520	27.20	252.363	3.579
28.90	284.032	3.872	28.90	274.020	3.897	28.90	264.285	3.966
30.60	296.506	4.268	30.60	286.013	4.310	30.60	275.807	4.384
32.30	308.570	4.700	32.30	297.606	4.746	32.30	286.940	4.834
34.00	320.233	5.159	34.00	308.806	5.216	34.00	297.689	5.320
35.70	331.502	5.649	35.70	319.623	5.720	35.70	308.064	5.841
37.40	342.385	6.179	37.40	330.063	6.265	37.40	318.072	6.404
39.10	352.892	6.745	39.10	340.136	6.849	39.10	327.722	7.009
40.80	363.029	7.349	40.80	349.848	7.472	40.80	337.019	7.655
42.50	372.804	8.004	42.50	359.207	8.148	42.50	345.974	8.357
44.20	382.225	8.712	44.20	368.221	8.880	44.20	354.592	9.118
45.90	391.299	9.470	45.90	376.898	9.665	45.90	362.882	9.936
47.60	400.035	10.291	47.60	385.245	10.517	47.60	370.851	10.820
49.30	408.440	11.171	49.30	393.270	11.431	49.30	378.506	11.775

B FACTORS FOR OXYGEN

TF1 (R)	PF1 (PSIA)
260.00	488.528

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.60	17.828	0.116
3.20	35.168	0.240
4.80	52.031	0.373
6.40	68.428	0.517
8.00	84.369	0.669
9.60	99.866	0.835
11.20	114.926	1.010
12.80	129.559	1.199
14.40	143.773	1.403
16.00	157.577	1.618
17.60	170.978	1.855
19.20	183.985	2.104
20.80	196.604	2.367
22.40	208.844	2.656
24.00	220.710	2.965
25.60	232.211	3.293
27.20	243.354	3.644
28.80	254.144	4.025
30.40	264.589	4.424
32.00	274.696	4.857
33.60	284.471	5.323
35.20	293.921	5.822
36.80	303.052	6.350
38.40	311.870	6.926
40.00	320.382	7.544
41.60	328.595	8.209
43.20	336.515	8.923
44.80	344.147	9.688
46.40	351.499	10.516

TF1 (R)	PF1 (PSIA)
258.00	466.320

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.60	17.220	0.114
3.20	33.965	0.242
4.80	50.248	0.375
6.40	66.077	0.519
8.00	81.463	0.676
9.60	96.416	0.842
11.20	110.943	1.022
12.80	125.054	1.217
14.40	138.757	1.422
16.00	152.058	1.644
17.60	164.968	1.882
19.20	177.491	2.139
20.80	189.637	2.416
22.40	201.412	2.708
24.00	212.822	3.022
25.60	223.876	3.365
27.20	234.580	3.726
28.80	244.940	4.110
30.40	254.963	4.528
32.00	264.656	4.977
33.60	274.025	5.460
35.20	283.077	5.979
36.80	291.818	6.528
38.40	300.255	7.127
40.00	308.394	7.771
41.60	316.241	8.465
43.20	323.803	9.208
44.80	331.085	10.012
46.40	338.095	10.874

TF1 (R)	PF1 (PSIA)
256.00	444.870

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.60	16.629	0.118
3.20	32.797	0.243
4.80	48.515	0.380
6.40	63.792	0.530
8.00	78.637	0.688
9.60	93.060	0.859
11.20	107.068	1.041
12.80	120.669	1.241
14.40	133.872	1.453
16.00	146.684	1.682
17.60	159.113	1.923
19.20	171.165	2.188
20.80	182.848	2.469
22.40	194.169	2.777
24.00	205.135	3.102
25.60	215.752	3.451
27.20	226.027	3.827
28.80	235.967	4.224
30.40	245.578	4.659
32.00	254.868	5.126
33.60	263.841	5.628
35.20	272.506	6.169
36.80	280.868	6.742
38.40	288.933	7.367
40.00	296.708	8.041
41.60	304.200	8.764
43.20	311.413	9.547
44.80	318.355	10.387
46.40	325.032	11.294

TF1 (R)	PF1 (PSIA)
254.00	424.156

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.60	16.054	0.119
3.20	31.661	0.249
4.80	46.829	0.387
6.40	61.568	0.541
8.00	75.886	0.700
9.60	89.792	0.878
11.20	103.293	1.065
12.80	116.398	1.268
14.40	129.113	1.487
16.00	141.447	1.723
17.60	153.406	1.973
19.20	164.998	2.248
20.80	176.229	2.539
22.40	187.107	2.851
24.00	197.638	3.189
25.60	207.829	3.552
27.20	217.686	3.942
28.80	227.217	4.356
30.40	236.426	4.808
32.00	245.322	5.295
33.60	253.911	5.819
35.20	262.198	6.384
36.80	270.190	6.983
38.40	277.893	7.636
40.00	285.315	8.343
41.60	292.460	9.105
43.20	299.335	9.935
44.80	305.946	10.820
46.40	312.299	11.777

TF1 (R)	PF1 (PSIA)
252.00	404.159

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.50	14.541	0.116
3.00	28.698	0.238
4.50	42.478	0.371
6.00	55.889	0.512
7.50	68.938	0.667
9.00	81.630	0.831
10.50	93.973	1.008
12.00	105.973	1.198
13.50	117.636	1.399
15.00	128.968	1.619
16.50	139.974	1.851
18.00	150.661	2.099
19.50	161.035	2.371
21.00	171.100	2.658
22.50	180.862	2.959
24.00	190.327	3.290
25.50	199.501	3.643
27.00	208.388	4.023
28.50	216.995	4.421
30.00	225.325	4.858
31.50	233.386	5.325
33.00	241.181	5.819
34.50	248.717	6.356
36.00	255.997	6.935
37.50	263.029	7.554
39.00	269.815	8.219
40.50	276.363	8.934
42.00	282.676	9.702
43.50	288.760	10.525

TF1 (R)	PF1 (PSIA)
250.00	384.857

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.50	14.031	0.117
3.00	27.687	0.244
4.50	40.977	0.378
6.00	53.906	0.523
7.50	66.481	0.680
9.00	78.709	0.850
10.50	90.596	1.032
12.00	102.148	1.230
13.50	113.371	1.437
15.00	124.270	1.666
16.50	134.852	1.906
18.00	145.122	2.165
19.50	155.085	2.442
21.00	164.748	2.740
22.50	174.115	3.053
24.00	183.193	3.397
25.50	191.986	3.765
27.00	200.500	4.154
28.50	208.740	4.577
30.00	216.711	5.034
31.50	224.419	5.522
33.00	231.869	6.049
34.50	239.066	6.603
36.00	246.016	7.209
37.50	252.722	7.859
39.00	259.191	8.559
40.50	265.427	9.323
42.00	271.436	10.134
43.50	277.222	11.004

B FACTORS FOR OXYGEN

TF1 (R)	PF1 (PSIA)
248.00	366.233

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.50	13.533	0.118
3.00	26.702	0.249
4.50	39.513	0.368
6.00	51.971	0.539
7.50	64.085	0.702
9.00	75.860	0.878
10.50	87.301	1.063
12.00	98.415	1.268
13.50	109.208	1.484
15.00	119.685	1.716
16.50	129.853	1.966
18.00	139.715	2.235
19.50	149.279	2.523
21.00	158.549	2.834
22.50	167.531	3.161
24.00	176.231	3.520
25.50	184.653	3.904
27.00	192.803	4.311
28.50	200.686	4.754
30.00	208.307	5.233
31.50	215.672	5.745
33.00	222.786	6.296
34.50	229.654	6.889
36.00	236.281	7.529
37.50	242.671	8.212
39.00	248.831	8.951
40.50	254.765	9.747
42.00	260.478	10.613
43.50	265.975	11.535

TF1 (R)	PF1 (PSIA)
246.00	348.270

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.40	12.190	0.114
2.80	24.069	0.242
4.20	35.643	0.372
5.60	46.918	0.516
7.00	57.897	0.671
8.40	68.586	0.833
9.80	78.989	1.007
11.20	89.112	1.200
12.60	98.959	1.401
14.00	108.535	1.617
15.40	117.843	1.847
16.80	126.890	2.089
18.20	135.678	2.355
19.60	144.213	2.639
21.00	152.499	2.942
22.40	160.540	3.261
23.80	168.341	3.609
25.20	175.906	3.981
26.60	183.239	4.372
28.00	190.344	4.798
29.40	197.226	5.255
30.80	203.889	5.742
32.20	210.337	6.256
33.60	216.574	6.817
35.00	222.604	7.415
36.40	228.432	8.056
37.80	234.061	8.758
39.20	239.495	9.496
40.60	244.740	10.289

TF1 (R)	PF1 (PSIA)
244.00	330.951

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.40	11.748	0.119
2.80	23.193	0.248
4.20	34.340	0.387
5.60	45.194	0.532
7.00	55.760	0.694
8.40	66.043	0.862
9.80	76.047	1.044
11.20	85.777	1.239
12.60	95.237	1.448
14.00	104.433	1.673
15.40	113.368	1.914
16.80	122.048	2.166
18.20	130.476	2.443
19.60	138.656	2.740
21.00	146.594	3.051
22.40	154.293	3.391
23.80	161.758	3.756
25.20	168.993	4.146
26.60	176.002	4.556
28.00	182.789	5.004
29.40	189.359	5.483
30.80	195.716	5.998
32.20	201.864	6.547
33.60	207.807	7.139
35.00	213.549	7.772
36.40	219.094	8.450
37.80	224.447	9.179
39.20	229.611	9.974
40.60	234.590	10.815

TF1 (R)	PF1 (PSIA)
242.00	314.262

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.40	11.317	0.124
2.80	22.338	0.253
4.20	33.068	0.398
5.60	43.512	0.549
7.00	53.675	0.717
8.40	63.561	0.893
9.80	73.175	1.083
11.20	82.522	1.286
12.60	91.605	1.499
14.00	100.430	1.733
15.40	109.001	1.985
16.80	117.323	2.248
18.20	125.398	2.538
19.60	133.233	2.848
21.00	140.832	3.174
22.40	148.197	3.530
23.80	155.335	3.913
25.20	162.249	4.323
26.60	168.942	4.753
28.00	175.421	5.224
29.40	181.687	5.730
30.80	187.747	6.270
32.20	193.603	6.853
33.60	199.261	7.476
35.00	204.723	8.157
36.40	209.994	8.876
37.80	215.078	9.650
39.20	219.979	10.491
40.60	224.702	11.399

TF1 (R)	PF1 (PSIA)
240.00	298.186

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.40	10.896	0.125
2.80	21.503	0.264
4.20	31.826	0.410
5.60	41.869	0.568
7.00	51.638	0.738
8.40	61.137	0.921
9.80	70.371	1.118
11.20	79.343	1.330
12.60	88.058	1.552
14.00	96.522	1.797
15.40	104.737	2.060
16.80	112.710	2.335
18.20	120.443	2.638
19.60	127.941	2.963
21.00	135.208	3.305
22.40	142.249	3.679
23.80	149.068	4.081
25.20	155.669	4.511
26.60	162.056	4.974
28.00	168.234	5.471
29.40	174.205	6.003
30.80	179.976	6.575
32.20	185.549	7.189
33.60	190.929	7.851
35.00	196.119	8.570
36.40	201.125	9.334
37.80	205.949	10.169
39.20	210.596	11.051
40.60	215.069	12.016

TF1 (R)	PF1 (PSIA)
238.00	282.709

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.40	10.485	0.130
2.80	20.687	0.271
4.20	30.613	0.428
5.60	40.265	0.592
7.00	49.650	0.770
8.40	58.770	0.956
9.80	67.632	1.162
11.20	76.239	1.383
12.60	84.596	1.616
14.00	92.707	1.872
15.40	100.576	2.147
16.80	108.207	2.436
18.20	115.606	2.754
19.60	122.776	3.095
21.00	129.721	3.462
22.40	136.446	3.847
23.80	142.955	4.270
25.20	149.252	4.725
26.60	155.341	5.212
28.00	161.226	5.737
29.40	166.911	6.300
30.80	172.401	6.905
32.20	177.699	7.568
33.60	182.810	8.269
35.00	187.737	9.033
36.40	192.485	9.847
37.80	197.057	10.733
39.20	201.457	11.689
40.60	205.690	12.721

B FACTORS FOR OXYGEN

TF1 (R)	PF1 (PSIA)
236.00	267.818

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.30	9.373	0.126
2.60	18.507	0.262
3.90	27.407	0.407
5.20	36.078	0.564
6.50	44.521	0.727
7.80	52.741	0.908
9.10	60.742	1.101
10.40	68.526	1.303
11.70	76.098	1.524
13.00	83.461	1.756
14.30	90.618	2.010
15.60	97.573	2.282
16.90	104.329	2.566
18.20	110.889	2.878
19.50	117.257	3.210
20.80	123.437	3.566
22.10	129.431	3.940
23.40	135.243	4.347
24.70	140.877	4.782
26.00	146.335	5.248
27.30	151.621	5.747
28.60	156.738	6.279
29.90	161.689	6.862
31.20	166.478	7.473
32.50	171.107	8.127
33.80	175.581	8.844
35.10	179.901	9.596
36.40	184.072	10.414
37.70	188.097	11.280

TF1 (R)	PF1 (PSIA)
234.00	253.498

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.30	9.008	0.132
2.60	17.784	0.273
3.90	26.332	0.426
5.20	34.655	0.590
6.50	42.756	0.760
7.80	50.640	0.949
9.10	58.310	1.152
10.40	65.768	1.363
11.70	73.020	1.596
13.00	80.068	1.839
14.30	86.915	2.106
15.60	93.565	2.392
16.90	100.022	2.691
18.20	106.288	3.018
19.50	112.368	3.370
20.80	118.263	3.746
22.10	123.979	4.148
23.40	129.517	4.579
24.70	134.882	5.040
26.00	140.077	5.534
27.30	145.104	6.062
28.60	149.968	6.629
29.90	154.670	7.235
31.20	159.215	7.897
32.50	163.606	8.595
33.80	167.846	9.356
35.10	171.937	10.174
36.40	175.884	11.034
37.70	179.689	11.977

TF1 (R)	PF1 (PSIA)
232.00	239.735

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
1.30	8.652	0.137
2.60	17.078	0.280
3.90	25.281	0.440
5.20	33.265	0.611
6.50	41.033	0.789
7.80	48.589	0.987
9.10	55.936	1.199
10.40	63.077	1.421
11.70	70.016	1.665
13.00	76.757	1.920
14.30	83.303	2.200
15.60	89.656	2.502
16.90	95.822	2.824
18.20	101.802	3.161
19.50	107.600	3.531
20.80	113.220	3.927
22.10	118.665	4.352
23.40	123.937	4.807
24.70	129.041	5.296
26.00	133.980	5.829
27.30	138.757	6.391
28.60	143.374	6.992
29.90	147.836	7.649
31.20	152.145	8.342
32.50	156.304	9.100
33.80	160.317	9.911
35.10	164.187	10.771
36.40	167.917	11.707
37.70	171.510	12.731

230.00	226.518

0.00	0.000	0.000
1.20	7.675	0.133
2.40	15.161	0.270
3.60	22.461	0.422
4.80	29.579	0.579
6.00	36.516	0.753
7.20	43.275	0.939
8.40	49.860	1.132
9.60	56.273	1.345
10.80	62.516	1.565
12.00	68.592	1.807
13.20	74.505	2.065
14.40	80.255	2.333
15.60	85.848	2.627
16.80	91.283	2.941
18.00	96.566	3.276
19.20	101.697	3.633
20.40	106.680	4.004
21.60	111.517	4.411
22.80	116.210	4.843
24.00	120.763	5.316
25.20	125.178	5.810
26.40	129.457	6.337
27.60	133.603	6.900
28.80	137.618	7.512
30.00	141.505	8.154
31.20	145.266	8.853
32.40	148.904	9.585
33.60	152.421	10.383
34.80	155.820	11.237

228.00	213.832

0.00	0.000	0.000
1.20	7.362	0.139
2.40	14.540	0.282
3.60	21.537	0.442
4.80	28.356	0.607
6.00	34.998	0.789
7.20	41.468	0.985
8.40	47.767	1.187
9.60	53.899	1.411
10.80	59.866	1.642
12.00	65.670	1.897
13.20	71.315	2.169
14.40	76.803	2.460
15.60	82.136	2.763
16.80	87.317	3.093
18.00	92.349	3.448
19.20	97.234	3.825
20.40	101.975	4.228
21.60	106.575	4.660
22.80	111.035	5.120
24.00	115.359	5.621
25.20	119.549	6.147
26.40	123.608	6.709
27.60	127.537	7.320
28.80	131.340	7.962
30.00	135.019	8.661
31.20	138.576	9.409
32.40	142.014	10.195
33.60	145.336	11.048
34.80	148.543	11.966

226.00	201.664

0.00	0.000	0.000
1.10	6.476	0.133
2.20	12.800	0.270
3.30	18.977	0.422
4.40	25.006	0.577
5.50	30.891	0.749
6.60	36.633	0.926
7.70	42.235	1.120
8.80	47.698	1.321
9.90	53.025	1.541
11.00	58.217	1.775
12.10	63.277	2.017
13.20	68.207	2.281
14.30	73.008	2.563
15.40	77.683	2.862
16.50	82.234	3.180
17.60	86.663	3.508
18.70	90.970	3.867
19.80	95.160	4.248
20.90	99.233	4.654
22.00	103.191	5.095
23.10	107.037	5.555
24.20	110.772	6.041
25.30	114.399	6.559
26.40	117.918	7.123
27.50	121.333	7.710
28.60	124.645	8.349
29.70	127.855	9.015
30.80	130.966	9.736
31.90	133.980	10.505

B FACTORS FOR OXYGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
224.00	190.002		222.00	178.834		220.00	168.146	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
1.10	6.203	0.140	1.10	5.937	0.140	1.00	5.168	0.134
2.20	12.259	0.283	2.20	11.731	0.297	2.00	10.220	0.283
3.30	18.169	0.442	3.30	17.384	0.464	3.00	15.158	0.441
4.40	23.937	0.605	4.40	22.897	0.636	4.00	19.984	0.602
5.50	29.564	0.786	5.50	28.273	0.826	5.00	24.699	0.780
6.60	35.053	0.972	6.60	33.514	1.021	6.00	29.305	0.961
7.70	40.404	1.177	7.70	38.622	1.238	7.00	33.802	1.161
8.80	45.621	1.395	8.80	43.599	1.468	8.00	38.194	1.374
9.90	50.705	1.620	9.90	48.447	1.713	9.00	42.480	1.590
11.00	55.658	1.867	11.00	53.168	1.966	10.00	46.663	1.829
12.10	60.483	2.130	12.10	57.764	2.244	11.00	50.744	2.081
13.20	65.181	2.410	13.20	62.236	2.540	12.00	54.725	2.349
14.30	69.754	2.699	14.30	66.588	2.855	13.00	58.607	2.633
15.40	74.204	3.015	15.40	70.820	3.191	14.00	62.391	2.933
16.50	78.534	3.352	16.50	74.935	3.548	15.00	66.079	3.252
17.60	82.745	3.711	17.60	78.935	3.929	16.00	69.673	3.589
18.70	86.839	4.091	18.70	82.822	4.333	17.00	73.174	3.947
19.80	90.818	4.497	19.80	86.597	4.777	18.00	76.583	4.326
20.90	94.684	4.939	20.90	90.263	5.236	19.00	79.902	4.727
22.00	98.439	5.397	22.00	93.821	5.726	20.00	83.133	5.153
23.10	102.085	5.887	23.10	97.273	6.260	21.00	86.276	5.616
24.20	105.624	6.407	24.20	100.622	6.816	22.00	89.333	6.095
25.30	109.058	6.974	25.30	103.869	7.421	23.00	92.306	6.601
26.40	112.388	7.561	26.40	107.016	8.053	24.00	95.195	7.154
27.50	115.617	8.204	27.50	110.065	8.741	25.00	98.004	7.723
28.60	118.746	8.886	28.60	113.018	9.474	26.00	100.731	8.343
29.70	121.777	9.616	29.70	115.877	10.256	27.00	103.380	8.999
30.80	124.713	10.376	30.80	118.643	11.091	28.00	105.952	9.697
31.90	127.554	11.203	31.90	121.318	11.983	29.00	108.448	10.421

218.00	157.926		216.00	148.162		214.00	138.841	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
1.00	4.938	0.148	1.00	4.715	0.155	0.90	4.052	0.147
2.00	9.764	0.297	2.00	9.321	0.313	1.80	8.019	0.303
3.00	14.479	0.464	3.00	13.818	0.488	2.70	11.900	0.460
4.00	19.085	0.633	4.00	18.210	0.675	3.60	15.697	0.635
5.00	23.582	0.821	5.00	22.496	0.865	4.50	19.411	0.819
6.00	27.974	1.020	6.00	26.679	1.075	5.40	23.043	1.005
7.00	32.260	1.223	7.00	30.760	1.299	6.30	26.595	1.210
8.00	36.443	1.448	8.00	34.741	1.536	7.20	30.066	1.428
9.00	40.524	1.685	9.00	38.623	1.788	8.10	33.459	1.657
10.00	44.505	1.938	10.00	42.407	2.056	9.00	36.774	1.900
11.00	48.387	2.206	11.00	46.095	2.340	9.90	40.013	2.145
12.00	52.171	2.490	12.00	49.689	2.642	10.80	43.176	2.416
13.00	55.859	2.791	13.00	53.190	2.962	11.70	46.265	2.701
14.00	59.453	3.110	14.00	56.599	3.302	12.60	49.281	3.014
15.00	62.954	3.449	15.00	59.918	3.663	13.50	52.224	3.332
16.00	66.363	3.808	16.00	63.149	4.046	14.40	55.095	3.668
17.00	69.682	4.189	17.00	66.292	4.464	15.30	57.897	4.024
18.00	72.913	4.593	18.00	69.349	4.896	16.20	60.629	4.399
19.00	76.056	5.033	19.00	72.322	5.353	17.10	63.293	4.794
20.00	79.113	5.489	20.00	75.211	5.855	18.00	65.890	5.226
21.00	82.086	5.970	21.00	78.020	6.371	18.90	68.421	5.667
22.00	84.975	6.497	22.00	80.747	6.935	19.80	70.887	6.149
23.00	87.784	7.040	23.00	83.396	7.532	20.70	73.289	6.643
24.00	90.511	7.631	24.00	85.968	8.169	21.60	75.628	7.179
25.00	93.160	8.257	25.00	88.464	8.828	22.50	77.904	7.729
26.00	95.732	8.924	26.00	90.885	9.545	23.40	80.120	8.329
27.00	98.228	9.616	27.00	93.232	10.307	24.30	82.276	8.962
28.00	100.649	10.366	28.00	95.508	11.117	25.20	84.372	9.632
29.00	102.996	11.163	29.00	97.713	11.999	26.10	86.411	10.340

B FACTORS FOR OXYGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
212.00	129.952		210.00	121.483		208.00	113.421	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.90	3.862	0.147	0.90	3.678	0.164	0.90	3.498	0.173
1.80	7.641	0.311	1.80	7.274	0.338	1.80	6.917	0.347
2.70	11.336	0.485	2.70	10.789	0.513	2.70	10.258	0.542
3.60	14.951	0.661	3.60	14.226	0.707	3.60	13.522	0.748
4.50	18.484	0.855	4.50	17.584	0.913	4.50	16.710	0.966
5.40	21.938	1.061	5.40	20.865	1.132	5.40	19.824	1.198
6.30	25.314	1.278	6.30	24.070	1.363	6.30	22.864	1.443
7.20	28.612	1.509	7.20	27.200	1.607	7.20	25.831	1.703
8.10	31.834	1.752	8.10	30.256	1.866	8.10	28.726	1.977
9.00	34.980	2.009	9.00	33.239	2.140	9.00	31.551	2.280
9.90	38.053	2.281	9.90	36.151	2.430	9.90	34.306	2.590
10.80	41.052	2.568	10.80	38.991	2.736	10.80	36.993	2.917
11.70	43.979	2.873	11.70	41.762	3.060	11.70	39.612	3.263
12.60	46.835	3.193	12.60	44.464	3.415	12.60	42.165	3.642
13.50	49.621	3.532	13.50	47.098	3.778	13.50	44.652	4.030
14.40	52.338	3.891	14.40	49.665	4.162	14.40	47.075	4.456
15.30	54.987	4.283	15.30	52.167	4.582	15.30	49.435	4.891
16.20	57.570	4.684	16.20	54.605	5.011	16.20	51.732	5.368
17.10	60.086	5.122	17.10	56.978	5.481	17.10	53.968	5.872
18.00	62.537	5.570	18.00	59.289	5.977	18.00	56.144	6.390
18.90	64.925	6.058	18.90	61.539	6.487	18.90	58.260	6.956
19.80	67.250	6.560	19.80	63.727	7.044	19.80	60.318	7.555
20.70	69.513	7.105	20.70	65.857	7.632	20.70	62.318	8.190
21.60	71.715	7.682	21.60	67.927	8.255	21.60	64.262	8.861
22.50	73.858	8.275	22.50	69.940	8.895	22.50	66.150	9.575
23.40	75.941	8.921	23.40	71.897	9.593	23.40	67.985	10.330
24.30	77.967	9.604	24.30	73.798	10.353	24.30	69.765	11.130
25.20	79.936	10.327	25.20	75.644	11.135	25.20	71.494	12.002
26.10	81.849	11.091	26.10	77.436	11.965	26.10	73.170	12.904

206.00	105.755		204.00	98.473		202.00	91.563	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.80	2.958	0.154	0.80	2.808	0.163	0.80	2.663	0.183
1.60	5.856	0.325	1.60	5.558	0.345	1.60	5.268	0.376
2.40	8.694	0.507	2.40	8.249	0.537	2.40	7.817	0.581
3.20	11.472	0.698	3.20	10.883	0.739	3.20	10.311	0.796
4.00	14.192	0.899	4.00	13.460	0.953	4.00	12.750	1.024
4.80	16.855	1.111	4.80	15.981	1.178	4.80	15.135	1.264
5.60	19.460	1.334	5.60	18.447	1.416	5.60	17.466	1.517
6.40	22.009	1.570	6.40	20.859	1.666	6.40	19.745	1.785
7.20	24.503	1.818	7.20	23.217	1.943	7.20	21.973	2.080
8.00	26.942	2.079	8.00	25.522	2.222	8.00	24.148	2.379
8.80	29.327	2.354	8.80	27.775	2.516	8.80	26.274	2.693
9.60	31.658	2.643	9.60	29.977	2.825	9.60	28.350	3.039
10.40	33.937	2.948	10.40	32.127	3.166	10.40	30.376	3.389
11.20	36.165	3.282	11.20	34.228	3.510	11.20	32.355	3.773
12.00	38.340	3.621	12.00	36.279	3.887	12.00	34.286	4.163
12.80	40.466	3.977	12.80	38.282	4.270	12.80	36.170	4.591
13.60	42.542	4.367	13.60	40.236	4.689	13.60	38.007	5.043
14.40	44.568	4.762	14.40	42.143	5.114	14.40	39.799	5.500
15.20	46.547	5.194	15.20	44.004	5.579	15.20	41.547	6.003
16.00	48.478	5.633	16.00	45.819	6.051	16.00	43.250	6.531
16.80	50.362	6.112	16.80	47.589	6.568	16.80	44.910	7.089
17.60	52.199	6.616	17.60	49.314	7.111	17.60	46.527	7.678
18.40	53.991	7.128	18.40	50.995	7.686	18.40	48.102	8.300
19.20	55.739	7.688	19.20	52.634	8.291	19.20	49.636	8.956
20.00	57.442	8.277	20.00	54.230	8.929	20.00	51.129	9.649
20.80	59.102	8.897	20.80	55.784	9.602	20.80	52.581	10.382
21.60	60.719	9.550	21.60	57.297	10.312	21.60	53.995	11.153
22.40	62.294	10.239	22.40	58.770	11.060	22.40	55.370	11.970
23.20	63.828	10.966	23.20	60.203	11.851	23.20	56.707	12.856

