

Manual of Petroleum Measurement Standards

Chapter 11.2.2M—Compressibility Factors for Hydrocarbons: 350–637 Kilograms per Cubic Metre Density (15°C) and –46°C to 60°C Metering Temperature

GPA 8286-86 (M)

FIRST EDITION, OCTOBER 1986

REAFFIRMED, DECEMBER 2012



AMERICAN PETROLEUM INSTITUTE



The American Petroleum Institute maintains this standard under continuous maintenance procedures.

These procedures establish a documented program for regular publication of addenda or revisions, including timely and documented consensus action on requests for revisions to any part of the standard. Proposed revisions shall be submitted at any time to the Director, Standards, American Petroleum Institute, 200 Massachusetts Avenue, NW, Suite 1100, Washington, DC 20001, standards@api.org.

Committee Preview only - Not For Redistribution

Manual of Petroleum Measurement Standards

Chapter 11.2.2M—Compressibility Factors for Hydrocarbons: 350–637 Kilograms per Cubic Metre Density (15°C) and –46°C to 60°C Metering Temperature

Measurement Coordination

GPA 8286-86 (M)

FIRST EDITION, OCTOBER 1986

REAFFIRMED, DECEMBER 2012



AMERICAN PETROLEUM INSTITUTE



FOREWORD

This publication provides tables to correct hydrocarbon volumes metered under pressure to corresponding volumes at the equilibrium pressure for the metered temperature. The parallel publication in customary units is the *Manual of Petroleum Measurement Standards*, Chapter 11.2.2.

The table presented in this volume is also available from API as a computer tape, along with a manual containing the text information in this publication.

Suggested revisions are invited and should be submitted to the director, Measurement Coordination Department, American Petroleum Institute, 1220 L Street, N.W., Washington, D.C. 20005.

COMMITTEE ON STATIC PETROLEUM MEASUREMENT WORKING GROUP ON COMPRESSIBILITY

F. P. Gielzecki (Retired)
Imperial Oil, Ltd.

K. M. Goin, Ph.D.
Cities Service Oil and Gas Corporation

R. A. Griffith (Chairman, Retired)
Texaco Trading and Transportation Company

R. B. Hall
Texas Eastern Transmission Company

J. A. Hamshar
Cities Service Oil and Gas Corporation

K. T. Liu, Ph.D.
Chevron Oil Field Research Company

M. A. Plummer, Ph.D.
Marathon Oil Company

J. Polowek
Interprovincial Pipe Line Ltd.

G. W. Singletary (Deceased)
Texas Eastern Transmission Company

G. W. Swinney (Retired)
Phillips Petroleum Company

CONTENTS

CHAPTER 11.2.2M—COMPRESSIBILITY FACTORS FOR HYDROCARBONS: 350–637 KILOGRAMS PER CUBIC METRE DENSITY (15°C) AND –46°C TO 60°C METERING TEMPERATURE

	PAGE
11.2.2.1M Scope	1
11.2.2.2M History and Development	1
11.2.2.3M Type of Standard and Limits	1
11.2.2.4M Example Use of the Standard	1
11.2.2.5M Data Base	2
11.2.2.6M Basic Model	5
11.2.2.7M Uncertainty Analysis	6
11.2.2.8M Calculation Procedure	8
11.2.2.9M References	12
Table of Compressibility Factors for Hydrocarbons: 350–637 Kilograms per Cubic Metre Density (15°C) and –46°C to 60°C Metering Temperature	13
Text Tables	
1—Summary of Data Base	2
2—Data Mixture Compositions (Mole Percent)	4
3—Effect of Pressure on Compressibility Factors	6
4—Expected Frequency of Errors When Using Temperatures to the Nearest 0.25°C Versus the Nearest 0.5°F	6
Figures	
1—Limits of Data Base by Relative Density and Temperature	3
2—Uncertainties (95-Percent Confidence Level) in Volume Versus Temperature and Relative Density	7

Chapter 11—Physical Properties Data

SECTION 2—VOLUME CORRECTION FACTORS FOR METER PROVING AND HYDROCARBON COMPRESSIBILITY

11.2.2M Compressibility Factors for Hydrocarbons: 350–637 Kilograms per Cubic Metre Density (15°C) and –46°C to 60°C Metering Temperature

11.2.2.1M SCOPE

The purpose of this standard is to correct hydrocarbon volumes metered under pressure to the corresponding volumes at the equilibrium pressure for the metered temperature. This standard contains compressibility factors related to the meter temperature and density at 15°C of the metered material. The corresponding customary version is Chapter 11.2.2.

11.2.2.2M HISTORY AND DEVELOPMENT

The previous API standard for hydrocarbon compressibility, Standard 1101, *Measurement of Petroleum Liquid Hydrocarbons by Positive Displacement Meter*, was developed from graphical correlations prepared in 1945. This standard was based on limited data with only a few points for pure fluids in the range from propane to pentane. No lighter mixtures and no effect of pressure on the compressibility factor were considered. In addition, no metric (SI) version was available.

In 1981, the Committee on Static Petroleum Measurement formed a subcommittee, the Hydrocarbon Compressibility Group, to revise the compressibility tables of Standard 1101. As a result of an extensive literature survey, the data base found for the relative density portion of the table covers a broader range than that used in Standard 1101 but is lacking in data for unsaturated hydrocarbons. The data base was used to develop a mathematical model that includes the effect of pressure on the compressibility factor. The printed table produced from the model is the standard. This standard replaces the discontinued Standard 1101 and the first edition of Chapter 11.2.2, *Compressibility Factors for Hydrocarbons: 0.500–0.611 Relative Density Range and 20–128°F*.

11.2.2.3M TYPE OF STANDARD AND LIMITS

The actual standard is the printed table of 251 pages that follows this text. The increments used in the table are 0.25°C and 2 kilograms per cubic metre. Interpolation to 1 kilogram per cubic metre in density is allowed. Compressibilities are in the usual units of reciprocal kilopascals but are calculated from two terms, A and B , and the pressure difference from

equilibrium, D_p . This is necessary to obtain the desired accuracy in volume because of the important effect of pressure on the compressibility factor for light hydrocarbons. The range of the table is from –46°C to 60°C and from 350 to 637 kilograms per cubic metre density (15°C), for use with pressure differences above equilibrium from 0 to 15,200 kilopascals.

The equation used to generate the table is given for those who wish to duplicate the table using their specific computer and language. Identical table information is available on a computer tape. The use of this computer tape to verify individually developed computer subroutines is highly recommended.

11.2.2.4M EXAMPLE USE OF THE STANDARD

In this standard, the compressibility factor (F) is used in the normal manner for volume correction (* denotes multiplication):

$$C_{pl} = V_e/V_m = 1/(1 - F * D_p)$$

Where:

C_{pl} = correction factor for pressure.

V_e = volume at the equilibrium (bubble point) pressure, P_e .

V_m = volume at the meter pressure, P_m .

$D_p = P_m - P_e$.

P_e and P_m may be in either kilopascals gage or kilopascals absolute, but both must be in the same units.

As an example, calculate the volume at equilibrium pressure of 1000 cubic metres (V_m) of a material with a density (15°C) of 530.4 kilograms per cubic metre metered under a pressure of 5000 kilopascals at a temperature of 5.1°C. The equilibrium pressure (P_e) for this material at 5.1°C is 450 kilopascals. The rounded density and temperature values of 530 kilograms per cubic metre and 5.0°C yield an A factor of 281,093 and a B factor of 5.504. The compressibility factor (F) is calculated as follows:

$$\begin{aligned} F &= 1/(A + D_p * B) \\ &= 1/[281,093 + (5000 - 450) * 5.504] \\ &= 0.000003267 \end{aligned}$$

The value for F is rounded to the ninth decimal place, to the maximum of four significant digits.

Then,

$$C_{pl} = 1/[1.0 - 0.000003267 * (5000 - 450)] \\ = 1.0151$$

The value for C_{pl} is rounded to the maximum of four decimal places.

$$V_e = V_m * C_{pl} \\ = 1000 * 1.0151 \\ = 1015.1 \text{ cubic metres}$$

The value for V_e is rounded to the nearest 0.1 cubic metre.

11.2.2.5M DATA BASE

An initial 2278 data points were obtained from the literature for pure fluid compounds and mixtures of light hydrocarbon liquids. These data were examined to eliminate data for gases, data with large errors, and data with other abnormalities. The final data base used in this standard consists of 1724 data points from 13 sources (see Table 1). This metric standard was derived from the data base in U.S.

customary units, so all discussion of the data base is limited to customary units.

The ranges of the experimental data were relative densities (60°F/60°F) from 0.3477 to 0.6312, temperatures from -28°F to 160°F, and pressure differences from 41 to 2036 pounds per square inch gage (see Figure 1). The actual ranges for the standard, as determined by an API survey, are relative densities (60°F/60°F) from 0.350 to 0.637, temperatures from -50°F to 140°F, and pressure differences from 0 to 2200 pounds per square inch gage. Hence, some portions of the standard represent extrapolated results. The uncertainty analysis presented in 11.2.2.7M may not be valid for these extrapolated portions. For the lower relative densities, 140°F is above the pseudocritical temperature at which liquid exists. For these fluids, the range is restricted to 96 percent of the pseudocritical temperature.

The data set contains 46 different mixtures of normal hydrocarbons from methane to decane. The compositions of the mixtures are listed in Table 2. The use of the standard for compositions not close to those in the data base represents an extrapolation whose results may have a greater uncertainty.

Table 1—Summary of Data Base

Sample	Relative Density (60°/60°F)	Temperature (°F)	Pressure (pounds per square inch gage)	Number of Data Points	References
NGPA/TP2	0.35–0.61	32–140	180–2000	455	12
NGPA/TP1	0.35–0.51	40–130	150–2000	218	21
Cal Tech	0.50–0.63	70–160	100–2000	157	9, 10, 13, 14, 15, 16, 17
Tulsa	0.35–0.51	-20–120	100–1500	542	1
Manley/Swift	0.508	-20–100	300–1600	13	8
Pope	0.356	-25–63	198–1788	36	11
Straty	0.356	-28–66	320–2200	67	18
Douslin	0.356	-13–32	460–2100	5	3
Dittmar	0.508	32–140	140–2120	33	2
Haynes	0.51–0.58	-28–80	242–2040	81	5, 6, 7
Ely	0.508	-28–100	121–2130	57	4
Thomas	0.508	32–122	121–1477	50	20
Teichmann	0.508	122–149	400–1465	10	19

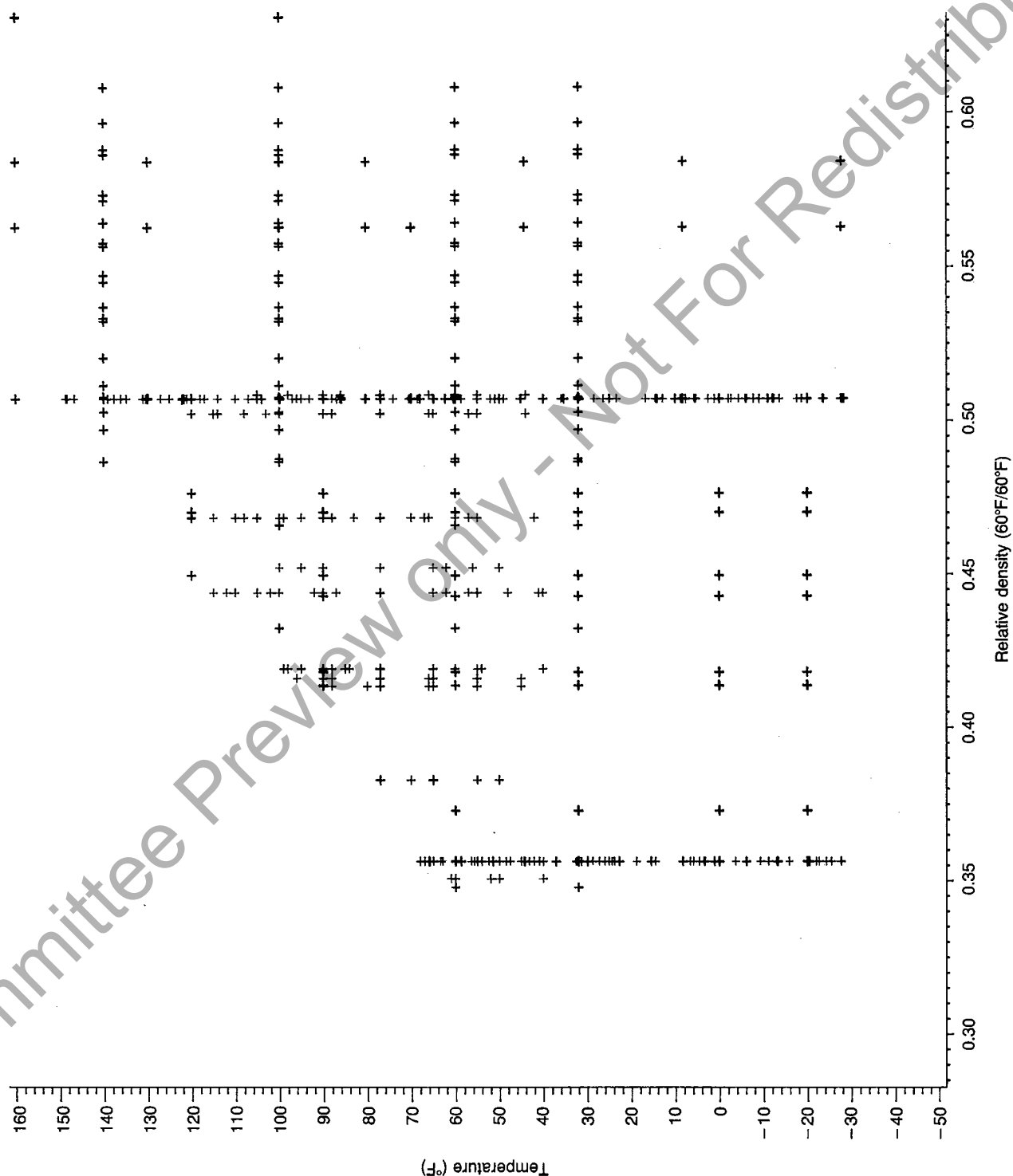


Figure 1—Limits of Data Base by Relative Density and Temperature

Table 2—Data Mixture Compositions (Mole Percent)

Sample	C ₁	C ₂	C ₃	nC ₄	iC ₄	nC ₅	iC ₅	C ₆	C ₇	C ₈	C ₉	C ₁₀
1	3.10	96.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.02	35.29	19.80	8.11	6.70	5.74	6.54	6.88	5.71	3.18	2.03
3	0.28	8.83	32.08	18.00	7.37	6.09	5.22	5.95	6.25	5.19	2.89	1.85
4	0.52	16.17	29.41	16.50	6.76	5.58	4.78	5.45	5.73	4.76	2.65	1.69
5	0.89	27.70	25.21	14.14	5.79	4.79	4.10	4.67	4.91	4.08	2.27	1.45
6	1.16	36.33	22.06	12.38	5.07	4.19	3.59	4.09	4.30	3.57	1.99	1.27
7	1.55	48.45	17.64	9.90	4.06	3.35	2.87	3.27	3.44	2.86	1.59	1.02
8	1.88	58.83	13.87	7.78	3.19	2.63	2.26	2.57	2.70	2.24	1.25	0.80
9	0.00	0.02	50.13	18.20	7.17	4.46	3.82	4.35	4.58	3.80	2.12	1.35
10	0.28	8.83	45.59	16.54	6.52	4.05	3.47	3.95	4.16	3.45	1.93	1.23
11	0.52	16.17	41.77	15.17	5.97	3.72	3.18	3.62	3.82	3.17	1.77	1.12
12	0.89	27.70	35.81	13.00	5.12	3.19	2.73	3.11	3.27	2.71	1.51	0.96
13	1.16	36.34	31.33	11.38	4.48	2.79	2.39	2.72	2.86	2.38	1.33	0.84
14	1.55	48.44	25.07	9.10	3.59	2.23	1.91	2.18	2.29	1.90	1.06	0.68
15	1.88	58.84	19.70	7.15	2.82	1.75	1.50	1.71	1.80	1.49	0.83	0.53
16	0.00	0.00	63.77	17.74	6.21	2.90	1.97	2.91	2.62	0.93	0.95	0.00
17	0.29	8.93	57.89	16.11	5.64	2.63	1.79	2.64	2.38	0.84	0.86	0.00
18	0.52	16.15	53.17	14.78	5.17	2.42	1.62	2.43	2.18	0.77	0.79	0.00
19	0.89	27.68	45.55	12.67	4.44	2.07	1.41	2.08	1.87	0.66	0.68	0.00
20	1.16	36.34	39.86	11.09	3.88	1.81	1.23	1.82	1.64	0.58	0.59	0.00
21	1.55	48.45	31.86	8.87	3.11	1.45	0.99	1.46	1.31	0.47	0.48	0.00
22	1.88	58.83	25.06	6.97	2.44	1.14	0.77	1.14	1.03	0.37	0.37	0.00
23	2.33	72.67	15.93	4.44	1.55	0.73	0.49	0.73	0.66	0.23	0.24	0.00
24	0.00	0.08	99.85	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	2.42	0.00	97.58	0	0	0	0	0	0	0	0	0
27	0.00	0.00	99.11	0.89	0	0	0	0	0	0	0	0
28	0.00	37.00	63.00	0.00	0	0	0	0	0	0	0	0
29	0.00	49.89	50.11	0.00	0	0	0	0	0	0	0	0
30	3.23	48.28	48.49	0.00	0	0	0	0	0	0	0	0
31	0.00	71.71	28.29	0.00	0	0	0	0	0	0	0	0
32	2.31	70.05	27.64	0.00	0	0	0	0	0	0	0	0
33	2.18	69.52	27.47	0.83	0	0	0	0	0	0	0	0
34	0.00	89.97	10.03	0.00	0	0	0	0	0	0	0	0
35	0.00	100.00	0.00	0.00	0	0	0	0	0	0	0	0
36	2.26	97.74	0.00	0.00	0	0	0	0	0	0	0	0
37	0.00	0.00	0.00	100.00	0	0	0	0	0	0	0	0
38	0.00	0.00	0.00	0.00	0	100	0	0	0	0	0	0
39	0.00	0.00	100.00	0.00	0	0	0	0	0	0	0	0
40	0.00	0.00	0.00	0.00	100	0	0	0	0	0	0	0
44	0.00	0.00	100.00	0.00	0	0	0	0	0	0	0	0
45	0.00	30.13	69.87	0.00	0	0	0	0	0	0	0	0
46	0.00	51.28	48.72	0.00	0	0	0	0	0	0	0	0
47	0.00	71.60	28.40	0.00	0	0	0	0	0	0	0	0
48	0.00	100.00	0.00	0.00	0	0	0	0	0	0	0	0
49	2.55	28.90	68.55	0.00	0	0	0	0	0	0	0	0
50	2.70	49.17	48.13	0.00	0	0	0	0	0	0	0	0
51	2.52	67.76	29.72	0.00	0	0	0	0	0	0	0	0
52	2.51	87.76	9.73	0.00	0	0	0	0	0	0	0	0
68	0.00	0.00	100.00	0.00	0	0	0	0	0	0	0	0
70	0	100	0	0	0	0	0	0	0	0	0	0
71	0	100	0	0	0	0	0	0	0	0	0	0
72	0	100	0	0	0	0	0	0	0	0	0	0
73	0	0	100	0	0	0	0	0	0	0	0	0
74	0	0	100	0	0	0	0	0	0	0	0	0
75	0	0	100	0	0	0	0	0	0	0	0	0
76	0	0	100	0	0	0	0	0	0	0	0	0
77	0	0	100	0	0	0	0	0	0	0	0	0
78	0	0	100	0	0	0	0	0	0	0	0	0
79	0	0	0	0	100	0	0	0	0	0	0	0
80	0	0	0	0	100	0	0	0	0	0	0	0
81	0	0	0	100	0	0	0	0	0	0	0	0
82	0	0	0	100	0	0	0	0	0	0	0	0

11.2.2.6M BASIC MODEL

This metric standard is developed by converting metered temperature in degrees Celsius to degrees Rankine and density in kilograms per cubic metre at 15°C to relative density at 60°F. The converted parameters are then used in the compressibility factor equation from Chapter 11.2.2. In this metric standard, the compressibility factor (F) is used in the normal manner for volume correction:

$$C_{pl} = V_c/V_m = 1/(1 - F * D_p)$$

The effect of pressure on the compressibility factor (F) is not negligible for the range of conditions of the standard. Therefore, the pressure effect is included in the model by the use of two factors, A and B . The basic mathematical model used to develop this standard relates compressibility to relative density, temperature, and pressure difference as follows:

$$F = 1/(A + D_p * B)$$

$$\begin{aligned} A * 10^{-5} = & -2.1465891D-6 * TR^2 + 1.5774390D-5 * TR^2 * G^2 \\ & -1.0502139D-5 * TR^2 * G^4 + 2.8324481D-7 * TR^3 * G^6 \\ & -0.95495939D0 + 7.2900662D-8 * TR^3 * G^2 \\ & -2.7769343D-7 * TR^3 * G^4 + 0.03645838D0 * TR * G^2 \\ & -0.05110158D0 * TR * G + 0.00795529D0 * TR \\ & + 9.13114910D0 * G \end{aligned}$$

$$A = A * 6.894757D0$$

$$\begin{aligned} B * 10^{-5} = & -6.0357667D-10 * TR^2 + 2.2112678D-6 * TR * G^2 \\ & + 0.00088384D0 * G - 0.00204016D0 * G^2 \end{aligned}$$

Where:

D_p = pressure above the equilibrium bubble point pressure, in consistent units of kilopascals gage or kilopascals absolute.

DX = double-precision accuracy to the X th power of 10.

TR = temperature, in degrees Rankine.

G = relative density (60°F/60°F).

The use of higher powers of TR and G and other combinations of them did not improve the correlation.

11.2.2.7M UNCERTAINTY ANALYSIS

The uncertainty in the compressibility factor is ± 10.8 percent at the 95-percent confidence level. (The figure 10.8 is 2.0 times the standard deviation of 5.4 percent, where 2.0 is the two-tail probability value of a normal distribution for 1709 degrees of freedom at 95 percent.) These uncertainties represent the likelihood of the correlation's ability to reproduce the data for a specific sample. They do not indicate how accurate the data are. In many cases, the accuracy of the experimental data is unknown. The corresponding uncertainty in volume and in C_{pl} is ± 0.56 percent at the 95-percent confidence level, derived from a computed standard deviation of 0.28 percent, as described above.

These volumetric uncertainties depend on operating conditions, the type of material, and the effect of pressure on the compressibility factor. They may not be true for the extrapolated portions of the standard. The regions where various uncertainties can be expected, averaged for all pressures, are plotted in Figure 2. The uncertainty for specific materials and temperature conditions can be obtained from this figure. For samples at lower relative densities, the uncertainty increases as the mixture's critical temperature is approached. The correlation is valid for temperatures less than or equal to 96 percent of the pseudocritical temperature.

If the effect of pressure on compressibility were ignored, there would be greater uncertainties in the volume. To il-

lustrate this, the uncertainties in the calculated volume would range from 0.2 to 11 percent if a mean compressibility factor for 500 pounds per square inch, instead of the compressibility factor at the correct pressure, were used. This is from 2 to more than 100 times the desired uncertainty of 0.1 percent in the volume. Table 3 provides more details about the uncertainties due to ignoring the effect of pressure on compressibility at various conditions.

In situations where either Chapter 11.2.2M or Chapter 11.2.2 could be used to obtain corrected volumes, differences in C_{pl} can arise. Because of rounding, the increment in metered temperature of 0.25°C in Chapter 11.2.2M does not always yield C_{pl} values equal to those from Chapter 11.2.2, which uses 0.5°F increments. Table 4 shows the frequency of errors that can be expected when using temperature to the nearest 0.25°C, as opposed to the nearest 0.5°F. In addition, maximum differences in C_{pl} of ± 0.0001 can be expected (at a frequency of 0.4 percent) because of conversion of pressure from pounds per square inch to kilopascals. It is therefore recommended that in cases where one party ordinarily uses metric units and the other party ordinarily uses customary units, the use of either Chapter 11.2.2M or Chapter 11.2.2 should be agreed on before a transaction is made.

Table 3—Effect of Pressure on Compressibility Factors

Relative Density	Temperature (°F)	F Errors (%)		C_{pl} Errors (%)	
		$D_p = 1000$ psi	$D_p = 2000$ psi	$D_p = 1000$ psi	$D_p = 2000$ psi
0.360	-20	11.0	27.0	1.5	3.9
	68	26.0	52.0	5.4	11.1
0.636	-20	0.5	1.5	0.4	0.2
	140	5.1	13.8	0.9	2.5

NOTE: The values in the table are the errors when the compressibility factor at 500 psi, instead of the one at the measured pressure, is used.