B FACTORS FOR OXYGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
200.00	85.013		199.00	81.870		198.00	78.813	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.70	2.209	0.171	0.70	2.149	0.164	0.70	2.090	0.181
1.40	4.376	0.350	1.40	4.256	0.349	1.40	4.139	0.372
2.10	6.501	0.538	2.10	6.322	0.543	2.10	6.147	0.572
2.80	8.585	0.736	2.80	8.348	0.759	2.80	8.115	0.783
3.50	10.628	0.943	3.50	10.334	0.972	3.50	10.044	1.003
4.20	12.631	1.161	4.20	12.280	1.197	4.20	11.935	1.235
4.90	14.593	1.389	4.90	14.186	1.433	4.90	13.786	1.493
5.60	16.517	1.628	5.60	16.054	1.680	5.60	15.600	1.749
6.30	18.401	1.893	6.30	17.884	1.939	6.30	17.376	2.018
7.00	20.247	2.156	7.00	19.676	2.226	7.00	19.115	2.300
7.70	22.056	2.433	7.70	21.431	2.512	7.70	20.817	2.611
8.40	23.826	2.723	8.40	23.149	2.812	8.40	22.483	2.922
9.10	25.560	3.042	9.10	24.831	3.127	9.10	24.114	3.265
9.80	27.257	3.362	9.80	26.477	3.473	9.80	25.710	3.608
10.50	28.919	3.696	10.50	28.087	3.820	10.50	27.270	3.968
11.20	30.544	4.064	11.20	29.663	4.201	11.20	28.797	4.364
11.90	32.135	4.432	11.90	31.204	4.583	11.90	30.290	4.779
12.60	33.690	4.836	12.60	32.711	5.001	12.60	31.749	5.196
13.30	35.212	5.241	13.30	34.185	5.442	13.30	33.176	5.652
14.00	36.700	5.684	14.00	35.625	5.883	14.00	34.570	6.132
14.70	38.155	6.130	14.70	37.033	6.367	14.70	35.932	6.615
15.40	39.577	6.618	15.40	38.409	6.872	15.40	37.263	7.144
16.10	40.966	7.129	16.10	39.753	7.384	16.10	38.562	7.697
16.80	42.324	7.666	16.80	41.066	7.942	16.80	39.831	8.279
17.50	43.650	8.208	17.50	42.348	8.529	17.50	41.070	8.890
18.20	44.946	8.796	18.20	43.600	9.142	18.20	42.280	9.533
18.90	46.210	9.416	18.90	44.822	9.787	18.90	43.460	10.206
19.60	47.445	10.065	19.60	46.015	10.466	19.60	44.611	10.914
20.30	48.650	10.748	20.30	47.178	11.177	20.30	45.734	11.657

197.00	75.840		196.00	72.951		195.00	70.142	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.70	2.031	0.187	0.70	1.975	0.193	0.70	1.917	0.212
1.40	4.022	0.384	1.40	3.909	0.396	1.40	3.796	0.422
2.10	5.974	0.603	2.10	5.805	0.609	2.10	5.637	0.643
2.80	7.886	0.821	2.80	7.662	0.833	2.80	7.440	0.875
3.50	9.760	1.049	3.50	9.481	1.083	3.50	9.205	1.119
4.20	11.595	1.289	4.20	11.262	1.331	4.20	10.934	1.391
4.90	13.392	1.542	4.90	13.007	1.592	4.90	12.626	1.661
5.60	15.152	1.821	5.60	14.714	1.881	5.60	14.282	1.944
6.30	16.876	2.099	6.30	16.386	2.170	6.30	15.902	2.259
7.00	18.563	2.392	7.00	18.021	2.472	7.00	17.488	2.573
7.70	20.214	2.715	7.70	19.622	2.807	7.70	19.039	2.921
8.40	21.829	3.038	8.40	21.187	3.141	8.40	20.556	3.268
9.10	23.410	3.394	9.10	22.719	3.509	9.10	22.039	3.651
9.80	24.956	3.750	9.80	24.216	3.879	9.80	23.489	4.053
10.50	26.468	4.141	10.50	25.680	4.286	10.50	24.906	4.457
11.20	27.946	4.534	11.20	27.112	4.713	11.20	26.291	4.901
11.90	29.391	4.965	11.90	28.510	5.142	11.90	27.644	5.368
12.60	30.804	5.418	12.60	29.877	5.613	12.60	28.966	5.859
13.30	32.184	5.874	13.30	31.212	6.106	13.30	30.257	6.374
14.00	33.533	6.374	14.00	32.517	6.626	14.00	31.518	6.894
14.70	34.850	6.898	14.70	33.790	7.173	14.70	32.748	7.462
15.40	36.137	7.448	15.40	35.033	7.746	15.40	33.949	8.062
16.10	37.393	8.027	16.10	36.247	8.350	16.10	35.121	8.690
16.80	38.619	8.633	16.80	37.431	8.982	16.80	36.264	9.376
17.50	39.816	9.273	17.50	38.586	9.648	17.50	37.379	10.072
18.20	40.984	9.943	18.20	39.713	10.348	18.20	38.466	10.804
18.90	42.123	10.647	18.90	40.812	11.083	18.90	39.526	11.574
19.60	43.234	11.387	19.60	41.884	11.857	19.60	40.559	12.382
20.30	44.317	12.165	20.30	42.928	12.668	20.30	41.565	13.264

B FACTORS FOR OXYGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
194.00	67.415		193.00	64.766		192.00	62.194	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.70	1.863	0.206	0.60	1.553	0.183	0.60	1.506	0.189
1.40	3.687	0.422	1.20	3.077	0.375	1.20	2.986	0.387
2.10	5.474	0.664	1.80	4.575	0.575	1.80	4.438	0.594
2.80	7.224	0.904	2.40	6.045	0.784	2.40	5.864	0.810
3.50	8.936	1.156	3.00	7.489	1.002	3.00	7.264	1.036
4.20	10.613	1.437	3.60	8.906	1.231	3.60	8.638	1.289
4.90	12.254	1.716	4.20	10.297	1.485	4.20	9.987	1.536
5.60	13.859	2.027	4.80	11.663	1.735	4.80	11.310	1.794
6.30	15.430	2.336	5.40	13.002	1.995	5.40	12.608	2.064
7.00	16.966	2.679	6.00	14.317	2.285	6.00	13.881	2.364
7.70	18.468	3.022	6.60	15.607	2.569	6.60	15.130	2.660
8.40	19.937	3.400	7.20	16.872	2.867	7.20	16.355	2.987
9.10	21.373	3.779	7.80	18.113	3.196	7.80	17.556	3.310
9.80	22.777	4.197	8.40	19.330	3.520	8.40	18.733	3.666
10.50	24.148	4.637	9.00	20.523	3.879	9.00	19.887	4.018
11.20	25.488	5.098	9.60	21.692	4.233	9.60	21.018	4.408
11.90	26.796	5.563	10.20	22.839	4.623	10.20	22.127	4.792
12.60	28.074	6.074	10.80	23.962	5.010	10.80	23.212	5.217
13.30	29.322	6.609	11.40	25.063	5.435	11.40	24.276	5.659
14.00	30.539	7.173	12.00	26.142	5.858	12.00	25.318	6.099
14.70	31.728	7.767	12.60	27.198	6.321	12.60	26.339	6.583
15.40	32.887	8.391	13.20	28.233	6.806	13.20	27.338	7.087
16.10	34.018	9.047	13.80	29.246	7.311	13.80	28.316	7.615
16.80	35.121	9.764	14.40	30.238	7.815	14.40	29.273	8.141
17.50	36.196	10.491	15.00	31.209	8.366	15.00	30.210	8.716
18.20	37.245	11.254	15.60	32.160	8.942	15.60	31.127	9.318
18.90	38.266	12.060	16.20	33.090	9.544	16.20	32.024	9.945
19.60	39.261	12.937	16.80	34.000	10.173	16.80	32.901	10.603
20.30	40.231	13.829	17.40	34.890	10.828	17.40	33.759	11.291

191.00	59.698		190.00	57.277		189.00	54.930	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.60	1.461	0.211	0.60	1.417	0.202	0.60	1.374	0.225
1.20	2.896	0.416	1.20	2.808	0.430	1.20	2.723	0.444
1.80	4.305	0.630	1.80	4.174	0.651	1.80	4.046	0.674
2.40	5.687	0.854	2.40	5.513	0.883	2.40	5.344	0.914
3.00	7.044	1.088	3.00	6.828	1.143	3.00	6.617	1.183
3.60	8.375	1.350	3.60	8.118	1.397	3.60	7.866	1.446
4.20	9.682	1.607	4.20	9.383	1.663	4.20	9.091	1.740
4.80	10.963	1.875	4.80	10.624	1.959	4.80	10.292	2.029
5.40	12.220	2.174	5.40	11.841	2.250	5.40	11.469	2.351
6.00	13.453	2.467	6.00	13.034	2.574	6.00	12.623	2.667
6.60	14.662	2.792	6.60	14.203	2.893	6.60	13.754	3.019
7.20	15.847	3.114	7.20	15.350	3.246	7.20	14.863	3.366
7.80	17.009	3.469	7.80	16.473	3.596	7.80	15.948	3.750
8.40	18.148	3.821	8.40	17.574	3.981	8.40	17.012	4.152
9.00	19.264	4.208	9.00	18.653	4.364	9.00	18.054	4.549
9.60	20.357	4.592	9.60	19.709	4.785	9.60	19.075	4.989
10.20	21.428	5.015	10.20	20.744	5.226	10.20	20.074	5.449
10.80	22.477	5.457	10.80	21.757	5.687	10.80	21.052	5.929
11.40	23.505	5.897	11.40	22.749	6.145	11.40	22.009	6.407
12.00	24.511	6.379	12.00	23.720	6.648	12.00	22.946	6.933
12.60	25.496	6.884	12.60	24.671	7.175	12.60	23.863	7.483
13.20	26.460	7.411	13.20	25.601	7.726	13.20	24.760	8.057
13.80	27.404	7.963	13.80	26.511	8.302	13.80	25.637	8.659
14.40	28.327	8.539	14.40	27.401	8.903	14.40	26.495	9.290
15.00	29.231	9.115	15.00	28.272	9.534	15.00	27.333	9.948
15.60	30.115	9.743	15.60	29.123	10.194	15.60	28.153	10.638
16.20	30.979	10.402	16.20	29.956	10.882	16.20	28.955	11.360
16.80	31.824	11.119	16.80	30.769	11.602	16.80	29.738	12.146
17.40	32.650	11.841	17.40	31.565	12.359	17.40	30.503	12.937

B FACTORS FOR OXYGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
188.00	52.654		187.00	50.449		186.00	48.313	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.60	1.331	0.233	0.50	1.077	0.189	0.50	1.042	0.195
1.20	2.638	0.460	1.00	2.136	0.385	1.00	2.068	0.398
1.80	3.919	0.697	1.50	3.178	0.588	1.50	3.077	0.609
2.40	5.176	0.964	2.00	4.204	0.800	2.00	4.070	0.848
3.00	6.409	1.225	2.50	5.213	1.020	2.50	5.046	1.077
3.60	7.618	1.516	3.00	6.206	1.268	3.00	6.006	1.314
4.20	8.803	1.803	3.50	7.182	1.507	3.50	6.950	1.562
4.80	9.965	2.122	4.00	8.142	1.754	4.00	7.879	1.839
5.40	11.104	2.437	4.50	9.086	2.012	4.50	8.791	2.107
6.00	12.220	2.786	5.00	10.015	2.300	5.00	9.689	2.385
6.60	13.313	3.131	5.50	10.927	2.578	5.50	10.570	2.696
7.20	14.384	3.512	6.00	11.825	2.867	6.00	11.437	2.997
7.80	15.433	3.912	6.50	12.706	3.189	6.50	12.289	3.333
8.40	16.461	4.309	7.00	13.573	3.502	7.00	13.126	3.659
9.00	17.467	4.746	7.50	14.425	3.850	7.50	13.948	4.021
9.60	18.452	5.204	8.00	15.262	4.188	8.00	14.756	4.373
10.20	19.416	5.683	8.50	16.084	4.562	8.50	15.550	4.764
10.80	20.360	6.185	9.00	16.892	4.928	9.00	16.329	5.145
11.40	21.283	6.710	9.50	17.686	5.332	9.50	17.094	5.567
12.00	22.187	7.233	10.00	18.465	5.727	10.00	17.846	5.980
12.60	23.071	7.806	10.50	19.230	6.163	10.50	18.584	6.434
13.20	23.935	8.408	11.00	19.982	6.589	11.00	19.308	6.907
13.80	24.780	9.065	11.50	20.720	7.058	11.50	20.019	7.400
14.40	25.606	9.726	12.00	21.444	7.548	12.00	20.716	7.882
15.00	26.414	10.416	12.50	22.155	8.056	12.50	21.401	8.414
15.60	27.203	11.138	13.00	22.852	8.554	13.00	22.073	8.965
16.20	27.974	11.895	13.50	23.537	9.102	13.50	22.731	9.539
16.80	28.727	12.690	14.00	24.209	9.671	14.00	23.378	10.105
17.40	29.463	13.551	14.50	24.867	10.262	14.50	24.012	10.725

185.00	46.245		184.00	44.243		183.00	42.307	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.50	1.009	0.202	0.50	0.976	0.209	0.50	0.944	0.217
1.00	2.002	0.431	1.00	1.936	0.427	1.00	1.873	0.463
1.50	2.978	0.651	1.50	2.880	0.654	1.50	2.785	0.699
2.00	3.938	0.879	2.00	3.809	0.911	2.00	3.683	0.945
2.50	4.882	1.116	2.50	4.721	1.157	2.50	4.564	1.222
3.00	5.811	1.383	3.00	5.619	1.413	3.00	5.431	1.488
3.50	6.723	1.640	3.50	6.500	1.701	3.50	6.283	1.788
4.00	7.621	1.908	4.00	7.367	1.979	4.00	7.120	2.078
4.50	8.502	2.207	4.50	8.219	2.291	4.50	7.942	2.402
5.00	9.369	2.497	5.00	9.056	2.592	5.00	8.750	2.716
5.50	10.221	2.821	5.50	9.878	2.929	5.50	9.544	3.067
6.00	11.058	3.135	6.00	10.686	3.255	6.00	10.323	3.407
6.50	11.880	3.484	6.50	11.480	3.619	6.50	11.088	3.787
7.00	12.688	3.824	7.00	12.259	3.973	7.00	11.840	4.156
7.50	13.482	4.201	7.50	13.024	4.366	7.50	12.578	4.566
8.00	14.261	4.569	8.00	13.776	4.749	8.00	13.302	4.994
8.50	15.026	4.977	8.50	14.514	5.174	8.50	14.013	5.439
9.00	15.778	5.375	9.00	15.238	5.616	9.00	14.710	5.873
9.50	16.516	5.815	9.50	15.949	6.077	9.50	15.395	6.355
10.00	17.240	6.273	10.00	16.646	6.526	10.00	16.067	6.855
10.50	17.951	6.750	10.50	17.331	7.024	10.50	16.725	7.375
11.00	18.648	7.216	11.00	18.003	7.541	11.00	17.372	7.887
11.50	19.333	7.731	11.50	18.661	8.079	11.50	18.006	8.451
12.00	20.005	8.266	12.00	19.308	8.609	12.00	18.627	9.037
12.50	20.663	8.822	12.50	19.942	9.191	12.50	19.237	9.648
13.00	21.310	9.370	13.00	20.563	9.796	13.00	19.834	10.283
13.50	21.944	9.971	13.50	21.173	10.426	13.50	20.420	10.945
14.00	22.565	10.596	14.00	21.770	11.081	14.00	20.994	11.634
14.50	23.175	11.247	14.50	22.356	11.764	14.50	21.556	12.352

B FACTORS FOR OXYGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
182.00	40.434		181.00	38.624		180.00	36.876	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.50	0.912	0.225	0.50	0.881	0.255	0.50	0.852	0.264
1.00	1.810	0.460	1.00	1.748	0.499	1.00	1.689	0.518
1.50	2.691	0.725	1.50	2.600	0.775	1.50	2.511	0.805
2.00	3.558	0.980	2.00	3.437	1.040	2.00	3.319	1.081
2.50	4.410	1.268	2.50	4.259	1.340	2.50	4.113	1.392
3.00	5.247	1.545	3.00	5.067	1.629	3.00	4.892	1.692
3.50	6.069	1.857	3.50	5.861	1.953	3.50	5.657	2.030
4.00	6.877	2.158	4.00	6.640	2.267	4.00	6.409	2.357
4.50	7.671	2.495	4.50	7.405	2.619	4.50	7.147	2.723
5.00	8.450	2.822	5.00	8.157	2.960	5.00	7.871	3.105
5.50	9.215	3.187	5.50	8.895	3.341	5.50	8.582	3.503
6.00	9.967	3.542	6.00	9.619	3.738	6.00	9.279	3.889
6.50	10.705	3.937	6.50	10.330	4.152	6.50	9.964	4.321
7.00	11.429	4.349	7.00	11.027	4.554	7.00	10.636	4.771
7.50	12.140	4.778	7.50	11.712	5.003	7.50	11.294	5.239
8.00	12.837	5.196	8.00	12.384	5.469	8.00	11.941	5.697
8.50	13.522	5.661	8.50	13.042	5.955	8.50	12.575	6.205
9.00	14.194	6.143	9.00	13.689	6.431	9.00	13.196	6.734
9.50	14.852	6.646	9.50	14.323	6.958	9.50	13.806	7.285
10.00	15.499	7.140	10.00	14.944	7.506	10.00	14.403	7.860
10.50	16.133	7.684	10.50	15.554	8.077	10.50	14.989	8.459
11.00	16.754	8.251	11.00	16.151	8.672	11.00	15.563	9.084
11.50	17.364	8.841	11.50	16.737	9.292	11.50	16.125	9.734
12.00	17.961	9.456	12.00	17.311	9.939	12.00	16.676	10.413
12.50	18.547	10.097	12.50	17.873	10.612	12.50	17.216	11.118
13.00	19.121	10.764	13.00	18.424	11.313	13.00	17.745	11.855
13.50	19.683	11.459	13.50	18.964	12.042	13.50	18.262	12.661
14.00	20.234	12.182	14.00	19.493	12.804	14.00	18.769	13.463
14.50	20.774	12.934	14.50	20.010	13.635	14.50	19.266	14.297

179.00	35.187		178.00	33.557		177.00	31.984	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.40	0.659	0.205	0.40	0.636	0.213	0.40	0.613	0.246
0.80	1.309	0.440	0.80	1.263	0.458	0.80	1.218	0.476
1.20	1.949	0.660	1.20	1.881	0.686	1.20	1.814	0.713
1.60	2.581	0.888	1.60	2.490	0.923	1.60	2.401	0.960
2.00	3.203	1.123	2.00	3.090	1.167	2.00	2.979	1.241
2.40	3.816	1.391	2.40	3.681	1.446	2.40	3.549	1.505
2.80	4.421	1.643	2.80	4.264	1.709	2.80	4.110	1.805
3.20	5.017	1.903	3.20	4.838	1.980	3.20	4.663	2.088
3.60	5.604	2.172	3.60	5.403	2.288	3.60	5.207	2.382
4.00	6.182	2.478	4.00	5.960	2.578	4.00	5.744	2.714
4.40	6.752	2.766	4.40	6.509	2.907	4.40	6.272	3.028
4.80	7.313	3.092	4.80	7.049	3.219	4.80	6.792	3.383
5.20	7.866	3.401	5.20	7.582	3.541	5.20	7.304	3.719
5.60	8.410	3.720	5.60	8.106	3.904	5.60	7.808	4.099
6.00	8.947	4.079	6.00	8.622	4.249	6.00	8.304	4.460
6.40	9.475	4.421	6.40	9.130	4.636	6.40	8.793	4.865
6.80	9.995	4.803	6.80	9.630	5.006	6.80	9.273	5.253
7.20	10.507	5.169	7.20	10.122	5.420	7.20	9.747	5.687
7.60	11.011	5.578	7.60	10.607	5.816	7.60	10.212	6.101
8.00	11.507	5.969	8.00	11.084	6.258	8.00	10.671	6.565
8.40	11.996	6.406	8.40	11.553	6.715	8.40	11.121	7.044
8.80	12.476	6.825	8.80	12.015	7.155	8.80	11.565	7.505
9.20	12.950	7.291	9.20	12.470	7.644	9.20	12.001	8.018
9.60	13.415	7.739	9.60	12.917	8.150	9.60	12.430	8.548
10.00	13.874	8.236	10.00	13.357	8.636	10.00	12.853	9.059
10.40	14.324	8.751	10.40	13.790	9.177	10.40	13.268	9.627
10.80	14.768	9.247	10.80	14.215	9.736	10.80	13.676	10.215
11.20	15.204	9.797	11.20	14.634	10.273	11.20	14.077	10.821
11.60	15.633	10.365	11.60	15.046	10.871	11.60	14.472	11.409

B FACTORS FOR OXYGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
176.00	30.467		175.00	29.005		174.00	27.597	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.40	0.591	0.256	0.40	0.570	0.240	0.40	0.549	0.277
0.80	1.174	0.495	0.80	1.131	0.515	0.80	1.089	0.536
1.20	1.748	0.742	1.20	1.684	0.772	1.20	1.622	0.805
1.60	2.313	1.026	1.60	2.228	1.039	1.60	2.146	1.112
2.00	2.870	1.291	2.00	2.765	1.344	2.00	2.662	1.401
2.40	3.419	1.594	2.40	3.293	1.631	2.40	3.170	1.730
2.80	3.959	1.879	2.80	3.813	1.958	2.80	3.670	2.041
3.20	4.492	2.175	3.20	4.325	2.265	3.20	4.162	2.394
3.60	5.016	2.510	3.60	4.829	2.615	3.60	4.647	2.727
4.00	5.532	2.827	4.00	5.325	2.946	4.00	5.124	3.105
4.40	6.040	3.186	4.40	5.814	3.320	4.40	5.593	3.497
4.80	6.540	3.526	4.80	6.294	3.676	4.80	6.055	3.870
5.20	7.032	3.909	5.20	6.768	4.077	5.20	6.510	4.290
5.60	7.517	4.274	5.60	7.233	4.458	5.60	6.957	4.725
6.00	7.994	4.684	6.00	7.692	4.887	6.00	7.397	5.140
6.40	8.463	5.109	6.40	8.142	5.332	6.40	7.830	5.606
6.80	8.925	5.515	6.80	8.586	5.756	6.80	8.255	6.089
7.20	9.380	5.970	7.20	9.022	6.232	7.20	8.674	6.550
7.60	9.827	6.440	7.60	9.451	6.725	7.60	9.086	7.067
8.00	10.267	6.891	8.00	9.874	7.197	8.00	9.490	7.603
8.40	10.700	7.394	8.40	10.289	7.725	8.40	9.888	8.159
8.80	11.125	7.915	8.80	10.697	8.272	8.80	10.280	8.691
9.20	11.544	8.415	9.20	11.098	8.836	9.20	10.664	9.287
9.60	11.956	8.973	9.60	11.493	9.381	9.60	11.042	9.902
10.00	12.360	9.550	10.00	11.881	9.988	10.00	11.414	10.541
10.40	12.758	10.148	10.40	12.262	10.614	10.40	11.779	11.201
10.80	13.150	10.723	10.80	12.637	11.264	10.80	12.137	11.887
11.20	13.534	11.363	11.20	13.005	11.936	11.20	12.490	12.595
11.60	13.912	12.023	11.60	13.367	12.631	11.60	12.836	13.330

173.00	26.240		172.00	24.935		171.00	23.680	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.40	0.528	0.260	0.40	0.508	0.301	0.40	0.489	0.314
0.80	1.048	0.558	0.80	1.008	0.582	0.80	0.969	0.607
1.20	1.560	0.838	1.20	1.500	0.905	1.20	1.443	0.944
1.60	2.064	1.159	1.60	1.985	1.208	1.60	1.908	1.261
2.00	2.560	1.460	2.00	2.462	1.555	2.00	2.367	1.623
2.40	3.049	1.803	2.40	2.931	1.914	2.40	2.817	1.998
2.80	3.529	2.128	2.80	3.393	2.254	2.80	3.261	2.353
3.20	4.003	2.496	3.20	3.848	2.640	3.20	3.697	2.756
3.60	4.468	2.845	3.60	4.295	3.040	3.60	4.126	3.175
4.00	4.927	3.240	4.00	4.735	3.420	4.00	4.549	3.572
4.40	5.377	3.650	4.40	5.168	3.849	4.40	4.964	4.022
4.80	5.821	4.039	4.80	5.593	4.295	4.80	5.372	4.489
5.20	6.257	4.479	5.20	6.012	4.718	5.20	5.773	4.972
5.60	6.686	4.934	5.60	6.424	5.196	5.60	6.168	5.433
6.00	7.109	5.369	6.00	6.828	5.691	6.00	6.556	5.953
6.40	7.524	5.857	6.40	7.226	6.205	6.40	6.937	6.491
6.80	7.932	6.363	6.80	7.618	6.696	6.80	7.312	7.051
7.20	8.333	6.887	7.20	8.002	7.247	7.20	7.680	7.629
7.60	8.728	7.390	7.60	8.380	7.818	7.60	8.042	8.230
8.00	9.116	7.953	8.00	8.752	8.411	8.00	8.397	8.854
8.40	9.497	8.534	8.40	9.117	9.024	8.40	8.747	9.499
8.80	9.872	9.139	8.80	9.475	9.661	8.80	9.090	10.169
9.20	10.240	9.764	9.20	9.828	10.320	9.20	9.427	10.866
9.60	10.602	10.411	9.60	10.174	11.003	9.60	9.758	11.586
10.00	10.957	11.084	10.00	10.514	11.712	10.00	10.083	12.333
10.40	11.307	11.779	10.40	10.848	12.449	10.40	10.402	13.109
10.80	11.650	12.500	10.80	11.176	13.210	10.80	10.715	13.913
11.20	11.987	13.250	11.20	11.498	14.000	11.20	11.023	14.747
11.60	12.318	14.024	11.60	11.814	14.819	11.60	11.325	15.610

B FACTORS FOR OXYGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
170.00	22.473		169.00	21.313		168.00	20.200	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.30	0.353	0.228	0.30	0.338	0.238	0.30	0.325	0.248
0.60	0.701	0.462	0.60	0.673	0.517	0.60	0.646	0.540
0.90	1.046	0.737	0.90	1.004	0.769	0.90	0.964	0.804
1.20	1.386	0.985	1.20	1.330	1.029	1.20	1.277	1.075
1.50	1.722	1.241	1.50	1.653	1.296	1.50	1.586	1.392
1.80	2.054	1.503	1.80	1.971	1.607	1.80	1.892	1.680
2.10	2.382	1.809	2.10	2.286	1.890	2.10	2.194	1.976
2.40	2.706	2.087	2.40	2.597	2.181	2.40	2.491	2.320
2.70	3.026	2.373	2.70	2.903	2.480	2.70	2.785	2.634
3.00	3.342	2.667	3.00	3.206	2.827	3.00	3.076	2.957
3.30	3.654	3.007	3.30	3.506	3.144	3.30	3.362	3.330
3.60	3.962	3.318	3.60	3.801	3.470	3.60	3.645	3.673
3.90	4.266	3.638	3.90	4.092	3.846	3.90	3.924	4.026
4.20	4.566	4.007	4.20	4.380	4.192	4.20	4.200	4.431
4.50	4.863	4.346	4.50	4.664	4.589	4.50	4.472	4.805
4.80	5.156	4.694	4.80	4.945	4.955	4.80	4.740	5.234
5.10	5.445	5.093	5.10	5.221	5.331	5.10	5.005	5.629
5.40	5.730	5.462	5.40	5.495	5.762	5.40	5.267	6.082
5.70	6.012	5.841	5.70	5.764	6.160	5.70	5.525	6.502
6.00	6.290	6.274	6.00	6.030	6.616	6.00	5.779	6.980
6.30	6.564	6.675	6.30	6.293	7.038	6.30	6.030	7.425
6.60	6.835	7.130	6.60	6.552	7.517	6.60	6.278	7.931
6.90	7.102	7.555	6.90	6.808	7.965	6.90	6.522	8.402
7.20	7.366	8.037	7.20	7.060	8.473	7.20	6.763	8.937
7.50	7.626	8.487	7.50	7.308	8.945	7.50	7.001	9.435
7.80	7.883	8.994	7.80	7.554	9.482	7.80	7.235	10.001
8.10	8.136	9.470	8.10	7.796	9.982	8.10	7.466	10.529
8.40	8.386	10.007	8.40	8.035	10.549	8.40	7.694	11.126
8.70	8.632	10.509	8.70	8.270	11.078	8.70	7.919	11.687

167.00	19.131		166.00	18.107		165.00	17.124	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.30	0.312	0.297	0.30	0.300	0.271	0.30	0.286	0.325
0.60	0.620	0.565	0.60	0.595	0.551	0.60	0.569	0.618
0.90	0.924	0.840	0.90	0.886	0.879	0.90	0.848	0.920
1.20	1.224	1.163	1.20	1.174	1.176	1.20	1.124	1.274
1.50	1.521	1.456	1.50	1.458	1.523	1.50	1.396	1.595
1.80	1.814	1.757	1.80	1.739	1.839	1.80	1.664	1.970
2.10	2.103	2.108	2.10	2.015	2.163	2.10	1.929	2.311
2.40	2.388	2.427	2.40	2.289	2.541	2.40	2.191	2.708
2.70	2.670	2.757	2.70	2.558	2.886	2.70	2.449	3.071
3.00	2.948	3.138	3.00	2.824	3.286	3.00	2.703	3.491
3.30	3.222	3.487	3.30	3.087	3.653	3.30	2.954	3.877
3.60	3.493	3.890	3.60	3.346	4.076	3.60	3.202	4.322
3.90	3.760	4.261	3.90	3.602	4.465	3.90	3.446	4.731
4.20	4.024	4.687	4.20	3.854	4.913	4.20	3.687	5.203
4.50	4.284	5.080	4.50	4.102	5.325	4.50	3.925	5.638
4.80	4.541	5.531	4.80	4.348	5.800	4.80	4.159	6.138
5.10	4.794	5.948	5.10	4.590	6.237	5.10	4.390	6.599
5.40	5.044	6.425	5.40	4.829	6.739	5.40	4.618	7.127
5.70	5.290	6.866	5.70	5.064	7.204	5.70	4.843	7.619
6.00	5.534	7.371	6.00	5.297	7.735	6.00	5.065	8.178
6.30	5.774	7.839	6.30	5.526	8.228	6.30	5.283	8.754
6.60	6.010	8.373	6.60	5.752	8.789	6.60	5.499	9.293
6.90	6.244	8.869	6.90	5.974	9.314	6.90	5.711	9.903
7.20	6.474	9.434	7.20	6.194	9.907	7.20	5.921	10.531
7.50	6.701	9.960	7.50	6.410	10.518	7.50	6.127	11.119
7.80	6.924	10.556	7.80	6.624	11.090	7.80	6.331	11.784
8.10	7.145	11.171	8.10	6.834	11.739	8.10	6.531	12.470
8.40	7.363	11.745	8.40	7.042	12.405	8.40	6.729	13.113
8.70	7.577	12.394	8.70	7.246	13.031	8.70	6.923	13.839

B FACTORS FOR OXYGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
164.00	16.183		163.00	15.283		162.00	14.421	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.30	0.274	0.297	0.30	0.263	0.312	0.30	0.251	0.327
0.60	0.545	0.647	0.60	0.522	0.678	0.60	0.499	0.711
0.90	0.812	0.963	0.90	0.778	1.010	0.90	0.743	1.059
1.20	1.076	1.334	1.20	1.030	1.399	1.20	0.984	1.467
1.50	1.336	1.671	1.50	1.278	1.752	1.50	1.222	1.838
1.80	1.593	2.064	1.80	1.524	2.164	1.80	1.456	2.271
2.10	1.846	2.422	2.10	1.766	2.540	2.10	1.687	2.667
2.40	2.096	2.839	2.40	2.005	2.978	2.40	1.915	3.126
2.70	2.342	3.220	2.70	2.240	3.378	2.70	2.140	3.548
3.00	2.586	3.661	3.00	2.473	3.843	3.00	2.362	4.036
3.30	2.826	4.066	3.30	2.702	4.269	3.30	2.580	4.539
3.60	3.062	4.535	3.60	2.928	4.761	3.60	2.796	5.003
3.90	3.296	4.965	3.90	3.150	5.215	3.90	3.008	5.537
4.20	3.526	5.461	4.20	3.370	5.736	4.20	3.218	6.087
4.50	3.753	5.919	4.50	3.586	6.274	4.50	3.424	6.596
4.80	3.976	6.444	4.80	3.800	6.771	4.80	3.628	7.181
5.10	4.197	6.986	5.10	4.010	7.343	5.10	3.828	7.783
5.40	4.415	7.488	5.40	4.218	7.930	5.40	4.026	8.343
5.70	4.629	8.061	5.70	4.422	8.477	5.70	4.220	8.982
6.00	4.840	8.595	6.00	4.624	9.100	6.00	4.412	9.641
6.30	5.049	9.202	6.30	4.822	9.742	6.30	4.601	10.257
6.60	5.254	9.830	6.60	5.018	10.342	6.60	4.788	10.956
6.90	5.457	10.414	6.90	5.211	11.023	6.90	4.971	11.678
7.20	5.656	11.078	7.20	5.401	11.726	7.20	5.152	12.422
7.50	5.853	11.761	7.50	5.588	12.449	7.50	5.330	13.189
7.80	6.047	12.466	7.80	5.772	13.128	7.80	5.505	13.907
8.10	6.238	13.127	8.10	5.954	13.896	8.10	5.678	14.721
8.40	6.426	13.873	8.40	6.133	14.685	8.40	5.848	15.560
8.70	6.611	14.640	8.70	6.309	15.500	8.70	6.015	16.423

161.00	13.597		160.00	12.810		159.00	12.059	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.30	0.240	0.343	0.20	0.153	0.256	0.20	0.146	0.268
0.60	0.476	0.746	0.40	0.304	0.517	0.40	0.291	0.543
0.90	0.710	1.111	0.60	0.455	0.783	0.60	0.434	0.823
1.20	0.940	1.540	0.80	0.603	1.055	0.80	0.576	1.109
1.50	1.167	1.930	1.00	0.751	1.334	1.00	0.716	1.402
1.80	1.390	2.385	1.20	0.897	1.618	1.20	0.856	1.757
2.10	1.611	2.855	1.40	1.042	1.908	1.40	0.994	2.063
2.40	1.829	3.285	1.60	1.185	2.204	1.60	1.130	2.376
2.70	2.043	3.784	1.80	1.327	2.506	1.80	1.266	2.695
3.00	2.254	4.242	2.00	1.467	2.816	2.00	1.400	3.021
3.30	2.463	4.771	2.20	1.607	3.188	2.20	1.532	3.354
3.60	2.668	5.319	2.40	1.745	3.511	2.40	1.664	3.694
3.90	2.871	5.823	2.60	1.881	3.841	2.60	1.794	4.042
4.20	3.070	6.404	2.80	2.017	4.177	2.80	1.923	4.459
4.50	3.267	7.003	3.00	2.151	4.521	3.00	2.050	4.822
4.80	3.461	7.620	3.20	2.283	4.873	3.20	2.177	5.193
5.10	3.652	8.194	3.40	2.415	5.230	3.40	2.302	5.573
5.40	3.840	8.850	3.60	2.545	5.597	3.60	2.426	5.959
5.70	4.025	9.525	3.80	2.674	6.033	3.80	2.548	6.355
6.00	4.208	10.223	4.00	2.801	6.415	4.00	2.670	6.824
6.30	4.387	10.875	4.20	2.928	6.805	4.20	2.790	7.238
6.60	4.565	11.617	4.40	3.053	7.204	4.40	2.909	7.659
6.90	4.739	12.382	4.60	3.177	7.611	4.60	3.027	8.091
7.20	4.911	13.168	4.80	3.299	8.027	4.80	3.143	8.530
7.50	5.080	13.982	5.00	3.421	8.517	5.00	3.259	9.050
7.80	5.247	14.818	5.20	3.541	8.951	5.20	3.373	9.509
8.10	5.411	15.609	5.40	3.660	9.393	5.40	3.486	9.980
8.40	5.572	16.500	5.60	3.778	9.846	5.60	3.598	10.458
8.70	5.731	17.417	5.80	3.894	10.307	5.80	3.709	11.021

B FACTORS FOR OXYGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
158.00	11.343		157.00	10.659		156.00	10.009	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.20	0.140	0.339	0.20	0.132	0.297	0.20	0.127	0.313
0.40	0.278	0.628	0.40	0.264	0.600	0.40	0.252	0.632
0.60	0.414	0.923	0.60	0.394	0.911	0.60	0.376	0.959
0.80	0.550	1.225	0.80	0.523	1.289	0.80	0.498	1.293
1.00	0.684	1.534	1.00	0.650	1.614	1.00	0.620	1.700
1.20	0.816	1.849	1.20	0.777	1.946	1.20	0.740	2.051
1.40	0.948	2.171	1.40	0.902	2.286	1.40	0.859	2.409
1.60	1.078	2.500	1.60	1.026	2.633	1.60	0.977	2.775
1.80	1.207	2.898	1.80	1.148	2.988	1.80	1.093	3.149
2.00	1.334	3.243	2.00	1.270	3.416	2.00	1.209	3.601
2.20	1.461	3.595	2.20	1.390	3.787	2.20	1.323	3.993
2.40	1.586	3.954	2.40	1.509	4.166	2.40	1.436	4.394
2.60	1.710	4.321	2.60	1.627	4.555	2.60	1.548	4.804
2.80	1.832	4.697	2.80	1.743	4.951	2.80	1.659	5.295
3.00	1.954	5.146	3.00	1.859	5.426	3.00	1.768	5.725
3.20	2.074	5.539	3.20	1.973	5.840	3.20	1.877	6.163
3.40	2.193	5.939	3.40	2.086	6.264	3.40	1.984	6.612
3.60	2.311	6.350	3.60	2.198	6.697	3.60	2.090	7.146
3.80	2.427	6.768	3.80	2.309	7.212	3.80	2.195	7.615
4.00	2.543	7.266	4.00	2.418	7.666	4.00	2.300	8.094
4.20	2.657	7.703	4.20	2.527	8.128	4.20	2.403	8.585
4.40	2.770	8.150	4.40	2.634	8.602	4.40	2.504	9.166
4.60	2.882	8.606	4.60	2.740	9.162	4.60	2.605	9.679
4.80	2.993	9.145	4.80	2.845	9.656	4.80	2.705	10.203
5.00	3.102	9.624	5.00	2.950	10.161	5.00	2.804	10.823
5.20	3.211	10.111	5.20	3.053	10.679	5.20	2.901	11.372
5.40	3.318	10.610	5.40	3.154	11.287	5.40	2.998	11.933
5.60	3.424	11.195	5.60	3.255	11.827	5.60	3.093	12.592
5.80	3.529	11.715	5.80	3.355	12.378	5.80	3.188	13.178

155.00	9.389		154.00	8.800		153.00	8.241	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.20	0.120	0.329	0.20	0.114	0.347	0.20	0.109	0.367
0.40	0.239	0.666	0.40	0.227	0.703	0.40	0.216	0.742
0.60	0.357	1.011	0.60	0.339	1.066	0.60	0.322	1.201
0.80	0.473	1.363	0.80	0.450	1.510	0.80	0.427	1.595
1.00	0.589	1.793	1.00	0.559	1.892	1.00	0.532	1.998
1.20	0.703	2.162	1.20	0.668	2.282	1.20	0.635	2.411
1.40	0.816	2.541	1.40	0.775	2.682	1.40	0.736	2.912
1.60	0.928	2.927	1.60	0.881	3.166	1.60	0.837	3.345
1.80	1.039	3.394	1.80	0.986	3.584	1.80	0.937	3.788
2.00	1.148	3.800	2.00	1.091	4.013	2.00	1.036	4.324
2.20	1.257	4.214	2.20	1.194	4.452	2.20	1.133	4.789
2.40	1.364	4.638	2.40	1.295	4.979	2.40	1.230	5.264
2.60	1.470	5.147	2.60	1.396	5.438	2.60	1.325	5.836
2.80	1.575	5.591	2.80	1.496	5.908	2.80	1.420	6.335
3.00	1.680	6.045	3.00	1.595	6.472	3.00	1.513	6.846
3.20	1.783	6.510	3.20	1.692	6.965	3.20	1.606	7.456
3.40	1.884	7.064	3.40	1.789	7.468	3.40	1.697	7.992
3.60	1.985	7.550	3.60	1.884	8.069	3.60	1.788	8.540
3.80	2.085	8.047	3.80	1.979	8.597	3.80	1.877	9.192
4.00	2.184	8.638	4.00	2.072	9.137	4.00	1.966	9.767
4.20	2.281	9.159	4.20	2.165	9.778	4.20	2.053	10.448
4.40	2.378	9.691	4.40	2.256	10.344	4.40	2.140	11.051
4.60	2.473	10.321	4.60	2.347	10.923	4.60	2.226	11.668
4.80	2.568	10.878	4.80	2.436	11.607	4.80	2.310	12.396
5.00	2.661	11.448	5.00	2.525	12.213	5.00	2.394	13.042
5.20	2.754	12.119	5.20	2.612	12.927	5.20	2.477	13.803
5.40	2.845	12.716	5.40	2.699	13.563	5.40	2.558	14.481
5.60	2.936	13.326	5.60	2.785	14.214	5.60	2.639	15.175
5.80	3.025	14.042	5.80	2.869	14.976	5.80	2.719	15.988

B FACTORS FOR OXYGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
152.00	7.709		151.00	7.205		150.00	6.728	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.20	0.103	0.387	0.20	0.097	0.409	0.20	0.093	0.520
0.40	0.204	0.862	0.40	0.194	0.829	0.40	0.184	0.965
0.60	0.305	1.269	0.60	0.289	1.342	0.60	0.275	1.420
0.80	0.405	1.685	0.80	0.384	1.783	0.80	0.364	1.977
1.00	0.504	2.193	1.00	0.477	2.234	1.00	0.453	2.457
1.20	0.601	2.631	1.20	0.570	2.783	1.20	0.540	3.040
1.40	0.698	3.079	1.40	0.661	3.258	1.40	0.627	3.544
1.60	0.793	3.622	1.60	0.752	3.744	1.60	0.713	4.061
1.80	0.888	4.092	1.80	0.841	4.332	1.80	0.797	4.686
2.00	0.981	4.574	2.00	0.930	4.842	2.00	0.881	5.229
2.20	1.074	5.154	2.20	1.017	5.458	2.20	0.964	5.884
2.40	1.165	5.659	2.40	1.104	5.994	2.40	1.045	6.456
2.60	1.256	6.177	2.60	1.190	6.544	2.60	1.126	7.041
2.80	1.345	6.797	2.80	1.274	7.202	2.80	1.206	7.742
3.00	1.434	7.341	3.00	1.358	7.779	3.00	1.285	8.356
3.20	1.521	7.989	3.20	1.441	8.469	3.20	1.364	9.090
3.40	1.608	8.560	3.40	1.522	9.075	3.40	1.441	9.737
3.60	1.694	9.143	3.60	1.603	9.696	3.60	1.517	10.507
3.80	1.778	9.837	3.80	1.683	10.433	3.80	1.593	11.184
4.00	1.862	10.449	4.00	1.762	11.083	4.00	1.667	11.990
4.20	1.945	11.175	4.20	1.841	11.855	4.20	1.741	12.704
4.40	2.026	11.818	4.40	1.918	12.540	4.40	1.814	13.546
4.60	2.107	12.476	4.60	1.994	13.348	4.60	1.886	14.297
4.80	2.187	13.251	4.80	2.070	14.065	4.80	1.957	15.178
5.00	2.266	13.939	5.00	2.144	14.911	5.00	2.028	15.966
5.20	2.345	14.751	5.20	2.218	15.665	5.20	2.097	16.892
5.40	2.422	15.475	5.40	2.291	16.548	5.40	2.166	17.718
5.60	2.498	16.324	5.60	2.363	17.340	5.60	2.234	18.688
5.80	2.574	17.081	5.80	2.434	18.265	5.80	2.301	19.554

149.00	6.275		148.00	5.847		147.00	5.443	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.20	0.087	0.550	0.20	0.083	0.583	0.20	0.079	0.619
0.40	0.174	1.022	0.40	0.164	1.083	0.40	0.156	1.150
0.60	0.260	1.505	0.60	0.245	1.596	0.60	0.232	1.800
0.80	0.344	2.095	0.80	0.325	2.222	0.80	0.308	2.359
1.00	0.428	2.604	1.00	0.404	2.762	1.00	0.382	3.042
1.20	0.511	3.223	1.20	0.483	3.419	1.20	0.456	3.632
1.40	0.592	3.758	1.40	0.560	3.988	1.40	0.529	4.348
1.60	0.673	4.307	1.60	0.636	4.678	1.60	0.601	4.970
1.80	0.753	4.971	1.80	0.712	5.276	1.80	0.672	5.721
2.00	0.832	5.547	2.00	0.786	6.000	2.00	0.743	6.377
2.20	0.911	6.243	2.20	0.860	6.631	2.20	0.812	7.167
2.40	0.988	6.851	2.40	0.933	7.388	2.40	0.881	7.856
2.60	1.064	7.580	2.60	1.005	8.053	2.60	0.949	8.685
2.80	1.140	8.218	2.80	1.076	8.847	2.80	1.016	9.412
3.00	1.214	8.982	3.00	1.147	9.547	3.00	1.083	10.282
3.20	1.288	9.655	3.20	1.216	10.382	3.20	1.148	11.047
3.40	1.361	10.454	3.40	1.285	11.116	3.40	1.213	11.959
3.60	1.433	11.162	3.60	1.353	11.992	3.60	1.277	12.895
3.80	1.504	12.000	3.80	1.420	12.765	3.80	1.340	13.723
4.00	1.575	12.743	4.00	1.487	13.683	4.00	1.402	14.705
4.20	1.644	13.623	4.20	1.552	14.496	4.20	1.464	15.577
4.40	1.713	14.403	4.40	1.617	15.457	4.40	1.525	16.606
4.60	1.781	15.326	4.60	1.681	16.444	4.60	1.585	17.661
4.80	1.848	16.145	4.80	1.744	17.322	4.80	1.644	18.606
5.00	1.915	17.112	5.00	1.806	18.358	5.00	1.703	19.713
5.20	1.980	17.974	5.20	1.868	19.281	5.20	1.761	20.704
5.40	2.045	18.984	5.40	1.929	20.364	5.40	1.818	21.866
5.60	2.109	20.023	5.60	1.989	21.474	5.60	1.875	23.057
5.80	2.172	20.952	5.80	2.048	22.475	5.80	1.930	24.132

B FACTORS FOR OXYGEN

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
146.00	5.061		145.00	4.700		144.00	4.360	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.10	0.037	0.218	0.10	0.035	0.347	0.10	0.032	0.369
0.20	0.074	0.548	0.20	0.069	0.699	0.20	0.065	0.620
0.30	0.111	0.882	0.30	0.104	1.055	0.30	0.097	0.998
0.40	0.147	1.221	0.40	0.138	1.298	0.40	0.130	1.382
0.50	0.183	1.452	0.50	0.172	1.664	0.50	0.162	1.771
0.60	0.219	1.799	0.60	0.206	2.034	0.60	0.194	2.165
0.70	0.255	2.151	0.70	0.240	2.408	0.70	0.225	2.436
0.80	0.290	2.507	0.80	0.273	2.667	0.80	0.257	2.839
0.90	0.326	2.752	0.90	0.306	3.051	0.90	0.288	3.249
1.00	0.361	3.117	1.00	0.340	3.440	1.00	0.319	3.663
1.10	0.396	3.486	1.10	0.372	3.833	1.10	0.350	4.083
1.20	0.430	3.860	1.20	0.405	4.108	1.20	0.381	4.376
1.30	0.465	4.239	1.30	0.437	4.512	1.30	0.411	4.807
1.40	0.499	4.504	1.40	0.470	4.920	1.40	0.442	5.243
1.50	0.533	4.892	1.50	0.502	5.335	1.50	0.472	5.685
1.60	0.567	5.285	1.60	0.534	5.755	1.60	0.502	6.132
1.70	0.601	5.682	1.70	0.565	6.051	1.70	0.532	6.449
1.80	0.634	5.964	1.80	0.597	6.480	1.80	0.561	6.908
1.90	0.667	6.371	1.90	0.628	6.916	1.90	0.591	7.372
2.00	0.701	6.784	2.00	0.659	7.358	2.00	0.620	7.844
2.10	0.733	7.201	2.10	0.690	7.804	2.10	0.649	8.321
2.20	0.766	7.500	2.20	0.721	8.123	2.20	0.678	8.662
2.30	0.798	7.928	2.30	0.751	8.582	2.30	0.707	9.152
2.40	0.831	8.361	2.40	0.782	9.044	2.40	0.735	9.646
2.50	0.863	8.800	2.50	0.812	9.514	2.50	0.763	10.149
2.60	0.895	9.245	2.60	0.842	9.989	2.60	0.792	10.656
2.70	0.926	9.566	2.70	0.872	10.334	2.70	0.820	11.172
2.80	0.958	10.021	2.80	0.901	10.822	2.80	0.847	11.547
2.90	0.989	10.482	2.90	0.931	11.314	2.90	0.875	12.074

143.00	4.041		142.00	3.740		141.00	3.458	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.10	0.031	0.393	0.10	0.029	0.420	0.10	0.028	0.448
0.20	0.062	0.660	0.20	0.058	0.704	0.20	0.055	0.902
0.30	0.092	1.064	0.30	0.087	1.134	0.30	0.082	1.363
0.40	0.123	1.472	0.40	0.115	1.571	0.40	0.109	1.677
0.50	0.153	1.887	0.50	0.143	2.013	0.50	0.135	2.150
0.60	0.183	2.307	0.60	0.172	2.461	0.60	0.162	2.629
0.70	0.213	2.596	0.70	0.200	2.916	0.70	0.188	3.114
0.80	0.242	3.027	0.80	0.227	3.230	0.80	0.214	3.607
0.90	0.272	3.463	0.90	0.255	3.696	0.90	0.240	4.107
1.00	0.301	3.905	1.00	0.282	4.169	1.00	0.266	4.613
1.10	0.330	4.354	1.10	0.310	4.647	1.10	0.291	4.966
1.20	0.359	4.667	1.20	0.337	5.133	1.20	0.317	5.486
1.30	0.388	5.126	1.30	0.364	5.625	1.30	0.342	6.012
1.40	0.416	5.592	1.40	0.391	5.971	1.40	0.367	6.547
1.50	0.444	6.064	1.50	0.417	6.475	1.50	0.392	7.088
1.60	0.473	6.542	1.60	0.444	6.987	1.60	0.417	7.638
1.70	0.501	7.027	1.70	0.470	7.505	1.70	0.441	8.194
1.80	0.528	7.371	1.80	0.496	8.032	1.80	0.466	8.590
1.90	0.556	7.868	1.90	0.522	8.564	1.90	0.490	9.161
2.00	0.583	8.372	2.00	0.548	9.105	2.00	0.514	9.739
2.10	0.611	8.881	2.10	0.573	9.491	2.10	0.538	10.327
2.20	0.638	9.399	2.20	0.599	10.045	2.20	0.562	10.921
2.30	0.665	9.922	2.30	0.624	10.606	2.30	0.585	11.525
2.40	0.692	10.300	2.40	0.649	11.175	2.40	0.609	12.136
2.50	0.718	10.837	2.50	0.674	11.751	2.50	0.632	12.755
2.60	0.745	11.382	2.60	0.699	12.337	2.60	0.655	13.206
2.70	0.771	11.933	2.70	0.723	12.929	2.70	0.678	13.841
2.80	0.797	12.492	2.80	0.748	13.361	2.80	0.701	14.487
2.90	0.823	13.058	2.90	0.772	13.968	2.90	0.724	15.140

Appendix F: B-factors for refrigerant 114, calculated from eq (5).