Table 4—Expected Frequency of Errors When Using Temperatures to the Nearest 0.25°C Versus the Nearest 0.5°F

Absolute Difference in C_{pl}	Frequency (%)
$0.0010 \leq \text{Difference} \leq 0.0015$	0.06
Difference ≥ 0.0005	0.28
Difference ≥ 0.0001	2.9

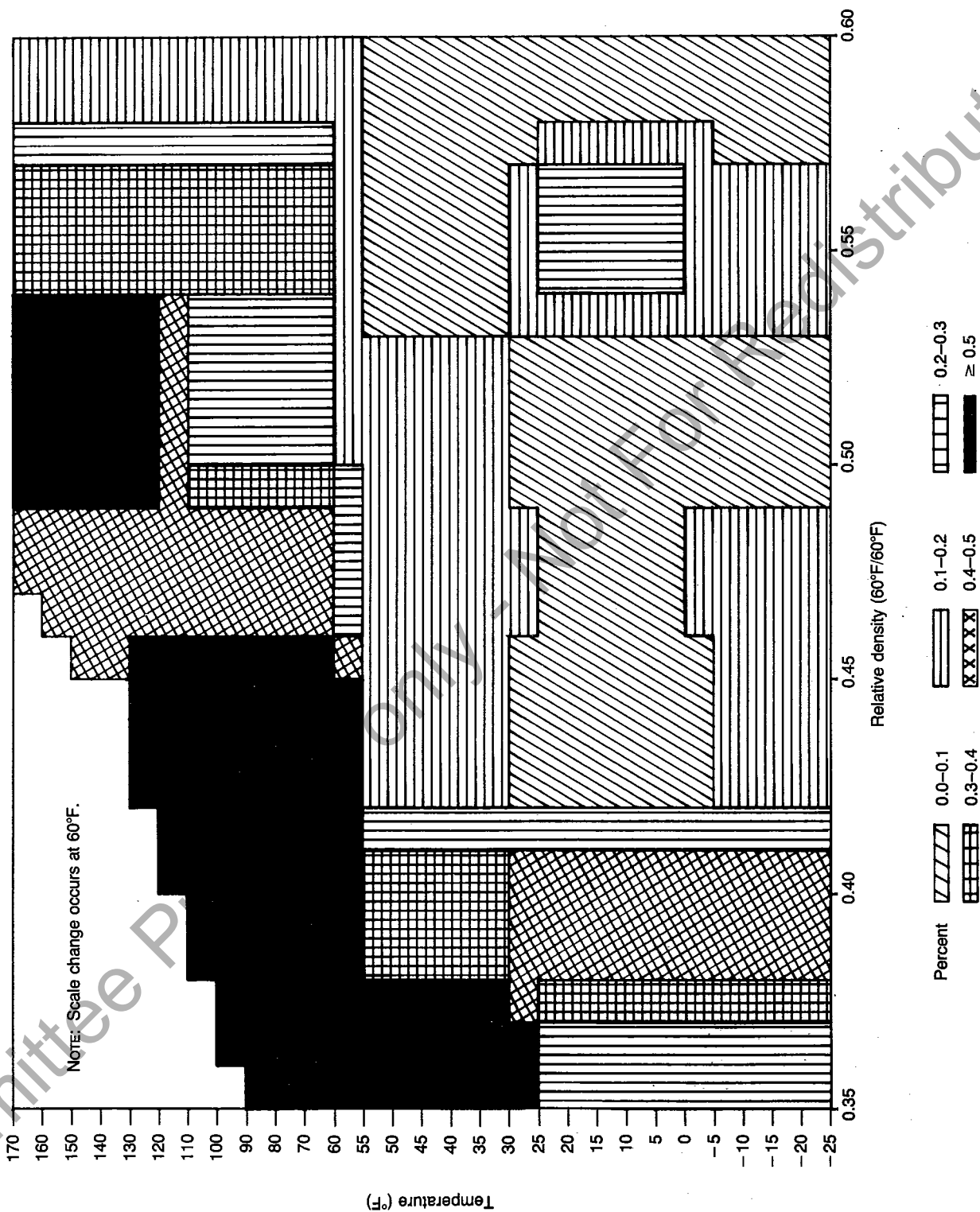


Figure 2—Uncertainties (95-Percent Confidence Level) in Volume Versus Temperature and Relative Density

11.2.2.8M CALCULATION PROCEDURE

This procedure is recommended for computers with 11 or more significant digits. With some computers, this could require the use of double precision for all variables and constants, as shown in the following steps and example.

11.2.2.8.1M Procedure Used to Generate Chapter 11.2.2M

1. Vary temperature (TPC) from -46.00°C to 60.00°C (inclusive) in precise increments of 0.25; that is,

$$\text{TPC} = -46.00, -45.75, -45.50, \dots, 60.00$$

2. Convert TPC to degrees Rankine (TR) and round TR to the nearest 0.01:

$$\text{TR} = 1.80\text{D0} * \text{TPC} + 32.00\text{D0} + 459.70\text{D0}$$

$$\text{TR} = \text{INT}(\text{TR} * 100.00\text{D0} + 0.50\text{D0}) * 0.01\text{D0}$$

The INT intrinsic function returns an integer by truncating all digits to the right of the decimal point.

3. Vary density (DN) from 350 to 636 kilograms per cubic metre (inclusive) in precise increments of 2; that is,

$$\text{DN} = 350, 352, 354, \dots, 636$$

Extend the table to 637 kilograms per cubic metre.

4. Convert the density in kilograms per cubic metre (DN) to density in grams per cubic centimetre (G):

$$\text{G} = \text{DN}/1000.00\text{D0}$$

5. Obtain three significant decimal figures by:

$$\text{G} = \text{INT}(\text{G} * 1000.00\text{D0} + 0.50\text{D0}) * 0.001\text{D0}$$

6. Convert the density (15°C) in grams per cubic centimetre to density (60°F) in grams per cubic centimetre:

$$\text{G1} = \text{G}$$

$$\text{G2} = \text{G} * \text{G}$$

$$\text{G3} = \text{G2} * \text{G}$$

$$\text{G4} = \text{G2} * \text{G2}$$

$$\text{G} = 0.0\text{D0}$$

$$\text{G} = \text{G} - 0.03689636\text{D0}$$

$$\text{G} = \text{G} + 1.24446244\text{D0} * \text{G1}$$

$$\text{G} = \text{G} - 0.63291568\text{D0} * \text{G2}$$

$$\text{G} = \text{G} + 0.73861488\text{D0} * \text{G3}$$

$$\text{G} = \text{G} - 0.32478413\text{D0} * \text{G4}$$

$$\text{G} = \text{G}/0.999012\text{D0}$$

8. Obtain three significant decimal figures by:

$$\text{G} = \text{INT}(\text{G} * 1000.00\text{D0} + 0.50\text{D0}) * 0.001\text{D0}$$

9. Calculate 96 percent of the critical temperature (TC):

$$\begin{aligned} \text{TC} &= 0.96\text{D0} * (621.418\text{D0} - 822.686\text{D0} * \text{G} \\ &\quad + 1737.86\text{D0} * \text{G} * \text{G}) \end{aligned}$$

10. If the temperature in degrees Rankine (TR) is more than the near critical limit (TC), void the calculation, output a message, and start the next density and temperature set.

11. If the temperature in degrees Rankine (TR) is less than or equal to the near critical limit (TC), then calculate the A and B factors using Steps 12–18.

12. Calculate the powers of temperature using temperature in degrees Rankine (TR):

$$\text{TR2} = \text{TR} * \text{TR}$$

$$\text{TR3} = \text{TR} * \text{TR2}$$

13. Calculate the powers of relative density:

$$\text{G2} = \text{G} * \text{G}$$

$$\text{G4} = \text{G2} * \text{G2}$$

$$\text{G6} = \text{G2} * \text{G4}$$

14. Calculate the A factor:

$$\text{A} = 0.0\text{D0}$$

$$\text{A} = \text{A} - 2.1465891\text{D}-6 * \text{TR2}$$

$$\text{A} = \text{A} + 1.5774390\text{D}-5 * \text{TR2} * \text{G2}$$

$$\text{A} = \text{A} - 1.0502139\text{D}-5 * \text{TR2} * \text{G4}$$

$$\text{A} = \text{A} + 2.8324481\text{D}-7 * \text{TR3} * \text{G6}$$

$$\text{A} = \text{A} - 0.95495939\text{D0}$$

$$\text{A} = \text{A} + 7.2900662\text{D}-8 * \text{TR3} * \text{G2}$$

$$\text{A} = \text{A} - 2.7769343\text{D}-7 * \text{TR3} * \text{G4}$$

$$\text{A} = \text{A} + 0.03645838\text{D0} * \text{TR} * \text{G2}$$

$$\text{A} = \text{A} - 0.05110158\text{D0} * \text{TR} * \text{G}$$

$$\text{A} = \text{A} + 0.00795529\text{D0} * \text{TR}$$

$$\text{A} = \text{A} + 9.13114910\text{D0} * \text{G}$$

15. Convert the A factor to kilopascals:

$$\text{A} = \text{A} * 6.894757\text{D0}$$

16. Round the A factor to the nearest whole number.

$$\text{A} = \text{INT}(\text{A} * 100000.00\text{D0} + 0.50\text{D0})$$

17. Calculate the B factor:

7. Convert the calculated density (60°F) in grams per cubic centimetre to relative density using the density of water at 60°F :

$$\begin{aligned} B &= 0.0D0 \\ B &= B - 6.0357667D - 10 * TR2 \\ B &= B + 2.2112678D - 6 * TR * G2 \\ B &= B + 0.00088384D0 * G \\ B &= B - 0.00204016D0 * G2 \end{aligned}$$

18. Round the B factor to the nearest 0.001:

$$B = \text{INT}(B * 100000000.0D0 + 0.5D0) * 0.001D0$$

19. Verify the table. Because of the complexity of the calculations, each term in the table should be verified against the standard. A tape of the table is available for use in verifying that the computer procedure will reproduce the standard.

11.2.2.8.2M Use of the Procedure to Calculate Individual A and B Values

1. Round the temperature to the nearest 0.25°C and initialize the temperature in °C:

$$TPC = XX.XX: -46.00 \leq TPC \leq 60.00$$

TPC is rounded to the nearest 0.25°C as follows:

TT = INT(TPC): that is, truncation.

$$DIFF = TPC - TT$$

If $DIFF \geq 0$ then $SIGN = 1.0$ else $SIGN = -1.0$.

DIFF = ABS(DIFF): that is, the absolute value.

If $DIFF < 0.125$ then $TPC = TT$.

If $0.125 \leq DIFF < 0.375$ then $TPC = TT + 0.25 * SIGN$.

If $0.375 \leq DIFF < 0.625$ then $TPC = TT + 0.50 * SIGN$.

If $0.625 \leq DIFF < 0.875$ then $TPC = TT + 0.75 * SIGN$.

If $DIFF \geq 0.875$ then $TPC = TT + 1.00 * SIGN$.

2. Round the density to the nearest 2 kilograms per cubic metre as follows:

$$G = \text{INT}(G/2.0D0 + 0.5D0) * 2$$

3. Follow Steps 4–18 of the procedure given in 11.2.2.8.1M.

11.2.2.8.3M Example

In this example, the temperature is 5.0°C and the density is 530 kilograms per cubic metre.

NOTE: Results are shown to 18 digits for comparison purposes. Only 11 digits are required to generate the standard. Constants must use 11 digits, as indicated by the D exponent.

1. Convert density at 15°C to relative density at 60°F:

$$\begin{aligned}
 G &= DN/1000.0D0 = 0.5300000000000000D+00 \\
 G1 &= G = 0.5300000000000000D+00 \\
 G2 &= G * G = 0.2809000000000000D+00 \\
 G3 &= G2 * G = 0.1488770000000000D+00 \\
 G4 &= G2 * G2 = 0.7890481000000000D-01 \\
 G &= 0.0D0 = 0.0000000000000000D+00 \\
 G &= G - 0.03689636D0 = -0.3689636000000000D-01 \\
 G &= G + 1.24446244D0 * G1 = 0.622668733200000000D+00 \\
 G &= G - 0.63291568D0 * G2 = 0.444882718688000000D+00 \\
 G &= G + 0.73861488D0 * G3 = 0.554845486177760000D+00 \\
 G &= G - 0.32478413D0 * G4 = 0.529218456109094700D+00 \\
 G &= G/0.999012D0 = 0.529741841048050173D+00 \\
 G &= INT(G * 1000.0D0 + 0.5D0) * 0.001D0 = 0.5300000000000000D+00
 \end{aligned}$$

2. Before rounding, the temperature is 5.00 = TPC. After rounding, the temperature is 0.5000000000000000D+01.

$$\begin{aligned}
 TC &= 0.96D0 * (621.418D0 - 822.686D0 * G + 1737.86D0 * G * G) \\
 &= 0.646616922240000000D+03 \\
 TR &= 1.80D0 * TPC + 32.00D0 + 459.70D0 \\
 &= 0.5007000000000000D+03
 \end{aligned}$$

3. Calculate the powers of temperature:

$$\begin{aligned}
 TR2 &= TR * TR = 0.250700490000000000D+06 \\
 TR3 &= TR * TR2 = 0.125525735343000000D+09
 \end{aligned}$$

4. Calculate the powers of relative density:

$$\begin{aligned}
 G2 &= G * G = 0.2809000000000000D+00 \\
 G4 &= G2 * G2 = 0.7890481000000000D-01 \\
 G6 &= G2 * G4 = 0.221643611290000000D-01
 \end{aligned}$$

5. Calculate the A factor.

Calculate the terms and sum to A:

$$\begin{aligned}
 A &= 0.0D0 \\
 A &= A - 2.1465891D-6 * TR2 = -0.538150939198659000D+00 \\
 A &= A + 1.5774390D-5 * TR2 * G2 = 0.572709488059854990D+00 \\
 A &= A - 1.0502139D-5 * TR2 * G4 = 0.364961692917087106D+00 \\
 A &= A + 2.8324481D-7 * TR3 * G6 = 0.115300476008567951D+01 \\
 A &= A - 0.95495939D0 = 0.198045370085679510D+00 \\
 A &= A + 7.2900662D-8 * TR3 * G2 = 0.276853576564138604D+01 \\
 A &= A - 2.7769343D-7 * TR3 * G4 = 0.180977793862079819D-01
 \end{aligned}$$

$$\begin{aligned} A &= A + 0.03645838D0 * TR * G2 = 0.514584606164560798D+01 \\ A &= A - 0.05110158D0 * TR * G = -0.841503132453439202D+01 \\ A &= A + 0.00795529D0 * TR = -0.443181762153439202D+01 \\ A &= A + 9.13114910D0 * G = 0.407691401465607976D+00 \\ A &= A * 6.894757D0 = 0.281093314409481085D+01 \end{aligned}$$

Round and scale A to get the A factor rounded to the nearest whole number:

$$A = \text{INT}(A * 100000.0D0 + 0.5D0) = 281093$$

6. Calculate the B factor.

Calculate the terms and sum to B:

$$\begin{aligned} B &= 0.0D0 \\ B &= B - 6.0357667D-10 * TR2 = -0.151316966921568300D-03 \\ B &= B + 2.2112678D-6 * TR * G2 = 0.159690397175945700D-03 \\ B &= B + 0.00088384D0 * G = 0.628125597175945700D-03 \\ B &= B - 0.00204016D0 * G2 = 0.550446531759456999D-04 \end{aligned}$$

Round and scale B to get the B factor rounded to the nearest 0.001:

$$B = \text{INT}(B * 100000000.0D0 + 0.5D0) * 0.001D0 = 5.504$$

11.2.2.9M REFERENCES

1. Bdeir, M. H., "Surface Fitting of Compressibility and Thermal Expansion Data for Ethane-Propane Mixtures and Heavier Hydrocarbons," Thesis, University of Tulsa, Oklahoma, 1967.
2. Dittmar, P., Schulz, F., and Strese, G., "Druck/Dichte/Temperatur—Werte fuer Propan und Propylen," *Chemie Ing. Techn.*, June 1962, Vol. 34, No. 6, p. 437.
3. Douslin, D. R., and Harrison, R. H., "Pressure-Volume-Temperature Relations of Ethane," *J. Chem. Thermodynamics*, 1973, Vol. 5, No. 4, p. 491.
4. Ely, J. F., and Kobayashi, R., "Isochoric Pressure-Volume-Temperature Measurements for Compressed Liquid Propane," *J. Chem. Eng. Data*, 1979, Vol. 23, No. 3, p. 221.
5. Haynes, W. M., and Hiza, M. J., "Measurements of the Orthobaric Liquid Densities of Methane, Ethane, Propane, Isobutane, and Normal Butane," *J. Chem. Thermodynamics*, 1977, Vol. 9, No. 2, p. 179.
6. Haynes, W. M., "Measurements of Densities and Dielectric Constants of Liquid Isobutane from 120 to 300k at Pressures to 35 MPa," in press.
7. Haynes, W. M., "Measurements of Densities and Dielectric Constants of Liquid Normal Butane from 140 to 300k at Pressures to 35 MPa," in press.
8. Manley, D. B., and Swift, G. W., "Relative Volatility of Propane-Propene System by Integration of General Coexistence Equation," *J. Chem. & E. Data*, 1971, Vol. 16, No. 3.
9. Morris, W. M., Sage, B. H., and Lacey, W. N., "Volumetric Behavior of Isobutane," Technical Publication 1128, *Petroleum Technology* (American Institute of Mining and Metallurgical Engineers preprint), November 1939.
10. Olds, R. H., Reamer, H. H., Sage, B. H., and Lacey, W. N., "Phase Equilibria in Hydrocarbon Systems: Volumetric Behavior of *n*-Butane," *Ind. Eng. Chem.*, March 1944, Vol. 36, No. 3, pp. 282–284.
11. Pope, G. A., "Calculation of Argon, Methane and Ethane Virial Coefficients at Low Reduced Temperature Based on Data Obtained by Isochorically Coupled Burnett Experiments," Thesis, Rice University, Department of Chemical Engineering, Houston, Texas, July 1971.
12. Provence, T. K., Jr., Wiener, L. D., and Walton, D. K., "Liquid Densities of High-Ethane Raw Make Streams," Technical Publication TP-2, Natural Gas Processors Association, Tulsa, Oklahoma, February 1972.
13. Reamer, H. H., Sage, B. H., and Lacey, W. N., "Phase Equilibria in Hydrocarbon Systems: Volumetric Behavior of Propane," *Ind. Eng. Chem.*, 1942, Vol. 41, No. 3, p. 482.
14. Sage, B. H., et al., "Phase Equilibria in Hydrocarbon Systems: V. Pressure-Volume-Temperature Relations and Thermal Properties of Propane," *Ind. & Engr. Chem.*, November 1934, Vol. 26, No. 11, pp. 1218–1224.
15. Sage, B. H., et al., "Phase Equilibria in Hydrocarbon Systems: XIX. Thermodynamic Properties of *n*-Butane," *Ind. & Engr. Chem.*, October 1937, Vol. 29, No. 10, pp. 1188–1194.
16. Sage, B. H., and Lacey, W. N., "Phase Equilibrium in Hydrocarbon Systems: Thermodynamic Properties of Isobutane," *Ind. & Engr. Chem.*, June 1938, Vol. 30, No. 6, pp. 673–681.
17. Sage, B. H., and Lacey, W. N., "Phase Equilibria in Hydrocarbon Systems: Thermodynamic Properties of *n*-Pentane," *Ind. & Engr. Chem.*, June 1942, Vol. 34, No. 6, pp. 730–736.
18. Straty, G. C., and Tsumura, R., "PVT and Vapor Pressure Measurements on Ethane in the Critical Region," *J. Chem. Phys.*, 1974, Vol. 60, No. 8, p. 3109.
19. Teichmann, J., "Pressure-Density-Temperature Measurements of Liquid Propane and Benzene," Ph.D. dissertation, Ruhr University, Bochum, West Germany, 1978.
20. Thomas, R. H. P., and Harrison, R. H., "Pressure, Volume, Temperature Relations of Propane," *J. Chem. Eng. Data*, in press.
21. Tomlinson, J. R., "Liquid Densities of Ethane, Propane, and Ethane-Propane Mixtures," Technical Publication TP-1, Natural Gas Processors Association, Tulsa, Oklahoma, February 1971.

API MANUAL OF PETROLEUM MEASUREMENT STANDARDS
CHAPTER 11.2.2M

COMPRESSIBILITY FACTORS FOR HYDROCARBONS:
350–637 KILOGRAMS PER CUBIC METRE DENSITY (15°C) AND
– 46°C TO 60°C METERING TEMPERATURE

TEMP DEG C		COMPRESSION FACTOR FOR KILOPASCAL DENSITY AT 15 DEGREES C															CUBIC METRE		
		350	352	354	356	358	360	362	364	366	368	370	372	374	376	378	380		
-46.00	A	209375	210804	212297	213854	215474	217157	218903	221638	223538	225500	227523	229606	231749	233952	236215	238536		
	B	6.909	6.927	6.944	6.961	6.976	6.991	7.004	7.023	7.034	7.045	7.054	7.063	7.071	7.078	7.084	7.089		
-45.75	A	208416	209838	211323	212873	214485	216161	217900	220624	222517	224472	226487	228563	230700	232896	235151	237465		
	B	6.899	6.917	6.934	6.951	6.966	6.981	6.995	7.014	7.025	7.036	7.046	7.055	7.062	7.069	7.075	7.081		
-45.50	A	207459	208873	210351	211893	213499	215167	216899	219612	221498	223446	225454	227523	229652	231841	234089	236396		
	B	6.888	6.907	6.924	6.941	6.957	6.972	6.986	7.005	7.016	7.027	7.037	7.046	7.054	7.061	7.067	7.073		
-45.25	A	206503	207910	209381	210916	212514	214175	215899	218602	220481	222421	224422	226484	228606	230787	233029	235329		
	B	6.878	6.897	6.915	6.931	6.947	6.962	6.976	6.996	7.007	7.018	7.028	7.037	7.046	7.053	7.059	7.065		
-45.00	A	205549	206948	208412	209940	211531	213185	214902	217593	219465	221398	223392	225447	227562	229736	231970	234263		
	B	6.868	6.887	6.905	6.921	6.937	6.953	6.967	6.986	6.998	7.009	7.020	7.029	7.037	7.045	7.051	7.057		
-44.75	A	204597	205989	207445	208965	210549	212196	213906	216587	218451	220377	222364	224412	226519	228687	230914	233200		
	B	6.858	6.877	6.895	6.912	6.928	6.943	6.957	6.977	6.989	7.001	7.011	7.020	7.029	7.036	7.043	7.049		
-44.50	A	203646	205031	206480	207993	209570	211209	212912	215582	217440	219358	221338	223378	225479	227639	229859	232138		
	B	6.847	6.866	6.885	6.902	6.918	6.933	6.948	6.968	6.980	6.992	7.002	7.012	7.020	7.028	7.035	7.041		
-44.25	A	202697	204075	205516	207022	208592	210224	211919	214579	216429	218341	220314	222347	224440	226594	228806	231078		
	B	6.837	6.856	6.874	6.892	6.908	6.924	6.938	6.959	6.971	6.983	6.993	7.003	7.012	7.019	7.026	7.033		
-44.00	A	201750	203120	204555	206053	207616	209241	210929	213578	215421	217326	219291	221317	223404	225550	227756	230020		
	B	6.827	6.846	6.864	6.882	6.898	6.914	6.929	6.949	6.962	6.974	6.984	6.994	7.003	7.011	7.018	7.024		
-43.75	A	200804	202167	203595	205086	206641	208259	209940	212579	214415	216312	218271	220290	222369	224508	226707	228964		
	B	6.816	6.836	6.854	6.872	6.889	6.905	6.919	6.940	6.953	6.965	6.975	6.985	6.995	7.003	7.010	7.016		
-43.50	A	199861	201216	202636	204121	205669	207280	208953	211581	213410	215300	217252	219264	221336	223468	225660	227910		
	B	6.806	6.826	6.844	6.862	6.879	6.895	6.910	6.931	6.944	6.956	6.967	6.977	6.986	6.994	7.002	7.008		
-43.25	A	198918	200267	201680	203157	204698	206302	207968	210585	212407	214290	216235	218240	220305	222430	224614	226858		
	B	6.796	6.815	6.834	6.852	6.869	6.885	6.900	6.921	6.934	6.946	6.958	6.968	6.977	6.986	6.993	7.000		
-43.00	A	197978	199319	200725	202195	203729	205325	206985	209591	211406	213282	215220	217218	219276	221394	223571	225808		
	B	6.785	6.805	6.824	6.842	6.859	6.875	6.891	6.912	6.925	6.937	6.949	6.959	6.969	6.977	6.985	6.992		
-42.75	A	197039	198374	199772	201235	202761	204351	206004	208599	210407	212276	214206	216197	218248	220359	222530	224760		
	B	6.775	6.795	6.814	6.832	6.849	6.866	6.881	6.903	6.916	6.928	6.940	6.950	6.960	6.969	6.977	6.984		
-42.50	A	196102	197429	198821	200277	201796	203378	205024	207609	209410	211272	213195	215179	217223	219327	221490	223713		
	B	6.764	6.784	6.804	6.822	6.839	6.856	6.871	6.893	6.907	6.919	6.931	6.941	6.951	6.960	6.968	6.975		
-42.25	A	195167	196487	197871	199320	200832	202408	204046	206620	208414	210269	212185	214162	216199	218296	220453	222669		
	B	6.754	6.774	6.793	6.812	6.829	6.846	6.862	6.884	6.897	6.910	6.922	6.933	6.943	6.952	6.960	6.967		