B FACTORS FOR REFRIGERANT 114

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
750.00	454.906		745.00	432.903		740.00	412.077	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
2.00	8.950	0.227	2.10	8.882	0.155	2.20	8.828	0.140
4.00	17.702	0.434	4.20	17.568	0.315	4.40	17.466	0.289
6.00	26.258	0.638	6.30	26.067	0.482	6.60	25.920	0.448
8.00	34.631	0.844	8.40	34.389	0.656	8.80	34.201	0.616
10.00	42.829	1.055	10.50	42.541	0.840	11.00	42.314	0.794
12.00	50.863	1.274	12.60	50.531	1.034	13.20	50.266	0.983
14.00	58.738	1.502	14.70	58.366	1.238	15.40	58.062	1.185
16.00	66.461	1.740	16.80	66.050	1.454	17.60	65.707	1.399
18.00	74.038	1.990	18.90	73.590	1.681	19.80	73.207	1.627
20.00	81.475	2.252	21.00	80.988	1.922	22.00	80.564	1.870
22.00	88.778	2.527	23.10	88.250	2.176	24.20	87.784	2.129
24.00	95.948	2.815	25.20	95.381	2.446	26.40	94.870	2.402
26.00	102.991	3.120	27.30	102.382	2.733	28.60	101.825	2.693
28.00	109.911	3.439	29.40	109.259	3.035	30.80	108.652	3.002
30.00	116.710	3.777	31.50	116.015	3.354	33.00	115.356	3.330
32.00	123.393	4.135	33.60	122.651	3.691	35.20	121.938	3.679
34.00	129.962	4.510	35.70	129.171	4.049	37.40	128.400	4.048
36.00	136.420	4.904	37.80	135.578	4.426	39.60	134.746	4.441
38.00	142.770	5.320	39.90	141.873	4.826	41.80	140.979	4.857
40.00	149.014	5.759	42.00	148.060	5.250	44.00	147.100	5.298
42.00	155.154	6.221	44.10	154.140	5.697	46.20	153.111	5.765
44.00	161.192	6.709	46.20	160.116	6.170	48.40	159.014	6.261
46.00	167.130	7.223	48.30	165.991	6.669	50.60	164.812	6.787
48.00	172.971	7.767	50.40	171.764	7.197	52.80	170.506	7.342
50.00	178.717	8.339	52.50	177.438	7.755	55.00	176.099	7.932
52.00	184.369	8.942	54.60	183.015	8.345	57.20	181.591	8.556
54.00	189.929	9.577	56.70	188.498	8.968	59.40	186.985	9.219
56.00	195.398	10.247	58.80	193.887	9.626	61.60	192.282	9.921
58.00	200.778	10.954	60.90	199.184	10.321	63.80	197.483	10.665

735.00	392.288		730.00	373.431		725.00	355.421	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
2.20	8.407	0.132	2.20	8.025	0.127	2.20	7.672	0.127
4.40	16.641	0.273	4.40	15.892	0.264	4.40	15.198	0.263
6.60	24.710	0.423	6.60	23.605	0.411	6.60	22.581	0.410
8.80	32.619	0.583	8.80	31.169	0.568	8.80	29.825	0.568
11.00	40.373	0.753	11.00	38.591	0.736	11.00	36.935	0.736
13.20	47.978	0.935	13.20	45.873	0.917	13.20	43.914	0.916
15.40	55.438	1.130	15.40	53.019	1.109	15.40	50.765	1.109
17.60	62.758	1.338	17.60	60.033	1.313	17.60	57.491	1.315
19.80	69.941	1.559	19.80	66.919	1.532	19.80	64.094	1.534
22.00	76.991	1.794	22.00	73.678	1.765	22.00	70.578	1.768
24.20	83.911	2.045	24.20	80.315	2.013	24.20	76.945	2.017
26.40	90.705	2.311	26.40	86.831	2.277	26.40	83.198	2.282
28.60	97.374	2.594	28.60	93.230	2.558	28.60	89.339	2.565
30.80	103.923	2.895	30.80	99.513	2.856	30.80	95.370	2.865
33.00	110.353	3.215	33.00	105.685	3.173	33.00	101.293	3.184
35.20	116.669	3.555	35.20	111.746	3.511	35.20	107.109	3.523
37.40	122.871	3.915	37.40	117.698	3.869	37.40	112.822	3.882
39.60	128.962	4.298	39.60	123.543	4.248	39.60	118.433	4.264
41.80	134.943	4.703	41.80	129.284	4.651	41.80	123.944	4.669
44.00	140.817	5.134	44.00	134.923	5.078	44.00	129.356	5.100
46.20	146.586	5.590	46.20	140.461	5.531	46.20	134.670	5.557
48.40	152.253	6.073	48.40	145.899	6.012	48.40	139.888	6.041
50.60	157.818	6.586	50.60	151.240	6.522	50.60	145.013	6.554
52.80	163.283	7.129	52.80	156.484	7.063	52.80	150.045	7.098
55.00	168.650	7.705	55.00	161.634	7.636	55.00	154.986	7.673
57.20	173.921	8.316	57.20	166.692	8.241	57.20	159.836	8.282
59.40	179.097	8.963	59.40	171.657	8.883	59.40	164.598	8.928
61.60	184.179	9.647	61.60	176.532	9.562	61.60	169.274	9.613
63.80	189.169	10.372	63.80	181.318	10.281	63.80	173.863	10.337

B FACTORS FOR REFRIGERANT 114

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
720.00	338.196		715.00	321.702		710.00	305.893	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
2.20	7.345	0.129	2.20	7.038	0.130	2.20	6.748	0.134
4.40	14.553	0.267	4.40	13.947	0.271	4.40	13.374	0.279
6.60	21.627	0.415	6.60	20.729	0.422	6.60	19.879	0.434
8.80	28.570	0.574	8.80	27.388	0.585	8.80	26.267	0.600
11.00	35.387	0.745	11.00	33.926	0.759	11.00	32.541	0.779
13.20	42.079	0.927	13.20	40.346	0.944	13.20	38.703	0.970
15.40	48.649	1.122	15.40	46.650	1.143	15.40	44.753	1.174
17.60	55.101	1.331	17.60	52.842	1.356	17.60	50.695	1.392
19.80	61.436	1.553	19.80	58.923	1.583	19.80	56.531	1.625
22.00	67.659	1.790	22.00	64.894	1.825	22.00	62.263	1.873
24.20	73.770	2.042	24.20	70.759	2.082	24.20	67.892	2.137
26.40	79.771	2.312	26.40	76.519	2.357	26.40	73.421	2.419
28.60	85.665	2.598	28.60	82.176	2.648	28.60	78.851	2.718
30.80	91.452	2.902	30.80	87.732	2.959	30.80	84.182	3.038
33.00	97.138	3.225	33.00	93.189	3.289	33.00	89.418	3.377
35.20	102.721	3.569	35.20	98.547	3.640	35.20	94.560	3.738
37.40	108.205	3.934	37.40	103.809	4.014	37.40	99.609	4.120
39.60	113.590	4.322	39.60	108.976	4.410	39.60	104.566	4.527
41.80	118.878	4.734	41.80	114.050	4.830	41.80	109.432	4.958
44.00	124.070	5.171	44.00	119.032	5.276	44.00	114.210	5.415
46.20	129.170	5.634	46.20	123.923	5.748	46.20	118.902	5.901
48.40	134.177	6.125	48.40	128.725	6.249	48.40	123.507	6.416
50.60	139.092	6.645	50.60	133.439	6.781	50.60	128.026	6.958
52.80	143.918	7.197	52.80	138.068	7.345	52.80	132.461	7.535
55.00	148.657	7.780	55.00	142.610	7.939	55.00	136.814	8.150
57.20	153.309	8.401	57.20	147.069	8.570	57.20	141.085	8.798
59.40	157.875	9.055	59.40	151.443	9.240	59.40	145.276	9.484
61.60	162.356	9.746	61.60	155.737	9.947	61.60	149.387	10.210
63.80	166.753	10.480	63.80	159.950	10.696	63.80	153.420	10.982

705.00	290.733		700.00	276.189		695.00	262.231	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
2.10	6.181	0.131	2.10	5.933	0.136	2.10	5.693	0.142
4.20	12.257	0.273	4.20	11.763	0.283	4.20	11.289	0.294
6.30	18.228	0.424	6.30	17.494	0.440	6.30	16.789	0.456
8.40	24.098	0.586	8.40	23.126	0.607	8.40	22.196	0.630
10.50	29.866	0.759	10.50	28.663	0.786	10.50	27.510	0.815
12.60	35.536	0.944	12.60	34.105	0.977	12.60	32.734	1.013
14.70	41.109	1.141	14.70	39.454	1.180	14.70	37.868	1.225
16.80	46.586	1.350	16.80	44.712	1.397	16.80	42.913	1.450
18.90	51.971	1.573	18.90	49.880	1.628	18.90	47.872	1.689
21.00	57.264	1.810	21.00	54.959	1.874	21.00	52.745	1.944
23.10	62.466	2.063	23.10	59.951	2.135	23.10	57.535	2.215
25.20	67.578	2.331	25.20	64.856	2.412	25.20	62.241	2.502
27.30	72.603	2.616	27.30	69.678	2.707	27.30	66.865	2.807
29.40	77.541	2.918	29.40	74.416	3.019	29.40	71.408	3.131
31.50	82.395	3.238	31.50	79.070	3.350	31.50	75.874	3.475
33.60	87.164	3.578	33.60	83.645	3.701	33.60	80.260	3.839
35.70	91.850	3.938	35.70	88.139	4.073	35.70	84.568	4.222
37.80	96.455	4.318	37.80	92.556	4.468	37.80	88.800	4.630
39.90	100.980	4.722	39.90	96.894	4.884	39.90	92.956	5.065
42.00	105.427	5.149	42.00	101.155	5.324	42.00	97.039	5.522
44.10	109.794	5.601	44.10	105.339	5.791	44.10	101.048	6.005
46.20	114.084	6.075	46.20	109.450	6.284	46.20	104.984	6.517
48.30	118.297	6.580	48.30	113.487	6.806	48.30	108.849	7.060
50.40	122.437	7.117	50.40	117.451	7.360	50.40	112.644	7.632
52.50	126.501	7.681	52.50	121.343	7.945	52.50	116.368	8.238
54.60	130.493	8.277	54.60	125.165	8.562	54.60	120.025	8.881
56.70	134.412	8.907	56.70	128.915	9.214	56.70	123.612	9.558
58.80	138.261	9.575	58.80	132.598	9.904	58.80	127.133	10.274
60.90	142.038	10.277	60.90	136.211	10.633	60.90	130.588	11.029

B FACTORS FOR REFRIGERANT 114

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
690.00	248.836		685.00	235.978		680.00	223.638	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
2.00	5.207	0.140	2.00	4.998	0.146	1.90	4.557	0.145
4.00	10.328	0.290	4.00	9.913	0.302	3.80	9.044	0.299
6.00	15.367	0.449	6.00	14.748	0.469	5.70	13.460	0.463
8.00	20.323	0.620	8.00	19.504	0.647	7.60	17.808	0.638
10.00	25.198	0.801	10.00	24.182	0.836	9.50	22.088	0.823
12.00	29.994	0.994	12.00	28.783	1.037	11.40	26.299	1.019
14.00	34.710	1.199	14.00	33.309	1.251	13.30	30.445	1.226
16.00	39.350	1.417	16.00	37.759	1.478	15.20	34.525	1.446
18.00	43.913	1.648	18.00	42.135	1.719	17.10	38.542	1.680
20.00	48.401	1.894	20.00	46.439	1.974	19.00	42.493	1.925
22.00	52.814	2.153	22.00	50.672	2.245	20.90	46.381	2.183
24.00	57.154	2.429	24.00	54.833	2.532	22.80	50.206	2.458
26.00	61.423	2.720	26.00	58.924	2.833	24.70	53.970	2.750
28.00	65.620	3.029	28.00	62.946	3.154	26.60	57.673	3.056
30.00	69.745	3.354	30.00	66.900	3.496	28.50	61.316	3.378
32.00	73.802	3.699	32.00	70.786	3.855	30.40	64.900	3.721
34.00	77.789	4.063	34.00	74.606	4.234	32.30	68.424	4.081
36.00	81.709	4.448	36.00	78.359	4.635	34.20	71.891	4.461
38.00	85.562	4.855	38.00	82.048	5.060	36.10	75.299	4.860
40.00	89.349	5.286	40.00	85.674	5.507	38.00	78.651	5.281
42.00	93.069	5.739	42.00	89.235	5.981	39.90	81.948	5.726
44.00	96.727	6.220	44.00	92.734	6.481	41.80	85.188	6.194
46.00	100.319	6.724	46.00	96.170	7.009	43.70	88.373	6.687
48.00	103.850	7.257	48.00	99.546	7.566	45.60	91.505	7.205
50.00	107.318	7.821	50.00	102.862	8.152	47.50	94.582	7.749
52.00	110.724	8.415	52.00	106.118	8.770	49.40	97.607	8.323
54.00	114.070	9.041	54.00	109.315	9.423	51.30	100.579	8.925
56.00	117.356	9.700	56.00	112.454	10.108	53.20	103.499	9.561
58.00	120.581	10.393	58.00	115.535	10.835	55.10	106.368	10.232

675.00	211.797		670.00	200.435		665.00	189.539	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
1.90	4.373	0.152	1.80	3.975	0.150	1.80	3.813	0.158
3.80	8.678	0.313	3.60	7.891	0.309	3.60	7.568	0.325
5.70	12.914	0.485	5.40	11.748	0.478	5.40	11.265	0.500
7.60	17.084	0.667	7.20	15.549	0.657	7.20	14.907	0.688
9.50	21.188	0.860	9.00	19.290	0.846	9.00	18.492	0.885
11.40	25.228	1.065	10.80	22.975	1.044	10.80	22.023	1.095
13.30	29.203	1.282	12.60	26.604	1.255	12.60	25.500	1.316
15.20	33.114	1.511	14.40	30.177	1.478	14.40	28.923	1.549
17.10	36.963	1.754	16.20	33.696	1.713	16.20	32.292	1.795
19.00	40.749	2.011	18.00	37.161	1.960	18.00	35.609	2.056
20.90	44.475	2.283	19.80	40.572	2.223	19.80	38.875	2.330
22.80	48.140	2.570	21.60	43.930	2.498	21.60	42.088	2.619
24.70	51.745	2.874	23.40	47.235	2.789	23.40	45.251	2.924
26.60	55.291	3.193	25.20	50.490	3.094	25.20	48.365	3.245
28.50	58.779	3.533	27.00	53.692	3.416	27.00	51.427	3.584
30.40	62.209	3.888	28.80	56.844	3.756	28.80	54.441	3.939
32.30	65.582	4.265	30.60	59.945	4.113	30.60	57.406	4.313
34.20	68.899	4.663	32.40	62.997	4.489	32.40	60.323	4.706
36.10	72.159	5.082	34.20	66.000	4.883	34.20	63.193	5.120
38.00	75.364	5.523	36.00	68.955	5.297	36.00	66.015	5.553
39.90	78.516	5.987	37.80	71.861	5.732	37.80	68.790	6.013
41.80	81.613	6.476	39.60	74.720	6.190	39.60	71.520	6.494
43.70	84.658	6.991	41.40	77.532	6.670	41.40	74.204	6.998
45.60	87.649	7.532	43.20	80.297	7.177	43.20	76.843	7.531
47.50	90.588	8.105	45.00	83.016	7.709	45.00	79.437	8.089
49.40	93.476	8.705	46.80	85.690	8.265	46.80	81.987	8.674
51.30	96.313	9.337	48.60	88.319	8.851	48.60	84.493	9.288
53.20	99.100	10.004	50.40	90.903	9.467	50.40	86.956	9.933
55.10	101.837	10.705	52.20	93.444	10.111	52.20	89.376	10.614

B FACTORS FOR REFRIGERANT 114

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
660.00	179.091		655.00	169.079		650.00	159.488	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
1.70	3.452	0.155	1.70	3.308	0.163	1.70	3.167	0.171
3.40	6.854	0.319	3.40	6.567	0.335	3.40	6.287	0.354
5.10	10.208	0.495	5.10	9.779	0.519	5.10	9.362	0.545
6.80	13.513	0.678	6.80	12.943	0.711	6.80	12.390	0.748
8.50	16.770	0.870	8.50	16.061	0.915	8.50	15.374	0.963
10.20	19.979	1.076	10.20	19.133	1.128	10.20	18.313	1.189
11.90	23.140	1.289	11.90	22.159	1.354	11.90	21.206	1.427
13.60	26.255	1.517	13.60	25.139	1.593	13.60	24.057	1.677
15.30	29.324	1.753	15.30	28.076	1.844	15.30	26.863	1.940
17.00	32.347	2.005	17.00	30.967	2.108	17.00	29.627	2.217
18.70	35.326	2.269	18.70	33.814	2.385	18.70	32.349	2.508
20.40	38.259	2.547	20.40	36.619	2.676	20.40	35.027	2.814
22.10	41.148	2.839	22.10	39.380	2.982	22.10	37.665	3.138
23.80	43.993	3.145	23.80	42.099	3.303	23.80	40.260	3.476
25.50	46.794	3.466	25.50	44.775	3.640	25.50	42.815	3.834
27.20	49.553	3.803	27.20	47.410	3.997	27.20	45.330	4.206
28.90	52.270	4.157	28.90	50.003	4.368	28.90	47.805	4.599
30.60	54.943	4.527	30.60	52.556	4.762	30.60	50.240	5.013
32.30	57.576	4.920	32.30	55.068	5.170	32.30	52.636	5.446
34.00	60.167	5.327	34.00	57.541	5.601	34.00	54.992	5.900
35.70	62.717	5.758	35.70	59.973	6.054	35.70	57.311	6.375
37.40	65.227	6.207	37.40	62.367	6.529	37.40	59.591	6.877
39.10	67.697	6.678	39.10	64.721	7.025	39.10	61.834	7.399
40.80	70.127	7.174	40.80	67.038	7.545	40.80	64.040	7.950
42.50	72.518	7.692	42.50	69.315	8.094	42.50	66.208	8.529
44.20	74.871	8.235	44.20	71.556	8.663	44.20	68.340	9.129
45.90	77.185	8.803	45.90	73.760	9.264	45.90	70.436	9.763
47.60	79.460	9.403	47.60	75.926	9.895	47.60	72.495	10.427
49.30	81.699	10.023	49.30	78.056	10.550	49.30	74.521	11.122

645.00	150.305		640.00	141.518		635.00	133.116	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
1.60	2.854	0.171	1.60	2.729	0.180	1.50	2.448	0.177
3.20	5.668	0.351	3.20	5.420	0.369	3.00	4.862	0.362
4.80	8.443	0.540	4.80	8.073	0.568	4.50	7.243	0.557
6.40	11.177	0.739	6.40	10.688	0.777	6.00	9.592	0.761
8.00	13.873	0.949	8.00	13.263	0.997	7.50	11.908	0.978
9.60	16.530	1.168	9.60	15.803	1.228	9.00	14.192	1.202
11.20	19.150	1.399	11.20	18.304	1.470	10.50	16.444	1.440
12.80	21.730	1.641	12.80	20.769	1.728	12.00	18.665	1.685
14.40	24.274	1.895	14.40	23.198	1.996	13.50	20.855	1.945
16.00	26.780	2.161	16.00	25.590	2.279	15.00	23.014	2.217
17.60	29.250	2.444	17.60	27.946	2.574	16.50	25.142	2.500
19.20	31.683	2.737	19.20	30.268	2.884	18.00	27.239	2.797
20.80	34.080	3.047	20.80	32.554	3.210	19.50	29.307	3.108
22.40	36.440	3.369	22.40	34.806	3.552	21.00	31.345	3.432
24.00	38.767	3.708	24.00	37.023	3.910	22.50	33.352	3.774
25.60	41.057	4.064	25.60	39.206	4.283	24.00	35.332	4.127
27.20	43.313	4.437	27.20	41.355	4.678	25.50	37.282	4.499
28.80	45.534	4.826	28.80	43.471	5.089	27.00	39.203	4.888
30.40	47.722	5.232	30.40	45.555	5.520	28.50	41.095	5.293
32.00	49.875	5.661	32.00	47.604	5.972	30.00	42.959	5.713
33.60	51.995	6.108	33.60	49.622	6.444	31.50	44.796	6.156
35.20	54.083	6.575	35.20	51.607	6.936	33.00	46.604	6.618
36.80	56.137	7.066	36.80	53.561	7.454	34.50	48.386	7.100
38.40	58.159	7.578	38.40	55.484	7.996	36.00	50.139	7.606
40.00	60.148	8.110	40.00	57.375	8.566	37.50	51.867	8.131
41.60	62.106	8.671	41.60	59.235	9.159	39.00	53.567	8.677
43.20	64.032	9.257	43.20	61.065	9.778	40.50	55.241	9.253
44.80	65.927	9.872	44.80	62.865	10.429	42.00	56.888	9.847
46.40	67.791	10.514	46.40	64.634	11.108	43.50	58.510	10.474

B FACTORS FOR REFRIGERANT 114

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
630.00	125.087		625.00	117.420		620.00	110.103	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
1.50	2.338	0.187	1.40	2.084	0.183	1.40	1.988	0.193
3.00	4.643	0.384	2.80	4.140	0.376	2.80	3.948	0.397
4.50	6.917	0.590	4.20	6.170	0.577	4.20	5.882	0.612
6.00	9.159	0.807	5.60	8.172	0.789	5.60	7.791	0.833
7.50	11.369	1.033	7.00	10.148	1.011	7.00	9.673	1.069
9.00	13.549	1.271	8.40	12.096	1.240	8.40	11.530	1.314
10.50	15.697	1.522	9.80	14.020	1.481	9.80	13.362	1.567
12.00	17.815	1.784	11.20	15.918	1.733	11.20	15.168	1.835
13.50	19.902	2.056	12.60	17.789	1.999	12.60	16.950	2.116
15.00	21.960	2.342	14.00	19.635	2.272	14.00	18.706	2.404
16.50	23.988	2.644	15.40	21.456	2.559	15.40	20.438	2.708
18.00	25.986	2.960	16.80	23.251	2.860	16.80	22.146	3.026
19.50	27.956	3.286	18.20	25.022	3.174	18.20	23.830	3.358
21.00	29.896	3.631	19.60	26.768	3.497	19.60	25.490	3.705
22.50	31.807	3.992	21.00	28.490	3.838	21.00	27.126	4.068
24.00	33.691	4.365	22.40	30.187	4.192	22.40	28.739	4.444
25.50	35.545	4.758	23.80	31.861	4.562	23.80	30.328	4.836
27.00	37.372	5.169	25.20	33.511	4.953	25.20	31.895	5.249
28.50	39.172	5.598	26.60	35.137	5.355	26.60	33.438	5.674
30.00	40.944	6.050	28.00	36.739	5.773	28.00	34.959	6.122
31.50	42.689	6.519	29.40	38.319	6.209	29.40	36.457	6.585
33.00	44.407	7.007	30.80	39.875	6.668	30.80	37.934	7.069
34.50	46.098	7.519	32.20	41.409	7.139	32.20	39.388	7.573
36.00	47.763	8.055	33.60	42.920	7.637	33.60	40.820	8.099
37.50	49.402	8.611	35.00	44.410	8.149	35.00	42.231	8.648
39.00	51.015	9.194	36.40	45.876	8.687	36.40	43.621	9.215
40.50	52.604	9.800	37.80	47.321	9.246	37.80	44.988	9.814
42.00	54.166	10.435	39.20	48.744	9.825	39.20	46.336	10.429
43.50	55.703	11.098	40.60	50.146	10.432	40.60	47.662	11.077

615.00	103.127		610.00	96.481		605.00	90.157	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
1.30	1.759	0.192	1.30	1.675	0.203	1.20	1.472	0.198
2.60	3.496	0.393	2.60	3.328	0.416	2.40	2.925	0.404
3.90	5.211	0.600	3.90	4.960	0.634	3.60	4.361	0.618
5.20	6.905	0.817	5.20	6.570	0.864	4.80	5.780	0.843
6.50	8.576	1.045	6.50	8.161	1.104	6.00	7.180	1.077
7.80	10.226	1.282	7.80	9.729	1.355	7.20	8.564	1.317
9.10	11.855	1.525	9.10	11.278	1.615	8.40	9.931	1.567
10.40	13.462	1.782	10.40	12.806	1.892	9.60	11.281	1.828
11.70	15.049	2.049	11.70	14.314	2.175	10.80	12.613	2.101
13.00	16.614	2.328	13.00	15.801	2.470	12.00	13.929	2.381
14.30	18.160	2.618	14.30	17.269	2.777	13.20	15.229	2.676
15.60	19.685	2.924	15.60	18.716	3.101	14.40	16.512	2.978
16.90	21.189	3.238	16.90	20.144	3.433	15.60	17.779	3.294
18.20	22.673	3.564	18.20	21.552	3.785	16.80	19.029	3.622
19.50	24.138	3.905	19.50	22.942	4.145	18.00	20.264	3.964
20.80	25.582	4.262	20.80	24.312	4.522	19.20	21.482	4.315
22.10	27.008	4.629	22.10	25.663	4.914	20.40	22.685	4.684
23.40	28.413	5.016	23.40	26.996	5.324	21.60	23.872	5.062
24.70	29.800	5.412	24.70	28.309	5.748	22.80	25.043	5.460
26.00	31.167	5.829	26.00	29.604	6.188	24.00	26.199	5.867
27.30	32.515	6.259	27.30	30.881	6.650	25.20	27.340	6.293
28.60	33.844	6.709	28.60	32.139	7.128	26.40	28.466	6.736
29.90	35.155	7.176	29.90	33.380	7.624	27.60	29.576	7.196
31.20	36.447	7.658	31.20	34.603	8.143	28.80	30.671	7.668
32.50	37.721	8.166	32.50	35.808	8.683	30.00	31.752	8.158
33.80	38.977	8.688	33.80	36.995	9.239	31.20	32.818	8.670
35.10	40.215	9.233	35.10	38.165	9.818	32.40	33.869	9.199
36.40	41.435	9.800	36.40	39.318	10.424	33.60	34.906	9.748
37.70	42.637	10.391	37.70	40.454	11.052	34.80	35.928	10.317