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE																F=1/(A+DP*B)	
	350	352	354	356	358	360	362	364	366	368	370	372	374	376	378	380		
-42.00 A	194234	195546	196924	198365	199870	201439	203070	205634	207420	209269	211178	213148	215178	217268	219417	221626		
-42.00 B	6.743	6.763	6.783	6.802	6.819	6.836	6.852	6.874	6.888	6.901	6.913	6.924	6.934	6.943	6.951	6.959		
-41.75 A	193302	194607	195978	197412	198910	200471	202096	204649	206429	208270	210172	212135	214158	216241	218384	220585		
-41.75 B	6.733	6.753	6.773	6.791	6.809	6.826	6.842	6.865	6.879	6.892	6.904	6.915	6.925	6.934	6.943	6.950		
-41.50 A	192372	193670	195038	196461	197952	199506	201123	203666	205439	207273	209168	211124	213140	215216	217352	219547		
-41.50 B	6.722	6.743	6.762	6.781	6.799	6.816	6.833	6.855	6.869	6.882	6.895	6.906	6.916	6.926	6.934	6.942		
-41.25 A	191443	192735	194091	195511	196995	198542	200152	202685	204450	206278	208166	210115	212124	214193	216322	218510		
-41.25 B	6.711	6.732	6.752	6.771	6.789	6.807	6.823	6.846	6.860	6.873	6.885	6.897	6.907	6.917	6.926	6.934		
-41.00 A	190517	191801	193150	194563	196040	197580	199183	201705	203464	205284	207166	209108	211110	213172	215294	217475		
-41.00 B	6.701	6.722	6.742	6.761	6.779	6.797	6.813	6.836	6.850	6.864	6.876	6.888	6.899	6.908	6.917	6.925		
-40.75 A	189592	190869	192211	193617	195087	196620	198216	200728	202480	204293	206167	208102	210098	212153	214268	216442		
-40.75 B	6.690	6.711	6.731	6.751	6.769	6.787	6.803	6.827	6.841	6.854	6.867	6.879	6.890	6.900	6.909	6.917		
-40.50 A	188669	189939	191274	192673	194136	195662	197251	199752	201497	203303	205171	207099	209087	211136	213244	215411		
-40.50 B	6.679	6.701	6.721	6.740	6.759	6.777	6.793	6.817	6.831	6.845	6.858	6.870	6.881	6.891	6.900	6.908		
-40.25 A	187747	189010	190338	191730	193186	194705	196288	198778	200516	202316	204176	206097	208079	210120	212221	214382		
-40.25 B	6.669	6.690	6.710	6.730	6.749	6.767	6.784	6.807	6.822	6.836	6.849	6.861	6.872	6.882	6.891	6.900		
-40.00 A	186828	188084	189405	190790	192239	193751	195326	197806	199537	201330	203183	205098	207072	209107	211201	213354		
-40.00 B	6.658	6.679	6.700	6.720	6.739	6.757	6.774	6.798	6.812	6.826	6.839	6.852	6.863	6.873	6.883	6.891		
-39.75 A	185910	187159	188473	189851	191293	192798	194366	196836	198560	200346	202192	204100	206068	208095	210183	212329		
-39.75 B	6.647	6.669	6.690	6.709	6.728	6.747	6.764	6.788	6.803	6.817	6.830	6.843	6.854	6.865	6.874	6.883		
-39.50 A	184994	186236	187542	188914	190349	191847	193408	195868	197585	199364	201203	203104	205065	207086	209166	211306		
-39.50 B	6.636	6.658	6.679	6.699	6.718	6.736	6.754	6.778	6.793	6.808	6.821	6.833	6.845	6.856	6.865	6.874		
-39.25 A	184079	185314	186614	187978	189406	190898	192452	194901	196612	198383	200216	202110	204064	206078	208152	210284		
-39.25 B	6.626	6.647	6.669	6.689	6.708	6.726	6.744	6.768	6.784	6.798	6.812	6.824	6.836	6.847	6.857	6.866		
-39.00 A	183166	184395	185687	187045	188466	189950	191498	193937	195640	197405	199231	201118	203065	205072	207139	209265		
-39.00 B	6.615	6.637	6.658	6.678	6.698	6.716	6.734	6.759	6.774	6.789	6.802	6.815	6.827	6.838	6.848	6.857		
-38.75 A	182256	183477	184763	186113	187527	189005	190545	192974	194670	196428	198248	200128	202068	204068	206128	208247		
-38.75 B	6.604	6.626	6.647	6.668	6.687	6.706	6.724	6.749	6.764	6.779	6.793	6.806	6.818	6.829	6.839	6.849		
-38.50 A	181346	182560	183839	185183	186590	188061	189595	192013	193703	195454	197266	199139	201073	203067	205120	207232		
-38.50 B	6.593	6.615	6.637	6.657	6.677	6.696	6.714	6.739	6.755	6.770	6.784	6.797	6.809	6.820	6.830	6.840		
-38.25 A	180439	181646	182918	184255	185655	187119	188646	191054	192737	194481	196287	198153	200080	202067	204113	206218		
-38.25 B	6.582	6.605	6.626	6.647	6.667	6.686	6.704	6.729	6.745	6.760	6.774	6.787	6.800	6.811	6.822	6.831		

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C															F=1/(A+Dp*B) CUBIC METRE		
		350	352	354	356	358	360	362	364	366	368	370	372	374	376	378	380		
-38.00	A	179533	180733	181999	183328	184722	186179	187699	190097	191773	193510	195309	197169	199089	201068	203108	205207		
	B	6.571	6.594	6.615	6.636	6.656	6.675	6.694	6.719	6.735	6.750	6.765	6.778	6.791	6.802	6.813	6.823		
-37.75	A	178629	179823	181081	182404	183790	185241	186754	189141	190810	192541	194333	196186	198099	200072	202105	204197		
	B	6.560	6.583	6.605	6.626	6.646	6.665	6.684	6.709	6.726	6.741	6.755	6.769	6.781	6.793	6.804	6.814		
-37.50	A	177727	178914	180165	181481	182861	184304	185811	188188	189850	191574	193359	195205	197112	199078	201104	203189		
	B	6.549	6.572	6.594	6.615	6.636	6.655	6.673	6.700	6.716	6.731	6.746	6.759	6.772	6.784	6.795	6.805		
-37.25	A	176827	178006	179251	180560	181933	183369	184869	187236	188892	190609	192387	194227	196126	198086	200105	202183		
	B	6.538	6.561	6.583	6.605	6.625	6.645	6.663	6.690	6.706	6.722	6.736	6.750	6.763	6.775	6.786	6.796		
-37.00	A	175928	177101	178338	179641	181007	182437	183929	186286	187935	189646	191417	193250	195143	197095	199108	201180		
	B	6.527	6.550	6.573	6.594	6.615	6.634	6.653	6.680	6.696	6.712	6.727	6.741	6.754	6.766	6.777	6.788		
-36.75	A	175031	176197	177428	178723	180083	181506	182992	185338	186980	188684	190449	192275	194161	196107	198113	200178		
	B	6.516	6.539	6.562	6.583	6.604	6.624	6.643	6.670	6.686	6.702	6.717	6.731	6.744	6.757	6.768	6.779		
-36.50	A	174136	175295	176519	177808	179160	180576	182056	184392	186028	187725	189483	191302	193181	195121	197120	199178		
	B	6.505	6.528	6.551	6.573	6.594	6.614	6.633	6.660	6.676	6.692	6.708	6.722	6.735	6.748	6.759	6.770		
-36.25	A	173243	174395	175612	176894	178240	179649	181122	183448	185077	186767	188518	190331	192203	194136	196128	198180		
	B	6.494	6.518	6.540	6.562	6.583	6.603	6.622	6.650	6.667	6.683	6.698	6.712	6.726	6.738	6.750	6.761		
-36.00	A	172351	173496	174707	175982	177321	178724	180189	182506	184128	185811	187556	189362	191228	193153	195139	197184		
	B	6.483	6.507	6.529	6.551	6.572	6.593	6.612	6.639	6.657	6.673	6.688	6.703	6.717	6.729	6.741	6.752		
-35.75	A	171461	172600	173803	175072	176404	177800	179259	181565	183180	184857	186595	188394	190254	192173	194152	196190		
	B	6.472	6.496	6.519	6.541	6.562	6.582	6.602	6.629	6.647	6.663	6.679	6.693	6.707	6.720	6.732	6.743		
-35.50	A	170573	171705	172902	174163	175489	176878	178331	180627	182235	183905	185637	187429	189282	191194	193166	195198		
	B	6.460	6.484	6.508	6.530	6.551	6.572	6.591	6.619	6.637	6.653	6.669	6.684	6.698	6.711	6.723	6.734		
-35.25	A	169687	170812	172002	173257	174576	175958	177404	179690	181292	182955	184686	186466	188311	190217	192183	194208		
	B	6.449	6.473	6.497	6.519	6.541	6.561	6.581	6.609	6.627	6.643	6.659	6.674	6.688	6.702	6.714	6.725		
-35.00	A	168802	169921	171104	172352	173664	175040	176479	178755	180350	182007	183725	185504	187343	189243	191202	193220		
	B	6.438	6.462	6.486	6.508	6.530	6.551	6.571	6.599	6.617	6.634	6.650	6.665	6.679	6.692	6.705	6.716		
-34.75	A	167920	169031	170208	171449	172755	174124	175556	177822	179411	181061	182772	184545	186377	188270	190222	192233		
	B	6.427	6.451	6.475	6.497	6.519	6.540	6.560	6.589	6.607	6.624	6.640	6.655	6.669	6.683	6.696	6.707		
-34.50	A	167039	168144	169314	170548	171847	173209	174635	176891	178473	180117	181821	183587	185413	187299	189245	191249		
	B	6.416	6.440	6.464	6.487	6.509	6.530	6.550	6.579	6.597	6.614	6.630	6.645	6.660	6.674	6.686	6.698		
-34.25	A	166160	167258	168421	169649	170941	172297	173716	175962	177537	179174	180872	182631	184451	186330	188269	190267		
	B	6.404	6.429	6.453	6.476	6.498	6.519	6.539	6.568	6.587	6.604	6.620	6.636	6.651	6.664	6.677	6.689		

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE																F=1/(A+DP*B)	
	350	352	354	356	358	360	362	364	366	368	370	372	374	376	378	380		
-34.00	A	165282	166374	167530	168752	170037	171386	172798	175035	176603	178234	179925	181677	183490	185363	187295	189287	
	B	6.393	6.418	6.442	6.465	6.487	6.508	6.529	6.558	6.576	6.594	6.610	6.626	6.641	6.655	6.668	6.680	
-33.75	A	164407	165491	166641	167856	169135	170477	171883	174109	175671	177295	178980	180726	182532	184398	186324	188309	
	B	6.382	6.407	6.431	6.454	6.476	6.498	6.518	6.548	6.566	6.584	6.601	6.616	6.631	6.646	6.659	6.671	
-33.50	A	163533	164611	165754	166962	168234	169570	170969	173186	174741	176358	178037	179776	181575	183435	185354	187333	
	B	6.370	6.395	6.420	6.443	6.465	6.487	6.508	6.537	6.556	6.574	6.591	6.607	6.622	6.636	6.650	6.662	
-33.25	A	162661	163732	164869	166070	167336	168665	170058	172264	173813	175423	177095	178828	180621	182474	184387	186358	
	B	6.359	6.384	6.408	6.432	6.455	6.476	6.497	6.527	6.546	6.564	6.581	6.597	6.612	6.627	6.640	6.653	
-33.00	A	161791	162856	163986	165180	166439	167762	169148	171344	172887	174491	176156	177882	179668	181515	183421	185386	
	B	6.347	6.373	6.397	6.421	6.444	6.466	6.487	6.517	6.536	6.554	6.571	6.587	6.603	6.617	6.631	6.644	
-32.75	A	160922	161980	163104	164292	165544	166860	168240	170427	171962	173560	175218	176938	178718	180558	182457	184416	
	B	6.336	6.361	6.386	6.410	6.433	6.455	6.476	6.506	6.525	6.544	6.561	6.577	6.593	6.608	6.622	6.635	
-32.50	A	160056	161107	162224	163406	164651	165961	167334	169511	171040	172631	174283	175996	177769	179603	181496	183448	
	B	6.324	6.350	6.375	6.399	6.422	6.444	6.466	6.496	6.515	6.534	6.551	6.568	6.583	6.598	6.612	6.625	
-32.25	A	159191	160236	161346	162521	163760	165063	166430	168597	170119	171704	173349	175056	176823	178649	180536	182481	
	B	6.313	6.339	6.364	6.388	6.411	6.433	6.455	6.486	6.505	6.523	6.541	6.558	6.574	6.589	6.603	6.616	
-32.00	A	158328	159366	160470	161638	162871	164167	165527	167685	169201	170779	172418	174118	175878	177698	179578	181517	
	B	6.301	6.327	6.352	6.377	6.400	6.423	6.444	6.475	6.495	6.513	6.531	6.548	6.564	6.579	6.593	6.607	
-31.75	A	157467	158499	159596	160757	161984	163273	164627	166774	168284	169855	171488	173181	174935	176749	178622	180555	
	B	6.290	6.316	6.341	6.366	6.389	6.412	6.434	6.465	6.484	6.503	6.521	6.538	6.554	6.569	6.584	6.597	
-31.50	A	156607	157633	158723	159878	161098	162381	163728	165866	167369	168934	170560	172247	173994	175802	177669	179595	
	B	6.278	6.305	6.330	6.354	6.378	6.401	6.423	6.454	6.474	6.493	6.511	6.528	6.544	6.560	6.574	6.588	
-31.25	A	155750	156768	157852	159001	160214	161491	162832	164960	166456	168015	169634	171315	173056	174857	176717	178637	
	B	6.267	6.293	6.319	6.343	6.367	6.390	6.412	6.444	6.463	6.483	6.501	6.518	6.535	6.550	6.565	6.579	
-31.00	A	154894	155906	156984	158126	159333	160603	161937	164055	165545	167097	168710	170384	172119	173913	175767	177680	
	B	6.255	6.282	6.307	6.332	6.356	6.379	6.401	6.433	6.453	6.472	6.491	6.508	6.525	6.540	6.555	6.569	
-30.75	A	154040	155046	156117	157252	158453	159717	161044	163153	164636	166182	167789	169456	171184	172972	174820	176726	
	B	6.243	6.270	6.296	6.321	6.345	6.368	6.391	6.422	6.443	6.462	6.480	6.498	6.515	6.531	6.546	6.560	
-30.50	A	153188	154187	155252	156381	157574	158832	160153	162252	163729	165268	166869	168530	170251	172033	173874	175774	
	B	6.232	6.259	6.285	6.310	6.334	6.357	6.380	6.412	6.432	6.452	6.470	6.488	6.505	6.521	6.536	6.551	
-30.25	A	152337	153330	154388	155511	156698	157949	159264	161353	162824	164357	165951	167605	169320	171095	172930	174824	
	B	6.220	6.247	6.273	6.298	6.323	6.346	6.369	6.401	6.422	6.441	6.460	6.478	6.495	6.511	6.527	6.541	

COMPRESSIBILITY FACTOR PER KILOPASCAL
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE
 $F = 1 / (A + DP \cdot B)$

TEMP DEG C	350	352	354	356	358	360	362	364	366	368	370	372	374	376	378	380
-30.00 A	151489	152475	153527	154643	155824	157069	158377	160456	161921	163447	165034	166683	168391	170160	171988	173876
B	6.208	6.235	6.262	6.287	6.312	6.335	6.358	6.391	6.411	6.431	6.450	6.468	6.485	6.502	6.517	6.532
-29.75 A	150642	151622	152667	153777	154952	156190	157491	159562	161020	162539	164120	165762	167465	169227	171049	172930
B	6.197	6.224	6.250	6.276	6.300	6.324	6.347	6.380	6.401	6.421	6.440	6.458	6.475	6.492	6.507	6.522
-29.50 A	149797	150771	151809	152913	154081	155313	156608	158669	160120	161634	163208	164844	166540	168296	170111	171985
B	6.185	6.212	6.239	6.264	6.289	6.313	6.336	6.369	6.390	6.410	6.429	6.448	6.465	6.482	6.498	6.513
-29.25 A	148954	149921	150954	152051	153212	154438	155726	157778	159223	160730	162298	163927	165617	167366	169175	171043
B	6.173	6.201	6.227	6.253	6.278	6.302	6.325	6.358	6.380	6.400	6.419	6.438	6.455	6.472	6.488	6.503
-29.00 A	148113	149074	150099	151190	152345	153564	154847	156888	158327	159828	161390	163013	164696	166439	168242	170103
B	6.161	6.189	6.216	6.242	6.267	6.291	6.314	6.348	6.369	6.389	6.409	6.427	6.445	6.462	6.478	6.494
-28.75 A	147274	148228	149247	150332	151480	152693	153969	156001	157434	158928	160484	162100	163777	165514	167310	169165
B	6.149	6.177	6.204	6.230	6.255	6.280	6.303	6.337	6.358	6.379	6.398	6.417	6.435	6.452	6.469	6.484
-28.50 A	146436	147384	148397	149475	150617	151824	153094	155116	156542	158030	159579	161189	162860	164590	166380	168229
B	6.138	6.166	6.193	6.219	6.244	6.269	6.292	6.326	6.348	6.368	6.388	6.407	6.425	6.442	6.459	6.474
-28.25 A	145600	146542	147548	148620	149756	150956	152220	154233	155653	157134	158677	160281	161945	163669	165453	167295
B	6.126	6.154	6.181	6.207	6.233	6.257	6.281	6.315	6.337	6.358	6.378	6.397	6.415	6.432	6.449	6.465
-28.00 A	144766	145701	146702	147767	148897	150091	151348	153351	154765	156240	157777	159374	161032	162750	164527	166363
B	6.114	6.142	6.169	6.196	6.221	6.246	6.270	6.304	6.326	6.347	6.367	6.387	6.405	6.422	6.439	6.455
-27.75 A	143934	144863	145857	146916	148040	149227	150478	152472	153879	155348	156878	158470	160121	161833	163603	165433
B	6.102	6.130	6.158	6.184	6.210	6.235	6.259	6.294	6.316	6.337	6.357	6.376	6.395	6.413	6.429	6.445
-27.50 A	143104	144026	145014	146067	147184	148365	149610	151594	152995	154458	155982	157567	159212	160917	162682	164506
B	6.090	6.118	6.146	6.173	6.199	6.224	6.248	6.283	6.305	6.326	6.346	6.366	6.385	6.402	6.419	6.436
-27.25 A	142276	143192	144173	145220	146331	147505	148744	150719	152114	153570	155088	156666	158305	160004	161762	163580
B	6.078	6.107	6.134	6.161	6.187	6.212	6.237	6.272	6.294	6.315	6.336	6.356	6.374	6.392	6.410	6.426
-27.00 A	141449	142359	143334	144374	145479	146647	147879	149845	151234	152684	154195	155768	157400	159093	160845	162656
B	6.066	6.095	6.123	6.150	6.176	6.201	6.226	6.261	6.283	6.305	6.325	6.345	6.364	6.382	6.400	6.416
-26.75 A	140624	141528	142497	143531	144629	145791	147017	148974	150356	151800	153305	154871	156497	158184	159929	161734
B	6.054	6.083	6.111	6.138	6.164	6.190	6.214	6.250	6.272	6.294	6.315	6.335	6.354	6.372	6.390	6.406
-26.50 A	139802	140699	141661	142689	143781	144937	146157	148104	149480	150918	152417	153976	155596	157277	159016	160815
B	6.042	6.071	6.099	6.126	6.153	6.178	6.203	6.239	6.262	6.283	6.304	6.324	6.344	6.362	6.380	6.397
-26.25 A	138981	139871	140828	141849	142935	144085	145298	147236	148606	150037	151530	153084	154698	156371	158105	159897
B	6.030	6.059	6.087	6.115	6.141	6.167	6.192	6.228	6.251	6.273	6.294	6.314	6.333	6.352	6.370	6.387

TEMP DEG C		COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C															F=1/(A+DP*B) CUBIC METRE		
		350	352	354	356	358	360	362	364	366	368	370	372	374	376	378	380		
-26.00	A	138161	139046	139996	141011	142091	143235	144442	146370	147734	149159	150646	152193	153801	155468	157195	158981		
	B	6.018	6.047	6.075	6.103	6.130	6.156	6.181	6.217	6.240	6.262	6.283	6.304	6.323	6.342	6.360	6.377		
-25.75	A	137344	138223	139166	140175	141249	142386	143587	145506	146864	148283	149763	151304	152906	154567	156288	158068		
	B	6.006	6.035	6.064	6.091	6.118	6.144	6.169	6.206	6.229	6.251	6.273	6.293	6.313	6.332	6.350	6.367		
-25.50	A	136529	137401	138339	139341	140409	141540	142735	144644	145996	147409	148883	150418	152013	153668	155383	157156		
	B	5.993	6.023	6.052	6.080	6.107	6.133	6.158	6.195	6.218	6.240	6.262	6.283	6.302	6.321	6.340	6.357		
-25.25	A	135715	136581	137513	138509	139570	140695	141884	143785	145130	146536	148004	149533	151122	152771	154480	156247		
	B	5.981	6.011	6.040	6.068	6.095	6.121	6.147	6.184	6.207	6.229	6.251	6.272	6.292	6.311	6.330	6.347		
-25.00	A	134903	135763	136688	137679	138734	139853	141035	142927	144265	145666	147128	148650	150233	151876	153578	155339		
	B	5.969	5.999	6.028	6.056	6.083	6.110	6.135	6.172	6.196	6.219	6.240	6.261	6.282	6.301	6.319	6.337		
-24.75	A	134093	134947	135866	136851	137899	139012	140188	142071	143403	144798	146253	147770	149347	150983	152679	154434		
	B	5.957	5.987	6.016	6.044	6.072	6.098	6.124	6.161	6.185	6.208	6.230	6.251	6.271	6.291	6.309	6.327		
-24.50	A	133285	134133	135046	136024	137067	138173	139343	141216	142543	143931	145381	146891	148462	150092	151782	153531		
	B	5.945	5.975	6.004	6.032	6.060	6.087	6.113	6.150	6.174	6.197	6.219	6.240	6.261	6.280	6.299	6.317		
-24.25	A	132479	133321	134227	135200	136236	137337	138501	140364	141685	143067	144510	146015	147579	149203	150887	152630		
	B	5.932	5.963	5.992	6.021	6.048	6.075	6.101	6.139	6.163	6.186	6.208	6.230	6.250	6.270	6.289	6.307		
-24.00	A	131675	132510	133411	134377	135407	136502	137660	139514	140829	142205	143642	145140	146698	148317	149994	151731		
	B	5.920	5.950	5.980	6.009	6.037	6.064	6.090	6.128	6.152	6.175	6.197	6.219	6.240	6.260	6.279	6.297		
-23.75	A	130872	131702	132596	133556	134580	135669	136821	138666	139974	141344	142776	144268	145820	147432	149103	150834		
	B	5.908	5.938	5.968	5.997	6.025	6.052	6.078	6.116	6.141	6.164	6.187	6.208	6.229	6.249	6.269	6.287		
-23.50	A	130072	130895	131784	132737	133755	134838	135983	137820	139122	140486	141911	143397	144943	146549	148214	149939		
	B	5.895	5.926	5.956	5.985	6.013	6.040	6.067	6.105	6.129	6.153	6.176	6.198	6.219	6.239	6.258	6.277		
-23.25	A	129273	130090	130973	131920	132933	134009	135148	136976	138272	139630	141049	142529	144069	145669	147328	149046		
	B	5.883	5.914	5.944	5.973	6.001	6.029	6.055	6.094	6.118	6.142	6.165	6.187	6.208	6.228	6.248	6.267		
-23.00	A	128476	129287	130164	131105	132111	133182	134315	136134	137424	138775	140188	141662	143196	144790	146443	148155		
	B	5.870	5.901	5.932	5.961	5.989	6.017	6.044	6.082	6.107	6.131	6.154	6.176	6.198	6.218	6.238	6.257		
-22.75	A	127681	128486	129357	130292	131292	132356	133484	135293	136577	137923	139330	140798	142326	143913	145560	147266		
	B	5.858	5.889	5.919	5.949	5.977	6.005	6.032	6.071	6.096	6.120	6.143	6.165	6.187	6.208	6.227	6.246		
-22.50	A	126888	127687	128552	129481	130475	131533	132655	134455	135733	137073	138474	139935	141457	143039	144680	146380		
	B	5.846	5.877	5.907	5.937	5.966	5.993	6.021	6.060	6.085	6.109	6.132	6.155	6.176	6.197	6.217	6.236		
-22.25	A	126097	126890	127748	128672	129660	130712	131828	133619	134891	136224	137619	139075	140591	142166	143801	145495		
	B	5.833	5.865	5.895	5.925	5.954	5.982	6.009	6.048	6.073	6.098	6.121	6.144	6.166	6.187	6.207	6.226		

COMPRESSION FACTOR FOR NALPHANE
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	350	352	354	356	358	360	362	364	366	368	370	372	374	376	378	380
-22.00 A	125308	126094	126947	127864	128847	129893	131002	132784	134050	135378	136767	138217	139726	141296	142925	144612
-22.00 B	5.821	5.852	5.883	5.913	5.942	5.970	5.997	6.037	6.062	6.086	6.110	6.133	6.155	6.176	6.196	6.216
-21.75 A	124520	125301	126148	127059	128035	129075	130179	131952	133212	134534	135917	137360	138864	140428	142050	143732
-21.75 B	5.808	5.840	5.871	5.901	5.930	5.958	5.986	6.025	6.051	6.075	6.099	6.122	6.144	6.165	6.186	6.205
-21.50 A	123735	124510	125350	126256	127226	128260	129358	131122	132376	133692	135069	136506	138004	139561	141178	142854
-21.50 B	5.796	5.827	5.858	5.888	5.918	5.946	5.974	6.014	6.039	6.064	6.088	6.111	6.133	6.155	6.175	6.195
-21.25 A	122951	123720	124554	125454	126418	127446	128538	130294	131542	132851	134222	135654	137146	138697	140308	141977
-21.25 B	5.783	5.815	5.846	5.876	5.906	5.934	5.962	6.002	6.028	6.053	6.077	6.100	6.123	6.144	6.165	6.185
-21.00 A	122169	122932	123761	124654	125613	126635	127721	129467	130709	132013	133378	134804	136290	137835	139440	141103
-21.00 B	5.770	5.802	5.834	5.864	5.894	5.923	5.950	5.991	6.017	6.042	6.066	6.089	6.112	6.134	6.154	6.174
-20.75 A	121389	122146	122969	123857	124809	125825	126905	128643	129879	131177	132536	133956	135436	136975	138574	140231
-20.75 B	5.758	5.790	5.821	5.852	5.882	5.911	5.939	5.979	6.005	6.030	6.055	6.078	6.101	6.123	6.144	6.164
-20.50 A	120611	121362	122179	123061	124007	125018	126092	127821	129051	130343	131696	133110	134584	136117	137710	139361
-20.50 B	5.745	5.778	5.809	5.840	5.870	5.899	5.927	5.968	5.994	6.019	6.044	6.067	6.090	6.112	6.133	6.154
-20.25 A	119835	120580	121391	122267	123208	124212	125280	127000	128225	129511	130858	132266	133734	135261	136848	138494
-20.25 B	5.732	5.765	5.797	5.827	5.858	5.887	5.915	5.956	5.982	6.008	6.032	6.056	6.079	6.101	6.123	6.143
-20.00 A	119061	119800	120605	121475	122410	123409	124471	126182	127400	128680	130022	131424	132886	134407	135988	137628
-20.00 B	5.720	5.752	5.784	5.815	5.845	5.875	5.903	5.944	5.971	5.996	6.021	6.045	6.068	6.091	6.112	6.133
-19.75 A	118289	119022	119821	120685	121614	122607	123663	125366	126578	127852	129188	130584	132040	133556	135131	136764
-19.75 B	5.707	5.740	5.772	5.803	5.833	5.863	5.891	5.933	5.959	5.985	6.010	6.034	6.057	6.080	6.102	6.122
-19.50 A	117518	118246	119039	119898	120820	121807	122858	124551	125758	127026	128356	129746	131196	132706	134275	135903
-19.50 B	5.694	5.727	5.759	5.791	5.821	5.851	5.879	5.921	5.948	5.974	5.999	6.023	6.046	6.069	6.091	6.112
-19.25 A	116750	117472	118259	119111	120029	121010	122054	123739	124940	126202	127526	128910	130354	131858	133422	135043
-19.25 B	5.682	5.715	5.747	5.778	5.809	5.839	5.868	5.909	5.936	5.962	5.988	6.012	6.036	6.058	6.080	6.101
-19.00 A	115983	116699	117481	118327	119239	120214	121253	122929	124124	125380	126698	128076	129515	131013	132570	134186
-19.00 B	5.669	5.702	5.734	5.766	5.797	5.827	5.856	5.898	5.925	5.951	5.976	6.001	6.025	6.047	6.069	6.091
-18.75 A	115219	115929	116704	117545	118451	119420	120453	122120	123309	124560	125872	127245	128677	130170	131721	133331
-18.75 B	5.656	5.689	5.722	5.753	5.784	5.814	5.844	5.886	5.913	5.939	5.965	5.990	6.013	6.037	6.059	6.080
-18.50 A	114456	115160	115930	116765	117665	118628	119655	121314	122497	123742	125049	126415	127842	129328	130874	132478
-18.50 B	5.643	5.677	5.709	5.741	5.772	5.802	5.832	5.874	5.901	5.928	5.954	5.978	6.002	6.026	6.048	6.070
-18.25 A	113695	114393	115158	115987	116881	117839	118860	120510	121687	122927	124227	125588	127009	128489	130029	131627
-18.25 B	5.630	5.664	5.697	5.729	5.760	5.790	5.820	5.862	5.890	5.916	5.942	5.967	5.991	6.015	6.037	6.059