B FACTORS FOR REFRIGERANT 114

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
600.00	84.143		595.00	78.431		590.00	73.010	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
1.20	1.398	0.210	1.10	1.217	0.204	1.10	1.154	0.219
2.40	2.779	0.428	2.20	2.420	0.414	2.20	2.295	0.443
3.60	4.143	0.654	3.30	3.609	0.637	3.30	3.422	0.680
4.80	5.490	0.893	4.40	4.785	0.863	4.40	4.536	0.920
6.00	6.819	1.140	5.50	5.947	1.099	5.50	5.637	1.174
7.20	8.133	1.395	6.60	7.095	1.346	6.60	6.724	1.434
8.40	9.429	1.664	7.70	8.230	1.601	7.70	7.799	1.708
9.60	10.710	1.939	8.80	9.351	1.864	8.80	8.860	1.988
10.80	11.974	2.228	9.90	10.459	2.139	9.90	9.908	2.279
12.00	13.222	2.527	11.00	11.554	2.420	11.00	10.944	2.584
13.20	14.454	2.841	12.10	12.635	2.716	12.10	11.967	2.899
14.40	15.670	3.162	13.20	13.703	3.023	13.20	12.978	3.226
15.60	16.870	3.499	14.30	14.759	3.335	14.30	13.976	3.558
16.80	18.054	3.847	15.40	15.802	3.663	15.40	14.961	3.908
18.00	19.222	4.213	16.50	16.832	4.004	16.50	15.934	4.270
19.20	20.376	4.586	17.60	17.849	4.356	17.60	16.896	4.646
20.40	21.514	4.978	18.70	18.854	4.717	18.70	17.844	5.034
21.60	22.637	5.386	19.80	19.846	5.091	19.80	18.781	5.436
22.80	23.745	5.809	20.90	20.826	5.482	20.90	19.705	5.853
24.00	24.838	6.243	22.00	21.794	5.885	22.00	20.619	6.283
25.20	25.916	6.696	23.10	22.749	6.303	23.10	21.521	6.728
26.40	26.980	7.168	24.20	23.692	6.734	24.20	22.410	7.196
27.60	28.029	7.657	25.30	24.623	7.182	25.30	23.288	7.674
28.80	29.063	8.164	26.40	25.543	7.644	26.40	24.155	8.169
30.00	30.083	8.690	27.50	26.451	8.121	27.50	25.010	8.681
31.20	31.089	9.236	28.60	27.347	8.618	28.60	25.854	9.215
32.40	32.082	9.800	29.70	28.232	9.133	29.70	26.687	9.761
33.60	33.060	10.389	30.80	29.104	9.662	30.80	27.509	10.332
34.80	34.024	11.000	31.90	29.966	10.208	31.90	28.319	10.921

585.00	67.871		580.00	63.007		575.00	58.406	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
1.00	0.995	0.208	1.00	0.941	0.225	1.00	0.889	0.239
2.00	1.978	0.426	2.00	1.872	0.458	2.00	1.769	0.487
3.00	2.951	0.653	3.00	2.792	0.700	3.00	2.638	0.744
4.00	3.913	0.883	4.00	3.702	0.944	4.00	3.496	1.009
5.00	4.865	1.124	5.00	4.601	1.201	5.00	4.345	1.284
6.00	5.806	1.374	6.00	5.490	1.467	6.00	5.185	1.568
7.00	6.737	1.633	7.00	6.370	1.743	7.00	6.015	1.861
8.00	7.657	1.901	8.00	7.239	2.028	8.00	6.835	2.164
9.00	8.567	2.173	9.00	8.098	2.322	9.00	7.645	2.484
10.00	9.466	2.457	10.00	8.947	2.626	10.00	8.446	2.810
11.00	10.355	2.752	11.00	9.786	2.941	11.00	9.237	3.146
12.00	11.234	3.056	12.00	10.616	3.266	12.00	10.019	3.493
13.00	12.104	3.371	13.00	11.436	3.601	13.00	10.791	3.857
14.00	12.962	3.696	14.00	12.247	3.953	14.00	11.554	4.230
15.00	13.811	4.031	15.00	13.047	4.313	15.00	12.308	4.612
16.00	14.651	4.378	16.00	13.838	4.683	16.00	13.053	5.014
17.00	15.481	4.735	17.00	14.620	5.065	17.00	13.788	5.425
18.00	16.301	5.104	18.00	15.392	5.466	18.00	14.515	5.847
19.00	17.111	5.491	19.00	16.155	5.875	19.00	15.233	6.289
20.00	17.911	5.885	20.00	16.909	6.295	20.00	15.942	6.741
21.00	18.702	6.292	21.00	17.654	6.736	21.00	16.642	7.214
22.00	19.484	6.711	22.00	18.389	7.186	22.00	17.332	7.696
23.00	20.257	7.149	23.00	19.116	7.649	23.00	18.015	8.199
24.00	21.020	7.597	24.00	19.834	8.133	24.00	18.689	8.721
25.00	21.774	8.057	25.00	20.543	8.628	25.00	19.355	9.252
26.00	22.519	8.539	26.00	21.243	9.144	26.00	20.012	9.806
27.00	23.254	9.031	27.00	21.934	9.671	27.00	20.660	10.381
28.00	23.981	9.536	28.00	22.616	10.221	28.00	21.301	10.964
29.00	24.698	10.064	29.00	23.290	10.789	29.00	21.933	11.574

B FACTORS FOR REFRIGERANT 114

TF1 (R)	PF1 (PSIA)	
570.00	54.060	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.90	0.756	0.229
1.80	1.504	0.465
2.70	2.245	0.709
3.60	2.977	0.963
4.50	3.701	1.226
5.40	4.418	1.494
6.30	5.127	1.770
7.20	5.828	2.054
8.10	6.522	2.354
9.00	7.208	2.657
9.90	7.887	2.968
10.80	8.559	3.295
11.70	9.223	3.629
12.60	9.879	3.970
13.50	10.529	4.324
14.40	11.172	4.692
15.30	11.807	5.065
16.20	12.435	5.457
17.10	13.056	5.854
18.00	13.670	6.268
18.90	14.277	6.697
19.80	14.877	7.132
20.70	15.470	7.582
21.60	16.056	8.050
22.50	16.636	8.529
23.40	17.209	9.017
24.30	17.775	9.527
25.20	18.335	10.051
26.10	18.888	10.593

TF1 (R)	PF1 (PSIA)	
565.00	49.960	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.90	0.712	0.244
1.80	1.417	0.496
2.70	2.115	0.760
3.60	2.804	1.031
4.50	3.486	1.308
5.40	4.161	1.595
6.30	4.829	1.896
7.20	5.488	2.200
8.10	6.141	2.514
9.00	6.787	2.843
9.90	7.426	3.178
10.80	8.057	3.527
11.70	8.681	3.884
12.60	9.298	4.253
13.50	9.908	4.637
14.40	10.511	5.032
15.30	11.107	5.433
16.20	11.696	5.853
17.10	12.279	6.287
18.00	12.855	6.725
18.90	13.425	7.183
19.80	13.987	7.656
20.70	14.543	8.145
21.60	15.093	8.643
22.50	15.636	9.155
23.40	16.173	9.688
24.30	16.702	10.237
25.20	17.226	10.803
26.10	17.744	11.385

TF1 (R)	PF1 (PSIA)	
560.00	46.098	
DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.80	0.597	0.236
1.60	1.187	0.477
2.40	1.772	0.722
3.20	2.351	0.974
4.00	2.925	1.239
4.80	3.493	1.506
5.60	4.055	1.784
6.40	4.611	2.070
7.20	5.162	2.360
8.00	5.707	2.664
8.80	6.247	2.978
9.60	6.782	3.295
10.40	7.311	3.621
11.20	7.834	3.960
12.00	8.353	4.311
12.80	8.866	4.663
13.60	9.373	5.028
14.40	9.876	5.407
15.20	10.373	5.796
16.00	10.864	6.197
16.80	11.352	6.601
17.60	11.834	7.019
18.40	12.310	7.452
19.20	12.782	7.897
20.00	13.248	8.354
20.80	13.710	8.824
21.60	14.166	9.305
22.40	14.618	9.800
23.20	15.065	10.308

555.00	42.464	
0.00	0.000	0.000
0.80	0.561	0.252
1.60	1.116	0.509
2.40	1.665	0.773
3.20	2.209	1.048
4.00	2.747	1.333
4.80	3.281	1.619
5.60	3.808	1.916
6.40	4.330	2.225
7.20	4.847	2.543
8.00	5.359	2.862
8.80	5.866	3.196
9.60	6.366	3.541
10.40	6.862	3.897
11.20	7.353	4.262
12.00	7.839	4.630
12.80	8.320	5.013
13.60	8.795	5.410
14.40	9.265	5.817
15.20	9.730	6.236
16.00	10.190	6.666
16.80	10.646	7.108
17.60	11.096	7.562
18.40	11.542	8.029
19.20	11.983	8.510
20.00	12.419	9.002
20.80	12.850	9.509
21.60	13.276	10.028
22.40	13.698	10.565
23.20	14.115	11.123

550.00	39.051	
0.00	0.000	0.000
0.80	0.526	0.269
1.60	1.047	0.549
2.40	1.563	0.834
3.20	2.073	1.123
4.00	2.578	1.427
4.80	3.078	1.740
5.60	3.572	2.063
6.40	4.062	2.393
7.20	4.547	2.726
8.00	5.026	3.077
8.80	5.500	3.437
9.60	5.968	3.808
10.40	6.432	4.190
11.20	6.892	4.583
12.00	7.346	4.987
12.80	7.795	5.402
13.60	8.239	5.829
14.40	8.679	6.268
15.20	9.114	6.719
16.00	9.544	7.184
16.80	9.969	7.659
17.60	10.389	8.155
18.40	10.805	8.666
19.20	11.216	9.184
20.00	11.623	9.717
20.80	12.026	10.265
21.60	12.423	10.827
22.40	12.816	11.407
23.20	13.205	12.012

545.00	35.849	
0.00	0.000	0.000
0.70	0.432	0.255
1.40	0.860	0.513
2.10	1.284	0.774
2.80	1.705	1.047
3.50	2.121	1.328
4.20	2.533	1.616
4.90	2.941	1.912
5.60	3.346	2.216
6.30	3.747	2.527
7.00	4.144	2.846
7.70	4.537	3.173
8.40	4.927	3.509
9.10	5.313	3.853
9.80	5.695	4.206
10.50	6.074	4.568
11.20	6.449	4.939
11.90	6.820	5.318
12.60	7.187	5.713
13.30	7.552	6.119
14.00	7.912	6.529
14.70	8.269	6.949
15.40	8.623	7.379
16.10	8.974	7.820
16.80	9.320	8.271
17.50	9.663	8.739
18.20	10.003	9.221
18.90	10.340	9.709
19.60	10.673	10.206
20.30	11.002	10.718

B FACTORS FOR REFRIGERANT 114

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
540.00	32.850		535.00	30.045		530.00	27.428	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.70	0.404	0.272	0.60	0.324	0.251	0.60	0.302	0.270
1.40	0.805	0.552	1.20	0.645	0.507	1.20	0.602	0.547
2.10	1.201	0.839	1.80	0.963	0.768	1.80	0.899	0.828
2.80	1.594	1.134	2.40	1.279	1.039	2.40	1.193	1.120
3.50	1.983	1.436	3.00	1.592	1.320	3.00	1.485	1.423
4.20	2.369	1.747	3.60	1.903	1.603	3.60	1.775	1.729
4.90	2.750	2.065	4.20	2.211	1.891	4.20	2.062	2.039
5.60	3.128	2.392	4.80	2.517	2.184	4.80	2.346	2.355
6.30	3.503	2.727	5.40	2.820	2.485	5.40	2.627	2.682
7.00	3.873	3.070	6.00	3.120	2.792	6.00	2.907	3.022
7.70	4.241	3.429	6.60	3.418	3.105	6.60	3.184	3.363
8.40	4.604	3.796	7.20	3.713	3.427	7.20	3.459	3.711
9.10	4.964	4.168	7.80	4.006	3.763	7.80	3.731	4.074
9.80	5.321	4.549	8.40	4.296	4.103	8.40	4.001	4.442
10.50	5.675	4.939	9.00	4.584	4.447	9.00	4.269	4.814
11.20	6.024	5.340	9.60	4.869	4.797	9.60	4.534	5.193
11.90	6.370	5.750	10.20	5.152	5.156	10.20	4.797	5.583
12.60	6.713	6.177	10.80	5.432	5.530	10.80	5.057	5.989
13.30	7.052	6.616	11.40	5.710	5.910	11.40	5.316	6.401
14.00	7.389	7.060	12.00	5.986	6.293	12.00	5.572	6.822
14.70	7.721	7.512	12.60	6.259	6.690	12.60	5.825	7.249
15.40	8.050	7.981	13.20	6.529	7.097	13.20	6.076	7.688
16.10	8.376	8.467	13.80	6.798	7.508	13.80	6.325	8.142
16.80	8.699	8.958	14.40	7.064	7.926	14.40	6.572	8.601
17.50	9.018	9.464	15.00	7.328	8.353	15.00	6.817	9.065
18.20	9.334	9.987	15.60	7.589	8.795	15.60	7.059	9.545
18.90	9.647	10.516	16.20	7.848	9.250	16.20	7.300	10.039
19.60	9.957	11.056	16.80	8.105	9.710	16.80	7.537	10.546
20.30	10.263	11.612	17.40	8.359	10.177	17.40	7.773	11.058

525.00	24.988		520.00	22.718		515.00	20.611	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.60	0.281	0.297	0.50	0.218	0.265	0.46	0.186	0.264
1.20	0.560	0.601	1.00	0.434	0.539	0.92	0.371	0.536
1.80	0.836	0.907	1.50	0.649	0.818	1.38	0.554	0.813
2.40	1.110	1.222	2.00	0.862	1.103	1.84	0.736	1.097
3.00	1.381	1.550	2.50	1.074	1.388	2.30	0.917	1.383
3.60	1.651	1.880	3.00	1.283	1.678	2.76	1.097	1.668
4.20	1.918	2.216	3.50	1.492	1.979	3.22	1.275	1.961
4.80	2.182	2.558	4.00	1.698	2.287	3.68	1.452	2.264
5.40	2.444	2.912	4.50	1.903	2.596	4.14	1.628	2.573
6.00	2.704	3.280	5.00	2.107	2.909	4.60	1.803	2.888
6.60	2.961	3.655	5.50	2.310	3.232	5.06	1.976	3.209
7.20	3.217	4.035	6.00	2.510	3.565	5.52	2.148	3.536
7.80	3.469	4.423	6.50	2.709	3.905	5.98	2.318	3.870
8.40	3.720	4.822	7.00	2.906	4.251	6.44	2.488	4.205
9.00	3.968	5.234	7.50	3.102	4.599	6.90	2.656	4.542
9.60	4.214	5.649	8.00	3.297	4.950	7.36	2.824	4.889
10.20	4.458	6.072	8.50	3.490	5.314	7.82	2.990	5.246
10.80	4.700	6.511	9.00	3.682	5.687	8.28	3.155	5.610
11.40	4.940	6.961	9.50	3.872	6.068	8.74	3.318	5.981
12.00	5.176	7.423	10.00	4.060	6.456	9.20	3.480	6.359
12.60	5.411	7.887	10.50	4.247	6.852	9.66	3.641	6.743
13.20	5.645	8.360	11.00	4.433	7.256	10.12	3.801	7.134
13.80	5.876	8.852	11.50	4.617	7.661	10.58	3.960	7.532
14.40	6.104	9.356	12.00	4.800	8.072	11.04	4.118	7.937
15.00	6.330	9.870	12.50	4.982	8.496	11.50	4.274	8.350
15.60	6.555	10.398	13.00	5.162	8.931	11.96	4.430	8.770
16.20	6.777	10.936	13.50	5.340	9.374	12.42	4.584	9.198
16.80	6.997	11.477	14.00	5.517	9.826	12.88	4.736	9.634
17.40	7.215	12.034	14.50	5.692	10.286	13.34	4.888	10.077

B FACTORS FOR REFRIGERANT 114

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
510.00	18.658		505.00	16.851		500.00	15.183	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.44	0.165	0.278	0.40	0.138	0.274	0.38	0.121	0.283
0.88	0.328	0.561	0.80	0.276	0.552	0.76	0.241	0.571
1.32	0.491	0.846	1.20	0.413	0.835	1.14	0.361	0.863
1.76	0.652	1.131	1.60	0.549	1.122	1.52	0.480	1.161
2.20	0.812	1.423	2.00	0.684	1.415	1.90	0.598	1.463
2.64	0.972	1.725	2.40	0.818	1.712	2.28	0.716	1.770
3.08	1.130	2.033	2.80	0.950	2.015	2.66	0.832	2.082
3.52	1.287	2.348	3.20	1.082	2.322	3.04	0.948	2.398
3.96	1.442	2.667	3.60	1.214	2.635	3.42	1.063	2.720
4.40	1.597	2.993	4.00	1.345	2.952	3.80	1.178	3.048
4.84	1.751	3.324	4.40	1.475	3.275	4.18	1.292	3.380
5.28	1.903	3.661	4.80	1.604	3.604	4.56	1.405	3.718
5.72	2.055	4.004	5.20	1.732	3.938	4.94	1.518	4.061
6.16	2.206	4.353	5.60	1.859	4.277	5.32	1.629	4.410
6.60	2.355	4.709	6.00	1.985	4.622	5.70	1.740	4.762
7.04	2.503	5.071	6.40	2.110	4.972	6.08	1.850	5.122
7.48	2.650	5.439	6.80	2.235	5.329	6.46	1.960	5.493
7.92	2.796	5.814	7.20	2.359	5.691	6.84	2.069	5.873
8.36	2.941	6.195	7.60	2.482	6.059	7.22	2.177	6.256
8.80	3.086	6.583	8.00	2.604	6.433	7.60	2.284	6.640
9.24	3.229	6.978	8.40	2.725	6.813	7.98	2.391	7.030
9.68	3.372	7.380	8.80	2.846	7.200	8.36	2.497	7.426
10.12	3.513	7.790	9.20	2.966	7.592	8.74	2.602	7.827
10.56	3.652	8.206	9.60	3.085	7.992	9.12	2.707	8.235
11.00	3.791	8.629	10.00	3.203	8.397	9.50	2.811	8.648
11.44	3.929	9.060	10.40	3.321	8.809	9.88	2.914	9.068
11.88	4.066	9.499	10.80	3.437	9.226	10.26	3.016	9.498
12.32	4.202	9.945	11.20	3.553	9.653	10.64	3.118	9.942
12.76	4.337	10.399	11.60	3.668	10.094	11.02	3.219	10.391

495.00	13.648		490.00	12.237		485.00	10.943	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.36	0.106	0.293	0.32	0.086	0.287	0.30	0.074	0.295
0.72	0.211	0.588	0.64	0.172	0.584	0.60	0.148	0.600
1.08	0.315	0.891	0.96	0.257	0.883	0.90	0.221	0.907
1.44	0.419	1.202	1.28	0.342	1.185	1.20	0.294	1.217
1.80	0.522	1.522	1.60	0.426	1.487	1.50	0.367	1.527
2.16	0.625	1.844	1.92	0.510	1.792	1.80	0.439	1.839
2.52	0.727	2.168	2.24	0.594	2.102	2.10	0.511	2.157
2.88	0.828	2.494	2.56	0.676	2.415	2.40	0.582	2.483
3.24	0.928	2.826	2.88	0.759	2.733	2.70	0.653	2.818
3.60	1.028	3.163	3.20	0.841	3.058	3.00	0.723	3.155
3.96	1.127	3.505	3.52	0.922	3.392	3.30	0.793	3.495
4.32	1.226	3.852	3.84	1.004	3.732	3.60	0.863	3.832
4.68	1.324	4.203	4.16	1.084	4.075	3.90	0.933	4.176
5.04	1.422	4.561	4.48	1.164	4.418	4.20	1.002	4.526
5.40	1.519	4.929	4.80	1.244	4.763	4.50	1.070	4.886
5.76	1.615	5.307	5.12	1.323	5.115	4.80	1.138	5.253
6.12	1.710	5.689	5.44	1.402	5.477	5.10	1.206	5.622
6.48	1.806	6.072	5.76	1.480	5.847	5.40	1.273	5.992
6.84	1.900	6.459	6.08	1.558	6.220	5.70	1.340	6.363
7.20	1.994	6.851	6.40	1.636	6.594	6.00	1.407	6.741
7.56	2.087	7.248	6.72	1.713	6.969	6.30	1.474	7.126
7.92	2.180	7.652	7.04	1.790	7.351	6.60	1.540	7.520
8.28	2.272	8.065	7.36	1.866	7.741	6.90	1.606	7.920
8.64	2.364	8.491	7.68	1.942	8.143	7.20	1.671	8.326
9.00	2.455	8.922	8.00	2.017	8.549	7.50	1.736	8.738
9.36	2.546	9.357	8.32	2.092	8.957	7.80	1.800	9.156
9.72	2.635	9.791	8.64	2.166	9.364	8.10	1.864	9.577
10.08	2.724	10.234	8.96	2.240	9.778	8.40	1.928	9.999
10.44	2.813	10.690	9.28	2.313	10.201	8.70	1.992	10.422

B FACTORS FOR REFRIGERANT 114

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
480.00	9.760		475.00	8.680		470.00	7.698	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.28	0.063	0.305	0.26	0.053	0.314	0.24	0.045	0.320
0.56	0.126	0.608	0.52	0.106	0.632	0.48	0.089	0.644
0.84	0.188	0.915	0.78	0.159	0.954	0.72	0.134	0.972
1.12	0.251	1.228	1.04	0.211	1.279	0.96	0.178	1.304
1.40	0.313	1.548	1.30	0.264	1.609	1.20	0.222	1.639
1.68	0.374	1.875	1.56	0.316	1.945	1.44	0.266	1.978
1.96	0.436	2.206	1.82	0.368	2.284	1.68	0.309	2.321
2.24	0.497	2.542	2.08	0.419	2.625	1.92	0.353	2.668
2.52	0.557	2.883	2.34	0.471	2.968	2.16	0.396	3.019
2.80	0.617	3.229	2.60	0.522	3.309	2.40	0.439	3.374
3.08	0.677	3.576	2.86	0.572	3.655	2.64	0.482	3.733
3.36	0.737	3.926	3.12	0.623	4.008	2.88	0.524	4.096
3.64	0.796	4.274	3.38	0.673	4.367	3.12	0.567	4.463
3.92	0.855	4.628	3.64	0.724	4.734	3.36	0.609	4.835
4.20	0.914	4.989	3.90	0.774	5.106	3.60	0.651	5.210
4.48	0.973	5.358	4.16	0.823	5.483	3.84	0.692	5.590
4.76	1.031	5.734	4.42	0.873	5.863	4.08	0.734	5.974
5.04	1.089	6.115	4.68	0.922	6.248	4.32	0.775	6.363
5.32	1.146	6.500	4.94	0.971	6.638	4.56	0.816	6.755
5.60	1.203	6.890	5.20	1.020	7.032	4.80	0.857	7.153
5.88	1.260	7.285	5.46	1.068	7.432	5.04	0.898	7.555
6.16	1.316	7.685	5.72	1.116	7.835	5.28	0.939	7.961
6.44	1.372	8.092	5.98	1.164	8.244	5.52	0.980	8.372
6.72	1.428	8.504	6.24	1.211	8.658	5.76	1.020	8.787
7.00	1.484	8.919	6.50	1.259	9.077	6.00	1.060	9.207
7.28	1.539	9.337	6.76	1.306	9.500	6.24	1.100	9.632
7.56	1.594	9.753	7.02	1.353	9.929	6.48	1.139	10.062
7.84	1.649	10.175	7.28	1.400	10.363	6.72	1.179	10.496
8.12	1.704	10.605	7.54	1.446	10.802	6.96	1.218	10.935

465.00	6.806		460.00	5.999		455.00	5.270	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.22	0.037	0.325	0.20	0.031	0.329	0.18	0.025	0.331
0.44	0.075	0.654	0.40	0.061	0.659	0.36	0.050	0.668
0.66	0.112	0.986	0.60	0.092	0.992	0.54	0.074	1.013
0.88	0.148	1.322	0.80	0.122	1.330	0.72	0.098	1.361
1.10	0.185	1.662	1.00	0.152	1.672	0.90	0.123	1.710
1.32	0.221	2.005	1.20	0.182	2.019	1.08	0.147	2.061
1.54	0.257	2.352	1.40	0.212	2.374	1.26	0.171	2.414
1.76	0.293	2.702	1.60	0.242	2.736	1.44	0.195	2.767
1.98	0.329	3.057	1.80	0.272	3.100	1.62	0.219	3.122
2.20	0.365	3.415	2.00	0.301	3.466	1.80	0.243	3.479
2.42	0.401	3.777	2.20	0.330	3.834	1.98	0.267	3.841
2.64	0.436	4.143	2.40	0.360	4.203	2.16	0.291	4.205
2.86	0.471	4.512	2.60	0.389	4.574	2.34	0.315	4.573
3.08	0.506	4.886	2.80	0.417	4.947	2.52	0.338	4.941
3.30	0.541	5.263	3.00	0.446	5.325	2.70	0.362	5.314
3.52	0.576	5.645	3.20	0.475	5.706	2.88	0.385	5.691
3.74	0.611	6.031	3.40	0.504	6.091	3.06	0.409	6.073
3.96	0.645	6.420	3.60	0.532	6.480	3.24	0.432	6.461
4.18	0.680	6.814	3.80	0.561	6.873	3.42	0.455	6.856
4.40	0.714	7.212	4.00	0.589	7.269	3.60	0.478	7.258
4.62	0.748	7.614	4.20	0.617	7.670	3.78	0.502	7.662
4.84	0.782	8.021	4.40	0.645	8.073	3.96	0.525	8.069
5.06	0.816	8.432	4.60	0.673	8.478	4.14	0.547	8.477
5.28	0.849	8.847	4.80	0.701	8.889	4.32	0.570	8.888
5.50	0.883	9.263	5.00	0.729	9.306	4.50	0.593	9.295
5.72	0.916	9.686	5.20	0.757	9.729	4.68	0.615	9.707
5.94	0.949	10.114	5.40	0.784	10.159	4.86	0.637	10.124
6.16	0.983	10.548	5.60	0.811	10.599	5.04	0.660	10.546
6.38	1.015	10.991	5.80	0.838	11.041	5.22	0.682	10.973

B FACTORS FOR REFRIGERANT 114

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
450.00	4.616		445.00	4.028		440.00	3.503	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.16	0.020	0.329	0.14	0.016	0.323	0.14	0.014	0.369
0.32	0.039	0.662	0.28	0.031	0.649	0.28	0.028	0.741
0.48	0.059	1.004	0.42	0.047	0.980	0.42	0.042	1.115
0.64	0.079	1.349	0.56	0.062	1.315	0.56	0.055	1.493
0.80	0.098	1.695	0.70	0.077	1.653	0.70	0.069	1.873
0.96	0.118	2.043	0.84	0.092	1.994	0.84	0.083	2.257
1.12	0.137	2.393	0.98	0.108	2.336	0.98	0.097	2.643
1.28	0.157	2.745	1.12	0.123	2.682	1.12	0.110	3.032
1.44	0.176	3.094	1.26	0.138	3.030	1.26	0.124	3.424
1.60	0.195	3.444	1.40	0.153	3.382	1.40	0.137	3.819
1.76	0.214	3.799	1.54	0.168	3.737	1.54	0.151	4.217
1.92	0.233	4.158	1.68	0.183	4.095	1.68	0.164	4.619
2.08	0.252	4.521	1.82	0.198	4.460	1.82	0.177	5.023
2.24	0.271	4.888	1.96	0.213	4.820	1.96	0.191	5.430
2.40	0.290	5.261	2.10	0.228	5.177	2.10	0.204	5.840
2.56	0.309	5.639	2.24	0.243	5.541	2.24	0.217	6.254
2.72	0.328	6.020	2.38	0.258	5.904	2.38	0.230	6.672
2.88	0.346	6.405	2.52	0.273	6.266	2.52	0.243	7.094
3.04	0.365	6.793	2.66	0.287	6.628	2.66	0.257	7.527
3.20	0.384	7.184	2.80	0.302	6.997	2.80	0.270	7.954
3.36	0.402	7.578	2.94	0.316	7.370	2.94	0.283	8.382
3.52	0.421	7.979	3.08	0.331	7.750	3.08	0.296	8.811
3.68	0.439	8.381	3.22	0.345	8.130	3.22	0.308	9.240
3.84	0.457	8.785	3.36	0.360	8.516	3.36	0.321	9.673
4.00	0.475	9.192	3.50	0.374	8.907	3.50	0.334	10.104
4.16	0.493	9.600	3.64	0.389	9.301	3.64	0.347	10.535
4.32	0.512	10.011	3.78	0.403	9.698	3.78	0.359	10.974
4.48	0.530	10.417	3.92	0.417	10.098	3.92	0.372	11.419
4.64	0.548	10.828	4.06	0.431	10.501	4.06	0.384	11.868

435.00	3.034		430.00	2.619		425.00	2.251	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.12	0.010	0.357	0.10	0.008	0.337	0.10	0.007	0.387
0.24	0.021	0.716	0.20	0.016	0.676	0.20	0.014	0.777
0.36	0.032	1.077	0.30	0.023	1.016	0.30	0.021	1.172
0.48	0.042	1.438	0.40	0.031	1.359	0.40	0.027	1.574
0.60	0.052	1.795	0.50	0.039	1.704	0.50	0.034	1.981
0.72	0.063	2.162	0.60	0.047	2.050	0.60	0.041	2.389
0.84	0.073	2.534	0.70	0.054	2.399	0.70	0.048	2.796
0.96	0.083	2.909	0.80	0.062	2.749	0.80	0.055	3.204
1.08	0.094	3.289	0.90	0.070	3.102	0.90	0.062	3.613
1.20	0.104	3.675	1.00	0.077	3.456	1.00	0.068	4.023
1.32	0.114	4.060	1.10	0.085	3.813	1.10	0.075	4.434
1.44	0.124	4.455	1.20	0.093	4.172	1.20	0.082	4.846
1.56	0.135	4.855	1.30	0.100	4.532	1.30	0.089	5.258
1.68	0.145	5.255	1.40	0.108	4.893	1.40	0.095	5.667
1.80	0.155	5.655	1.50	0.116	5.248	1.50	0.102	6.076
1.92	0.166	6.057	1.60	0.123	5.611	1.60	0.109	6.490
2.04	0.176	6.460	1.70	0.131	5.978	1.70	0.115	6.908
2.16	0.186	6.864	1.80	0.138	6.348	1.80	0.122	7.331
2.28	0.196	7.270	1.90	0.146	6.722	1.90	0.129	7.758
2.40	0.206	7.677	2.00	0.153	7.100	2.00	0.135	8.188
2.52	0.216	8.085	2.10	0.161	7.481	2.10	0.142	8.623
2.64	0.225	8.496	2.20	0.168	7.865	2.20	0.148	9.061
2.76	0.235	8.909	2.30	0.175	8.253	2.30	0.155	9.504
2.88	0.245	9.325	2.40	0.183	8.645	2.40	0.161	9.956
3.00	0.255	9.744	2.50	0.190	9.045	2.50	0.168	10.413
3.12	0.265	10.166	2.60	0.198	9.444	2.60	0.174	10.869
3.24	0.275	10.590	2.70	0.205	9.844	2.70	0.180	11.327
3.36	0.284	11.017	2.80	0.212	10.245	2.80	0.187	11.785
3.48	0.294	11.447	2.90	0.219	10.647	2.90	0.193	12.244

Appendix G: B-factors for water, calculated from eq (5).

B FACTORS FOR WATER

TF1 (R)	PF1 (PSIA)
1160.00	3101.091

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
4.80	97.056	0.264
9.60	191.286	0.479
14.40	282.906	0.682
19.20	371.917	0.882
24.00	458.428	1.087
28.80	542.601	1.301
33.60	624.436	1.529
38.40	704.033	1.766
43.20	781.473	2.001
48.00	856.780	2.249
52.80	930.100	2.508
57.60	1001.506	2.779
62.40	1070.890	3.066
67.20	1138.465	3.365
72.00	1204.240	3.680
76.80	1268.274	4.013
81.60	1330.556	4.361
86.40	1391.158	4.728
91.20	1450.110	5.115
96.00	1507.501	5.523
100.80	1563.267	5.949
105.60	1617.549	6.398
110.40	1670.345	6.875
115.20	1721.638	7.372
120.00	1771.547	7.899
124.80	1820.035	8.455
129.60	1867.162	9.038
134.40	1912.949	9.656
139.20	1957.428	10.305

TF1 (R)	PF1 (PSIA)
1150.00	2902.068

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
5.00	95.141	0.160
10.00	187.473	0.321
15.00	277.138	0.489
20.00	364.212	0.667
25.00	448.868	0.858
30.00	531.026	1.056
35.00	610.920	1.257
40.00	688.620	1.469
45.00	764.050	1.693
50.00	837.403	1.930
55.00	908.726	2.180
60.00	978.058	2.445
65.00	1045.423	2.724
70.00	1110.908	3.019
75.00	1174.621	3.333
80.00	1236.439	3.664
85.00	1296.640	4.014
90.00	1355.077	4.384
95.00	1411.805	4.776
100.00	1466.991	5.192
105.00	1520.514	5.628
110.00	1572.524	6.093
115.00	1623.002	6.586
120.00	1672.005	7.104
125.00	1719.558	7.658
130.00	1765.692	8.240
135.00	1810.435	8.860
140.00	1853.821	9.512
145.00	1895.878	10.212

TF1 (R)	PF1 (PSIA)
1140.00	2714.595

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
5.00	89.665	0.139
10.00	176.740	0.287
15.00	261.395	0.449
20.00	343.553	0.617
25.00	423.447	0.788
30.00	501.147	0.969
35.00	576.578	1.161
40.00	649.931	1.366
45.00	721.253	1.583
50.00	790.585	1.813
55.00	857.951	2.056
60.00	923.435	2.314
65.00	987.148	2.589
70.00	1048.966	2.880
75.00	1109.168	3.188
80.00	1167.604	3.515
85.00	1224.332	3.861
90.00	1279.519	4.230
95.00	1333.041	4.618
100.00	1385.051	5.032
105.00	1435.529	5.471
110.00	1484.532	5.934
115.00	1532.085	6.430
120.00	1578.220	6.951
125.00	1622.962	7.507
130.00	1666.349	8.094
135.00	1708.406	8.724
140.00	1749.161	9.385
145.00	1788.642	10.092

1130.00	2537.855	

0.00	0.000	0.000
5.00	84.655	0.137
10.00	166.814	0.282
15.00	246.708	0.428
20.00	324.408	0.585
25.00	399.838	0.752
30.00	473.191	0.930
35.00	544.513	1.120
40.00	613.845	1.321
45.00	681.211	1.536
50.00	746.696	1.764
55.00	810.408	2.007
60.00	872.227	2.266
65.00	932.428	2.540
70.00	990.865	2.832
75.00	1047.593	3.142
80.00	1102.779	3.473
85.00	1156.301	3.821
90.00	1208.312	4.194
95.00	1258.790	4.590
100.00	1307.793	5.008
105.00	1355.345	5.456
110.00	1401.480	5.928
115.00	1446.222	6.433
120.00	1489.609	6.966
125.00	1531.666	7.540
130.00	1572.421	8.141
135.00	1611.902	8.787
140.00	1650.145	9.471
145.00	1687.167	10.201

1120.00	2371.042	

0.00	0.000	0.000
5.00	79.894	0.125
10.00	157.594	0.260
15.00	233.025	0.405
20.00	306.377	0.561
25.00	377.700	0.726
30.00	447.032	0.903
35.00	514.397	1.092
40.00	579.882	1.294
45.00	643.595	1.510
50.00	705.413	1.740
55.00	765.615	1.985
60.00	824.051	2.246
65.00	880.779	2.524
70.00	935.965	2.821
75.00	989.488	3.135
80.00	1041.498	3.471
85.00	1091.976	3.829
90.00	1140.979	4.207
95.00	1188.532	4.614
100.00	1234.666	5.043
105.00	1279.409	5.502
110.00	1322.796	5.988
115.00	1364.853	6.511
120.00	1405.607	7.061
125.00	1445.089	7.652
130.00	1483.332	8.279
135.00	1520.354	8.949
140.00	1556.188	9.662
145.00	1590.861	10.421

1110.00	2213.448	

0.00	0.000	0.000
4.90	73.943	0.124
9.80	145.892	0.257
14.70	215.876	0.400
19.60	283.956	0.552
24.50	350.124	0.716
29.40	414.529	0.891
34.30	477.170	1.079
39.20	538.030	1.279
44.10	597.309	1.491
49.00	654.919	1.720
53.90	710.805	1.964
58.80	765.298	2.223
63.70	818.150	2.498
68.60	869.531	2.791
73.50	919.396	3.106
78.40	967.870	3.439
83.30	1014.931	3.794
88.20	1060.624	4.172
93.10	1104.970	4.575
98.00	1148.006	5.005
102.90	1189.750	5.462
107.80	1230.243	5.949
112.70	1269.489	6.464
117.60	1307.540	7.014
122.50	1344.397	7.602
127.40	1380.108	8.224
132.30	1414.689	8.894
137.20	1448.162	9.603
142.10	1480.553	10.361

B FACTORS FOR WATER

TF1 (R) PF1 (PSIA)

1100.00 2064.664

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
4.80	68.504	0.123
9.60	135.173	0.255
14.40	200.002	0.396
19.20	263.155	0.549
24.00	324.604	0.712
28.80	384.340	0.887
33.60	442.564	1.073
38.40	499.178	1.273
43.20	554.120	1.487
48.00	607.739	1.714
52.80	659.729	1.957
57.60	710.379	2.215
62.40	759.532	2.491
67.20	807.344	2.786
72.00	853.799	3.097
76.80	898.925	3.433
81.60	942.751	3.786
86.40	985.316	4.166
91.20	1026.628	4.568
96.00	1066.731	4.998
100.80	1105.631	5.453
105.60	1143.365	5.941
110.40	1179.960	6.459
115.20	1215.433	7.011
120.00	1249.810	7.600
124.80	1283.119	8.225
129.60	1315.379	8.886
134.40	1346.612	9.601
139.20	1376.835	10.357

TF1 (R) PF1 (PSIA)

1090.00 1924.010

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
4.70	63.361	0.123
9.40	125.091	0.256
14.10	185.211	0.399
18.80	243.685	0.552
23.50	300.716	0.716
28.20	356.198	0.891
32.90	410.071	1.080
37.60	462.678	1.280
42.30	513.688	1.496
47.00	563.453	1.723
51.70	611.791	1.967
56.40	658.811	2.228
61.10	704.535	2.504
65.80	748.977	2.803
70.50	792.170	3.115
75.20	834.139	3.451
79.90	874.909	3.807
84.60	914.504	4.191
89.30	952.948	4.594
94.00	990.262	5.025
98.70	1026.480	5.484
103.40	1061.604	5.976
108.10	1095.679	6.492
112.80	1128.717	7.050
117.50	1160.738	7.640
122.20	1191.766	8.272
126.90	1221.825	8.936
131.60	1250.923	9.652
136.30	1279.103	10.409

TF1 (R) PF1 (PSIA)

1080.00 1791.160

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
4.50	57.409	0.123
9.00	113.290	0.254
13.50	167.866	0.394
18.00	221.019	0.545
22.50	272.689	0.708
27.00	323.197	0.879
31.50	372.249	1.065
36.00	420.102	1.260
40.50	466.727	1.469
45.00	512.094	1.693
49.50	556.264	1.929
54.00	599.253	2.184
58.50	641.090	2.451
63.00	681.791	2.739
67.50	721.387	3.045
72.00	759.888	3.369
76.50	797.335	3.714
81.00	833.722	4.080
85.50	869.086	4.471
90.00	903.450	4.886
94.50	936.823	5.329
99.00	969.233	5.797
103.50	1000.699	6.295
108.00	1031.236	6.825
112.50	1060.863	7.392
117.00	1089.604	7.986
121.50	1117.463	8.627
126.00	1144.482	9.301
130.50	1170.653	10.027

1070.00 1665.629

0.00	0.000	0.000
4.40	53.063	0.124
8.80	104.784	0.258
13.20	155.084	0.401
17.60	204.297	0.554
22.00	252.088	0.719
26.40	298.766	0.893
30.80	344.257	1.079
35.20	388.551	1.279
39.60	431.701	1.490
44.00	473.722	1.718
48.40	514.641	1.956
52.80	554.474	2.213
57.20	593.250	2.488
61.60	630.979	2.777
66.00	667.696	3.086
70.40	703.399	3.413
74.80	738.121	3.764
79.20	771.885	4.135
83.60	804.694	4.532
88.00	836.584	4.948
92.40	867.564	5.397
96.80	897.651	5.873
101.20	926.865	6.376
105.60	955.226	6.910
110.00	982.739	7.485
114.40	1009.438	8.088
118.80	1035.328	8.732
123.20	1060.435	9.412
127.60	1084.765	10.145

1060.00 1546.991

0.00	0.000	0.000
4.30	48.853	0.127
8.60	96.651	0.263
12.90	143.131	0.409
17.20	188.528	0.564
21.50	232.742	0.731
25.80	275.862	0.910
30.10	317.893	1.099
34.40	358.849	1.304
38.70	398.754	1.517
43.00	437.622	1.748
47.30	475.482	1.994
51.60	512.341	2.254
55.90	548.235	2.531
60.20	583.160	2.825
64.50	617.147	3.139
68.80	650.219	3.473
73.10	682.374	3.830
77.40	713.652	4.203
81.70	744.058	4.607
86.00	773.608	5.035
90.30	802.323	5.483
94.60	830.218	5.967
98.90	857.303	6.478
103.20	883.598	7.021
107.50	909.124	7.598
111.80	933.890	8.211
116.10	957.917	8.863
120.40	981.215	9.557
124.70	1003.798	10.296

1050.00 1435.076

0.00	0.000	0.000
4.20	45.097	0.129
8.40	89.098	0.269
12.60	131.964	0.419
16.80	173.822	0.579
21.00	214.642	0.748
25.20	254.439	0.933
29.40	293.239	1.125
33.60	331.051	1.333
37.80	367.904	1.554
42.00	403.805	1.788
46.20	438.788	2.038
50.40	472.847	2.302
54.60	506.011	2.586
58.80	538.304	2.887
63.00	569.722	3.208
67.20	600.302	3.545
71.40	630.049	3.909
75.60	658.980	4.294
79.80	687.113	4.698
84.00	714.460	5.135
88.20	741.036	5.592
92.40	766.850	6.083
96.60	791.935	6.600
100.80	816.284	7.155
105.00	839.928	7.739
109.20	862.871	8.365
113.40	885.129	9.027
117.60	906.721	9.728
121.80	927.651	10.479

B FACTORS FOR WATER

TF1 (R) 1040.00 PF1 (PSIA) 1329.544

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
4.00	40.504	0.131
8.00	80.062	0.270
12.00	118.679	0.418
16.00	156.374	0.580
20.00	193.168	0.747
24.00	229.070	0.929
28.00	264.102	1.122
32.00	298.272	1.326
36.00	331.611	1.543
40.00	364.109	1.773
44.00	395.795	2.018
48.00	426.690	2.279
52.00	456.785	2.557
56.00	486.118	2.851
60.00	514.690	3.164
64.00	542.521	3.493
68.00	569.620	3.845
72.00	595.999	4.219
76.00	621.677	4.611
80.00	646.654	5.034
84.00	670.958	5.476
88.00	694.594	5.947
92.00	717.576	6.445
96.00	739.919	6.975
100.00	761.630	7.537
104.00	782.721	8.135
108.00	803.210	8.763
112.00	823.099	9.437
116.00	842.416	10.138

TF1 (R) 1030.00 PF1 (PSIA) 1230.063

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
3.90	37.213	0.137
7.80	73.559	0.279
11.70	109.049	0.433
15.60	143.708	0.597
19.50	177.538	0.771
23.40	210.555	0.958
27.30	242.784	1.155
31.20	274.218	1.364
35.10	304.886	1.587
39.00	334.806	1.824
42.90	363.970	2.076
46.80	392.412	2.342
50.70	420.133	2.628
54.60	447.150	2.927
58.50	473.476	3.245
62.40	499.117	3.587
66.30	524.093	3.942
70.20	548.403	4.326
74.10	572.076	4.727
78.00	595.112	5.155
81.90	617.529	5.607
85.80	639.336	6.088
89.70	660.542	6.597
93.60	681.158	7.138
97.50	701.201	7.708
101.40	720.673	8.316
105.30	739.597	8.951
109.20	757.971	9.639
113.10	775.814	10.357

TF1 (R) 1020.00 PF1 (PSIA) 1136.375

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
3.70	33.239	0.136
7.40	65.734	0.283
11.10	97.491	0.434
14.80	128.529	0.599
18.50	158.853	0.773
22.20	188.467	0.957
25.90	217.397	1.152
29.60	245.652	1.360
33.30	273.233	1.581
37.00	300.164	1.812
40.70	326.446	2.062
44.40	352.095	2.322
48.10	377.120	2.601
51.80	401.528	2.896
55.50	425.337	3.205
59.20	448.546	3.536
62.90	471.173	3.884
66.60	493.234	4.251
70.30	514.723	4.644
74.00	535.664	5.053
77.70	556.056	5.495
81.40	575.916	5.953
85.10	595.250	6.446
88.80	614.070	6.960
92.50	632.377	7.511
96.20	650.198	8.082
99.90	667.523	8.700
103.60	684.377	9.346
107.30	700.757	10.028

1010.00 1048.246

0.00	0.000	0.000
3.60	30.410	0.142
7.20	60.151	0.291
10.80	89.213	0.449
14.40	117.622	0.617
18.00	145.393	0.796
21.60	172.512	0.987
25.20	199.014	1.190
28.80	224.900	1.402
32.40	250.182	1.629
36.00	274.863	1.871
39.60	298.961	2.122
43.20	322.480	2.395
46.80	345.432	2.676
50.40	367.816	2.982
54.00	389.661	3.299
57.60	410.963	3.636
61.20	431.735	3.993
64.80	451.989	4.369
68.40	471.725	4.771
72.00	490.958	5.190
75.60	509.695	5.640
79.20	527.946	6.108
82.80	545.712	6.611
86.40	563.018	7.133
90.00	579.856	7.695
93.60	596.247	8.284
97.20	612.191	8.904
100.80	627.696	9.565
104.40	642.775	10.266

1000.00 965.434

0.00	0.000	0.000
3.50	27.769	0.146
7.00	54.930	0.301
10.50	81.480	0.467
14.00	107.437	0.642
17.50	132.812	0.825
21.00	157.609	1.023
24.50	181.838	1.230
28.00	205.511	1.451
31.50	228.631	1.686
35.00	251.215	1.932
38.50	273.262	2.192
42.00	294.781	2.471
45.50	315.796	2.761
49.00	336.293	3.074
52.50	356.296	3.400
56.00	375.810	3.748
59.50	394.841	4.114
63.00	413.397	4.500
66.50	431.492	4.910
70.00	449.125	5.339
73.50	466.303	5.798
77.00	483.047	6.280
80.50	499.347	6.790
84.00	515.229	7.330
87.50	530.688	7.895
91.00	545.733	8.499
94.50	560.376	9.138
98.00	574.621	9.811
101.50	588.485	10.518

990.00 887.710

0.00	0.000	0.000
3.30	24.568	0.147
6.60	48.618	0.301
9.90	72.151	0.467
13.20	95.181	0.640
16.50	117.709	0.827
19.80	139.746	1.019
23.10	161.298	1.229
26.40	182.372	1.444
29.70	202.971	1.677
33.00	223.111	1.920
36.30	242.803	2.175
39.60	262.034	2.449
42.90	280.828	2.733
46.20	299.186	3.039
49.50	317.117	3.357
52.80	334.626	3.693
56.10	351.724	4.049
59.40	368.410	4.421
62.70	384.688	4.820
66.00	400.582	5.231
69.30	416.082	5.675
72.60	431.203	6.134
75.90	445.946	6.627
79.20	460.323	7.140
82.50	474.333	7.681
85.80	487.990	8.253
89.10	501.296	8.860
92.40	514.261	9.497
95.70	526.877	10.169

B FACTORS FOR WATER

TF1 (R)	PF1 (PSIA)
980.00	814.854

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
3.20	22.325	0.150
6.40	44.177	0.314
9.60	65.569	0.483
12.80	86.502	0.667
16.00	106.987	0.856
19.20	127.025	1.059
22.40	146.628	1.272
25.60	165.809	1.495
28.80	184.554	1.737
32.00	202.887	1.986
35.20	220.814	2.252
38.40	238.333	2.532
41.60	255.454	2.824
44.80	272.179	3.140
48.00	288.521	3.465
51.20	304.480	3.812
54.40	320.071	4.175
57.60	335.293	4.561
60.80	350.144	4.964
64.00	364.649	5.394
67.20	378.799	5.839
70.40	392.602	6.317
73.60	406.069	6.818
76.80	419.201	7.342
80.00	432.011	7.896
83.20	444.494	8.481
86.40	456.657	9.098
89.60	468.519	9.747
92.80	480.069	10.426

TF1 (R)	PF1 (PSIA)
970.00	746.644

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
3.00	19.585	0.156
6.00	38.777	0.317
9.00	57.576	0.488
12.00	75.991	0.670
15.00	94.034	0.858
18.00	111.694	1.062
21.00	128.993	1.272
24.00	145.933	1.493
27.00	162.507	1.731
30.00	178.730	1.977
33.00	194.607	2.237
36.00	210.145	2.512
39.00	225.342	2.797
42.00	240.199	3.104
45.00	254.742	3.419
48.00	268.960	3.759
51.00	282.851	4.108
54.00	296.438	4.482
57.00	309.714	4.869
60.00	322.685	5.282
63.00	335.359	5.713
66.00	347.740	6.164
69.00	359.832	6.644
72.00	371.643	7.145
75.00	383.162	7.672
78.00	394.422	8.221
81.00	405.399	8.806
84.00	416.112	9.417
87.00	426.564	10.060

TF1 (R)	PF1 (PSIA)
960.00	682.890

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
2.90	17.688	0.159
5.80	35.029	0.325
8.70	52.010	0.506
11.60	68.654	0.692
14.50	84.966	0.888
17.40	100.937	1.099
20.30	116.580	1.316
23.20	131.899	1.548
26.10	146.904	1.791
29.00	161.588	2.043
31.90	175.955	2.315
34.80	190.029	2.594
37.70	203.799	2.894
40.60	217.262	3.204
43.50	230.442	3.533
46.40	243.328	3.877
49.30	255.932	4.239
52.20	268.254	4.617
55.10	280.302	5.020
58.00	292.077	5.443
60.90	303.592	5.882
63.80	314.834	6.345
66.70	325.820	6.833
69.60	336.555	7.346
72.50	347.035	7.879
75.40	357.269	8.448
78.30	367.259	9.035
81.20	377.011	9.666
84.10	386.528	10.315

950.00	623.374

0.00	0.000	0.000
2.80	15.928	0.165
5.60	31.545	0.343
8.40	46.853	0.527
11.20	61.855	0.720
14.00	76.551	0.928
16.80	90.960	1.142
19.60	105.073	1.366
22.40	118.886	1.609
25.20	132.430	1.856
28.00	145.690	2.124
30.80	158.665	2.398
33.60	171.375	2.692
36.40	183.812	2.997
39.20	195.987	3.318
42.00	207.897	3.654
44.80	219.553	4.011
47.60	230.952	4.386
50.40	242.110	4.774
53.20	253.014	5.185
56.00	263.673	5.618
58.80	274.106	6.067
61.60	284.293	6.541
64.40	294.251	7.041
67.20	303.982	7.563
70.00	313.488	8.111
72.80	322.775	8.692
75.60	331.844	9.294
78.40	340.699	9.932
81.20	349.344	10.603

940.00	567.913

0.00	0.000	0.000
2.60	13.781	0.167
5.20	27.304	0.345
7.80	40.570	0.528
10.40	53.590	0.720
13.00	66.353	0.927
15.60	78.880	1.137
18.20	91.166	1.365
20.80	103.204	1.597
23.40	115.016	1.845
26.00	126.590	2.103
28.60	137.941	2.371
31.20	149.059	2.656
33.80	159.959	2.957
36.40	170.638	3.265
39.00	181.101	3.594
41.60	191.354	3.937
44.20	201.387	4.293
46.80	211.219	4.669
49.40	220.847	5.063
52.00	230.269	5.470
54.60	239.493	5.904
57.20	248.521	6.353
59.80	257.356	6.824
62.40	266.001	7.325
65.00	274.458	7.837
67.60	282.730	8.381
70.20	290.820	8.951
72.80	298.730	9.545
75.40	306.464	10.158

930.00	516.309

0.00	0.000	0.000
2.50	12.310	0.179
5.00	24.407	0.359
7.50	36.278	0.554
10.00	47.918	0.755
12.50	59.349	0.964
15.00	70.562	1.189
17.50	81.563	1.417
20.00	92.351	1.664
22.50	102.932	1.917
25.00	113.310	2.185
27.50	123.484	2.467
30.00	133.466	2.757
32.50	143.247	3.067
35.00	152.827	3.387
37.50	162.229	3.720
40.00	171.434	4.075
42.50	180.453	4.438
45.00	189.291	4.828
47.50	197.946	5.226
50.00	206.423	5.648
52.50	214.725	6.094
55.00	222.853	6.550
57.50	230.811	7.035
60.00	238.599	7.542
62.50	246.222	8.072
65.00	253.681	8.614
67.50	260.979	9.191
70.00	268.119	9.795
72.50	275.102	10.429