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE																F=1/(A+DP*B)	
	350	352	354	356	358	360	362	364	366	368	370	372	374	376	378	380		
-18.00 A	112936	113629	114387	115211	116099	117051	118066	119707	120879	122113	123407	124762	126177	127652	129186	130778		
B	5.617	5.651	5.684	5.716	5.747	5.778	5.808	5.850	5.878	5.905	5.931	5.956	5.980	6.004	6.026	6.048		
-17.75 A	112179	112866	113619	114436	115319	116265	117275	118907	120073	121301	122590	123939	125348	126817	128345	129931		
B	5.604	5.638	5.671	5.704	5.735	5.766	5.795	5.839	5.866	5.893	5.919	5.945	5.969	5.993	6.016	6.038		
-17.50 A	111424	112105	112852	113664	114541	115481	116485	118109	119269	120491	121774	123118	124521	125984	127506	129086		
B	5.592	5.626	5.659	5.691	5.723	5.753	5.783	5.827	5.855	5.882	5.908	5.933	5.958	5.982	6.005	6.027		
-17.25 A	110671	111346	112087	112894	113764	114699	115698	117313	118467	119684	120961	122298	123696	125153	126669	128244		
B	5.579	5.613	5.646	5.679	5.710	5.741	5.771	5.815	5.843	5.870	5.897	5.922	5.947	5.971	5.994	6.016		
-17.00 A	109919	110589	111325	112125	112990	113919	114912	116519	117668	118878	120149	121481	122873	124324	125835	127404		
B	5.566	5.600	5.633	5.666	5.698	5.729	5.759	5.803	5.831	5.858	5.885	5.911	5.936	5.960	5.983	6.005		
-16.75 A	109170	109834	110564	111359	112218	113142	114128	115727	116870	118074	119340	120666	122052	123498	125002	126565		
B	5.553	5.587	5.621	5.653	5.685	5.717	5.747	5.791	5.819	5.847	5.874	5.899	5.924	5.949	5.972	5.995		
-16.50 A	108422	109081	109805	110594	111448	112366	113347	114936	116074	117273	118533	119853	121233	122673	124172	125729		
B	5.540	5.574	5.608	5.641	5.673	5.704	5.735	5.779	5.807	5.835	5.862	5.888	5.913	5.938	5.961	5.984		
-16.25 A	107677	108330	109048	109832	110680	111592	112567	114148	115280	116473	117728	119042	120417	121851	123344	124895		
B	5.526	5.561	5.595	5.628	5.660	5.692	5.723	5.767	5.796	5.823	5.850	5.877	5.902	5.926	5.950	5.973		
-16.00 A	106933	107580	108293	109071	109914	110820	111790	113362	114488	115676	116924	118233	119602	121031	122518	124063		
B	5.513	5.548	5.582	5.616	5.648	5.680	5.710	5.755	5.784	5.812	5.839	5.865	5.891	5.915	5.939	5.962		
-15.75 A	106192	106833	107540	108313	109149	110050	111014	112578	113699	114881	116123	117427	118790	120212	121694	123234		
B	5.500	5.535	5.569	5.603	5.635	5.667	5.698	5.743	5.772	5.800	5.827	5.854	5.879	5.904	5.928	5.951		
-15.50 A	105452	106088	106789	107556	108387	109282	110241	111796	112911	114087	115324	116622	117979	119396	120872	122406		
B	5.487	5.522	5.557	5.590	5.623	5.655	5.686	5.731	5.760	5.788	5.816	5.842	5.868	5.893	5.917	5.941		
-15.25 A	104714	105344	106040	106801	107627	108516	109469	111017	112126	113296	114528	115819	117171	118582	120052	121581		
B	5.474	5.509	5.544	5.577	5.610	5.642	5.673	5.719	5.748	5.776	5.804	5.831	5.857	5.882	5.906	5.930		
-15.00 A	103978	104603	105293	106049	106869	107753	108700	110239	111342	112507	113733	115019	116365	117771	119235	120758		
B	5.461	5.496	5.531	5.565	5.598	5.630	5.661	5.707	5.736	5.765	5.792	5.819	5.845	5.871	5.895	5.919		
-14.75 A	103244	103863	104548	105298	106112	106991	107933	109463	110561	111720	112940	114221	115561	116961	118419	119936		
B	5.448	5.483	5.518	5.552	5.585	5.617	5.649	5.695	5.724	5.753	5.781	5.808	5.834	5.859	5.884	5.908		
-14.50 A	102512	103126	103805	104549	105358	106231	107167	108689	109781	110935	112150	113424	114759	116153	117606	119117		
B	5.434	5.470	5.505	5.539	5.572	5.605	5.636	5.682	5.712	5.741	5.769	5.796	5.822	5.848	5.873	5.897		
-14.25 A	101782	102390	103064	103803	104606	105473	106404	107917	109004	110152	111361	112630	113959	115348	116795	118301		
B	5.421	5.457	5.492	5.526	5.560	5.592	5.624	5.670	5.700	5.729	5.757	5.784	5.811	5.837	5.862	5.886		

TEMP DEG C		COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C															F=1/(A+DP*B) CUBIC METRE		
		350	352	354	356	358	360	362	364	366	368	370	372	374	376	378	380		
-14.00	A	101054	101657	102325	103058	103856	104717	105642	107148	108229	109371	110575	111838	113162	114545	115986	117486		
	B	5.408	5.444	5.479	5.513	5.547	5.580	5.612	5.658	5.688	5.717	5.745	5.773	5.799	5.825	5.850	5.875		
-13.75	A	100328	100925	101588	102315	103107	103964	104883	106380	107456	108592	109790	111048	112366	113743	115179	116673		
	B	5.395	5.431	5.466	5.500	5.534	5.567	5.599	5.646	5.676	5.705	5.733	5.761	5.788	5.814	5.839	5.864		
-13.50	A	99604	100195	100852	101575	102361	103212	104126	105614	106684	107816	109008	110260	111573	112944	114375	115863		
	B	5.381	5.417	5.453	5.488	5.521	5.554	5.587	5.633	5.664	5.693	5.722	5.749	5.776	5.803	5.828	5.853		
-13.25	A	98882	99468	100119	100836	101617	102462	103371	104851	105915	107041	108228	109475	110781	112147	113572	115055		
	B	5.368	5.404	5.440	5.475	5.509	5.542	5.574	5.621	5.652	5.681	5.710	5.738	5.765	5.791	5.817	5.841		
-13.00	A	98161	98742	99388	100099	100875	101714	102617	104090	105148	106269	107450	108691	109992	111353	112772	114249		
	B	5.355	5.391	5.427	5.462	5.496	5.529	5.562	5.609	5.639	5.669	5.698	5.726	5.753	5.780	5.805	5.830		
-12.75	A	97443	98018	98659	99364	100135	100969	101866	103330	104384	105498	106674	107910	109205	110560	111973	113445		
	B	5.341	5.378	5.414	5.449	5.483	5.516	5.549	5.597	5.627	5.657	5.686	5.714	5.742	5.768	5.794	5.819		
-12.50	A	96727	97296	97931	98632	99396	100225	101117	102573	103621	104730	105900	107130	108420	109769	111177	112643		
	B	5.328	5.364	5.400	5.436	5.470	5.504	5.536	5.584	5.615	5.645	5.674	5.702	5.730	5.757	5.783	5.808		
-12.25	A	96012	96576	97206	97901	98660	99484	100370	101818	102860	103964	105128	106353	107637	108981	110383	111844		
	B	5.314	5.351	5.387	5.423	5.457	5.491	5.524	5.572	5.603	5.633	5.662	5.691	5.718	5.745	5.771	5.797		
-12.00	A	95300	95858	96483	97172	97926	98744	99625	101064	102101	103200	104359	105578	106857	108195	109591	111046		
	B	5.301	5.338	5.374	5.410	5.444	5.478	5.511	5.559	5.590	5.621	5.650	5.679	5.707	5.734	5.760	5.786		
-11.75	A	94589	95143	95761	96446	97194	98006	98882	100313	101345	102438	103591	104805	106078	107411	108802	110251		
	B	5.287	5.324	5.361	5.397	5.431	5.465	5.499	5.547	5.578	5.609	5.638	5.667	5.695	5.722	5.749	5.774		
-11.50	A	93881	94429	95042	95721	96464	97271	98141	99564	100590	101678	102826	104034	105302	106629	108014	109458		
	B	5.274	5.311	5.348	5.383	5.418	5.453	5.486	5.534	5.566	5.596	5.626	5.655	5.683	5.711	5.737	5.763		
-11.25	A	93174	93717	94325	94998	95736	96537	97402	98817	99838	100920	102062	103265	104528	105849	107229	108667		
	B	5.260	5.298	5.334	5.370	5.405	5.440	5.473	5.522	5.553	5.584	5.614	5.643	5.672	5.699	5.726	5.752		
-11.00	A	92470	93007	93610	94277	95010	95806	96666	98072	99088	100164	101301	102498	103755	105071	106446	107878		
	B	5.247	5.284	5.321	5.357	5.392	5.427	5.460	5.509	5.541	5.572	5.602	5.631	5.660	5.687	5.714	5.740		
-10.75	A	91767	92299	92896	93559	94286	95077	95931	97329	98339	99410	100542	101734	102985	104296	105665	107092		
	B	5.233	5.271	5.308	5.344	5.379	5.414	5.448	5.497	5.529	5.560	5.590	5.619	5.648	5.676	5.703	5.729		
-10.50	A	91066	91593	92185	92842	93564	94349	95198	96589	97593	98659	99785	100972	102218	103523	104886	106308		
	B	5.219	5.257	5.294	5.331	5.366	5.401	5.435	5.484	5.516	5.547	5.578	5.607	5.636	5.664	5.691	5.718		
-10.25	A	90368	90889	91476	92127	92844	93624	94468	95850	96849	97909	99030	100211	101452	102751	104109	105525		
	B	5.206	5.244	5.281	5.318	5.353	5.388	5.422	5.472	5.504	5.535	5.566	5.595	5.624	5.652	5.680	5.706		

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)		
	350	352	354	356	358	360	362	364	366	368	370	372	374	376	378	380		
-10.00 A	89671	90187	90768	91415	92126	92901	93739	95113	96107	97162	98278	99453	100688	101982	103335	104746		
-10.00 B	5.192	5.230	5.268	5.304	5.340	5.375	5.409	5.459	5.491	5.523	5.553	5.583	5.612	5.641	5.668	5.695		
-9.75 A	88976	89487	90063	90704	91410	92180	93012	94379	95367	96417	97527	98697	99927	101216	102563	103968		
-9.75 B	5.178	5.217	5.254	5.291	5.327	5.362	5.396	5.447	5.479	5.510	5.541	5.571	5.600	5.629	5.657	5.683		
-9.50 A	88283	88789	89360	89996	90696	91460	92288	93647	94630	95674	96779	97943	99168	100451	101793	103192		
-9.50 B	5.165	5.203	5.241	5.278	5.314	5.349	5.384	5.434	5.466	5.498	5.529	5.559	5.589	5.617	5.645	5.672		
-9.25 A	87593	88093	88658	89289	89984	90743	91566	92916	93894	94933	96032	97192	98411	99688	101025	102419		
-9.25 B	5.151	5.190	5.227	5.264	5.301	5.336	5.371	5.421	5.454	5.486	5.517	5.547	5.577	5.605	5.633	5.660		
-9.00 A	86904	87399	87959	88585	89275	90028	90845	92188	93160	94194	95288	96442	97656	98928	100259	101648		
-9.00 B	5.137	5.176	5.214	5.251	5.287	5.323	5.358	5.408	5.441	5.473	5.505	5.535	5.565	5.593	5.622	5.649		
-8.75 A	86217	86707	87262	87882	88567	89315	90127	91462	92429	93457	94546	95695	96903	98170	99495	100879		
-8.75 B	5.123	5.162	5.200	5.238	5.274	5.310	5.345	5.396	5.429	5.461	5.492	5.523	5.553	5.582	5.610	5.637		
-8.50 A	85532	86017	86567	87182	87861	88605	89411	90738	91700	92723	93806	94950	96152	97414	98734	100112		
-8.50 B	5.110	5.149	5.187	5.224	5.261	5.297	5.332	5.383	5.416	5.448	5.480	5.511	5.541	5.570	5.598	5.626		
-8.25 A	84849	85329	85873	86483	87158	87896	88697	90016	90972	91990	93068	94206	95404	96660	97975	99347		
-8.25 B	5.096	5.135	5.173	5.211	5.248	5.284	5.319	5.370	5.403	5.436	5.468	5.498	5.529	5.558	5.586	5.614		
-8.00 A	84169	84643	85182	85787	86456	87189	87985	89296	90247	91260	92333	93465	94658	95909	97218	98585		
-8.00 B	5.082	5.121	5.160	5.197	5.234	5.270	5.306	5.357	5.391	5.423	5.455	5.486	5.516	5.546	5.575	5.602		
-7.75 A	83490	83959	84493	85093	85757	86484	87275	88578	89524	90532	91599	92727	93914	95159	96463	97825		
-7.75 B	5.068	5.107	5.146	5.184	5.221	5.257	5.293	5.345	5.378	5.411	5.443	5.474	5.504	5.534	5.563	5.591		
-7.50 A	82813	83277	83806	84400	85059	85782	86567	87863	88804	89805	90868	91990	93172	94412	95710	97067		
-7.50 B	5.054	5.094	5.132	5.170	5.208	5.244	5.280	5.332	5.365	5.398	5.430	5.462	5.492	5.522	5.551	5.579		
-7.25 A	82138	82597	83121	83710	84364	85081	85861	87149	88085	89081	90139	91256	92432	93667	94960	96311		
-7.25 B	5.040	5.080	5.119	5.157	5.194	5.231	5.267	5.319	5.353	5.386	5.418	5.449	5.480	5.510	5.539	5.567		
-7.00 A	81465	81919	82438	83022	83670	84383	85158	86438	87368	88360	89412	90523	91694	92924	94212	95557		
-7.00 B	5.026	5.066	5.105	5.143	5.181	5.218	5.254	5.306	5.340	5.373	5.406	5.437	5.468	5.498	5.527	5.556		
-6.75 A	80794	81243	81757	82336	82979	83686	84456	85728	86654	87640	88687	89793	90959	92183	93466	94806		
-6.75 B	5.012	5.052	5.091	5.130	5.167	5.204	5.240	5.293	5.327	5.360	5.393	5.425	5.456	5.486	5.515	5.544		
-6.50 A	80125	80569	81078	81652	82290	82992	83757	85021	85941	86922	87964	89065	90226	91445	92722	94057		
-6.50 B	4.998	5.038	5.078	5.116	5.154	5.191	5.227	5.280	5.314	5.348	5.381	5.412	5.444	5.474	5.503	5.532		
-6.25 A	79459	79897	80401	80970	81603	82299	83059	84316	85231	86207	87243	88339	89495	90708	91980	93310		
-6.25 B	4.984	5.024	5.064	5.103	5.141	5.178	5.214	5.267	5.302	5.335	5.368	5.400	5.431	5.462	5.492	5.520		

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C										F=1/(A+DP*B) CUBIC METRE					
		350	352	354	356	358	360	362	364	366	368	370	372	374	376	378	380
-6.00	A	78794	79227	79726	80290	80918	81609	82364	83613	84523	85494	86525	87616	88766	89974	91241	92565
	B	4.970	5.010	5.050	5.089	5.127	5.164	5.201	5.254	5.289	5.322	5.355	5.388	5.419	5.450	5.480	5.509
-5.75	A	78131	78559	79053	79612	80235	80921	81671	82912	83817	84783	85809	86894	88039	89242	90504	91823
	B	4.956	4.997	5.036	5.075	5.113	5.151	5.188	5.241	5.276	5.310	5.343	5.375	5.407	5.438	5.468	5.497
-5.50	A	77470	77893	78382	78936	79554	80235	80980	82214	83113	84074	85094	86175	87314	88513	89769	91082
	B	4.942	4.983	5.022	5.062	5.100	5.138	5.174	5.228	5.263	5.297	5.330	5.363	5.394	5.425	5.456	5.485
-5.25	A	76811	77230	77713	78262	78875	79551	80291	81517	82412	83367	84382	85458	86592	87785	89036	90344
	B	4.928	4.969	5.009	5.048	5.086	5.124	5.161	5.215	5.250	5.284	5.318	5.350	5.382	5.413	5.444	5.473
-5.00	A	76155	76568	77046	77590	78198	78869	79604	80823	81712	82662	83673	84743	85872	87060	88305	89609
	B	4.914	4.955	4.995	5.034	5.073	5.111	5.148	5.202	5.237	5.271	5.305	5.338	5.370	5.401	5.431	5.461
-4.75	A	75500	75908	76382	76920	77523	78190	78919	80130	81015	81960	82965	84030	85154	86337	87577	88875
	B	4.899	4.940	4.981	5.020	5.059	5.097	5.134	5.189	5.224	5.259	5.292	5.325	5.357	5.389	5.419	5.449
-4.50	A	74847	75250	75719	76253	76851	77512	78237	79440	80319	81259	82260	83319	84438	85616	86851	88144
	B	4.885	4.926	4.967	5.007	5.046	5.084	5.121	5.176	5.211	5.246	5.280	5.313	5.345	5.376	5.407	5.437
-4.25	A	74196	74595	75058	75587	76180	76837	77556	78752	79626	80561	81556	82611	83725	84897	86127	87414
	B	4.871	4.912	4.953	4.993	5.032	5.070	5.108	5.162	5.198	5.233	5.267	5.300	5.332	5.364	5.395	5.425
-4.00	A	73548	73941	74400	74924	75512	76163	76878	78066	78935	79865	80855	81905	83013	84181	85405	86688
	B	4.857	4.898	4.939	4.979	5.018	5.057	5.094	5.149	5.185	5.220	5.254	5.287	5.320	5.352	5.383	5.413
-3.75	A	72901	73289	73743	74262	74845	75492	76201	77382	78246	79171	80156	81201	82304	83466	84686	85963
	B	4.842	4.884	4.925	4.965	5.004	5.043	5.081	5.136	5.172	5.207	5.241	5.275	5.308	5.340	5.371	5.401
-3.50	A	72256	72640	73089	73603	74181	74822	75527	76700	77560	78479	79459	80499	81597	82754	83969	85241
	B	4.828	4.870	4.911	4.951	4.991	5.029	5.067	5.123	5.159	5.194	5.228	5.262	5.295	5.327	5.359	5.389
-3.25	A	71614	71992	72436	72945	73519	74155	74855	76021	76875	77790	78765	79799	80893	82044	83254	84520
	B	4.814	4.856	4.897	4.937	4.977	5.016	5.054	5.109	5.146	5.181	5.216	5.249	5.282	5.315	5.346	5.377
-3.00	A	70973	71347	71786	72290	72858	73490	74185	75344	76193	77103	78072	79102	80190	81337	82541	83803
	B	4.799	4.842	4.883	4.923	4.963	5.002	5.040	5.096	5.132	5.168	5.203	5.237	5.270	5.302	5.334	5.365
-2.75	A	70335	70704	71138	71637	72200	72827	73517	74668	75512	76417	77382	78407	79490	80631	81831	83087
	B	4.785	4.827	4.869	4.909	4.949	4.988	5.027	5.083	5.119	5.155	5.190	5.224	5.257	5.290	5.322	5.353
-2.50	A	69698	70062	70492	70986	71545	72167	72851	73995	74834	75734	76694	77714	78792	79928	81122	82373
	B	4.771	4.813	4.855	4.895	4.935	4.975	5.013	5.070	5.106	5.142	5.177	5.211	5.245	5.277	5.309	5.341
-2.25	A	69064	69423	69848	70337	70891	71508	72188	73324	74158	75053	76008	77023	78096	79227	80416	81662
	B	4.756	4.799	4.840	4.881	4.922	4.961	5.000	5.056	5.093	5.129	5.164	5.198	5.232	5.265	5.297	5.328

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)		
	350	352	354	356	358	360	362	364	366	368	370	372	374	376	378	380		
-2.00 A	68431	68786	69205	69690	70239	70851	71526	72655	73485	74375	75325	76334	77402	78528	79712	80953		
B	4.742	4.784	4.826	4.867	4.908	4.947	4.986	5.043	5.080	5.116	5.151	5.186	5.219	5.252	5.285	5.316		
-1.75 A	67801	68150	68565	69045	69589	70197	70867	71989	72813	73698	74643	75648	76711	77832	79011	80247		
B	4.727	4.770	4.812	4.853	4.894	4.933	4.972	5.029	5.066	5.103	5.138	5.173	5.207	5.240	5.272	5.304		
-1.50 A	67172	67517	67928	68403	68942	69544	70210	71324	72144	73024	73964	74963	76021	77138	78312	79542		
B	4.713	4.756	4.798	4.839	4.880	4.920	4.959	5.016	5.053	5.089	5.125	5.160	5.194	5.227	5.260	5.292		
-1.25 A	66546	66886	67292	67762	68296	68894	69555	70662	71477	72352	73287	74281	75334	76446	77614	78840		
B	4.698	4.741	4.784	4.825	4.866	4.906	4.945	5.002	5.040	5.076	5.112	5.147	5.181	5.215	5.248	5.279		
-1.00 A	65922	66257	66658	67123	67653	68246	68902	70002	70811	71682	72612	73602	74650	75756	76920	78140		
B	4.684	4.727	4.769	4.811	4.852	4.892	4.931	4.989	5.026	5.063	5.099	5.134	5.169	5.202	5.235	5.267		
-0.75 A	65300	65630	66026	66487	67012	67600	68251	69344	70149	71014	71939	72924	73967	75068	76227	77443		
B	4.669	4.712	4.755	4.797	4.838	4.878	4.918	4.975	5.013	5.050	5.086	5.121	5.156	5.190	5.223	5.255		
-0.50 A	64680	65005	65397	65853	66373	66956	67602	68688	69488	70348	71269	72249	73287	74383	75537	76747		
B	4.655	4.698	4.741	4.783	4.824	4.864	4.904	4.962	5.000	5.037	5.073	5.108	5.143	5.177	5.210	5.242		
-0.25 A	64061	64383	64769	65220	65736	66314	66956	68034	68829	69685	70601	71575	72609	73700	74849	76054		
B	4.640	4.684	4.726	4.768	4.810	4.850	4.890	4.948	4.986	5.023	5.060	5.095	5.130	5.164	5.198	5.230		
0.00 A	63445	63762	64144	64590	65101	65675	66311	67382	68173	69024	69935	70904	71933	73019	74163	75363		
B	4.625	4.669	4.712	4.754	4.796	4.836	4.876	4.935	4.973	5.010	5.047	5.082	5.117	5.152	5.185	5.218		
0.25 A	62831	63143	63520	63962	64468	65037	65669	66733	67519	68365	69271	70236	71259	72341	73479	74675		
B	4.611	4.654	4.698	4.740	4.782	4.822	4.862	4.921	4.959	4.997	5.033	5.069	5.104	5.139	5.172	5.205		
0.50 A	62219	62527	62899	63336	63837	64402	65029	66086	66867	67708	68609	69569	70588	71664	72798	73989		
B	4.596	4.640	4.683	4.726	4.767	4.808	4.849	4.908	4.946	4.983	5.020	5.056	5.092	5.126	5.160	5.193		
0.75 A	61610	61912	62280	62712	63209	63769	64391	65441	66217	67053	67950	68905	69919	70990	72119	73305		
B	4.581	4.625	4.669	4.711	4.753	4.794	4.835	4.894	4.932	4.970	5.007	5.043	5.079	5.113	5.147	5.180		
1.00 A	61002	61300	61663	62091	62583	63138	63755	64798	65569	66401	67292	68243	69252	70318	71442	72623		
B	4.566	4.611	4.654	4.697	4.739	4.780	4.821	4.880	4.919	4.957	4.994	5.030	5.066	5.100	5.135	5.168		
1.25 A	60396	60689	61048	61471	61958	62509	63122	64157	64924	65751	66637	67583	68587	69649	70768	71943		
B	4.552	4.596	4.640	4.683	4.725	4.766	4.807	4.866	4.905	4.943	4.980	5.017	5.053	5.088	5.122	5.155		
1.50 A	59792	60081	60435	60854	61336	61882	62490	63519	64281	65103	65985	66925	67925	68982	70096	71266		
B	4.537	4.581	4.625	4.668	4.711	4.752	4.793	4.853	4.892	4.930	4.967	5.004	5.040	5.075	5.109	5.143		
1.75 A	59191	59475	59824	60238	60716	61257	61861	62882	63640	64457	65334	66270	67264	68316	69426	70591		
B	4.522	4.567	4.611	4.654	4.696	4.738	4.779	4.839	4.878	4.916	4.954	4.991	5.027	5.062	5.096	5.130		