B FACTORS FOR WATER

TF1 (R)	PF1 (PSIA)
920.00	468.391

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
2.40	10.978	0.180
4.80	21.754	0.374
7.20	32.335	0.571
9.60	42.720	0.783
12.00	52.914	1.000
14.40	62.920	1.234
16.80	72.738	1.474
19.20	82.375	1.726
21.60	91.831	1.991
24.00	101.100	2.265
26.40	110.194	2.556
28.80	119.123	2.856
31.20	127.868	3.171
33.60	136.446	3.501
36.00	144.856	3.851
38.40	153.100	4.206
40.80	161.180	4.588
43.20	169.100	4.982
45.60	176.860	5.393
48.00	184.463	5.827
50.40	191.912	6.281
52.80	199.207	6.751
55.20	206.353	7.236
57.60	213.349	7.750
60.00	220.201	8.289
62.40	226.907	8.853
64.80	233.472	9.441
67.20	239.897	10.053
69.60	246.184	10.690

TF1 (R)	PF1 (PSIA)
910.00	423.958

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
2.20	9.322	0.179
4.40	18.488	0.373
6.60	27.495	0.569
8.80	36.348	0.778
11.00	45.053	0.995
13.20	53.598	1.220
15.40	61.992	1.457
17.60	70.251	1.700
19.80	78.354	1.961
22.00	86.314	2.224
24.20	94.132	2.506
26.40	101.809	2.801
28.60	109.347	3.100
30.80	116.748	3.421
33.00	124.014	3.751
35.20	131.146	4.094
37.40	138.145	4.456
39.60	145.014	4.833
41.80	151.754	5.227
44.00	158.366	5.626
46.20	164.854	6.048
48.40	171.217	6.492
50.60	177.459	6.954
52.80	183.579	7.436
55.00	189.580	7.937
57.20	195.465	8.457
59.40	201.233	8.997
61.60	206.887	9.575
63.80	212.429	10.169

TF1 (R)	PF1 (PSIA)
900.00	382.843

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
2.10	8.230	0.193
4.20	16.317	0.387
6.30	24.270	0.597
8.40	32.101	0.809
10.50	39.786	1.036
12.60	47.344	1.267
14.70	54.773	1.515
16.80	62.075	1.769
18.90	69.249	2.032
21.00	76.299	2.313
23.10	83.225	2.599
25.20	90.030	2.897
27.30	96.714	3.213
29.40	103.279	3.541
31.50	109.727	3.884
33.60	116.058	4.231
35.70	122.275	4.596
37.80	128.378	4.980
39.90	134.370	5.381
42.00	140.252	5.798
44.10	146.024	6.231
46.20	151.689	6.683
48.30	157.248	7.149
50.40	162.702	7.638
52.50	168.052	8.158
54.60	173.301	8.686
56.70	178.448	9.232
58.80	183.497	9.804
60.90	188.448	10.403

890.00	344.875

0.00	0.000	0.000
2.00	7.230	0.193
4.00	14.343	0.402
6.00	21.340	0.620
8.00	28.221	0.838
10.00	34.989	1.073
12.00	41.644	1.320
14.00	48.189	1.567
16.00	54.623	1.831
18.00	60.948	2.108
20.00	67.165	2.395
22.00	73.277	2.695
24.00	79.283	2.996
26.00	85.186	3.317
28.00	90.986	3.652
30.00	96.685	4.001
32.00	102.284	4.365
34.00	107.784	4.742
36.00	113.186	5.135
38.00	118.492	5.541
40.00	123.703	5.963
42.00	128.820	6.416
44.00	133.844	6.876
46.00	138.776	7.348
48.00	143.618	7.843
50.00	148.370	8.356
52.00	153.034	8.900
54.00	157.611	9.457
56.00	162.102	10.028
58.00	166.508	10.642

880.00	309.886

0.00	0.000	0.000
1.90	6.325	0.210
3.80	12.550	0.418
5.70	18.676	0.643
7.60	24.702	0.877
9.50	30.632	1.121
11.40	36.465	1.376
13.30	42.203	1.632
15.20	47.848	1.901
17.10	53.399	2.185
19.00	58.859	2.480
20.90	64.228	2.787
22.80	69.506	3.106
24.70	74.696	3.437
26.60	79.799	3.780
28.50	84.815	4.135
30.40	89.745	4.507
32.30	94.590	4.904
34.20	99.352	5.304
36.10	104.031	5.717
38.00	108.629	6.147
39.90	113.146	6.594
41.80	117.582	7.068
43.70	121.941	7.553
45.60	126.222	8.048
47.50	130.425	8.579
49.40	134.554	9.122
51.30	138.607	9.690
53.20	142.586	10.275
55.10	146.492	10.885

870.00	277.710

0.00	0.000	0.000
1.70	5.201	0.205
3.40	10.327	0.410
5.10	15.377	0.626
6.80	20.353	0.853
8.50	25.255	1.088
10.20	30.084	1.332
11.90	34.841	1.585
13.60	39.526	1.847
15.30	44.141	2.118
17.00	48.686	2.398
18.70	53.162	2.687
20.40	57.569	2.990
22.10	61.908	3.312
23.80	66.180	3.636
25.50	70.386	3.969
27.20	74.526	4.314
28.90	78.602	4.671
30.60	82.613	5.045
32.30	86.561	5.437
34.00	90.446	5.835
35.70	94.269	6.241
37.40	98.030	6.677
39.10	101.730	7.121
40.80	105.371	7.582
42.50	108.952	8.061
44.20	112.475	8.549
45.90	115.939	9.063
47.60	119.347	9.586
49.30	122.697	10.135

B FACTORS FOR WATER

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
860.00	248.190		850.00	221.172		840.00	196.505	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
1.60	4.487	0.211	1.50	3.846	0.227	1.40	3.274	0.233
3.20	8.910	0.430	3.00	7.640	0.455	2.80	6.505	0.469
4.80	13.271	0.656	4.50	11.382	0.688	4.20	9.694	0.708
6.40	17.570	0.890	6.00	15.073	0.928	5.60	12.840	0.953
8.00	21.807	1.131	7.50	18.712	1.177	7.00	15.945	1.214
9.60	25.983	1.380	9.00	22.302	1.432	8.40	19.009	1.484
11.20	30.099	1.647	10.50	25.841	1.700	9.80	22.032	1.754
12.80	34.155	1.921	12.00	29.331	1.984	11.20	25.014	2.042
14.40	38.152	2.199	13.50	32.771	2.268	12.60	27.956	2.335
16.00	42.091	2.484	15.00	36.164	2.558	14.00	30.858	2.633
17.60	45.971	2.781	16.50	39.508	2.863	15.40	33.721	2.949
19.20	49.795	3.086	18.00	42.805	3.186	16.80	36.545	3.269
20.80	53.561	3.409	19.50	46.055	3.508	18.20	39.331	3.596
22.40	57.271	3.745	21.00	49.257	3.848	19.60	42.077	3.941
24.00	60.926	4.084	22.50	52.414	4.198	21.00	44.786	4.300
25.60	64.525	4.431	24.00	55.525	4.552	22.40	47.458	4.665
27.20	68.070	4.803	25.50	58.591	4.928	23.80	50.093	5.032
28.80	71.562	5.183	27.00	61.613	5.309	25.20	52.691	5.420
30.40	75.000	5.572	28.50	64.590	5.702	26.60	55.252	5.823
32.00	78.385	5.984	30.00	67.522	6.116	28.00	57.777	6.240
33.60	81.718	6.398	31.50	70.412	6.543	29.40	60.266	6.667
35.20	85.000	6.834	33.00	73.259	6.975	30.80	62.721	7.107
36.80	88.231	7.280	34.50	76.063	7.421	32.20	65.140	7.560
38.40	91.411	7.740	36.00	78.826	7.889	33.60	67.524	8.031
40.00	94.540	8.223	37.50	81.546	8.275	35.00	69.874	8.513
41.60	97.621	8.723	39.00	84.226	8.875	36.40	72.190	9.009
43.20	100.653	9.229	40.50	86.865	9.389	37.80	74.472	9.519
44.80	103.637	9.755	42.00	89.463	9.918	39.20	76.721	10.049
46.40	106.573	10.305	43.50	92.022	10.470	40.60	78.938	10.595

830.00	174.044		820.00	153.649		810.00	135.182	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
1.30	2.765	0.240	1.20	2.315	0.247	1.10	1.919	0.249
2.60	5.496	0.482	2.40	4.603	0.496	2.20	3.817	0.505
3.90	8.192	0.726	3.60	6.864	0.743	3.30	5.694	0.769
5.20	10.854	0.987	4.80	9.097	1.005	4.40	7.549	1.039
6.50	13.483	1.252	6.00	11.303	1.279	5.50	9.382	1.316
7.80	16.079	1.519	7.20	13.483	1.560	6.60	11.195	1.600
9.10	18.640	1.801	8.40	15.636	1.850	7.70	12.988	1.891
10.40	21.170	2.095	9.60	17.764	2.147	8.80	14.760	2.191
11.70	23.667	2.398	10.80	19.865	2.452	9.90	16.511	2.500
13.00	26.132	2.701	12.00	21.941	2.766	11.00	18.242	2.815
14.30	28.564	3.012	13.20	23.991	3.090	12.10	19.954	3.139
15.60	30.966	3.341	14.40	26.016	3.422	13.20	21.645	3.471
16.90	33.335	3.681	15.60	28.015	3.763	14.30	23.317	3.811
18.20	35.674	4.031	16.80	29.990	4.112	15.40	24.969	4.161
19.50	37.982	4.390	18.00	31.940	4.472	16.50	26.601	4.519
20.80	40.260	4.759	19.20	33.866	4.844	17.60	28.215	4.886
22.10	42.508	5.139	20.40	35.768	5.225	18.70	29.809	5.263
23.40	44.725	5.533	21.60	37.646	5.615	19.80	31.385	5.651
24.70	46.913	5.937	22.80	39.500	6.017	20.90	32.941	6.060
26.00	49.071	6.351	24.00	41.330	6.429	22.00	34.479	6.479
27.30	51.200	6.776	25.20	43.137	6.852	23.10	35.999	6.897
28.60	53.301	7.216	26.40	44.921	7.287	24.20	37.500	7.327
29.90	55.373	7.671	27.60	46.682	7.733	25.30	38.983	7.782
31.20	57.417	8.136	28.80	48.421	8.192	26.40	40.449	8.243
32.50	59.433	8.613	30.00	50.136	8.666	27.50	41.897	8.706
33.80	61.422	9.105	31.20	51.830	9.166	28.60	43.326	9.179
35.10	63.382	9.610	32.40	53.501	9.673	29.70	44.738	9.665
36.40	65.316	10.131	33.60	55.151	10.182	30.80	46.133	10.172
37.70	67.223	10.664	34.80	56.779	10.718	31.90	47.511	10.698

B FACTORS FOR WATER

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
800.00	118.513		790.00	103.513		780.00	90.062	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
1.00	1.573	0.253	0.90	1.272	0.264	0.80	1.013	0.261
2.00	3.130	0.512	1.80	2.532	0.535	1.60	2.017	0.530
3.00	4.670	0.778	2.70	3.779	0.803	2.40	3.011	0.805
4.00	6.194	1.050	3.60	5.014	1.075	3.20	3.997	1.089
5.00	7.701	1.328	4.50	6.237	1.359	4.00	4.974	1.374
6.00	9.192	1.614	5.40	7.448	1.657	4.80	5.942	1.656
7.00	10.668	1.906	6.30	8.647	1.956	5.60	6.901	1.943
8.00	12.128	2.206	7.20	9.834	2.255	6.40	7.852	2.241
9.00	13.572	2.511	8.10	11.010	2.560	7.20	8.793	2.551
10.00	15.000	2.828	9.00	12.172	2.869	8.00	9.726	2.868
11.00	16.413	3.161	9.90	13.324	3.189	8.80	10.651	3.191
12.00	17.810	3.502	10.80	14.464	3.523	9.60	11.567	3.521
13.00	19.192	3.840	11.70	15.593	3.867	10.40	12.474	3.858
14.00	20.559	4.187	12.60	16.710	4.222	11.20	13.373	4.204
15.00	21.911	4.554	13.50	17.815	4.585	12.00	14.264	4.553
16.00	23.249	4.928	14.40	18.910	4.950	12.80	15.146	4.900
17.00	24.572	5.303	15.30	19.993	5.313	13.60	16.020	5.252
18.00	25.880	5.685	16.20	21.066	5.688	14.40	16.886	5.617
19.00	27.172	6.073	17.10	22.127	6.080	15.20	17.745	5.997
20.00	28.451	6.474	18.00	23.178	6.482	16.00	18.595	6.384
21.00	29.716	6.893	18.90	24.217	6.894	16.80	19.436	6.779
22.00	30.966	7.325	19.80	25.245	7.314	17.60	20.270	7.182
23.00	32.202	7.773	20.70	26.263	7.745	18.40	21.096	7.594
24.00	33.425	8.228	21.60	27.271	8.185	19.20	21.914	8.013
25.00	34.633	8.679	22.50	28.267	8.627	20.00	22.725	8.441
26.00	35.829	9.142	23.40	29.254	9.070	20.80	23.527	8.875
27.00	37.010	9.625	24.30	30.230	9.529	21.60	24.322	9.320
28.00	38.178	10.123	25.20	31.196	10.008	22.40	25.109	9.780
29.00	39.332	10.633	26.10	32.151	10.497	23.20	25.889	10.260

770.00	78.041		760.00	67.337		750.00	57.844	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.80	0.903	0.300	0.70	0.703	0.292	0.60	0.533	0.295
1.60	1.798	0.604	1.40	1.399	0.590	1.20	1.063	0.598
2.40	2.685	0.909	2.10	2.090	0.897	1.80	1.588	0.904
3.20	3.563	1.212	2.80	2.775	1.220	2.40	2.110	1.211
4.00	4.433	1.525	3.50	3.455	1.550	3.00	2.627	1.516
4.80	5.295	1.852	4.20	4.129	1.882	3.60	3.141	1.827
5.60	6.149	2.189	4.90	4.796	2.213	4.20	3.651	2.144
6.40	6.995	2.534	5.60	5.459	2.549	4.80	4.157	2.462
7.20	7.833	2.885	6.30	6.115	2.891	5.40	4.659	2.788
8.00	8.663	3.244	7.00	6.766	3.239	6.00	5.157	3.122
8.80	9.485	3.610	7.70	7.411	3.594	6.60	5.652	3.468
9.60	10.299	3.984	8.40	8.051	3.955	7.20	6.143	3.823
10.40	11.106	4.366	9.10	8.685	4.320	7.80	6.631	4.185
11.20	11.904	4.753	9.80	9.314	4.697	8.40	7.114	4.552
12.00	12.695	5.153	10.50	9.938	5.088	9.00	7.594	4.929
12.80	13.479	5.572	11.20	10.556	5.494	9.60	8.070	5.309
13.60	14.255	6.001	11.90	11.168	5.903	10.20	8.542	5.691
14.40	15.024	6.433	12.60	11.776	6.313	10.80	9.011	6.069
15.20	15.784	6.867	13.30	12.378	6.726	11.40	9.477	6.453
16.00	16.538	7.309	14.00	12.975	7.147	12.00	9.938	6.848
16.80	17.284	7.758	14.70	13.566	7.573	12.60	10.396	7.256
17.60	18.023	8.216	15.40	14.152	8.008	13.20	10.851	7.675
18.40	18.754	8.684	16.10	14.733	8.455	13.80	11.301	8.100
19.20	19.479	9.160	16.80	15.309	8.919	14.40	11.749	8.532
20.00	20.197	9.652	17.50	15.881	9.395	15.00	12.193	8.972
20.80	20.907	10.166	18.20	16.447	9.879	15.60	12.635	9.418
21.60	21.610	10.692	18.90	17.007	10.376	16.20	13.072	9.872
22.40	22.306	11.222	19.60	17.563	10.878	16.80	13.505	10.337
23.20	22.996	11.754	20.30	18.114	11.385	17.40	13.935	10.807

B FACTORS FOR WATER

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
740.00	49.459		730.00	42.083		720.00	35.626	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.60	0.470	0.327	0.46	0.316	0.292	0.40	0.241	0.296
1.20	0.937	0.656	0.92	0.631	0.592	0.80	0.480	0.595
1.80	1.400	0.994	1.38	0.943	0.896	1.20	0.717	0.899
2.40	1.859	1.343	1.84	1.254	1.204	1.60	0.954	1.206
3.00	2.315	1.705	2.30	1.563	1.517	2.00	1.189	1.516
3.60	2.767	2.073	2.76	1.870	1.834	2.40	1.423	1.830
4.20	3.215	2.447	3.22	2.176	2.155	2.80	1.656	2.145
4.80	3.661	2.828	3.68	2.479	2.481	3.20	1.888	2.465
5.40	4.103	3.215	4.14	2.780	2.811	3.60	2.118	2.792
6.00	4.541	3.609	4.60	3.080	3.143	4.00	2.347	3.124
6.60	4.976	4.012	5.06	3.378	3.479	4.40	2.574	3.465
7.20	5.407	4.422	5.52	3.673	3.822	4.80	2.800	3.819
7.80	5.835	4.836	5.98	3.967	4.173	5.20	3.025	4.175
8.40	6.259	5.251	6.44	4.259	4.534	5.60	3.249	4.532
9.00	6.681	5.662	6.90	4.549	4.907	6.00	3.471	4.892
9.60	7.099	6.084	7.36	4.837	5.283	6.40	3.692	5.252
10.20	7.514	6.517	7.82	5.124	5.661	6.80	3.912	5.608
10.80	7.925	6.967	8.28	5.408	6.041	7.20	4.131	5.970
11.40	8.333	7.425	8.74	5.691	6.420	7.60	4.349	6.338
12.00	8.738	7.891	9.20	5.973	6.803	8.00	4.565	6.714
12.60	9.139	8.366	9.66	6.252	7.191	8.40	4.780	7.098
13.20	9.538	8.849	10.12	6.530	7.585	8.80	4.994	7.497
13.80	9.933	9.339	10.58	6.806	7.983	9.20	5.206	7.897
14.40	10.326	9.837	11.04	7.080	8.387	9.60	5.418	8.300
15.00	10.715	10.339	11.50	7.353	8.796	10.00	5.628	8.706
15.60	11.100	10.854	11.96	7.624	9.211	10.40	5.837	9.112
16.20	11.483	11.382	12.42	7.893	9.630	10.80	6.045	9.513
16.80	11.862	11.933	12.88	8.160	10.052	11.20	6.252	9.921
17.40	12.238	12.493	13.34	8.426	10.483	11.60	6.458	10.337

710.00	29.998		700.00	25.117		690.00	20.907	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.34	0.178	0.296	0.30	0.136	0.304	0.26	0.101	0.317
0.68	0.355	0.586	0.60	0.271	0.601	0.52	0.202	0.648
1.02	0.531	0.880	0.90	0.405	0.901	0.78	0.302	0.980
1.36	0.706	1.179	1.20	0.539	1.206	1.04	0.402	1.309
1.70	0.881	1.483	1.50	0.672	1.515	1.30	0.502	1.636
2.04	1.054	1.793	1.80	0.805	1.830	1.56	0.601	1.944
2.38	1.227	2.108	2.10	0.937	2.148	1.82	0.700	2.259
2.72	1.399	2.432	2.40	1.069	2.472	2.08	0.798	2.582
3.06	1.569	2.759	2.70	1.200	2.800	2.34	0.896	2.914
3.40	1.740	3.090	3.00	1.330	3.134	2.60	0.994	3.262
3.74	1.909	3.424	3.30	1.460	3.472	2.86	1.091	3.613
4.08	2.077	3.762	3.60	1.589	3.815	3.12	1.187	3.968
4.42	2.245	4.104	3.90	1.718	4.163	3.38	1.284	4.327
4.76	2.412	4.449	4.20	1.846	4.516	3.64	1.380	4.695
5.10	2.578	4.797	4.50	1.973	4.881	3.90	1.476	5.060
5.44	2.743	5.150	4.80	2.100	5.252	4.16	1.571	5.423
5.78	2.907	5.506	5.10	2.226	5.625	4.42	1.666	5.775
6.12	3.071	5.866	5.40	2.352	6.000	4.68	1.761	6.119
6.46	3.234	6.230	5.70	2.477	6.377	4.94	1.855	6.471
6.80	3.396	6.598	6.00	2.602	6.756	5.20	1.949	6.833
7.14	3.557	6.970	6.30	2.726	7.137	5.46	2.042	7.209
7.48	3.717	7.345	6.60	2.849	7.515	5.72	2.135	7.595
7.82	3.877	7.725	6.90	2.972	7.896	5.98	2.227	7.984
8.16	4.036	8.109	7.20	3.094	8.281	6.24	2.320	8.376
8.50	4.193	8.499	7.50	3.216	8.670	6.50	2.411	8.772
8.84	4.350	8.895	7.80	3.337	9.062	6.76	2.502	9.172
9.18	4.507	9.292	8.10	3.458	9.458	7.02	2.593	9.574
9.52	4.662	9.692	8.40	3.578	9.856	7.28	2.684	9.981
9.86	4.817	10.094	8.70	3.698	10.253	7.54	2.775	10.391

B FACTORS FOR WATER

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
680.00	17.296		675.00	15.693		670.00	14.216	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.22	0.073	0.305	0.20	0.061	0.316	0.20	0.057	0.344
0.44	0.146	0.621	0.40	0.123	0.634	0.40	0.113	0.690
0.66	0.219	0.946	0.60	0.184	0.955	0.60	0.169	1.038
0.88	0.291	1.274	0.80	0.244	1.277	0.80	0.226	1.389
1.10	0.364	1.604	1.00	0.305	1.602	1.00	0.281	1.743
1.32	0.436	1.936	1.20	0.365	1.930	1.20	0.337	2.099
1.54	0.507	2.271	1.40	0.425	2.259	1.40	0.393	2.458
1.76	0.579	2.609	1.60	0.486	2.591	1.60	0.448	2.819
1.98	0.650	2.949	1.80	0.545	2.925	1.80	0.503	3.183
2.20	0.721	3.292	2.00	0.605	3.262	2.00	0.558	3.549
2.42	0.792	3.637	2.20	0.665	3.601	2.20	0.613	3.919
2.64	0.862	3.985	2.40	0.724	3.942	2.40	0.667	4.290
2.86	0.933	4.336	2.60	0.783	4.286	2.60	0.722	4.665
3.08	1.003	4.689	2.80	0.842	4.632	2.80	0.776	5.042
3.30	1.072	5.045	3.00	0.901	4.981	3.00	0.830	5.421
3.52	1.142	5.404	3.20	0.959	5.332	3.20	0.884	5.804
3.74	1.211	5.765	3.40	1.018	5.685	3.40	0.938	6.189
3.96	1.280	6.129	3.60	1.076	6.041	3.60	0.992	6.577
4.18	1.348	6.496	3.80	1.134	6.400	3.80	1.045	6.968
4.40	1.417	6.866	4.00	1.191	6.761	4.00	1.098	7.361
4.62	1.485	7.238	4.20	1.249	7.124	4.20	1.151	7.758
4.84	1.553	7.614	4.40	1.306	7.490	4.40	1.204	8.157
5.06	1.621	7.992	4.60	1.363	7.859	4.60	1.256	8.559
5.28	1.689	8.373	4.80	1.420	8.230	4.80	1.308	8.964
5.50	1.756	8.757	5.00	1.477	8.604	5.00	1.360	9.371
5.72	1.823	9.144	5.20	1.534	8.980	5.20	1.413	9.782
5.94	1.889	9.533	5.40	1.590	9.359	5.40	1.465	10.195
6.16	1.956	9.926	5.60	1.646	9.741	5.60	1.516	10.611
6.38	2.022	10.321	5.80	1.703	10.125	5.80	1.568	11.030

665.00	12.856		660.00	11.605		655.00	10.457	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.18	0.047	0.337	0.16	0.038	0.326	0.16	0.035	0.363
0.36	0.094	0.676	0.32	0.076	0.655	0.32	0.070	0.731
0.54	0.140	1.017	0.48	0.114	0.985	0.48	0.105	1.125
0.72	0.187	1.360	0.64	0.152	1.317	0.64	0.140	1.519
0.90	0.233	1.706	0.80	0.190	1.652	0.80	0.175	1.911
1.08	0.280	2.054	0.96	0.228	1.988	0.96	0.210	2.302
1.26	0.326	2.404	1.12	0.266	2.326	1.12	0.244	2.692
1.44	0.372	2.757	1.28	0.303	2.667	1.28	0.279	3.080
1.62	0.418	3.112	1.44	0.340	3.002	1.44	0.313	3.458
1.80	0.463	3.469	1.60	0.378	3.339	1.60	0.347	3.836
1.98	0.509	3.828	1.76	0.415	3.682	1.76	0.381	4.215
2.16	0.554	4.190	1.92	0.452	4.031	1.92	0.415	4.597
2.34	0.599	4.555	2.08	0.489	4.385	2.08	0.449	4.981
2.52	0.644	4.911	2.24	0.526	4.745	2.24	0.482	5.367
2.70	0.689	5.275	2.40	0.563	5.120	2.40	0.516	5.751
2.88	0.734	5.645	2.56	0.599	5.507	2.56	0.550	6.133
3.06	0.778	6.023	2.72	0.636	5.894	2.72	0.583	6.521
3.24	0.823	6.406	2.88	0.673	6.279	2.88	0.617	6.916
3.42	0.867	6.808	3.04	0.709	6.662	3.04	0.650	7.317
3.60	0.911	7.221	3.20	0.745	7.044	3.20	0.683	7.725
3.78	0.956	7.632	3.36	0.782	7.422	3.36	0.717	8.143
3.96	1.000	8.042	3.52	0.818	7.792	3.52	0.750	8.584
4.14	1.044	8.450	3.68	0.854	8.164	3.68	0.783	9.023
4.32	1.087	8.856	3.84	0.890	8.539	3.84	0.816	9.461
4.50	1.131	9.251	4.00	0.926	8.915	4.00	0.849	9.897
4.68	1.174	9.648	4.16	0.962	9.294	4.16	0.882	10.332
4.86	1.217	10.047	4.32	0.998	9.675	4.32	0.914	10.765
5.04	1.261	10.449	4.48	1.033	10.049	4.48	0.947	11.176
5.22	1.304	10.853	4.64	1.068	10.428	4.64	0.979	11.592

B FACTORS FOR WATER

TF1 (R)	PF1 (PSIA)
650.00	9.406

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.14	0.028	0.347
0.28	0.056	0.699
0.42	0.084	1.070
0.56	0.112	1.447
0.70	0.140	1.824
0.84	0.168	2.200
0.98	0.196	2.574
1.12	0.224	2.947
1.26	0.251	3.319
1.40	0.279	3.679
1.54	0.306	4.031
1.68	0.333	4.389
1.82	0.361	4.752
1.96	0.388	5.120
2.10	0.415	5.493
2.24	0.442	5.872
2.38	0.469	6.264
2.52	0.496	6.671
2.66	0.522	7.078
2.80	0.549	7.483
2.94	0.576	7.887
3.08	0.603	8.289
3.22	0.629	8.691
3.36	0.656	9.086
3.50	0.682	9.466
3.64	0.709	9.851
3.78	0.735	10.241
3.92	0.762	10.637
4.06	0.788	11.039

TF1 (R)	PF1 (PSIA)
645.00	8.444

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.12	0.022	0.337
0.24	0.044	0.674
0.36	0.066	1.004
0.48	0.088	1.320
0.60	0.110	1.641
0.72	0.131	1.966
0.84	0.153	2.295
0.96	0.175	2.628
1.08	0.196	2.965
1.20	0.218	3.307
1.32	0.240	3.652
1.44	0.261	4.011
1.56	0.283	4.373
1.68	0.304	4.736
1.80	0.325	5.101
1.92	0.347	5.468
2.04	0.368	5.836
2.16	0.389	6.206
2.28	0.411	6.578
2.40	0.432	6.957
2.52	0.453	7.341
2.64	0.474	7.724
2.76	0.495	8.105
2.88	0.516	8.486
3.00	0.537	8.866
3.12	0.558	9.245
3.24	0.579	9.623
3.36	0.600	9.994
3.48	0.620	10.352

TF1 (R)	PF1 (PSIA)
640.00	7.566

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.12	0.020	0.376
0.24	0.040	0.753
0.36	0.060	1.136
0.48	0.080	1.527
0.60	0.100	1.917
0.72	0.120	2.306
0.84	0.140	2.694
0.96	0.159	3.081
1.08	0.179	3.467
1.20	0.199	3.852
1.32	0.218	4.236
1.44	0.238	4.599
1.56	0.258	4.965
1.68	0.277	5.335
1.80	0.297	5.710
1.92	0.316	6.090
2.04	0.335	6.474
2.16	0.355	6.864
2.28	0.374	7.258
2.40	0.393	7.663
2.52	0.413	8.076
2.64	0.432	8.491
2.76	0.451	8.908
2.88	0.470	9.326
3.00	0.489	9.747
3.12	0.508	10.170
3.24	0.527	10.595
3.36	0.546	11.022
3.48	0.565	11.451

TF1 (R)	PF1 (PSIA)
635.00	6.766

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.10	0.015	0.340
0.20	0.030	0.679
0.30	0.046	1.017
0.40	0.061	1.340
0.50	0.076	1.660
0.60	0.091	1.984
0.70	0.106	2.311
0.80	0.121	2.641
0.90	0.136	2.976
1.00	0.151	3.313
1.10	0.166	3.654
1.20	0.181	3.999
1.30	0.196	4.348
1.40	0.211	4.707
1.50	0.226	5.071
1.60	0.241	5.436
1.70	0.255	5.803
1.80	0.270	6.172
1.90	0.285	6.542
2.00	0.300	6.913
2.10	0.314	7.286
2.20	0.329	7.661
2.30	0.344	8.037
2.40	0.358	8.414
2.50	0.373	8.793
2.60	0.387	9.174
2.70	0.402	9.556
2.80	0.416	9.940
2.90	0.431	10.325

TF1 (R)	PF1 (PSIA)
630.00	6.038

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.10	0.014	0.380
0.20	0.028	0.761
0.30	0.041	1.144
0.40	0.055	1.529
0.50	0.069	1.915
0.60	0.083	2.302
0.70	0.096	2.692
0.80	0.110	3.083
0.90	0.124	3.475
1.00	0.137	3.869
1.10	0.151	4.265
1.20	0.164	4.662
1.30	0.178	5.061
1.40	0.191	5.462
1.50	0.205	5.865
1.60	0.218	6.269
1.70	0.232	6.674
1.80	0.245	7.081
1.90	0.259	7.490
2.00	0.272	7.901
2.10	0.285	8.313
2.20	0.299	8.727
2.30	0.312	9.143
2.40	0.325	9.560
2.50	0.338	9.980
2.60	0.352	10.400
2.70	0.365	10.823
2.80	0.378	11.247
2.90	0.391	11.673

TF1 (R)	PF1 (PSIA)
625.00	5.377

DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000
0.08	0.010	0.335
0.16	0.020	0.672
0.24	0.030	1.010
0.32	0.040	1.348
0.40	0.050	1.688
0.48	0.060	2.029
0.56	0.070	2.372
0.64	0.080	2.715
0.72	0.090	3.060
0.80	0.100	3.405
0.88	0.110	3.752
0.96	0.120	4.100
1.04	0.129	4.450
1.12	0.139	4.800
1.20	0.149	5.152
1.28	0.159	5.504
1.36	0.169	5.858
1.44	0.179	6.213
1.52	0.188	6.570
1.60	0.198	6.927
1.68	0.208	7.286
1.76	0.218	7.646
1.84	0.227	8.007
1.92	0.237	8.369
2.00	0.247	8.733
2.08	0.256	9.098
2.16	0.266	9.464
2.24	0.276	9.831
2.32	0.285	10.199

B FACTORS FOR WATER

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
620.00	4.779		615.00	4.237		610.00	3.749	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.08	0.009	0.371	0.08	0.008	0.412	0.06	0.006	0.360
0.16	0.018	0.744	0.16	0.016	0.825	0.12	0.011	0.720
0.24	0.027	1.117	0.24	0.025	1.239	0.18	0.017	1.079
0.32	0.036	1.492	0.32	0.033	1.655	0.24	0.022	1.438
0.40	0.045	1.869	0.40	0.041	2.062	0.30	0.028	1.797
0.48	0.054	2.246	0.48	0.049	2.470	0.36	0.033	2.145
0.56	0.063	2.625	0.56	0.057	2.883	0.42	0.039	2.484
0.64	0.072	3.006	0.64	0.065	3.298	0.48	0.044	2.825
0.72	0.081	3.387	0.72	0.074	3.718	0.54	0.050	3.168
0.80	0.090	3.770	0.80	0.082	4.141	0.60	0.055	3.514
0.88	0.099	4.154	0.88	0.090	4.567	0.66	0.061	3.862
0.96	0.108	4.540	0.96	0.098	4.997	0.72	0.066	4.212
1.04	0.117	4.926	1.04	0.106	5.431	0.78	0.072	4.564
1.12	0.126	5.314	1.12	0.114	5.868	0.84	0.077	4.919
1.20	0.135	5.704	1.20	0.122	6.309	0.90	0.083	5.275
1.28	0.144	6.095	1.28	0.130	6.753	0.96	0.088	5.634
1.36	0.153	6.482	1.36	0.138	7.211	1.02	0.094	5.996
1.44	0.162	6.865	1.44	0.146	7.686	1.08	0.099	6.359
1.52	0.170	7.252	1.52	0.154	8.160	1.14	0.104	6.725
1.60	0.179	7.641	1.60	0.162	8.633	1.20	0.110	7.094
1.68	0.188	8.034	1.68	0.170	9.107	1.26	0.115	7.464
1.76	0.197	8.430	1.76	0.178	9.579	1.32	0.121	7.837
1.84	0.206	8.829	1.84	0.186	10.051	1.38	0.126	8.230
1.92	0.214	9.232	1.92	0.194	10.523	1.44	0.131	8.626
2.00	0.223	9.638	2.00	0.201	10.994	1.50	0.137	9.021
2.08	0.232	10.047	2.08	0.209	11.465	1.56	0.142	9.417
2.16	0.241	10.460	2.16	0.217	11.935	1.62	0.148	9.812
2.24	0.249	10.876	2.24	0.225	12.405	1.68	0.153	10.207
2.32	0.258	11.295	2.32	0.233	12.874	1.74	0.158	10.602

605.00	3.309		600.00	2.914		595.00	2.560	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.06	0.005	0.387	0.06	0.004	0.431	0.06	0.004	0.506
0.12	0.010	0.776	0.12	0.009	0.866	0.12	0.008	1.014
0.18	0.015	1.167	0.18	0.013	1.303	0.18	0.012	1.523
0.24	0.020	1.561	0.24	0.018	1.742	0.24	0.016	2.034
0.30	0.025	1.958	0.30	0.022	2.185	0.30	0.020	2.546
0.36	0.030	2.369	0.36	0.027	2.637	0.36	0.024	3.059
0.42	0.035	2.791	0.42	0.031	3.097	0.42	0.028	3.574
0.48	0.040	3.214	0.48	0.036	3.558	0.48	0.032	4.091
0.54	0.045	3.636	0.54	0.040	4.021	0.54	0.036	4.609
0.60	0.050	4.058	0.60	0.045	4.485	0.60	0.040	5.128
0.66	0.055	4.480	0.66	0.049	4.950	0.66	0.044	5.649
0.72	0.060	4.901	0.72	0.053	5.417	0.72	0.048	6.171
0.78	0.064	5.322	0.78	0.058	5.885	0.78	0.052	6.695
0.84	0.069	5.743	0.84	0.062	6.354	0.84	0.056	7.220
0.90	0.074	6.163	0.90	0.067	6.824	0.90	0.060	7.747
0.96	0.079	6.583	0.96	0.071	7.296	0.96	0.064	8.275
1.02	0.084	7.003	1.02	0.075	7.769	1.02	0.068	8.804
1.08	0.089	7.422	1.08	0.080	8.244	1.08	0.072	9.336
1.14	0.094	7.841	1.14	0.084	8.719	1.14	0.075	9.868
1.20	0.099	8.260	1.20	0.089	9.196	1.20	0.079	10.403
1.26	0.104	8.678	1.26	0.093	9.675	1.26	0.083	10.938
1.32	0.109	9.096	1.32	0.097	10.154	1.32	0.087	11.475
1.38	0.113	9.494	1.38	0.102	10.646	1.38	0.091	12.026
1.44	0.118	9.891	1.44	0.106	11.140	1.44	0.095	12.579
1.50	0.123	10.290	1.50	0.110	11.634	1.50	0.099	13.132
1.56	0.128	10.692	1.56	0.115	12.127	1.56	0.103	13.685
1.62	0.133	11.096	1.62	0.119	12.620	1.62	0.107	14.237
1.68	0.138	11.503	1.68	0.123	13.112	1.68	0.110	14.789
1.74	0.142	11.912	1.74	0.128	13.605	1.74	0.114	15.341

B FACTORS FOR WATER

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
590.00	2.243		585.00	1.960		580.00	1.708	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.04	0.002	0.378	0.04	0.002	0.425	0.04	0.002	0.479
0.08	0.005	0.757	0.08	0.004	0.851	0.08	0.004	0.958
0.12	0.007	1.137	0.12	0.006	1.278	0.12	0.006	1.439
0.16	0.010	1.517	0.16	0.009	1.705	0.16	0.008	1.921
0.20	0.012	1.898	0.20	0.011	2.133	0.20	0.009	2.403
0.24	0.014	2.280	0.24	0.013	2.563	0.24	0.011	2.887
0.28	0.017	2.663	0.28	0.015	2.993	0.28	0.013	3.372
0.32	0.019	3.046	0.32	0.017	3.424	0.32	0.015	3.857
0.36	0.021	3.430	0.36	0.019	3.846	0.36	0.017	4.333
0.40	0.024	3.815	0.40	0.021	4.267	0.40	0.019	4.808
0.44	0.026	4.201	0.44	0.023	4.690	0.44	0.021	5.285
0.48	0.029	4.587	0.48	0.025	5.115	0.48	0.023	5.764
0.52	0.031	4.974	0.52	0.028	5.542	0.52	0.024	6.245
0.56	0.033	5.362	0.56	0.030	5.971	0.56	0.026	6.728
0.60	0.036	5.750	0.60	0.032	6.401	0.60	0.028	7.213
0.64	0.038	6.140	0.64	0.034	6.833	0.64	0.030	7.700
0.68	0.040	6.530	0.68	0.036	7.268	0.68	0.032	8.189
0.72	0.043	6.920	0.72	0.038	7.704	0.72	0.034	8.681
0.76	0.045	7.312	0.76	0.040	8.141	0.76	0.036	9.175
0.80	0.047	7.704	0.80	0.042	8.581	0.80	0.038	9.670
0.84	0.050	8.097	0.84	0.044	9.023	0.84	0.039	10.168
0.88	0.052	8.491	0.88	0.046	9.466	0.88	0.041	10.668
0.92	0.055	8.885	0.92	0.049	9.912	0.92	0.043	11.171
0.96	0.057	9.281	0.96	0.051	10.359	0.96	0.045	11.675
1.00	0.059	9.677	1.00	0.053	10.808	1.00	0.047	12.182
1.04	0.062	10.073	1.04	0.055	11.259	1.04	0.049	12.690
1.08	0.064	10.471	1.08	0.057	11.712	1.08	0.050	13.201
1.12	0.066	10.869	1.12	0.059	12.167	1.12	0.052	13.714
1.16	0.069	11.268	1.16	0.061	12.624	1.16	0.054	14.229

575.00	1.485		570.00	1.287		565.00	1.113	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.04	0.002	0.566	0.04	0.001	0.641	0.02	0.001	0.368
0.08	0.003	1.133	0.08	0.003	1.283	0.04	0.001	0.736
0.12	0.005	1.699	0.12	0.004	1.924	0.06	0.002	1.104
0.16	0.007	2.265	0.16	0.006	2.565	0.08	0.003	1.473
0.20	0.008	2.831	0.20	0.007	3.206	0.10	0.003	1.843
0.24	0.010	3.397	0.24	0.009	3.846	0.12	0.004	2.212
0.28	0.012	3.962	0.28	0.010	4.487	0.14	0.005	2.582
0.32	0.013	4.528	0.32	0.012	5.128	0.16	0.005	2.953
0.36	0.015	5.082	0.36	0.013	5.742	0.18	0.006	3.324
0.40	0.017	5.633	0.40	0.015	6.349	0.20	0.007	3.695
0.44	0.018	6.185	0.44	0.016	6.960	0.22	0.007	4.067
0.48	0.020	6.738	0.48	0.018	7.573	0.24	0.008	4.439
0.52	0.022	7.292	0.52	0.019	8.188	0.26	0.009	4.811
0.56	0.023	7.847	0.56	0.021	8.807	0.28	0.009	5.184
0.60	0.025	8.404	0.60	0.022	9.428	0.30	0.010	5.557
0.64	0.027	8.962	0.64	0.024	10.052	0.32	0.010	5.931
0.68	0.028	9.520	0.68	0.025	10.679	0.34	0.011	6.310
0.72	0.030	10.080	0.72	0.027	11.308	0.36	0.012	6.694
0.76	0.032	10.641	0.76	0.028	11.941	0.38	0.012	7.079
0.80	0.033	11.204	0.80	0.030	12.576	0.40	0.013	7.463
0.84	0.035	11.767	0.84	0.031	13.213	0.42	0.014	7.847
0.88	0.037	12.331	0.88	0.032	13.854	0.44	0.014	8.231
0.92	0.038	12.897	0.92	0.034	14.497	0.46	0.015	8.616
0.96	0.040	13.464	0.96	0.035	15.144	0.48	0.016	9.000
1.00	0.042	14.032	1.00	0.037	15.793	0.50	0.016	9.384
1.04	0.043	14.601	1.04	0.038	16.445	0.52	0.017	9.769
1.08	0.045	15.171	1.08	0.040	17.099	0.54	0.018	10.153
1.12	0.046	15.743	1.12	0.041	17.757	0.56	0.018	10.537
1.16	0.048	16.315	1.16	0.043	18.417	0.58	0.019	10.921

B FACTORS FOR WATER

TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)		TF1 (R)	PF1 (PSIA)	
560.00	0.959		555.00	0.824		550.00	0.705	
DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B	DTV (R)	DPV (PSIA)	B
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.02	0.001	0.414	0.02	0.001	0.478	0.02	0.000	0.572
0.04	0.001	0.829	0.04	0.001	0.956	0.04	0.001	1.144
0.06	0.002	1.243	0.06	0.002	1.435	0.06	0.001	1.716
0.08	0.002	1.658	0.08	0.002	1.915	0.08	0.002	2.288
0.10	0.003	2.072	0.10	0.003	2.395	0.10	0.002	2.861
0.12	0.003	2.486	0.12	0.003	2.876	0.12	0.003	3.433
0.14	0.004	2.901	0.14	0.004	3.357	0.14	0.003	4.005
0.16	0.005	3.315	0.16	0.004	3.838	0.16	0.004	4.577
0.18	0.005	3.729	0.18	0.005	4.320	0.18	0.004	5.150
0.20	0.006	4.144	0.20	0.005	4.803	0.20	0.004	5.722
0.22	0.006	4.558	0.22	0.006	5.286	0.22	0.005	6.295
0.24	0.007	4.972	0.24	0.006	5.770	0.24	0.005	6.867
0.26	0.007	5.387	0.26	0.007	6.255	0.26	0.006	7.439
0.28	0.008	5.801	0.28	0.007	6.739	0.28	0.006	8.012
0.30	0.009	6.215	0.30	0.008	7.225	0.30	0.007	8.585
0.32	0.009	6.629	0.32	0.008	7.711	0.32	0.007	9.157
0.34	0.010	7.032	0.34	0.009	8.197	0.34	0.007	9.722
0.36	0.010	7.423	0.36	0.009	8.684	0.36	0.008	10.280
0.38	0.011	7.816	0.38	0.010	9.172	0.38	0.008	10.839
0.40	0.011	8.209	0.40	0.010	9.660	0.40	0.009	11.398
0.42	0.012	8.603	0.42	0.011	10.148	0.42	0.009	11.958
0.44	0.013	8.999	0.44	0.011	10.638	0.44	0.010	12.518
0.46	0.013	9.395	0.46	0.012	11.127	0.46	0.010	13.079
0.48	0.014	9.792	0.48	0.012	11.617	0.48	0.011	13.641
0.50	0.014	10.190	0.50	0.013	12.108	0.50	0.011	14.203
0.52	0.015	10.588	0.52	0.013	12.600	0.52	0.011	14.767
0.54	0.015	10.988	0.54	0.014	13.091	0.54	0.012	15.330
0.56	0.016	11.389	0.56	0.014	13.584	0.56	0.012	15.894
0.58	0.017	11.790	0.58	0.015	14.077	0.58	0.013	16.459

545.00	0.602		540.00	0.512		535.00	0.434	
0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.000	0.000
0.02	0.000	0.653	0.02	0.000	0.747	0.02	0.000	0.864
0.04	0.001	1.306	0.04	0.001	1.494	0.04	0.001	1.727
0.06	0.001	1.885	0.06	0.001	2.241	0.06	0.001	2.590
0.08	0.002	2.542	0.08	0.001	2.987	0.08	0.001	3.453
0.10	0.002	3.200	0.10	0.002	3.587	0.10	0.001	4.315
0.12	0.002	3.857	0.12	0.002	4.344	0.12	0.002	5.021
0.14	0.003	4.514	0.14	0.002	5.101	0.14	0.002	5.896
0.16	0.003	5.171	0.16	0.003	5.858	0.16	0.002	6.771
0.18	0.003	5.829	0.18	0.003	6.616	0.18	0.003	7.646
0.20	0.004	6.486	0.20	0.003	7.373	0.20	0.003	8.522
0.22	0.004	7.144	0.22	0.004	8.131	0.22	0.003	9.398
0.24	0.005	7.801	0.24	0.004	8.888	0.24	0.003	10.273
0.26	0.005	8.459	0.26	0.004	9.646	0.26	0.004	11.149
0.28	0.005	9.116	0.28	0.005	10.404	0.28	0.004	12.025
0.30	0.006	9.774	0.30	0.005	11.161	0.30	0.004	12.901
0.32	0.006	10.432	0.32	0.005	11.919	0.32	0.005	13.777
0.34	0.007	11.081	0.34	0.006	12.657	0.34	0.005	14.631
0.36	0.007	11.722	0.36	0.006	13.376	0.36	0.005	15.462
0.38	0.007	12.363	0.38	0.006	14.097	0.38	0.005	16.295
0.40	0.008	13.006	0.40	0.007	14.819	0.40	0.006	17.130
0.42	0.008	13.649	0.42	0.007	15.543	0.42	0.006	17.968
0.44	0.008	14.293	0.44	0.007	16.269	0.44	0.006	18.807
0.46	0.009	14.937	0.46	0.008	16.996	0.46	0.007	19.648
0.48	0.009	15.583	0.48	0.008	17.725	0.48	0.007	20.491
0.50	0.010	16.229	0.50	0.008	18.456	0.50	0.007	21.336
0.52	0.010	16.876	0.52	0.009	19.188	0.52	0.007	22.183
0.54	0.010	17.523	0.54	0.009	19.922	0.54	0.008	23.032
0.56	0.011	18.172	0.56	0.009	20.658	0.56	0.008	23.759
0.58	0.011	18.821	0.58	0.010	21.172	0.58	0.008	24.606

Appendix H: Computer interpolation routine used to obtain property data for water and refrigerant 114 at temperatures intermediate to values listed in property data compilations.

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FTN5.4H                                                          11/10/70

      FUNCTION ATKINT(X,YMAT,XMAT,NELMTS,NMAX,NESSY,ACRCY)
C     THIS PROGRAM HAS BEEN CHANGED SO THAT THE OSCILLATING NATURE OF
C     THE MATRIX TO BE INTERPOLATED EXISTS ONLY AT THE UPPER END OF THE
C     TABLE
C     THIS ROUTINE WILL TAKE INPUT MATRICES OF UP TO 999 ELEMENTS EACH,
C     ARRANGED SO THAT THE X MATRIX(XMAT) IS IN EITHER ASCENDING OR
C     DESCENDING ORDER,SELECT NMAX OF THESE POINTS,CHOSEN SO THAT
C     SUCESSIVE X VALUES OSCILATE ABOUT THE VALUE OF THE ARGUMENT X
C     UNLESS THE ENDS OF THE XMATRIX INTERFERE (IN THIS CASE THE
C     OSCILATORY NATURE IS LOST BUT THE PROGRAM WILL STILL PERFORM AN
C     INTERPOLATION), INTERPOLATE ON THESE NMAX PAIRS OF DATA BY
C     AN OSCILATING VARIABLE POINT AITKEN INTERPOLATION ALGORITHM
C     EITHER UNTIL THE PERCENTAGE CHANGE IN THE INTERPOLANT IS LESS
C     THAN THE ACRCY ARGUMENT(THE ARGUMENT NESSY INDICATES THE
C     NUMBER OF THE POINT JUST BEFORE THE LAST ONE CHECKED) OR UNTIL
C     THE NMAX POINTS ARE ALL USED.  IT IS SUGGESTED THAT NMAX
C     BE LESS THAN 10, AND OF COURSE LESS THAN NELMTS.  NELMTS
C     INDICATES THE NUMBER OF ELEMENTS IN XMAT OR YMAT.
C     IF NESSY IS ZERO IT INDICATES THAT THE INTERPOLATION REQUIREMENT
C     HAS NOT BEEN SATISFIED.  IF NESSY IS 1 IT MEANS THAT THE VALUE OF
C     X LIES OUT SIDE THE RANGE OF XMAT.
      DIMENSION YMAT(999), XMAT(999),A(21,20)
  100 FORMAT(42HINTERPOLATION REQUIREMENT NOT SATISFIED(X=,E16.8,1H)/33H
     1LAST 2 APPROXIMATIONS OF Y ARE(Y=,E16.8,1H,,E16.8,1H))
  200 FORMAT(55HTHIS REPRESENTS AN EXTRAPOLATION OF THE  XMAT MATRIX(X=,
     1E16.8,1H)/33HNO CALCULATION HAS BEEN PERFORMED)
  300 FORMAT(24HNELMTS IS LESS THAN NMAX)
  400 FORMAT(22HNMAX IS LARGER THAN 20)
      IF(NMAX-20)71,71,69
   69 WRITE OUTPUT TAPE 6,400
      ATKINT=0.0
      RETURN
   71 IF(NMAX-NELMTS)75,75,73
   73 WRITE OUTPUT TAPE 6,300
      ATKINT=0.0
      RETURN
   75 CONTINUE
C     FIRST TWO SUCCESSIVE VALUES OF THE XMATRIX THAT STRADDLE THE
C     VALUE X WILL BE SOUGHT
      JJ1=NELMTS-1
      DO 20 I=1,JJ1
      DIF1=X-XMAT(I)
      DIF2=XMAT(I+1)-X
      IF(DIF1)16,15,16
   15 ATKINT=YMAT(I)
      NESSY =NMAX
      RETURN
   16 IF(DIF2)18,17,18
   17 ATKINT=YMAT(I+1)
      NESSY =NMAX
      RETURN
   18 RATIO=DIF1/ DIF2
      IF(RATIO)20,20,19
   19 IMID=I
      GO TO 32
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```
   20 CONTINUE
C     AT THIS POINT ONE COULD PRINT THE FOLLOWING STATEMENT
C     WRITE OUTPUT TAPE 6,200,X
      NESSY=1
      ATKINT=0.0
      RETURN
   32 CONTINUE
C     NOTE THAT RATIO IS POSITIVE IF THE TWO POINTS STRADDLE X
C     REGARDLESS WHICH IS LARGER
      JJJ=IMID
      JUP=IMID
      JDN=IMID
      IF(JJJ+NMAX-NELMTS+1)98,98,102
   98 DO 201 J=1,NMAX
      JJJ=IMID+J-1
      A(1,J)=XMAT(JJJ)
  201 A(2,J)=YMAT(JJJ)
      GO TO 203
  102 DO 41 J=1,NMAX
      JJ=J/2
      JOE=J-2*JJ
C     JOE IS 0 IF J IS EVEN AND 1 IF J IS ODD
      IF(J-1)33,40,33
   33 IF(JDN-1)34,36,34
   34 IF(JUP-NELMTS)35,37,35
   35 IF(JOE)37,36,37
   36 JUP=JUP+1
      JJJ=JUP
      GO TO 40
   37 JDN=JDN-1
      JJJ=JDN
      GO TO 40
   40 A(1,J)=XMAT(JJJ)
      A(2,J)=YMAT(JJJ)
   41 CONTINUE
  203 NNN=NMAX+1
      DO 6 J=3,NNN
      L=J-1
      DO 5 K=L,NMAX
C     J IS THE COLUMN NUMBER
C     K IS THE ROW NUMBER
     0A(J,K)=(A(J-1,K)-A(J-1,J-2))*(X-A(1,J-2))/(A(1,K)-A(1,J-2))
     1      +A(J-1,J-2)
      IF(K-L)3,2,3
    2 IF(ABSF((A(J,L)-A(J-1,L-1))/A(J,L))-ACRCY/100.0)7,7,3
    3 CONTINUE
    5 CONTINUE
    6 CONTINUE
      NESSY=0
C     AT THIS POINT ONE COULD PRINT OUT THE FOLLOWING STATEMENT.
C     WRITE OUTPUT TAPE 6,100,X,A(NNN,NMAX),A(NNN-1,NMAX-1)
      ATKINT=A(NNN,NMAX)
      RETURN
    7 NESSY=J-1
      ATKINT=A(J,L)
      RETURN
      END
```


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