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C															F=1/(A+DP*B) CUBIC METRE		
	350	352	354	356	358	360	362	364	366	368	370	372	374	376	378	380		
2.00 A	58591	58871	59216	59625	60098	60635	61234	62248	63001	63813	64686	65617	66606	67654	68758	69919		
B	4.507	4.552	4.596	4.640	4.682	4.724	4.765	4.825	4.864	4.903	4.941	4.977	5.014	5.049	5.084	5.118		
2.25 A	57994	58269	58609	59014	59483	60014	60609	61616	62364	63172	64040	64966	65951	66993	68093	69249		
B	4.492	4.537	4.582	4.625	4.668	4.710	4.751	4.811	4.851	4.889	4.927	4.964	5.001	5.036	5.071	5.105		
2.50 A	57398	57669	58005	58405	58869	59396	59986	60987	61730	62533	63396	64317	65297	66335	67430	68581		
B	4.477	4.523	4.567	4.611	4.653	4.696	4.737	4.798	4.837	4.876	4.914	4.951	4.987	5.023	5.058	5.092		
2.75 A	56805	57071	57402	57798	58257	58780	59365	60359	61097	61896	62754	63671	64646	65679	66769	67915		
B	4.463	4.508	4.552	4.596	4.639	4.681	4.723	4.784	4.823	4.862	4.900	4.938	4.974	5.010	5.045	5.080		
3.00 A	56214	56475	56802	57193	57648	58166	58747	59734	60467	61261	62115	63027	63997	65025	66110	67251		
B	4.448	4.493	4.538	4.582	4.625	4.667	4.709	4.770	4.810	4.849	4.887	4.924	4.961	4.997	5.032	5.067		
3.25 A	55625	55882	56204	56590	57041	57555	58131	59110	59839	60629	61477	62385	63351	64374	65454	66590		
B	4.433	4.478	4.523	4.567	4.610	4.653	4.695	4.756	4.796	4.835	4.873	4.911	4.948	4.984	5.020	5.054		
3.50 A	55038	55290	55608	55990	56436	56945	57517	58489	59214	59998	60843	61745	62706	63725	64800	65932		
B	4.418	4.463	4.508	4.552	4.596	4.639	4.681	4.742	4.782	4.821	4.860	4.898	4.935	4.971	5.007	5.041		
3.75 A	54453	54701	55014	55392	55833	56338	56905	57870	58590	59370	60210	61108	62064	63078	64148	65275		
B	4.403	4.448	4.494	4.538	4.581	4.624	4.666	4.728	4.768	4.808	4.846	4.884	4.922	4.958	4.994	5.029		
4.00 A	53870	54113	54422	54795	55232	55732	56295	57254	57969	58745	59579	60473	61424	62433	63499	64621		
B	4.388	4.434	4.479	4.523	4.567	4.610	4.652	4.714	4.754	4.794	4.833	4.871	4.908	4.945	4.981	5.016		
4.25 A	53289	53528	53832	54201	54634	55129	55687	56639	57350	58121	58951	59840	60787	61791	62852	63969		
B	4.373	4.419	4.464	4.509	4.552	4.596	4.638	4.700	4.741	4.780	4.819	4.858	4.895	4.932	4.968	5.003		
4.50 A	52710	52945	53245	53609	54037	54528	55082	56027	56733	57500	58325	59209	60151	61151	62207	63319		
B	4.357	4.404	4.449	4.494	4.538	4.581	4.624	4.686	4.727	4.767	4.806	4.844	4.882	4.919	4.955	4.990		
4.75 A	52134	52364	52659	53019	53443	53930	54479	55417	56119	56880	57701	58581	59518	60513	61564	62672		
B	4.342	4.389	4.434	4.479	4.523	4.567	4.609	4.672	4.713	4.753	4.792	4.831	4.868	4.905	4.942	4.977		
5.00 A	51559	51785	52076	52432	52851	53333	53877	54809	55507	56264	57080	57955	58887	59878	60924	62027		
B	4.327	4.374	4.419	4.465	4.509	4.552	4.595	4.658	4.699	4.739	4.778	4.817	4.855	4.892	4.929	4.964		
5.25 A	50987	51208	51495	51846	52261	52739	53279	54204	54896	55649	56461	57331	58259	59244	60286	61384		
B	4.312	4.359	4.405	4.450	4.494	4.538	4.581	4.644	4.685	4.725	4.765	4.804	4.842	4.879	4.916	4.952		
5.50 A	50416	50634	50916	51263	51673	52146	52682	53600	54289	55036	55844	56709	57633	58613	59651	60744		
B	4.297	4.344	4.390	4.435	4.480	4.523	4.566	4.630	4.671	4.711	4.751	4.790	4.828	4.866	4.903	4.939		
5.75 A	49848	50061	50339	50681	51087	51556	52087	52999	53683	54426	55229	56090	57009	57985	59017	60106		
B	4.282	4.329	4.375	4.420	4.465	4.509	4.552	4.616	4.657	4.698	4.737	4.777	4.815	4.853	4.889	4.926		

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C															F=1/(A+DP*B) CUBIC METRE		
	350	352	354	356	358	360	362	364	366	368	370	372	374	376	378	380		
6.00	A	49282	49491	49764	50102	50504	50968	51495	52400	53079	53818	54616	55473	56387	57359	58386	59470	
	B	4.266	4.313	4.360	4.405	4.450	4.494	4.538	4.601	4.643	4.684	4.724	4.763	4.801	4.839	4.876	4.913	
6.25	A	48718	48922	49192	49525	49923	50383	50905	51804	52478	53213	54006	54858	55768	56734	57758	58837	
	B	4.251	4.298	4.345	4.391	4.436	4.480	4.523	4.587	4.629	4.670	4.710	4.749	4.788	4.826	4.863	4.900	
6.50	A	48156	48356	48621	48950	49343	49799	50317	51209	51879	52609	53398	54246	55151	56113	57131	58206	
	B	4.236	4.283	4.330	4.376	4.421	4.465	4.509	4.573	4.615	4.656	4.696	4.736	4.775	4.813	4.850	4.887	
6.75	A	47596	47792	48053	48378	48766	49218	49731	50617	51283	52008	52792	53635	54536	55493	56507	57577	
	B	4.221	4.268	4.315	4.361	4.406	4.451	4.494	4.559	4.601	4.642	4.682	4.722	4.761	4.799	4.837	4.874	
7.00	A	47038	47230	47486	47807	48192	48639	49148	50027	50688	51409	52189	53027	53923	54876	55886	56951	
	B	4.205	4.253	4.300	4.346	4.391	4.436	4.480	4.544	4.587	4.628	4.668	4.708	4.747	4.786	4.824	4.860	
7.25	A	46483	46670	46922	47239	47619	48062	48567	49439	50096	50812	51588	52422	53313	54261	55266	56327	
	B	4.190	4.238	4.285	4.331	4.377	4.421	4.465	4.530	4.572	4.614	4.655	4.695	4.734	4.772	4.810	4.847	
7.50	A	45929	46112	46360	46673	47048	47487	47988	48853	49506	50218	50989	51818	52705	53649	54649	55705	
	B	4.174	4.222	4.270	4.316	4.362	4.407	4.451	4.516	4.558	4.600	4.641	4.681	4.720	4.759	4.797	4.834	
7.75	A	45378	45557	45801	46109	46480	46914	47411	48270	48918	49626	50392	51217	52100	53039	54034	55085	
	B	4.159	4.207	4.254	4.301	4.347	4.392	4.436	4.501	4.544	4.586	4.627	4.667	4.707	4.746	4.784	4.821	
8.00	A	44829	45003	45243	45547	45914	46344	46836	47689	48332	49036	49798	50618	51496	52431	53422	54468	
	B	4.144	4.192	4.239	4.286	4.332	4.377	4.422	4.487	4.530	4.572	4.613	4.653	4.693	4.732	4.770	4.808	
8.25	A	44282	44452	44688	44987	45350	45776	46264	47110	47749	48448	49206	50022	50895	51825	52812	53854	
	B	4.128	4.177	4.224	4.271	4.317	4.362	4.407	4.473	4.516	4.558	4.599	4.640	4.679	4.719	4.757	4.795	
8.50	A	43737	43903	44134	44430	44788	45210	45693	46533	47168	47863	48616	49428	50296	51222	52204	53241	
	B	4.113	4.161	4.209	4.256	4.302	4.348	4.393	4.458	4.501	4.543	4.585	4.626	4.666	4.705	4.744	4.781	
8.75	A	43194	43356	43583	43874	44229	44646	45125	45958	46589	47280	48029	48836	49700	50621	51598	52631	
	B	4.097	4.146	4.194	4.241	4.287	4.333	4.378	4.444	4.487	4.529	4.571	4.612	4.652	4.691	4.730	4.768	
9.00	A	42653	42811	43034	43321	43672	44085	44559	45386	46013	46699	47443	48246	49106	50023	50995	52024	
	B	4.082	4.130	4.178	4.226	4.272	4.318	4.363	4.429	4.473	4.515	4.557	4.598	4.638	4.678	4.717	4.755	
9.25	A	42114	42268	42487	42770	43116	43525	43996	44816	45438	46120	46860	47659	48514	49426	50395	51418	
	B	4.066	4.115	4.163	4.211	4.257	4.303	4.348	4.415	4.458	4.501	4.543	4.584	4.625	4.664	4.703	4.742	
9.50	A	41578	41728	41943	42221	42563	42968	43434	44249	44866	45544	46280	47073	47925	48832	49796	50815	
	B	4.051	4.100	4.148	4.195	4.242	4.288	4.334	4.400	4.444	4.487	4.529	4.570	4.611	4.651	4.690	4.728	
9.75	A	41044	41189	41400	41675	42013	42413	42875	43683	44297	44970	45701	46491	47337	48241	49200	50215	
	B	4.035	4.084	4.133	4.180	4.227	4.273	4.319	4.386	4.430	4.472	4.515	4.556	4.597	4.637	4.676	4.715	

TEMP DEG C	COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C										F=1/(A+D*P*B) CUBIC METRE	
	350	352	354	356	358	360	362	364	366	368	370	372
10.00 A	40511	40653	40860	41130	41464	41860	42318	43120	43729	44398	45125	45910
B	4.019	4.069	4.117	4.165	4.212	4.259	4.304	4.371	4.415	4.458	4.501	4.542
10.25 A	39981	40119	40321	40588	40918	41310	41764	42559	43164	43828	44551	45332
B	4.004	4.053	4.102	4.150	4.197	4.244	4.289	4.357	4.401	4.444	4.486	4.528
10.50 A	39453	39587	39785	40048	40373	40761	41211	42000	42601	43261	43980	44756
B	3.988	4.038	4.086	4.135	4.182	4.229	4.275	4.342	4.386	4.430	4.472	4.514
10.75 A	38928	39057	39252	39510	39831	40215	40661	41444	42040	42696	43411	44183
B	3.972	4.022	4.071	4.119	4.167	4.214	4.260	4.327	4.372	4.415	4.458	4.500
11.00 A	38404	38530	38720	38974	39292	39671	40113	40889	41482	42134	42844	43611
B	3.957	4.006	4.056	4.104	4.152	4.199	4.245	4.313	4.357	4.401	4.444	4.486
11.25 A	37882	38004	38190	38441	38754	39130	39567	40337	40926	41573	42279	43043
B	3.941	3.991	4.040	4.089	4.136	4.184	4.230	4.298	4.343	4.386	4.430	4.472
11.50 A	37363	37481	37663	37909	38219	38590	39024	39788	40372	41015	41717	42476
B	3.925	3.975	4.025	4.073	4.121	4.169	4.215	4.283	4.328	4.372	4.415	4.458
11.75 A	36846	36960	37138	37380	37686	38053	38482	39240	39820	40459	41157	41912
B	3.909	3.960	4.009	4.058	4.106	4.153	4.200	4.269	4.314	4.358	4.401	4.444
12.00 A	36331	36441	36615	36853	37155	37518	37943	38695	39271	39906	40599	41350
B	3.893	3.944	3.994	4.043	4.091	4.138	4.185	4.254	4.299	4.343	4.387	4.430
12.25 A	35818	35924	36094	36329	36626	36985	37407	38152	38724	39355	40044	40790
B	3.878	3.928	3.978	4.027	4.075	4.123	4.170	4.239	4.284	4.329	4.372	4.415
12.50 A	35307	35409	35576	35806	36099	36455	36872	37611	38179	38806	39490	40233
B	3.862	3.912	3.962	4.012	4.060	4.108	4.155	4.224	4.270	4.314	4.358	4.401
12.75 A	34798	34897	35059	35286	35575	35927	36340	37073	37637	38259	38940	39678
B	3.846	3.897	3.947	3.996	4.045	4.093	4.140	4.209	4.255	4.300	4.344	4.387
13.00 A	34292	34386	34545	34767	35053	35401	35810	36537	37096	37715	38391	39125
B	3.830	3.881	3.931	3.981	4.029	4.078	4.125	4.195	4.240	4.285	4.329	4.373
13.25 A	33788	33878	34033	34252	34533	34877	35282	36003	36558	37173	37845	38575
B	3.814	3.865	3.915	3.965	4.014	4.062	4.110	4.180	4.225	4.270	4.315	4.358
13.50 A	33286	33372	33523	33738	34015	34355	34756	35472	36023	36633	37301	38027
B	3.798	3.849	3.900	3.950	3.999	4.047	4.095	4.165	4.211	4.256	4.300	4.344
13.75 A	32786	32868	33016	33226	33500	33836	34233	34942	35490	36096	36760	37481
B	3.782	3.833	3.884	3.934	3.983	4.032	4.080	4.150	4.196	4.241	4.286	4.330

TEMP DEG C		COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C															F=1/(A+DP*B) CUBIC METRE		
		350	352	354	356	358	360	362	364	366	368	370	372	374	376	378	380		
14.00	A	32288	32367	32510	32717	32987	33319	33712	34415	34959	35560	36220	36938	37711	38541	39426	40365		
	B	3.766	3.818	3.868	3.918	3.968	4.016	4.064	4.135	4.181	4.227	4.271	4.315	4.358	4.401	4.443	4.484		
14.25	A	31792	31867	32007	32210	32476	32804	33193	33891	34430	35028	35684	36397	37166	37992	38872	39807		
	B	3.750	3.802	3.853	3.903	3.952	4.001	4.049	4.120	4.166	4.212	4.257	4.301	4.344	4.387	4.429	4.470		
14.50	A	31299	31370	31506	31705	31967	32291	32677	33368	33903	34497	35149	35858	36623	37445	38321	39252		
	B	3.734	3.786	3.837	3.887	3.937	3.986	4.034	4.105	4.151	4.197	4.242	4.286	4.330	4.373	4.415	4.456		
14.75	A	30807	30875	31007	31202	31461	31781	32163	32848	33379	33969	34617	35322	36083	36900	37772	38699		
	B	3.718	3.770	3.821	3.872	3.921	3.970	4.019	4.090	4.137	4.182	4.228	4.272	4.316	4.359	4.401	4.443		
15.00	A	30318	30382	30510	30702	30957	31273	31651	32330	32857	33443	34087	34788	35545	36358	37226	38148		
	B	3.702	3.754	3.805	3.856	3.906	3.955	4.003	4.075	4.122	4.168	4.213	4.257	4.301	4.345	4.387	4.429		
15.25	A	29831	29892	30016	30204	30455	30767	31141	31815	32338	32920	33559	34256	35009	35818	36681	37599		
	B	3.686	3.738	3.789	3.840	3.890	3.940	3.988	4.060	4.107	4.153	4.198	4.243	4.287	4.330	4.373	4.415		
15.50	A	29347	29403	29524	29708	29955	30264	30633	31301	31821	32399	33034	33727	34476	35280	36140	37053		
	B	3.669	3.722	3.773	3.824	3.875	3.924	3.973	4.045	4.092	4.138	4.184	4.228	4.273	4.316	4.359	4.401		
15.75	A	28864	28917	29034	29214	29457	29762	30128	30790	31306	31880	32511	33200	33945	34745	35600	36510		
	B	3.653	3.706	3.758	3.809	3.859	3.909	3.958	4.030	4.077	4.123	4.169	4.214	4.258	4.302	4.345	4.387		
16.00	A	28384	28433	28546	28723	28962	29263	29625	30282	30793	31363	31991	32675	33416	34212	35063	35969		
	B	3.637	3.690	3.742	3.793	3.843	3.893	3.942	4.014	4.062	4.108	4.154	4.199	4.244	4.288	4.331	4.373		
16.25	A	27906	27951	28060	28233	28469	28766	29125	29775	30283	30849	31473	32153	32890	33682	34529	35430		
	B	3.621	3.674	3.726	3.777	3.828	3.878	3.927	3.999	4.047	4.093	4.139	4.185	4.229	4.273	4.316	4.359		
16.50	A	27429	27471	27577	27746	27978	28272	28626	29271	29775	30337	30957	31633	32366	33154	33997	34893		
	B	3.605	3.657	3.710	3.761	3.812	3.862	3.911	3.984	4.032	4.079	4.125	4.170	4.215	4.259	4.302	4.345		
16.75	A	26956	26994	27096	27262	27490	27780	28130	28769	29269	29827	30443	31116	31844	32628	33467	34360		
	B	3.588	3.641	3.694	3.745	3.796	3.846	3.896	3.969	4.017	4.064	4.110	4.156	4.200	4.245	4.288	4.331		
17.00	A	26484	26518	26617	26779	27003	27290	27637	28270	28766	29320	29932	30601	31325	32105	32940	33828		
	B	3.572	3.625	3.678	3.729	3.780	3.831	3.880	3.954	4.001	4.049	4.095	4.141	4.186	4.230	4.274	4.317		
17.25	A	26015	26045	26140	26299	26519	26802	27145	27773	28265	28815	29423	30088	30808	31584	32415	33299		
	B	3.556	3.609	3.662	3.713	3.765	3.815	3.865	3.938	3.986	4.034	4.080	4.126	4.171	4.216	4.260	4.303		
17.50	A	25547	25575	25666	25821	26038	26316	26656	27278	27766	28313	28917	29577	30294	31066	31892	32772		
	B	3.539	3.593	3.645	3.698	3.749	3.800	3.849	3.923	3.971	4.019	4.065	4.111	4.157	4.201	4.245	4.289		
17.75	A	25082	25106	25194	25345	25558	25833	26169	26785	27270	27813	28413	29069	29782	30550	31372	32248		
	B	3.523	3.576	3.629	3.682	3.733	3.784	3.834	3.908	3.956	4.004	4.051	4.097	4.142	4.187	4.231	4.274		

TEMP DEG C	COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C										F=1/(A+DP*B) CUBIC METRE	
	350	352	354	356	358	360	362	364	366	368	370	372
18.00 A	24639	24724	24724	24871	25081	25352	25684	26295	26776	27315	27911	28564
B	3.560	3.613	3.613	3.666	3.717	3.768	3.818	3.892	3.941	3.989	4.036	4.082
18.25 A		24256	24256	24400	24606	24874	25202	25807	26284	26819	27411	28060
B		3.597	3.650	3.650	3.701	3.752	3.803	3.877	3.926	3.973	4.021	4.067
18.50 A		23790	23931	24133	24397	24722	25322	25795	26326	26914	27559	28260
B		3.581	3.634	3.685	3.737	3.787	3.862	3.910	3.958	4.006	4.052	4.098
18.75 A		23464	23663	23923	24244	24838	25308	25835	26420	27061	27758	28509
B		3.617	3.670	3.721	3.772	3.846	3.895	3.943	3.991	4.038	4.084	4.129
19.00 A		22999	23195	23451	23769	24357	24823	25347	25927	26565	27257	28005
B		3.601	3.654	3.705	3.756	3.831	3.880	3.928	3.976	4.023	4.069	4.114
19.25 A		22729	22982	23296	23879	24341	24860	25437	26071	26760	27504	28302
B		3.638	3.689	3.740	3.815	3.864	3.913	3.961	4.008	4.054	4.100	4.145
19.50 A		22265	22515	22825	23402	23861	24377	24950	25579	26264	27004	27798
B		3.622	3.673	3.724	3.800	3.849	3.898	3.946	3.993	4.039	4.085	4.130
19.75 A		22050	22356	22928	23383	23895	24465	25090	25772	26507	27298	28141
B		3.658	3.709	3.784	3.834	3.883	3.931	3.978	4.025	4.071	4.116	4.160
20.00 A		21890	22457	22908	23416	23982	24604	25281	26013	26799	27639	28533
B		3.693	3.769	3.818	3.867	3.915	3.963	4.010	4.056	4.101	4.146	4.189
20.25 A		21426	21987	22435	22939	23501	24119	24793	25521	26303	27139	28033
B		3.677	3.753	3.803	3.852	3.900	3.948	3.995	4.041	4.087	4.132	4.177
20.50 A		21520	21964	22465	23023	23638	24307	25031	25810	26641	27526	28461
B		3.738	3.787	3.837	3.885	3.933	3.980	4.027	4.072	4.117	4.162	4.207
20.75 A		21056	21496	21993	22548	23158	23824	24544	25319	26146	27023	27950
B		3.722	3.772	3.821	3.870	3.918	3.965	4.012	4.058	4.103	4.148	4.193
21.00 A		20593	21030	21524	22074	22681	23343	24059	24830	25653	26528	27453
B		3.706	3.757	3.806	3.855	3.903	3.950	3.997	4.043	4.088	4.133	4.178
21.25 A		20566	21056	21603	22206	22864	23577	24344	25163	26033	26953	27923
B		3.741	3.791	3.840	3.888	3.935	3.982	4.028	4.074	4.119	4.164	4.209
21.50 A		20105	20591	21135	21734	22388	23097	23860	24675	25540	26455	27420
B		3.725	3.775	3.824	3.873	3.920	3.967	4.014	4.059	4.104	4.149	4.194
21.75 A		20129	20669	21264	21915	22620	23378	24190	25053	25963	26918	27928
B		3.760	3.809	3.858	3.905	3.953	3.999	4.045	4.090	4.135	4.180	4.225

TEMP DEG C	COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+DP*B)					
	350	352	354	356	358	360	362	364	366	368	370	372	374	376	378	380
22.00 A										19669	20205	20797	21443	22145	22899	23707
B										3.744	3.794	3.842	3.890	3.938	3.984	4.030
22.25 A											19743	20331	20975	21672	22423	23227
B											3.778	3.827	3.875	3.923	3.970	4.016
22.50 A											19284	19869	20508	21202	21949	22749
B											3.763	3.812	3.860	3.908	3.955	4.001
22.75 A											-	19409	20044	20734	21477	22273
B												3.797	3.845	3.893	3.940	3.987
23.00 A												18951	19583	20269	21008	21800
B												3.782	3.830	3.878	3.925	3.972
23.25 A													19124	19806	20542	21330
B													3.815	3.863	3.911	3.957
23.50 A													18667	19345	20077	20862
B													3.800	3.848	3.896	3.942
23.75 A														18887	19616	20396
B														3.833	3.881	3.928
24.00 A														18432	19156	19933
B														3.818	3.866	3.913
24.25 A															18699	19472
B															3.851	3.898
24.50 A															18245	19014
B															3.836	3.883
24.75 A																18559
B																3.869
25.00 A																18105
B																3.854

NOTE: FOR 350.0 TO 380.0 HIGHER TEMPERATURES ARE ABOVE THE NEAR CRITICAL LIMIT

COMPRESSION FACTOR PER KILOPASCAL
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

$F = 1 / (A + B \cdot P)$

TEMP DEG C	382	384	386	388	390	392	394	396	398	400	402	404	406	408	410	412
-46.00 A	240917	243356	245852	248407	251019	253688	256413	259196	262034	264928	267878	270883	273943	277059	280228	283452
B	7.093	7.096	7.098	7.100	7.100	7.100	7.098	7.096	7.093	7.089	7.084	7.078	7.071	7.063	7.055	7.045
-45.75 A	239839	242270	244760	247307	249912	252574	255292	258067	260899	263786	266729	269727	272780	275888	279050	282267
B	7.085	7.088	7.091	7.092	7.093	7.093	7.091	7.089	7.086	7.082	7.077	7.072	7.065	7.058	7.049	7.040
-45.50 A	238762	241187	243669	246209	248807	251462	254173	256941	259766	262646	265581	268572	271618	274719	277874	281084
B	7.077	7.081	7.083	7.085	7.086	7.085	7.084	7.082	7.080	7.076	7.071	7.066	7.059	7.052	7.043	7.034
-45.25 A	237688	240105	242581	245114	247704	250352	253056	255817	258634	261507	264436	267420	270458	273552	276700	279902
B	7.069	7.073	7.076	7.077	7.078	7.078	7.078	7.076	7.073	7.069	7.065	7.060	7.053	7.046	7.038	7.029
-45.00 A	236615	239025	241494	244020	246603	249244	251941	254695	257505	260371	263292	266269	269301	272387	275528	278723
B	7.061	7.065	7.068	7.070	7.071	7.071	7.071	7.069	7.066	7.063	7.059	7.053	7.047	7.040	7.032	7.023
-44.75 A	235545	237948	240409	242928	245504	248138	250828	253575	256378	259236	262151	265120	268145	271224	274358	277546
B	7.054	7.057	7.061	7.063	7.064	7.064	7.064	7.062	7.060	7.057	7.052	7.047	7.041	7.034	7.027	7.018
-44.50 A	234476	236872	239326	241838	244407	247034	249717	252457	255252	258104	261011	263974	266991	270064	273190	276371
B	7.046	7.050	7.053	7.055	7.057	7.057	7.057	7.055	7.053	7.050	7.046	7.041	7.035	7.028	7.021	7.012
-44.25 A	233409	235798	238245	240750	243312	245932	248608	251340	254129	256974	259874	262829	265840	268905	272025	275198
B	7.038	7.042	7.045	7.048	7.049	7.050	7.050	7.049	7.046	7.043	7.040	7.035	7.029	7.023	7.015	7.007
-44.00 A	232344	234726	237166	239664	242219	244831	247500	250226	253008	255845	258738	261687	264690	267748	270861	274028
B	7.030	7.034	7.038	7.040	7.042	7.043	7.043	7.042	7.040	7.037	7.033	7.029	7.023	7.017	7.009	7.001
-43.75 A	231281	233656	236089	238580	241128	243733	246395	249114	251888	254719	257605	260546	263543	266594	269699	272859
B	7.022	7.026	7.030	7.033	7.035	7.036	7.036	7.035	7.033	7.030	7.027	7.022	7.017	7.011	7.004	6.995
-43.50 A	230220	232588	235014	237498	240039	242637	245292	248003	250771	253594	256473	259408	262397	265441	268539	271692
B	7.014	7.018	7.022	7.025	7.027	7.028	7.029	7.028	7.026	7.024	7.020	7.016	7.011	7.005	6.998	6.990
-43.25 A	229161	231522	233941	236417	238951	241543	244191	246895	249656	252472	255344	258271	261253	264290	267382	270527
B	7.006	7.011	7.015	7.018	7.020	7.021	7.021	7.021	7.019	7.017	7.014	7.010	7.005	6.999	6.992	6.984
-43.00 A	228103	230457	232869	235339	237866	240450	243091	245789	248542	251352	254217	257137	260112	263142	266226	269365
B	6.998	7.003	7.007	7.010	7.012	7.014	7.014	7.014	7.014	7.013	7.010	7.007	7.003	6.999	6.993	6.979
-42.75 A	227048	229395	231800	234263	236783	239360	241994	244684	247431	250233	253091	256004	258973	261995	265073	268204
B	6.990	6.995	6.999	7.002	7.005	7.006	7.007	7.007	7.006	7.004	7.001	6.997	6.992	6.987	6.980	6.973
-42.50 A	225995	228335	230733	233188	235701	238272	240899	243582	246322	249117	251968	254874	257835	260851	263921	267045
B	6.982	6.987	6.991	6.995	6.997	6.999	7.000	7.000	6.999	6.997	6.994	6.991	6.986	6.981	6.974	6.967
-42.25 A	224943	227276	229667	232116	234622	237185	239805	242482	245214	248003	250847	253746	256700	259709	262772	265889
B	6.973	6.979	6.983	6.987	6.990	6.992	6.993	6.993	6.992	6.990	6.988	6.984	6.980	6.975	6.968	6.961

TEMP DEG C		COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)		
		382	384	386	388	390	392	394	396	398	400	402	404	406	408	410	412		
-42.00	A	223894	226220	228604	231045	233545	236101	238714	241383	244109	246890	249727	252619	255566	258568	261624	264735		
	B	6.965	6.971	6.976	6.979	6.982	6.984	6.986	6.986	6.985	6.984	6.981	6.978	6.974	6.968	6.962	6.956		
-41.75	A	222846	225165	227542	229977	232469	235018	237624	240287	243006	245780	248610	251495	254435	257430	260479	263582		
	B	6.957	6.963	6.968	6.972	6.975	6.977	6.978	6.979	6.978	6.977	6.975	6.971	6.967	6.962	6.956	6.950		
-41.50	A	221800	224112	226482	228910	231396	233938	236537	239193	241904	244672	247495	250373	253306	256294	259336	262432		
	B	6.949	6.955	6.960	6.964	6.967	6.970	6.971	6.972	6.971	6.970	6.968	6.965	6.961	6.956	6.950	6.944		
-41.25	A	220756	223062	225425	227846	230324	232860	235452	238100	240805	243565	246381	249253	252179	255159	258195	261284		
	B	6.941	6.947	6.952	6.956	6.960	6.962	6.964	6.964	6.964	6.963	6.961	6.958	6.955	6.950	6.944	6.938		
-41.00	A	219715	222013	224369	226783	229255	231783	234368	237010	239708	242461	245270	248134	251054	254027	257055	260138		
	B	6.932	6.939	6.944	6.948	6.952	6.955	6.956	6.957	6.957	6.956	6.955	6.952	6.948	6.944	6.938	6.932		
-40.75	A	218675	220966	223315	225722	228187	230709	233287	235922	238612	241359	244161	247018	249930	252897	255918	258994		
	B	6.924	6.931	6.936	6.941	6.944	6.947	6.949	6.950	6.950	6.949	6.948	6.945	6.942	6.938	6.932	6.926		
-40.50	A	217637	219921	222264	224664	227121	229636	232207	234835	237519	240259	243054	245904	248809	251769	254783	257852		
	B	6.916	6.922	6.928	6.933	6.937	6.940	6.942	6.943	6.943	6.943	6.941	6.939	6.935	6.931	6.926	6.920		
-40.25	A	216601	218878	221214	223607	226058	228566	231130	233751	236428	239161	241949	244792	247690	250643	253650	256712		
	B	6.908	6.914	6.920	6.925	6.929	6.932	6.934	6.936	6.936	6.936	6.934	6.932	6.929	6.925	6.920	6.914		
-40.00	A	215567	217837	220166	222552	224996	227497	230055	232669	235339	238065	240846	243682	246574	249519	252520	255574		
	B	6.899	6.906	6.912	6.917	6.921	6.924	6.927	6.928	6.929	6.929	6.928	6.926	6.923	6.919	6.914	6.908		
-39.75	A	214534	216798	219120	221500	223937	226431	228981	231588	234252	236970	239745	242574	245459	248398	251391	254438		
	B	6.891	6.898	6.904	6.909	6.913	6.917	6.919	6.921	6.922	6.922	6.921	6.919	6.916	6.912	6.908	6.902		
-39.50	A	213504	215761	218076	220449	222879	225366	227910	230510	233166	235878	238646	241468	244346	247278	250264	253304		
	B	6.882	6.890	6.896	6.901	6.906	6.909	6.912	6.914	6.915	6.915	6.914	6.912	6.910	6.906	6.902	6.896		
-39.25	A	212476	214726	217034	219400	221823	224304	226841	229434	232083	234788	237549	240365	243235	246160	249140	252173		
	B	6.874	6.881	6.888	6.893	6.898	6.902	6.904	6.906	6.908	6.908	6.907	6.905	6.903	6.900	6.895	6.890		
-39.00	A	211450	213693	215994	218353	220770	223243	225773	228360	231002	233700	236454	239263	242127	245045	248017	251043		
	B	6.866	6.873	6.880	6.885	6.890	6.894	6.897	6.899	6.900	6.901	6.900	6.899	6.896	6.893	6.889	6.884		
-38.75	A	210425	212662	214956	217308	219718	222185	224708	227287	229923	232615	235361	238163	241020	243931	246897	249916		
	B	6.857	6.865	6.871	6.877	6.882	6.886	6.889	6.892	6.893	6.894	6.893	6.892	6.890	6.887	6.883	6.878		
-38.50	A	209403	211633	213920	216266	218668	221128	223645	226217	228846	231531	234271	237066	239915	242820	245778	248791		
	B	6.849	6.856	6.863	6.869	6.874	6.879	6.882	6.884	6.886	6.887	6.886	6.885	6.883	6.880	6.877	6.872		
-38.25	A	208383	210605	212886	215225	217621	220074	222583	225149	227771	230449	233182	235970	238813	241710	244662	247668		
	B	6.840	6.848	6.855	6.861	6.866	6.871	6.874	6.877	6.879	6.879	6.879	6.878	6.877	6.874	6.870	6.866		

TEMP DEG C		COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C												F=1/(A+DP*B) CUBIC METRE			
		382	384	386	388	390	392	394	396	398	400	402	404	406	408	410	412
-38.00	A	207364	209580	211854	214186	216575	219021	221524	224083	226698	229369	232095	234877	237713	240603	243548	246547
	B	6.832	6.840	6.847	6.853	6.859	6.863	6.867	6.869	6.871	6.872	6.872	6.872	6.870	6.867	6.864	6.860
-37.75	A	206348	208557	210824	213149	215531	217971	220467	223019	225627	228291	231011	233785	236614	239498	242436	245428
	B	6.823	6.831	6.839	6.845	6.851	6.855	6.859	6.862	6.864	6.865	6.865	6.865	6.863	6.861	6.858	6.853
-37.50	A	205333	207536	209796	212114	214490	216922	219411	221957	224558	227216	229928	232696	235518	238395	241326	244311
	B	6.814	6.823	6.830	6.837	6.843	6.847	6.851	6.854	6.857	6.858	6.858	6.858	6.857	6.854	6.851	6.847
-37.25	A	204321	206516	208770	211081	213450	215876	218358	220897	223492	226142	228848	231608	234424	237294	240218	243196
	B	6.806	6.814	6.822	6.829	6.835	6.840	6.844	6.847	6.849	6.851	6.851	6.851	6.850	6.848	6.845	6.841
-37.00	A	203310	205499	207746	210051	212413	214831	217307	219839	222427	225070	227769	230523	233332	236195	239112	242083
	B	6.797	6.806	6.814	6.821	6.827	6.832	6.836	6.839	6.842	6.843	6.844	6.844	6.843	6.841	6.838	6.835
-36.75	A	202301	204484	206724	209022	211377	213789	216258	218783	221364	224001	226693	229440	232242	235098	238009	240973
	B	6.789	6.797	6.805	6.812	6.819	6.824	6.828	6.832	6.834	6.836	6.837	6.837	6.836	6.835	6.832	6.828
-36.50	A	201295	203470	205704	207995	210343	212749	215211	217729	220304	222934	225619	228359	231154	234003	236907	239864
	B	6.780	6.789	6.797	6.804	6.810	6.816	6.820	6.824	6.827	6.829	6.830	6.830	6.829	6.828	6.825	6.822
-36.25	A	200290	202459	204686	206970	209312	211710	214166	216677	219245	221868	224547	227280	230068	232911	235807	238758
	B	6.771	6.780	6.788	6.796	6.802	6.808	6.813	6.817	6.820	6.822	6.823	6.823	6.823	6.821	6.819	6.816
-36.00	A	199287	201449	203669	205947	208282	210674	213123	215628	218188	220805	223477	226203	228985	231820	234710	237654
	B	6.762	6.772	6.780	6.788	6.794	6.800	6.805	6.809	6.812	6.814	6.816	6.816	6.816	6.815	6.812	6.809
-35.75	A	198287	200442	202655	204926	207255	209640	212082	214580	217134	219744	222409	225128	227903	230732	233615	236552
	B	6.754	6.763	6.772	6.779	6.786	6.792	6.797	6.801	6.805	6.807	6.808	6.809	6.809	6.808	6.806	6.803
-35.50	A	197288	199437	201643	203908	206229	208608	211043	213534	216082	218685	221343	224056	226824	229646	232522	235452
	B	6.745	6.754	6.763	6.771	6.778	6.784	6.789	6.794	6.797	6.800	6.801	6.802	6.802	6.801	6.799	6.797
-35.25	A	196291	198433	200633	202891	205206	207578	210006	212491	215031	217627	220279	222985	225746	228561	231431	234354
	B	6.736	6.746	6.755	6.763	6.770	6.776	6.781	6.786	6.789	6.792	6.794	6.795	6.795	6.794	6.793	6.790
-35.00	A	195296	197432	199625	201876	204184	206549	208971	211449	213983	216572	219217	221917	224671	227479	230342	233258
	B	6.727	6.737	6.746	6.754	6.762	6.768	6.773	6.778	6.782	6.785	6.787	6.788	6.788	6.788	6.786	6.784
-34.75	A	194304	196432	198619	200863	203165	205523	207938	210410	212937	215519	218157	220850	223598	226399	229255	232165
	B	6.718	6.728	6.738	6.746	6.753	6.760	6.765	6.770	6.774	6.777	6.779	6.781	6.781	6.781	6.779	6.777
-34.50	A	193313	195435	197615	199853	202147	204499	206908	209372	211893	214469	217100	219786	222527	225322	228170	231073
	B	6.709	6.720	6.729	6.737	6.745	6.752	6.758	6.762	6.767	6.770	6.772	6.774	6.774	6.774	6.773	6.771
-34.25	A	192324	194439	196613	198844	201132	203477	205879	208337	210851	213420	216044	218724	221458	224246	227088	229984
	B	6.701	6.711	6.720	6.729	6.737	6.744	6.750	6.755	6.759	6.762	6.765	6.766	6.767	6.767	6.766	6.764

TEMP DEG C		COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
		382	384	386	388	390	392	394	396	398	400	402	404	406	408	410	412	
-34.00	A	191337	193446	195613	197837	200119	202457	204852	207304	209811	212373	214991	217664	220391	223172	226008	228897	
	B	6.692	6.702	6.712	6.721	6.728	6.735	6.742	6.747	6.751	6.755	6.757	6.759	6.760	6.760	6.759	6.758	
-33.75	A	190353	192455	194615	196833	199107	201439	203828	206272	208773	211329	213940	216606	219326	222101	224929	227812	
	B	6.683	6.693	6.703	6.712	6.720	6.727	6.733	6.739	6.743	6.747	6.750	6.752	6.753	6.753	6.753	6.751	
-33.50	A	189370	191465	193619	195830	198098	200424	202805	205243	207737	210286	212890	215550	218263	221031	223853	226729	
	B	6.674	6.685	6.694	6.703	6.712	6.719	6.725	6.731	6.736	6.740	6.743	6.745	6.746	6.746	6.746	6.744	
-33.25	A	188389	190478	192625	194829	197091	199410	201785	204216	206703	209246	211843	214496	217203	219964	222779	225648	
	B	6.665	6.676	6.686	6.695	6.703	6.711	6.717	6.723	6.728	6.732	6.735	6.737	6.739	6.739	6.739	6.738	
-33.00	A	187410	189493	191633	193831	196086	198398	200766	203191	205671	208207	210798	213444	216144	218899	221707	224569	
	B	6.656	6.667	6.677	6.686	6.695	6.703	6.709	6.715	6.720	6.724	6.728	6.730	6.732	6.732	6.732	6.731	
-32.75	A	186433	188509	190643	192834	195083	197388	199750	202168	204642	207171	209755	212395	215088	217836	220638	223493	
	B	6.647	6.658	6.668	6.678	6.686	6.694	6.701	6.707	6.712	6.717	6.720	6.723	6.724	6.725	6.725	6.724	
-32.50	A	185459	187528	189655	191840	194082	196381	198736	201147	203614	206137	208715	211347	214034	216775	219570	222418	
	B	6.638	6.649	6.660	6.669	6.678	6.686	6.693	6.699	6.705	6.709	6.713	6.715	6.717	6.718	6.718	6.718	
-32.25	A	184486	186549	188669	190847	193083	195375	197724	200129	202589	205105	207676	210302	212982	215716	218505	221346	
	B	6.628	6.640	6.651	6.661	6.669	6.678	6.685	6.691	6.697	6.701	6.705	6.708	6.710	6.711	6.712	6.711	
-32.00	A	183515	185571	187685	189857	192086	194372	196714	199112	201566	204075	206639	209259	211932	214660	217441	220276	
	B	6.619	6.631	6.642	6.652	6.661	6.669	6.677	6.683	6.689	6.694	6.698	6.701	6.703	6.704	6.705	6.704	
-31.75	A	182546	184596	186704	188869	191091	193370	195706	198097	200545	203047	205605	208218	210884	213605	216380	219208	
	B	6.610	6.622	6.633	6.643	6.652	6.661	6.668	6.675	6.681	6.686	6.690	6.693	6.696	6.697	6.698	6.697	
-31.50	A	181580	183623	185724	187882	190098	192371	194700	197085	199525	202022	204573	207179	209839	212553	215321	218143	
	B	6.601	6.613	6.624	6.634	6.644	6.652	6.660	6.667	6.673	6.678	6.682	6.686	6.688	6.690	6.691	6.691	
-31.25	A	180615	182652	184746	186898	189107	191373	193696	196074	198508	200998	203542	206142	208795	211503	214264	217079	
	B	6.592	6.604	6.615	6.626	6.635	6.644	6.652	6.659	6.665	6.670	6.675	6.678	6.681	6.683	6.684	6.684	
-31.00	A	179652	181682	183770	185916	188119	190378	192694	195066	197494	199976	202514	205107	207754	210455	213210	216018	
	B	6.583	6.595	6.606	6.617	6.627	6.636	6.644	6.651	6.657	6.662	6.667	6.671	6.674	6.676	6.677	6.677	
-30.75	A	178692	180715	182797	184936	187132	189385	191694	194060	196481	198957	201488	204074	206715	209409	212157	214958	
	B	6.573	6.586	6.597	6.608	6.618	6.627	6.635	6.643	6.649	6.655	6.659	6.663	6.666	6.668	6.670	6.670	
-30.50	A	177733	179750	181825	183958	186147	188394	190697	193056	195470	197940	200465	203044	205678	208365	211107	213901	
	B	6.564	6.577	6.588	6.599	6.609	6.619	6.627	6.634	6.641	6.647	6.652	6.656	6.659	6.661	6.663	6.663	
-30.25	A	176776	178787	180856	182982	185165	187405	189701	192054	194461	196925	199443	202016	204643	207324	210058	212846	
	B	6.555	6.568	6.579	6.591	6.601	6.610	6.619	6.626	6.633	6.639	6.644	6.648	6.651	6.654	6.655	6.656	

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)		
		382	384	386	388	390	392	394	396	398	400	402	404	406	408	410	412		
-30.00	A	175822	177826	179888	182008	184185	186418	188708	191054	193455	195912	198423	200989	203610	206284	209012	211794		
	B	6.545	6.558	6.570	6.582	6.592	6.601	6.610	6.618	6.625	6.631	6.636	6.640	6.644	6.647	6.648	6.649		
-29.75	A	174869	176867	178923	181036	183206	185433	187716	190056	192451	194901	197406	199965	202579	205247	207968	210743		
	B	6.536	6.549	6.561	6.573	6.583	6.593	6.602	6.610	6.617	6.623	6.628	6.633	6.636	6.639	6.641	6.642		
-29.50	A	173919	175910	177959	180066	182230	184450	186727	189060	191448	193892	196390	198943	201551	204212	206927	209695		
	B	6.527	6.540	6.552	6.564	6.575	6.584	6.593	6.601	6.609	6.615	6.620	6.625	6.629	6.632	6.634	6.635		
-29.25	A	172970	174955	176998	179098	181256	183470	185740	188066	190448	192885	195377	197924	200524	203179	205887	208649		
	B	6.517	6.531	6.543	6.555	6.566	6.576	6.585	6.593	6.600	6.607	6.613	6.617	6.621	6.625	6.627	6.628		
-29.00	A	172024	174002	176039	178133	180284	182491	184755	187075	189450	191881	194366	196906	199500	202148	204850	207605		
	B	6.508	6.521	6.534	6.546	6.557	6.567	6.576	6.585	6.592	6.599	6.605	6.610	6.614	6.617	6.620	6.621		
-28.75	A	171079	173051	175081	177169	179313	181515	183772	186085	188454	190878	193357	195891	198478	201120	203814	206563		
	B	6.498	6.512	6.525	6.537	6.548	6.558	6.568	6.576	6.584	6.591	6.597	6.602	6.606	6.610	6.612	6.614		
-28.50	A	170137	172103	174126	176207	178346	180540	182791	185098	187461	189878	192350	194877	197458	200093	202781	205523		
	B	6.489	6.503	6.516	6.528	6.539	6.550	6.559	6.568	6.576	6.583	6.589	6.594	6.599	6.602	6.605	6.607		
-28.25	A	169197	171156	173173	175248	177380	179568	181813	184113	186469	188880	191346	193866	196441	199069	201751	204485		
	B	6.480	6.494	6.507	6.519	6.530	6.541	6.551	6.560	6.568	6.575	6.581	6.587	6.591	6.595	6.598	6.600		
-28.00	A	168258	170211	172222	174291	176416	178598	180836	183130	185479	187884	190343	192857	195425	198047	200722	203450		
	B	6.470	6.484	6.497	6.510	6.521	6.532	6.542	6.551	6.559	6.567	6.573	6.579	6.583	6.587	6.590	6.593		
-27.75	A	167322	169269	171273	173335	175454	177630	179861	182149	184492	186890	189343	191850	194412	197027	199695	202417		
	B	6.460	6.475	6.488	6.501	6.513	6.523	6.533	6.543	6.551	6.558	6.565	6.571	6.576	6.580	6.583	6.586		
-27.50	A	166388	168328	170326	172382	174495	176664	178889	181170	183507	185898	188345	190846	193400	196009	198671	201386		
	B	6.451	6.465	6.479	6.492	6.504	6.515	6.525	6.534	6.543	6.550	6.557	6.563	6.568	6.572	6.576	6.578		
-27.25	A	165456	167390	169382	171431	173537	175700	177919	180193	182524	184909	187349	189843	192391	194993	197649	200357		
	B	6.441	6.456	6.470	6.483	6.495	6.506	6.516	6.526	6.534	6.542	6.549	6.555	6.560	6.565	6.568	6.571		
-27.00	A	164526	166453	168439	170482	172582	174738	176951	179219	181543	183921	186355	188843	191384	193980	196629	199331		
	B	6.432	6.446	6.460	6.473	6.486	6.497	6.507	6.517	6.526	6.534	6.541	6.547	6.553	6.557	6.561	6.564		
-26.75	A	163598	165519	167498	169535	171628	173778	175985	178246	180564	182936	185363	187844	190380	192969	195611	198307		
	B	6.422	6.437	6.451	6.464	6.477	6.488	6.499	6.509	6.518	6.526	6.533	6.539	6.545	6.550	6.554	6.557		
-26.50	A	162672	164587	166560	168590	170677	172821	175021	177276	179587	181953	184374	186848	189377	191960	194596	197284		
	B	6.412	6.427	6.442	6.455	6.468	6.479	6.490	6.500	6.509	6.517	6.525	6.531	6.537	6.542	6.546	6.549		
-26.25	A	161748	163657	165623	167647	169728	171865	174059	176308	178612	180972	183386	185855	188377	190953	193582	196264		
	B	6.403	6.418	6.432	6.446	6.458	6.470	6.481	6.491	6.501	6.509	6.517	6.523	6.529	6.534	6.539	6.542		

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	382	384	386	388	390	392	394	396	398	400	402	404	406	408	410	412	
-26.00 A	160826	162728	164689	166706	168781	170912	173099	175342	177640	179993	182401	184863	187379	189948	192571	195247	
-26.00 B	6.393	6.408	6.423	6.437	6.449	6.461	6.472	6.483	6.492	6.501	6.509	6.515	6.522	6.527	6.531	6.535	
-25.75 A	159906	161802	163757	165768	167836	169961	172142	174378	176670	179016	181418	183873	186383	188946	191562	194231	
-25.75 B	6.383	6.399	6.413	6.427	6.440	6.452	6.464	6.474	6.484	6.492	6.500	6.507	6.514	6.519	6.524	6.527	
-25.50 A	158988	160878	162826	164831	166893	169012	171186	173416	175702	178042	180437	182886	185389	187945	190555	193218	
-25.50 B	6.374	6.389	6.404	6.418	6.431	6.443	6.455	6.465	6.475	6.484	6.492	6.499	6.506	6.511	6.516	6.520	
-25.25 A	158073	159957	161898	163897	165953	168065	170233	172457	174736	177070	179458	181901	184397	186947	189551	192207	
-25.25 B	6.364	6.380	6.395	6.409	6.422	6.434	6.446	6.457	6.467	6.476	6.484	6.491	6.498	6.504	6.508	6.512	
-25.00 A	157159	159037	160972	162965	165014	167120	169282	171499	173772	176099	178482	180918	183408	185951	188548	191198	
-25.00 B	6.354	6.370	6.385	6.399	6.413	6.425	6.437	6.448	6.458	6.467	6.476	6.483	6.490	6.496	6.501	6.505	
-24.75 A	156248	158119	160048	162034	164078	166177	168333	170544	172810	175131	177507	179937	182421	184958	187548	190191	
-24.75 B	6.344	6.360	6.375	6.390	6.404	6.416	6.428	6.439	6.449	6.459	6.467	6.475	6.482	6.488	6.493	6.498	
-24.50 A	155338	157203	159126	161106	163143	165237	167386	169591	171851	174166	176535	178958	181436	183966	186550	189187	
-24.50 B	6.334	6.351	6.366	6.381	6.394	6.407	6.419	6.430	6.441	6.450	6.459	6.467	6.474	6.480	6.486	6.490	
-24.25 A	154431	156290	158207	160180	162211	164298	166441	168640	170893	173202	175565	177982	180453	182977	185554	188184	
-24.25 B	6.324	6.341	6.356	6.371	6.385	6.398	6.410	6.422	6.432	6.442	6.451	6.459	6.466	6.472	6.478	6.483	
-24.00 A	153526	155378	157289	159257	161281	163362	165498	167691	169938	172240	174597	177008	179472	181990	184561	187184	
-24.00 B	6.314	6.331	6.347	6.362	6.376	6.389	6.401	6.413	6.424	6.433	6.442	6.451	6.458	6.464	6.470	6.475	
-23.75 A	152622	154469	156373	158335	160353	162428	164558	166744	168985	171281	173631	176036	178494	181005	183569	186187	
-23.75 B	6.305	6.321	6.337	6.352	6.366	6.380	6.392	6.404	6.415	6.425	6.434	6.442	6.450	6.457	6.462	6.467	
-23.50 A	151721	153562	155460	157415	159427	161495	163620	165799	168034	170324	172668	175066	177517	180022	182580	185191	
-23.50 B	6.295	6.311	6.327	6.343	6.357	6.371	6.383	6.395	6.406	6.416	6.426	6.434	6.442	6.449	6.455	6.460	
-23.25 A	150822	152657	154549	156498	158503	160566	162684	164857	167086	169369	171706	174098	176543	179042	181594	184198	
-23.25 B	6.285	6.302	6.318	6.333	6.348	6.361	6.374	6.386	6.397	6.408	6.417	6.426	6.434	6.441	6.447	6.452	
-23.00 A	149925	151754	153639	155582	157582	159638	161750	163917	166139	168416	170747	173133	175571	178064	180609	183207	
-23.00 B	6.275	6.292	6.308	6.324	6.338	6.352	6.365	6.377	6.389	6.399	6.409	6.418	6.426	6.433	6.439	6.445	
-22.75 A	149030	150853	152732	154669	156662	158712	160818	162979	165195	167465	169790	172169	174602	177088	179626	182218	
-22.75 B	6.265	6.282	6.298	6.314	6.329	6.343	6.356	6.368	6.380	6.390	6.400	6.409	6.417	6.425	6.431	6.437	
-22.50 A	148138	149954	151827	153758	155745	157789	159888	162043	164252	166517	168836	171208	173634	176114	178646	181231	
-22.50 B	6.254	6.272	6.289	6.304	6.319	6.334	6.347	6.359	6.371	6.382	6.392	6.401	6.409	6.417	6.423	6.429	
-22.25 A	147247	149057	150924	152849	154830	156867	158960	161109	163312	165571	167883	170249	172669	175142	177668	180247	
-22.25 B	6.244	6.262	6.279	6.295	6.310	6.324	6.338	6.350	6.362	6.373	6.383	6.393	6.401	6.409	6.416	6.421	

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C										F=1/(A+DP*B) CUBIC METRE									
		382	384	386	388	390	392	394	396	398	400	402	404	406	408	410	412				
-22.00	A	146358	148162	150024	151942	153917	155948	158035	160177	162375	164627	166933	169293	171706	174173	176692	179265				
	B	6.234	6.252	6.269	6.285	6.300	6.315	6.329	6.341	6.353	6.364	6.375	6.384	6.393	6.401	6.408	6.414				
-21.75	A	145472	147270	149125	151037	153006	155031	157112	159248	161439	163685	165985	168338	170745	173206	175719	178285				
	B	6.224	6.242	6.259	6.276	6.291	6.306	6.319	6.332	6.344	6.356	6.366	6.376	6.385	6.393	6.400	6.406				
-21.50	A	144588	146379	148228	150135	152097	154116	156191	158321	160506	162745	165039	167386	169787	172241	174748	177307				
	B	6.214	6.232	6.249	6.266	6.281	6.296	6.310	6.323	6.336	6.347	6.358	6.367	6.376	6.384	6.392	6.398				
-21.25	A	143705	145491	147334	149234	151191	153203	155272	157396	159574	161807	164095	166436	168831	171278	173779	176331				
	B	6.204	6.222	6.240	6.256	6.272	6.287	6.301	6.314	6.327	6.338	6.349	6.359	6.368	6.376	6.384	6.390				
-21.00	A	142825	144605	146442	148336	150286	152293	154355	156473	158645	160872	163153	165488	167876	170318	172812	175358				
	B	6.194	6.212	6.230	6.246	6.262	6.277	6.292	6.305	6.318	6.329	6.340	6.350	6.360	6.368	6.376	6.383				
-20.75	A	141947	143721	145552	147440	149384	151384	153441	155552	157718	159939	162214	164543	166925	169360	171847	174387				
	B	6.183	6.202	6.220	6.237	6.253	6.268	6.282	6.296	6.309	6.321	6.332	6.342	6.351	6.360	6.368	6.375				
-20.50	A	141071	142839	144664	146545	148484	150478	152528	154633	156794	159008	161277	163599	165975	168404	170885	173419				
	B	6.173	6.192	6.210	6.227	6.243	6.258	6.273	6.287	6.300	6.312	6.323	6.333	6.343	6.352	6.360	6.367				
-20.25	A	140197	141959	143778	145654	147586	149574	151618	153717	155871	158079	160342	162658	165027	167450	169925	172452				
	B	6.163	6.182	6.200	6.217	6.233	6.249	6.264	6.278	6.291	6.303	6.314	6.325	6.335	6.344	6.352	6.359				
-20.00	A	139326	141081	142894	144764	146690	148672	150710	152803	154951	157153	159409	161719	164082	166498	168967	171488				
	B	6.153	6.172	6.190	6.207	6.224	6.239	6.254	6.268	6.282	6.294	6.305	6.316	6.326	6.335	6.344	6.351				
-19.75	A	138456	140206	142012	143876	145796	147772	149804	151891	154033	156229	158479	160782	163139	165549	168011	170526				
	B	6.142	6.161	6.180	6.197	6.214	6.230	6.245	6.259	6.272	6.285	6.297	6.308	6.318	6.327	6.335	6.343				
-19.50	A	137588	139332	141133	142991	144905	146875	148900	150981	153117	155307	157550	159848	162199	164602	167058	169566				
	B	6.132	6.151	6.170	6.187	6.204	6.220	6.235	6.250	6.263	6.276	6.288	6.299	6.309	6.319	6.327	6.335				
-19.25	A	136723	138461	140256	142107	144015	145979	147999	150074	152203	154387	156624	158916	161260	163657	166107	168609				
	B	6.122	6.141	6.160	6.177	6.194	6.211	6.226	6.241	6.254	6.267	6.279	6.290	6.301	6.310	6.319	6.327				
-19.00	A	135860	137592	139380	141226	143128	145086	147100	149168	151292	153469	155701	157986	160324	162715	165158	167654				
	B	6.111	6.131	6.150	6.168	6.185	6.201	6.217	6.231	6.245	6.258	6.270	6.282	6.292	6.302	6.311	6.319				
-18.75	A	134999	136724	138507	140347	142243	144195	146203	148265	150382	152554	154779	157058	159390	161774	164212	166701				
	B	6.101	6.121	6.139	6.158	6.175	6.191	6.207	6.222	6.236	6.249	6.261	6.273	6.284	6.294	6.303	6.311				
-18.50	A	134140	135860	137637	139470	141360	143306	145308	147364	149475	151640	153860	156132	158458	160836	163267	165750				
	B	6.090	6.110	6.129	6.148	6.165	6.182	6.198	6.212	6.227	6.240	6.253	6.264	6.275	6.285	6.294	6.303				
-18.25	A	133283	134997	136768	138596	140480	142420	144415	146465	148570	150729	152942	155209	157528	159901	162325	164802				
	B	6.080	6.100	6.119	6.138	6.155	6.172	6.188	6.203	6.217	6.231	6.244	6.255	6.267	6.277	6.286	6.295				

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C										F=1/(A+DP*B) CUBIC METRE									
		382	384	386	388	390	392	394	396	398	400	402	404	406	408	410	412				
-18.00	A	132428	134136	135901	137723	139601	141535	143524	145569	147668	149821	152028	154288	156601	158967	161386	163856				
	B	6.069	6.090	6.109	6.128	6.145	6.162	6.178	6.194	6.208	6.222	6.235	6.247	6.258	6.268	6.278	6.287				
-17.75	A	131576	133278	135037	136853	138725	140653	142636	144674	146767	148914	151115	153369	155676	158036	160448	162912				
	B	6.059	6.079	6.099	6.118	6.135	6.153	6.169	6.184	6.199	6.213	6.226	6.238	6.249	6.260	6.270	6.278				
-17.50	A	130725	132421	134174	135984	137851	139773	141750	143782	145869	148010	150204	152452	154753	157107	159513	161971				
	B	6.048	6.069	6.089	6.107	6.125	6.143	6.159	6.175	6.190	6.204	6.217	6.229	6.241	6.251	6.261	6.270				
-17.25	A	129877	131567	133314	135118	136979	138895	140866	142892	144973	147108	149296	151538	153833	156180	158580	161031				
	B	6.038	6.058	6.078	6.097	6.116	6.133	6.150	6.165	6.180	6.194	6.208	6.220	6.232	6.243	6.253	6.262				
-17.00	A	129030	130715	132456	134255	136109	138019	139984	142004	144079	146208	148390	150626	152915	155256	157649	160095				
	B	6.027	6.048	6.068	6.087	6.106	6.123	6.140	6.156	6.171	6.185	6.199	6.211	6.223	6.234	6.244	6.254				
-16.75	A	128186	129865	131601	133393	135241	137145	139105	141119	143188	145310	147487	149716	151999	154334	156721	159160				
	B	6.017	6.038	6.058	6.077	6.096	6.113	6.130	6.146	6.162	6.176	6.190	6.202	6.214	6.226	6.236	6.246				
-16.50	A	127344	129017	130747	132533	134376	136274	138227	140236	142298	144415	146585	148809	151085	153414	155795	158227				
	B	6.006	6.027	6.047	6.067	6.086	6.103	6.120	6.137	6.152	6.167	6.181	6.194	6.206	6.217	6.228	6.237				
-16.25	A	126505	128172	129895	131676	133513	135405	137352	139354	141411	143522	145686	147903	150173	152496	154871	157297				
	B	5.995	6.017	6.037	6.057	6.075	6.094	6.111	6.127	6.143	6.157	6.171	6.185	6.197	6.208	6.219	6.229				
-16.00	A	125667	127328	129046	130821	132651	134538	136479	138476	140526	142631	144789	147000	149264	151581	153949	156370				
	B	5.985	6.006	6.027	6.046	6.065	6.084	6.101	6.118	6.133	6.148	6.162	6.176	6.188	6.200	6.211	6.221				
-15.75	A	124832	126487	128199	129968	131793	133673	135609	137599	139644	141742	143894	146099	148357	150668	153030	155444				
	B	5.974	5.995	6.016	6.036	6.055	6.074	6.091	6.108	6.124	6.139	6.153	6.167	6.179	6.191	6.202	6.212				
-15.50	A	123998	125648	127354	129117	130936	132810	134740	136724	138763	140856	143002	145201	147453	149757	152113	154521				
	B	5.963	5.985	6.006	6.026	6.045	6.064	6.081	6.098	6.114	6.130	6.144	6.158	6.170	6.182	6.194	6.204				
-15.25	A	123167	124811	126511	128268	130081	131950	133874	135852	137885	139971	142111	144305	146550	148848	151198	153600				
	B	5.952	5.974	5.995	6.016	6.035	6.054	6.072	6.089	6.105	6.120	6.135	6.149	6.162	6.174	6.185	6.196				
-15.00	A	122338	123976	125671	127422	129229	131092	133010	134982	137009	139090	141223	143410	145650	147942	150286	152681				
	B	5.942	5.964	5.985	6.005	6.025	6.044	6.062	6.079	6.095	6.111	6.126	6.139	6.153	6.165	6.176	6.187				
-14.75	A	121511	123143	124832	126578	128379	130236	132148	134115	136135	138210	140338	142519	144752	147038	149376	151765				
	B	5.931	5.953	5.974	5.995	6.015	6.034	6.052	6.069	6.086	6.101	6.116	6.130	6.144	6.156	6.168	6.179				
-14.50	A	120686	122313	123996	125736	127531	129382	131288	133249	135264	137332	139454	141629	143857	146136	148468	150851				
	B	5.920	5.942	5.964	5.985	6.004	6.024	6.042	6.059	6.076	6.092	6.107	6.121	6.135	6.147	6.159	6.170				
-14.25	A	119864	121485	123162	124896	126686	128531	130431	132386	134395	136457	138573	140742	142963	145237	147563	149939				
	B	5.909	5.932	5.953	5.974	5.994	6.013	6.032	6.050	6.066	6.082	6.098	6.112	6.126	6.139	6.151	6.162				

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C										F=1/(A+DP*B) CUBIC METRE									
		382	384	386	388	390	392	394	396	398	400	402	404	406	408	410	412				
-14.00	A	119044	120658	122330	124058	125842	127681	129576	131525	133528	135584	137694	139857	142072	144340	146659	149030				
	B	5.898	5.921	5.943	5.964	5.984	6.003	6.022	6.040	6.057	6.073	6.088	6.103	6.117	6.130	6.142	6.153				
-13.75	A	118225	119835	121501	123223	125001	126834	128723	130666	132663	134714	136818	138974	141184	143445	145758	148123				
	B	5.887	5.910	5.932	5.953	5.974	5.993	6.012	6.030	6.047	6.063	6.079	6.094	6.108	6.121	6.133	6.145				
-13.50	A	117409	119013	120673	122390	124162	125990	127872	129809	131800	133845	135943	138094	140297	142553	144860	147218				
	B	5.876	5.899	5.921	5.943	5.963	5.983	6.002	6.020	6.037	6.054	6.070	6.085	6.099	6.112	6.124	6.136				
-13.25	A	116595	118193	119848	121558	123325	125147	127024	128955	130940	132979	135071	137216	139413	141663	143963	146316				
	B	5.865	5.888	5.911	5.932	5.953	5.973	5.992	6.010	6.028	6.044	6.060	6.075	6.090	6.103	6.116	6.128				
-13.00	A	115784	117376	119025	120730	122490	124307	126178	128103	130082	132115	134201	136340	138531	140775	143069	145416				
	B	5.854	5.878	5.900	5.922	5.943	5.963	5.982	6.000	6.018	6.035	6.051	6.066	6.080	6.094	6.107	6.119				
-12.75	A	114974	116561	118204	119903	121658	123468	125334	127253	129227	131254	133334	135467	137652	139889	142178	144518				
	B	5.843	5.867	5.889	5.911	5.932	5.952	5.972	5.990	6.008	6.025	6.041	6.057	6.071	6.085	6.098	6.110				
-12.50	A	114167	115748	117385	119079	120828	122632	124492	126406	128373	130394	132469	134595	136775	139006	141288	143622				
	B	5.832	5.856	5.879	5.901	5.922	5.942	5.962	5.980	5.998	6.016	6.032	6.047	6.062	6.076	6.089	6.102				
-12.25	A	113362	114937	116569	118256	120000	121799	123652	125560	127522	129537	131606	133726	135900	138125	140401	142729				
	B	5.821	5.845	5.868	5.890	5.911	5.932	5.952	5.970	5.989	6.006	6.022	6.038	6.053	6.067	6.080	6.093				
-12.00	A	112559	114128	115754	117436	119174	120967	122815	124717	126673	128682	130745	132860	135027	137246	139517	141838				
	B	5.810	5.834	5.857	5.879	5.901	5.922	5.941	5.960	5.979	5.996	6.013	6.029	6.044	6.058	6.072	6.084				
-11.75	A	111758	113322	114942	116619	118351	120138	121980	123876	125826	127830	129886	131995	134157	136370	138634	140950				
	B	5.799	5.823	5.846	5.869	5.890	5.911	5.931	5.950	5.969	5.986	6.003	6.019	6.035	6.049	6.063	6.075				
-11.50	A	110959	112517	114132	115803	117530	119311	121147	123038	124982	126980	129030	131133	133289	135496	137754	140064				
	B	5.788	5.812	5.836	5.858	5.880	5.901	5.921	5.940	5.959	5.977	5.994	6.010	6.025	6.040	6.054	6.067				
-11.25	A	110163	111715	113325	114990	116710	118486	120317	122202	124140	126132	128176	130274	132423	134624	136876	139180				
	B	5.777	5.801	5.825	5.847	5.869	5.890	5.911	5.930	5.949	5.967	5.984	6.000	6.016	6.031	6.045	6.058				
-11.00	A	109368	110916	112519	114179	115894	117664	119489	121368	123300	125286	127325	129416	131560	133755	136001	138298				
	B	5.766	5.790	5.814	5.837	5.859	5.880	5.901	5.920	5.939	5.957	5.975	5.991	6.007	6.022	6.036	6.049				
-10.75	A	108576	110118	111716	113370	115079	116844	118663	120536	122463	124443	126476	128561	130698	132887	135128	137419				
	B	5.754	5.779	5.803	5.826	5.848	5.870	5.890	5.910	5.929	5.947	5.965	5.982	5.997	6.012	6.027	6.040				
-10.50	A	107787	109322	110915	112563	114267	116026	117839	119706	121627	123602	125629	127708	129840	132023	134257	136542				
	B	5.743	5.768	5.792	5.815	5.838	5.859	5.880	5.900	5.919	5.938	5.955	5.972	5.988	6.003	6.018	6.031				
-10.25	A	106999	108529	110116	111759	113457	115210	117017	118879	120794	122763	124784	126858	128983	131160	133389	135668				
	B	5.732	5.757	5.781	5.804	5.827	5.849	5.870	5.890	5.909	5.928	5.946	5.962	5.979	5.994	6.009	6.022				

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	382	384	386	388	390	392	394	396	398	400	402	404	406	408	410	412	
-10.00 A	106213	107738	109319	110956	112649	114396	116198	118054	119964	121926	123942	126009	128129	130300	132522	134795	
-10.00 B	5.721	5.746	5.770	5.794	5.816	5.838	5.859	5.880	5.899	5.918	5.936	5.953	5.969	5.985	6.000	6.014	
-9.75 A	105430	106949	108525	110156	111843	113585	115381	117231	119135	121092	123102	125163	127277	129442	131659	133926	
-9.75 B	5.709	5.735	5.759	5.783	5.806	5.828	5.849	5.869	5.889	5.908	5.926	5.943	5.960	5.976	5.991	6.005	
-9.50 A	104649	106163	107733	109359	111040	112776	114567	116411	118309	120260	122264	124320	126428	128587	130797	133058	
-9.50 B	5.698	5.723	5.748	5.772	5.795	5.817	5.838	5.859	5.879	5.898	5.916	5.934	5.950	5.966	5.981	5.996	
-9.25 A	103870	105378	106943	108563	110239	111969	113754	115593	117485	119431	121428	123479	125580	127734	129938	132193	
-9.25 B	5.687	5.712	5.737	5.761	5.784	5.806	5.828	5.849	5.869	5.888	5.906	5.924	5.941	5.957	5.972	5.987	
-9.00 A	103093	104596	106155	107770	109440	111165	112944	114777	116664	118603	120595	122640	124736	126883	129081	131330	
-9.00 B	5.675	5.701	5.726	5.750	5.773	5.796	5.818	5.839	5.859	5.878	5.897	5.914	5.931	5.948	5.963	5.978	
-8.75 A	102319	103816	105370	106979	108643	110363	112136	113964	115844	117778	119764	121803	123893	126035	128227	130470	
-8.75 B	5.664	5.690	5.715	5.739	5.763	5.785	5.807	5.828	5.849	5.868	5.887	5.905	5.922	5.938	5.954	5.969	
-8.50 A	101547	103039	104586	106190	107849	109563	111331	113152	115027	116955	118936	120969	123053	125188	127375	129612	
-8.50 B	5.653	5.678	5.704	5.728	5.752	5.775	5.797	5.818	5.838	5.858	5.877	5.895	5.912	5.929	5.945	5.960	
-8.25 A	100777	102263	103805	105404	107057	108765	110527	112343	114213	116135	118110	120137	122215	124345	126525	128756	
-8.25 B	5.641	5.667	5.693	5.717	5.741	5.764	5.786	5.808	5.828	5.848	5.867	5.885	5.903	5.920	5.935	5.951	
-8.00 A	100009	101490	103027	104619	106267	107970	109726	111537	113400	115317	117286	119307	121379	123503	125678	127903	
-8.00 B	5.630	5.656	5.681	5.706	5.730	5.753	5.776	5.797	5.818	5.838	5.857	5.876	5.893	5.910	5.926	5.941	
-7.75 A	99243	100719	102250	103837	105480	107176	108927	110732	112590	114501	116464	118480	120546	122664	124833	127052	
-7.75 B	5.618	5.645	5.670	5.695	5.719	5.742	5.765	5.787	5.808	5.828	5.847	5.866	5.884	5.901	5.917	5.932	
-7.50 A	98480	99950	101476	103057	104694	106386	108131	109930	111783	113688	115645	117655	119715	121827	123990	126203	
-7.50 B	5.607	5.633	5.659	5.684	5.708	5.732	5.754	5.776	5.797	5.818	5.837	5.856	5.874	5.891	5.908	5.923	
-7.25 A	97719	99183	100704	102280	103911	105597	107337	109130	110977	112877	114828	116832	118887	120993	123150	125357	
-7.25 B	5.595	5.622	5.648	5.673	5.697	5.721	5.744	5.766	5.787	5.808	5.827	5.846	5.864	5.882	5.898	5.914	
-7.00 A	96960	98419	99934	101505	103130	104811	106545	108333	110174	112068	114014	116011	118061	120161	122312	124513	
-7.00 B	5.583	5.610	5.636	5.662	5.686	5.710	5.733	5.755	5.777	5.797	5.817	5.836	5.855	5.872	5.889	5.905	
-6.75 A	96203	97657	99166	100732	102352	104027	105755	107538	109373	111261	113201	115193	117237	119331	121476	123672	
-6.75 B	5.572	5.599	5.625	5.651	5.675	5.699	5.722	5.745	5.766	5.787	5.807	5.826	5.845	5.863	5.879	5.896	
-6.50 A	95449	96897	98401	99961	101576	103245	104968	106745	108575	110457	112391	114378	116415	118504	120643	122832	
-6.50 B	5.560	5.587	5.614	5.640	5.664	5.688	5.712	5.734	5.756	5.777	5.797	5.817	5.835	5.853	5.870	5.886	
-6.25 A	94696	96139	97638	99192	100802	102465	104183	105954	107778	109655	111584	113564	115596	117679	119812	121996	
-6.25 B	5.549	5.576	5.603	5.628	5.653	5.678	5.701	5.724	5.746	5.767	5.787	5.807	5.825	5.843	5.861	5.877	

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C											F=1/(A+DP*B) CUBIC METRE				
	382	384	386	388	390	392	394	396	398	400	402	404	406	408	410	412
-6.00 A	93946	95384	96877	98426	100030	101688	103400	105166	106984	108855	110779	112753	114780	116856	118984	121161
B	5.537	5.564	5.591	5.617	5.642	5.667	5.690	5.713	5.735	5.756	5.777	5.797	5.816	5.834	5.851	5.868
-5.75 A	93198	94631	96119	97662	99261	100913	102620	104380	106193	108058	109976	111945	113965	116036	118158	120329
B	5.525	5.553	5.580	5.606	5.631	5.656	5.680	5.703	5.725	5.746	5.767	5.787	5.806	5.824	5.842	5.858
-5.50 A	92453	93880	95363	96901	98493	100141	101842	103596	105404	107263	109175	111139	113153	115218	117334	119500
B	5.514	5.541	5.568	5.595	5.620	5.645	5.669	5.692	5.714	5.736	5.757	5.777	5.796	5.814	5.832	5.849
-5.25 A	91710	93131	94608	96141	97729	99370	101066	102815	104617	106471	108377	110335	112343	114403	116513	118672
B	5.502	5.530	5.557	5.583	5.609	5.634	5.658	5.681	5.704	5.726	5.746	5.767	5.786	5.805	5.823	5.840
-5.00 A	90968	92385	93857	95384	96966	98602	100292	102036	103832	105681	107581	109533	111536	113590	115694	117848
B	5.490	5.518	5.545	5.572	5.598	5.623	5.647	5.671	5.693	5.715	5.736	5.757	5.776	5.795	5.813	5.830
-4.75 A	90230	91641	93107	94629	96206	97837	99521	101259	103050	104893	106787	108734	110731	112779	114877	117025
B	5.478	5.507	5.534	5.561	5.587	5.612	5.636	5.660	5.683	5.705	5.726	5.747	5.766	5.785	5.803	5.821
-4.50 A	89493	90899	92360	93877	95448	97073	98752	100485	102270	104107	105996	107937	109928	111971	114063	116205
B	5.466	5.495	5.523	5.549	5.575	5.601	5.625	5.649	5.672	5.694	5.716	5.736	5.756	5.775	5.794	5.811
-4.25 A	88759	90159	91615	93126	94692	96312	97986	99713	101492	103324	105207	107142	109128	111165	113251	115387
B	5.455	5.483	5.511	5.538	5.564	5.590	5.614	5.638	5.662	5.684	5.706	5.726	5.746	5.766	5.784	5.802
-4.00 A	88027	89422	90872	92378	93939	95553	97221	98943	100717	102543	104421	106350	108330	110361	112442	114572
B	5.443	5.471	5.499	5.527	5.553	5.579	5.604	5.628	5.651	5.673	5.695	5.716	5.736	5.756	5.774	5.792
-3.75 A	87297	88686	90132	91632	93188	94797	96460	98175	99944	101764	103637	105560	107535	109560	111635	113759
B	5.431	5.460	5.488	5.515	5.542	5.568	5.593	5.617	5.640	5.663	5.685	5.706	5.726	5.746	5.765	5.783
-3.50 A	86569	87954	89394	90889	92439	94043	95700	97410	99173	100988	102855	104773	106742	108761	110830	112949
B	5.419	5.448	5.476	5.504	5.530	5.556	5.582	5.606	5.630	5.652	5.675	5.696	5.716	5.736	5.755	5.773
-3.25 A	85844	87223	88658	90148	91692	93291	94943	96647	98405	100214	102076	103988	105951	107964	110028	112141
B	5.407	5.436	5.465	5.492	5.519	5.545	5.571	5.595	5.619	5.642	5.664	5.686	5.706	5.726	5.745	5.764
-3.00 A	85121	86495	87924	89409	90948	92541	94188	95887	97639	99443	101299	103205	105163	107170	109228	111335
B	5.395	5.424	5.453	5.481	5.508	5.534	5.560	5.584	5.608	5.631	5.654	5.675	5.696	5.716	5.736	5.754
-2.75 A	84400	85769	87193	88672	90206	91794	93435	95129	96875	98674	100524	102425	104377	106379	108430	110532
B	5.383	5.413	5.441	5.469	5.496	5.523	5.548	5.573	5.597	5.621	5.643	5.665	5.686	5.706	5.726	5.745
-2.50 A	83681	85045	86464	87938	89467	91049	92685	94373	96114	97907	99752	101647	103593	105589	107635	109731
B	5.371	5.401	5.430	5.458	5.485	5.512	5.537	5.562	5.587	5.610	5.633	5.655	5.676	5.696	5.716	5.735
-2.25 A	82965	84323	85737	87206	88729	90306	91937	93620	95355	97143	98982	100871	102812	104802	106843	108932
B	5.359	5.389	5.418	5.446	5.474	5.500	5.526	5.551	5.576	5.599	5.622	5.644	5.666	5.686	5.706	5.725

TEMP DEG C	COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	382	384	386	388	390	392	394	396	398	400	402	404	406	408	410	412	
-2.00 A	82251	83604	85013	86476	87994	89566	91191	92869	94599	96381	98214	100098	102033	104018	106052	108136	
B	5.347	5.377	5.406	5.434	5.462	5.489	5.515	5.540	5.565	5.589	5.612	5.634	5.656	5.676	5.696	5.716	
-1.75 A	81539	82887	84291	85749	87262	88828	90447	92120	93844	95621	97449	99327	101257	103236	105265	107343	
B	5.335	5.365	5.394	5.423	5.451	5.478	5.504	5.529	5.554	5.578	5.601	5.624	5.645	5.666	5.686	5.706	
-1.50 A	80829	82172	83571	85024	86531	88092	89706	91373	93093	94864	96686	98559	100483	102456	104479	106551	
B	5.323	5.353	5.382	5.411	5.439	5.466	5.493	5.518	5.543	5.567	5.591	5.613	5.635	5.656	5.677	5.696	
-1.25 A	80122	81460	82853	84301	85803	87359	88968	90629	92343	94109	95925	97793	99711	101679	103696	105763	
B	5.311	5.341	5.371	5.400	5.428	5.455	5.482	5.507	5.532	5.557	5.580	5.603	5.625	5.646	5.667	5.686	
-1.00 A	79417	80750	82138	83581	85077	86628	88231	89888	91596	93356	95167	97029	98942	100904	102916	104976	
B	5.298	5.329	5.359	5.388	5.416	5.444	5.470	5.496	5.522	5.546	5.570	5.593	5.615	5.636	5.657	5.676	
-0.75 A	78715	80042	81425	82862	84354	85899	87497	89148	90851	92606	94412	96268	98175	100131	102137	104192	
B	5.286	5.317	5.347	5.376	5.405	5.432	5.459	5.485	5.511	5.535	5.559	5.582	5.604	5.626	5.647	5.667	
-0.50 A	78014	79337	80714	82147	83633	85173	86766	88411	90109	91858	93658	95509	97410	99361	101362	103411	
B	5.274	5.305	5.335	5.364	5.393	5.421	5.448	5.474	5.500	5.524	5.548	5.572	5.594	5.616	5.637	5.657	
-0.25 A	77316	78633	80006	81433	82914	84449	86037	87677	89369	91113	92907	94753	96648	98594	100588	102632	
B	5.262	5.293	5.323	5.353	5.381	5.409	5.437	5.463	5.489	5.514	5.538	5.561	5.584	5.606	5.627	5.647	
0.00 A	76620	77932	79300	80722	82198	83727	85310	86944	88631	90369	92159	93999	95889	97828	99817	101855	
B	5.250	5.281	5.311	5.341	5.370	5.398	5.425	5.452	5.478	5.503	5.527	5.551	5.573	5.595	5.617	5.637	
0.25 A	75927	77234	78596	80013	81484	83008	84585	86214	87896	89629	91413	93247	95131	97065	99049	101081	
B	5.237	5.269	5.299	5.329	5.358	5.386	5.414	5.441	5.467	5.492	5.516	5.540	5.563	5.585	5.607	5.627	
0.50 A	75235	76537	77895	79306	80772	82291	83863	85487	87163	88890	90669	92498	94377	96305	98283	100309	
B	5.225	5.256	5.287	5.317	5.346	5.375	5.402	5.429	5.455	5.481	5.506	5.529	5.552	5.575	5.596	5.617	
0.75 A	74546	75843	77196	78602	80062	81576	83143	84762	86432	88154	89927	91751	93624	95547	97519	99540	
B	5.213	5.244	5.275	5.305	5.335	5.363	5.391	5.418	5.444	5.470	5.495	5.519	5.542	5.565	5.586	5.607	
1.00 A	73860	75152	76499	77900	79355	80864	82425	84039	85704	87421	89188	91006	92874	94791	96758	98773	
B	5.200	5.232	5.263	5.293	5.323	5.352	5.380	5.407	5.433	5.459	5.484	5.508	5.532	5.554	5.576	5.597	
1.25 A	73175	74462	75804	77200	78651	80154	81710	83318	84978	86690	88452	90264	92127	94038	95999	98008	
B	5.188	5.220	5.251	5.281	5.311	5.340	5.368	5.396	5.422	5.448	5.473	5.497	5.521	5.544	5.566	5.587	
1.50 A	72493	73775	75112	76503	77948	79446	80997	82600	84255	85961	87718	89525	91381	93287	95243	97246	
B	5.176	5.208	5.239	5.270	5.299	5.328	5.357	5.384	5.411	5.437	5.462	5.487	5.511	5.534	5.556	5.577	
1.75 A	71813	73090	74422	75808	77248	78741	80287	81885	83534	85235	86986	88787	90639	92539	94489	96487	
B	5.163	5.195	5.227	5.258	5.288	5.317	5.345	5.373	5.400	5.426	5.451	5.476	5.500	5.523	5.546	5.567	

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C												F=1/(A+DP*B) CUBIC METRE			
		382	384	386	388	390	392	394	396	398	400	402	404	406	408	410	412
2.00	A	71136	72408	73735	75116	76550	78038	79579	81171	82815	84511	86256	88053	89898	91793	93737	95729
	B	5.151	5.183	5.215	5.246	5.276	5.305	5.334	5.362	5.389	5.415	5.441	5.465	5.489	5.513	5.535	5.557
2.25	A	70460	71727	73049	74425	75855	77338	78873	80460	82099	83789	85529	87320	89160	91050	92988	94975
	B	5.138	5.171	5.203	5.234	5.264	5.293	5.322	5.350	5.377	5.404	5.430	5.455	5.479	5.502	5.525	5.547
2.50	A	69787	71050	72366	73737	75162	76639	78170	79752	81385	83070	84805	86590	88425	90309	92241	94222
	B	5.126	5.158	5.190	5.222	5.252	5.282	5.311	5.339	5.366	5.393	5.419	5.444	5.468	5.492	5.515	5.537
2.75	A	69117	70374	71686	73052	74471	75944	77469	79045	80674	82353	84083	85863	87692	89570	91497	93473
	B	5.113	5.146	5.178	5.209	5.240	5.270	5.299	5.327	5.355	5.382	5.408	5.433	5.458	5.481	5.504	5.527
3.00	A	68449	69701	71008	72368	73783	75250	76770	78342	79965	81639	83363	85137	86961	88834	90756	92725
	B	5.101	5.134	5.166	5.197	5.228	5.258	5.287	5.316	5.344	5.370	5.397	5.422	5.447	5.471	5.494	5.517
3.25	A	67783	69030	70332	71688	73097	74559	76074	77640	79258	80927	82646	84415	86233	88100	90016	91980
	B	5.088	5.121	5.154	5.185	5.216	5.246	5.276	5.304	5.332	5.359	5.386	5.411	5.436	5.460	5.484	5.506
3.50	A	67119	68361	69658	71009	72413	73870	75380	76941	78554	80217	81931	83694	85507	87369	89280	91238
	B	5.075	5.109	5.141	5.173	5.204	5.234	5.264	5.293	5.321	5.348	5.375	5.400	5.425	5.450	5.473	5.496
3.75	A	66457	67695	68987	70333	71732	73184	74688	76244	77852	79510	81218	82976	84784	86640	88545	90498
	B	5.063	5.096	5.129	5.161	5.192	5.223	5.252	5.281	5.309	5.337	5.364	5.390	5.415	5.439	5.463	5.486
4.00	A	65798	67031	68318	69659	71053	72500	73999	75550	77152	78805	80508	82261	84063	85914	87813	89761
	B	5.050	5.084	5.117	5.149	5.180	5.211	5.241	5.270	5.298	5.326	5.353	5.379	5.404	5.429	5.452	5.476
4.25	A	65142	66369	67651	68987	70376	71818	73313	74858	76455	78103	79801	81548	83345	85190	87084	89026
	B	5.038	5.071	5.104	5.137	5.168	5.199	5.229	5.258	5.287	5.314	5.341	5.368	5.393	5.418	5.442	5.465
4.50	A	64487	65710	66987	68318	69702	71139	72628	74169	75761	77403	79095	80837	82629	84469	86357	88293
	B	5.025	5.059	5.092	5.124	5.156	5.187	5.217	5.246	5.275	5.303	5.330	5.357	5.382	5.407	5.431	5.455
4.75	A	63835	65053	66325	67651	69030	70462	71946	73482	75068	76705	78392	80129	81915	83750	85632	87563
	B	5.012	5.046	5.080	5.112	5.144	5.175	5.205	5.235	5.264	5.292	5.319	5.346	5.372	5.397	5.421	5.445
5.00	A	63185	64398	65666	66987	68361	69788	71267	72797	74378	76010	77692	79424	81204	83033	84910	86835
	B	4.999	5.034	5.067	5.100	5.132	5.163	5.193	5.223	5.252	5.280	5.308	5.335	5.361	5.386	5.410	5.434
5.25	A	62538	63746	65009	66325	67694	69116	70590	72115	73691	75318	76994	78720	80495	82319	84191	86110
	B	4.987	5.021	5.055	5.087	5.120	5.151	5.182	5.212	5.241	5.269	5.297	5.324	5.350	5.375	5.400	5.424
5.50	A	61893	63096	64354	65665	67029	68446	69915	71435	73006	74627	76299	78019	79789	81607	83474	85387
	B	4.974	5.008	5.042	5.075	5.107	5.139	5.170	5.200	5.229	5.258	5.285	5.313	5.339	5.364	5.389	5.413
5.75	A	61250	62449	63701	65008	66367	67779	69242	70757	72323	73940	75606	77321	79085	80898	82759	84667
	B	4.961	4.996	5.030	5.063	5.095	5.127	5.158	5.188	5.218	5.246	5.274	5.301	5.328	5.354	5.379	5.403

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C										F=1/(A+DP*B) CUBIC METRE	
	382	384	386	388	390	392	394	396	398	400	402	
6.00 A	60609	61803	63051	64353	65707	67114	68572	70082	71643	73254	74915	
6.00 B	4.948	4.983	5.017	5.050	5.083	5.115	5.146	5.176	5.206	5.235	5.263	
6.25 A	59971	61160	62403	63700	65049	66451	67905	69410	70965	72571	74227	
6.25 B	4.935	4.970	5.005	5.038	5.071	5.103	5.134	5.165	5.194	5.223	5.252	
6.50 A	59335	60520	61758	63050	64394	65791	67240	68739	70290	71891	73541	
6.50 B	4.922	4.958	4.992	5.026	5.058	5.091	5.122	5.153	5.183	5.212	5.240	
6.75 A	58702	59882	61115	62402	63741	65133	66577	68072	69617	71213	72858	
6.75 B	4.910	4.945	4.979	5.013	5.046	5.078	5.110	5.141	5.171	5.200	5.229	
7.00 A	58071	59246	60474	61756	63091	64478	65917	67406	68947	70537	72177	
7.00 B	4.897	4.932	4.967	5.001	5.034	5.066	5.098	5.129	5.159	5.189	5.218	
7.25 A	57442	58612	59836	61113	62443	63825	65259	66743	68279	69864	71499	
7.25 B	4.884	4.919	4.954	4.988	5.021	5.054	5.086	5.117	5.148	5.177	5.206	
7.50 A	56816	57981	59200	60472	61797	63174	64603	66083	67613	69193	70823	
7.50 B	4.871	4.906	4.941	4.976	5.009	5.042	5.074	5.105	5.136	5.166	5.195	
7.75 A	56192	57352	58566	59834	61154	62526	63950	65425	66950	68525	70149	
7.75 B	4.858	4.894	4.929	4.963	4.997	5.030	5.062	5.093	5.124	5.154	5.183	
8.00 A	55570	56726	57935	59198	60513	61881	63299	64769	66289	67859	69478	
8.00 B	4.845	4.881	4.916	4.950	4.984	5.017	5.050	5.081	5.112	5.142	5.172	
8.25 A	54950	56102	57306	58564	59875	61237	62651	64116	65631	67195	68809	
8.25 B	4.832	4.868	4.903	4.938	4.972	5.005	5.038	5.069	5.100	5.131	5.160	
8.50 A	54333	55480	56680	57933	59239	60596	62005	63465	64975	66534	68143	
8.50 B	4.818	4.855	4.890	4.925	4.959	4.993	5.025	5.057	5.089	5.119	5.149	
8.75 A	53719	54861	56056	57304	58605	59958	61362	62816	64321	65876	67480	
8.75 B	4.805	4.842	4.878	4.913	4.947	4.980	5.013	5.045	5.077	5.107	5.137	
9.00 A	53106	54244	55434	56678	57974	59322	60721	62170	63670	65220	66818	
9.00 B	4.792	4.829	4.865	4.900	4.934	4.968	5.001	5.033	5.065	5.096	5.126	
9.25 A	52497	53629	54815	56054	57345	58688	60082	61527	63022	64566	66160	
9.25 B	4.779	4.816	4.852	4.887	4.922	4.956	4.989	5.021	5.053	5.084	5.114	
9.50 A	51889	53017	54198	55432	56719	58057	59446	60886	62376	63915	65503	
9.50 B	4.766	4.803	4.839	4.875	4.909	4.943	4.977	5.009	5.041			

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C										F=1/(A+DP*B) CUBIC METRE						
	382	384	386	388	390	392	394	396	398	400	402	404	406	408	410	412	
10.00	A	50681	51799	52971	54196	55473	56801	58181	59611	61091	62620	64198	65825	67499	69221	70990	72806
	B	4.739	4.777	4.813	4.849	4.884	4.918	4.952	4.985	5.017	5.048	5.079	5.109	5.138	5.167	5.194	5.221
10.25	A	50080	51194	52362	53582	54854	56177	57552	58977	60452	61976	63550	65171	66840	68557	70320	72130
	B	4.726	4.764	4.800	4.836	4.871	4.906	4.940	4.973	5.005	5.037	5.067	5.097	5.127	5.155	5.183	5.211
10.50	A	49482	50592	51754	52970	54237	55556	56926	58346	59816	61335	62903	64519	66184	67895	69653	71458
	B	4.713	4.750	4.787	4.823	4.859	4.893	4.927	4.960	4.993	5.025	5.056	5.086	5.115	5.144	5.172	5.200
10.75	A	48886	49991	51149	52360	53623	54937	56302	57717	59182	60696	62259	63870	65529	67236	68988	70788
	B	4.700	4.737	4.774	4.811	4.846	4.881	4.915	4.948	4.981	5.013	5.044	5.074	5.104	5.133	5.161	5.189
11.00	A	48293	49393	50547	51753	53011	54320	55680	57091	58551	60060	61618	63224	64878	66579	68326	70120
	B	4.686	4.724	4.761	4.798	4.833	4.868	4.902	4.936	4.969	5.001	5.032	5.063	5.093	5.122	5.150	5.178
11.25	A	47702	48798	49947	51148	52401	53706	55061	56467	57922	59426	60979	62580	64228	65924	67666	69455
	B	4.673	4.711	4.748	4.785	4.821	4.856	4.890	4.924	4.957	4.989	5.020	5.051	5.081	5.110	5.139	5.167
11.50	A	47113	48205	49349	50546	51794	53094	54444	55845	57295	58795	60343	61938	63582	65272	67009	68792
	B	4.660	4.698	4.735	4.772	4.808	4.843	4.878	4.911	4.945	4.977	5.008	5.039	5.070	5.099	5.128	5.156
11.75	A	46527	47614	48753	49946	51189	52485	53830	55226	56671	58166	59709	61299	62938	64623	66355	68132
	B	4.646	4.684	4.722	4.759	4.795	4.830	4.865	4.899	4.932	4.965	4.997	5.028	5.058	5.088	5.117	5.145
12.00	A	45943	47025	48161	49348	50587	51878	53219	54609	56050	57539	59077	60663	62296	63976	65702	67475
	B	4.633	4.671	4.709	4.746	4.782	4.818	4.853	4.887	4.920	4.953	4.985	5.016	5.047	5.076	5.105	5.134
12.25	A	45362	46439	47570	48753	49987	51273	52609	53995	55431	56915	58448	60029	61657	63332	65053	66820
	B	4.619	4.658	4.696	4.733	4.769	4.805	4.840	4.874	4.908	4.941	4.973	5.004	5.035	5.065	5.094	5.123
12.50	A	44783	45856	46982	48160	49390	50671	52002	53384	54814	56294	57822	59397	61020	62690	64406	66167
	B	4.606	4.645	4.683	4.720	4.757	4.792	4.828	4.862	4.896	4.929	4.961	4.993	5.023	5.053	5.083	5.111
12.75	A	44206	45275	46396	47570	48795	50071	51398	52775	54200	55675	57198	58768	60386	62050	63761	65518
	B	4.592	4.631	4.669	4.707	4.744	4.780	4.815	4.850	4.883	4.917	4.949	4.981	5.012	5.042	5.072	5.100
13.00	A	43632	44696	45813	46982	48203	49474	50796	52168	53589	55058	56576	58142	59754	61414	63119	64870
	B	4.579	4.618	4.656	4.694	4.731	4.767	4.802	4.837	4.871	4.904	4.937	4.969	5.000	5.030	5.060	5.089
13.25	A	43060	44120	45232	46396	47612	48879	50197	51564	52980	54444	55957	57518	59125	60779	62480	64225
	B	4.565	4.604	4.643	4.681	4.718	4.754	4.790	4.825	4.859	4.892	4.925	4.957	4.988	5.019	5.049	5.078
13.50	A	42490	43546	44653	45813	47025	48287	49600	50962	52373	53833	55341	56896	58499	60148	61843	63583
	B	4.552	4.591	4.630	4.668	4.705	4.741	4.777	4.812	4.847	4.880	4.913	4.945	4.977	5.007	5.037	5.067
13.75	A	41923	42974	44077	45233	46440	47697	49005	50363	51769	53224	54727	56277	57875	59518	61208	62944
	B	4.538	4.578	4.616	4.654	4.692	4.728	4.764	4.800	4.834	4.868	4.901	4.933	4.965	4.996	5.026	5.056

TEMP DEG C	COMPRESSION FACTOR FOR KEROSENE DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															
	382	384	386	388	390	392	394	396	398	400	402	404	406	408	410	412
18.00 A	32651	33628	34657	35737	36868	38048	39277	40555	41881	43255	44675	46142	47654	49212	50814	52461
18.00 B	4.303	4.345	4.387	4.427	4.467	4.507	4.545	4.583	4.620	4.657	4.693	4.728	4.762	4.796	4.829	4.861
18.25 A	32127	33100	34125	35201	36327	37503	38728	40001	41322	42691	44107	45568	47076	48628	50226	51867
18.25 B	4.289	4.331	4.373	4.414	4.454	4.493	4.532	4.570	4.608	4.644	4.680	4.715	4.750	4.784	4.817	4.849
18.50 A	31606	32575	33596	34667	35789	36960	38180	39449	40766	42130	43541	44998	46500	48048	49640	51277
18.50 B	4.275	4.317	4.359	4.400	4.440	4.480	4.519	4.557	4.595	4.631	4.668	4.703	4.738	4.772	4.805	4.837
18.75 A	31087	32052	33068	34135	35253	36420	37636	38900	40212	41571	42977	44429	45927	47470	49057	50688
18.75 B	4.261	4.304	4.345	4.387	4.427	4.467	4.506	4.544	4.582	4.619	4.655	4.691	4.725	4.760	4.793	4.826
19.00 A	30571	31532	32544	33606	34719	35882	37093	38353	39661	41015	42416	43864	45356	46894	48476	50103
19.00 B	4.247	4.290	4.332	4.373	4.414	4.453	4.493	4.531	4.569	4.606	4.642	4.678	4.713	4.747	4.781	4.814
19.25 A	30057	31014	32021	33080	34189	35347	36554	37809	39112	40462	41858	43301	44788	46321	47898	49520
19.25 B	4.233	4.276	4.318	4.359	4.400	4.440	4.479	4.518	4.556	4.593	4.630	4.666	4.701	4.735	4.769	4.802
19.50 A	29546	30498	31502	32556	33660	34814	36016	37267	38565	39911	41302	42740	44223	45751	47323	48939
19.50 B	4.219	4.262	4.304	4.346	4.386	4.427	4.466	4.505	4.543	4.581	4.617	4.653	4.689	4.723	4.757	4.790
19.75 A	29037	29985	30984	32034	33134	34284	35482	36728	38022	39362	40749	42182	43660	45183	46750	48361
19.75 B	4.204	4.248	4.290	4.332	4.373	4.413	4.453	4.492	4.530	4.568	4.605	4.641	4.676	4.711	4.745	4.779
20.00 A	28531	29474	30470	31515	32611	33756	34949	36191	37480	38816	40199	41627	43100	44618	46180	47786
20.00 B	4.190	4.233	4.276	4.318	4.359	4.400	4.440	4.479	4.517	4.555	4.592	4.628	4.664	4.699	4.733	4.767
20.25 A	28026	28966	29957	30999	32090	33231	34420	35657	36942	38273	39650	41074	42542	44055	45613	47213
20.25 B	4.176	4.219	4.262	4.304	4.346	4.386	4.426	4.466	4.504	4.542	4.579	4.616	4.652	4.687	4.721	4.755
20.50 A	27525	28461	29447	30485	31572	32708	33893	35125	36405	37732	39105	40524	41987	43495	45048	46643
20.50 B	4.162	4.205	4.248	4.290	4.332	4.373	4.413	4.452	4.491	4.529	4.567	4.603	4.639	4.675	4.709	4.743
20.75 A	27026	27957	28940	29973	31056	32188	33368	34596	35872	37194	38562	39976	41435	42938	44485	46076
20.75 B	4.147	4.191	4.234	4.277	4.318	4.359	4.400	4.439	4.478	4.516	4.554	4.591	4.627	4.662	4.697	4.731
21.00 A	26529	27457	28435	29464	30542	31670	32846	34070	35341	36658	38022	39431	40885	42383	43925	45511
21.00 B	4.133	4.177	4.220	4.263	4.305	4.346	4.386	4.426	4.465	4.503	4.541	4.578	4.614	4.650	4.685	4.719
21.25 A	26035	26958	27933	28957	30032	31155	32326	33546	34812	36125	37484	38888	40337	41831	43368	44949
21.25 B	4.119	4.163	4.206	4.249	4.291	4.332	4.373	4.413	4.452	4.491	4.528	4.566	4.602	4.638	4.673	4.707
21.50 A	25543	26462	27433	28453	29523	30642	31809	33024	34286	35594	36949	38348	39793	41281	42814	44389
21.50 B	4.104	4.149	4.192	4.235	4.277	4.319	4.359	4.400	4.439	4.478	4.516	4.553	4.590	4.625	4.661	4.695
21.75 A	25054	25969	26935	27952	29017	30132	31295	32505	33763	35066	36416	37811	39251	40734	42262	43832
21.75 B	4.090	4.134	4.178	4.221	4.263	4.305	4.346	4.386	4.426	4.465	4.503	4.540	4.577	4.613	4.648	4.683

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C												F=1/(A+DP*B) CUBIC METRE			
		382	384	386	388	390	392	394	396	398	400	402	404	406	408	410	412
22.00	A	24567	25478	26440	27452	28514	29624	30783	31989	33242	34541	35886	37276	38711	40190	41712	43278
	B	4.076	4.120	4.164	4.207	4.250	4.291	4.332	4.373	4.413	4.452	4.490	4.528	4.564	4.601	4.636	4.671
22.25	A	24083	24990	25948	26956	28013	29119	30273	31475	32723	34018	35359	36744	38174	39648	41166	42726
	B	4.061	4.106	4.150	4.193	4.236	4.278	4.319	4.360	4.399	4.439	4.477	4.515	4.552	4.588	4.624	4.659
22.50	A	23601	24504	25458	26462	27515	28617	29767	30964	32208	33498	34834	36214	37640	39109	40621	42177
	B	4.047	4.092	4.136	4.179	4.222	4.264	4.305	4.346	4.386	4.426	4.464	4.502	4.539	4.576	4.612	4.647
22.75	A	23121	24021	24970	25970	27019	28117	29262	30455	31695	32980	34311	35687	37108	38572	40080	41631
	B	4.032	4.077	4.122	4.165	4.208	4.250	4.292	4.333	4.373	4.412	4.451	4.489	4.527	4.563	4.600	4.635
23.00	A	22644	23540	24486	25481	26526	27619	28760	29949	31184	32465	33792	35163	36579	38038	39541	41087
	B	4.018	4.063	4.107	4.151	4.194	4.237	4.278	4.319	4.360	4.399	4.438	4.477	4.514	4.551	4.587	4.623
23.25	A	22170	23061	24003	24995	26035	27124	28261	29445	30676	31952	33274	34641	36052	37507	39005	40545
	B	4.003	4.049	4.093	4.137	4.180	4.223	4.265	4.306	4.346	4.386	4.425	4.464	4.501	4.539	4.575	4.611
23.50	A	21698	22585	23523	24511	25547	26632	27764	28944	30170	31442	32760	34122	35528	36978	38471	40007
	B	3.989	4.034	4.079	4.123	4.166	4.209	4.251	4.292	4.333	4.373	4.412	4.451	4.489	4.526	4.563	4.598
23.75	A	21229	22112	23046	24029	25061	26142	27270	28446	29667	30935	32248	33605	35007	36452	37940	39471
	B	3.974	4.020	4.065	4.109	4.152	4.195	4.237	4.279	4.320	4.360	4.399	4.438	4.476	4.513	4.550	4.586
24.00	A	20762	21641	22571	23550	24578	25655	26779	27950	29167	30430	31738	33091	34488	35929	37412	38938
	B	3.959	4.005	4.050	4.095	4.138	4.181	4.224	4.265	4.306	4.347	4.386	4.425	4.463	4.501	4.538	4.574
24.25	A	20297	21173	22098	23074	24098	25170	26290	27456	28669	29928	31232	32580	33972	35408	36886	38407
	B	3.945	3.991	4.036	4.081	4.124	4.168	4.210	4.252	4.293	4.333	4.373	4.412	4.451	4.488	4.525	4.562
24.50	A	19835	20707	21628	22600	23620	24688	25803	26966	28174	29428	30728	32071	33459	34889	36363	37879
	B	3.930	3.976	4.022	4.066	4.110	4.154	4.196	4.238	4.280	4.320	4.360	4.399	4.438	4.476	4.513	4.549
24.75	A	19375	20243	21161	22128	23144	24208	25319	26477	27682	28931	30226	31565	32948	34374	35843	37354
	B	3.916	3.962	4.007	4.052	4.096	4.140	4.183	4.225	4.266	4.307	4.347	4.386	4.425	4.463	4.500	4.537
25.00	A	18918	19782	20696	21659	22671	23731	24838	25992	27192	28437	29727	31061	32440	33861	35325	36831
	B	3.901	3.947	3.993	4.038	4.082	4.126	4.169	4.211	4.253	4.294	4.334	4.373	4.412	4.450	4.488	4.525
25.25	A	18464	19324	20234	21193	22201	23256	24359	25509	26704	27945	29231	30560	31934	33350	34810	36311
	B	3.886	3.933	3.978	4.024	4.068	4.112	4.155	4.197	4.239	4.280	4.321	4.360	4.399	4.438	4.475	4.512
25.50	A	18012	18868	19774	20729	21733	22784	23883	25028	26219	27456	28737	30062	31431	32843	34297	35793
	B	3.871	3.918	3.964	4.009	4.054	4.098	4.141	4.184	4.226	4.267	4.307	4.347	4.387	4.425	4.463	4.500
25.75	A	18415	19317	20268	21267	22315	23409	24550	25737	26969	28246	29566	30931	32338	33787	35278	36807
	B	3.903	3.950	3.995	4.040	4.084	4.127	4.170	4.212	4.254	4.294	4.334	4.374	4.412	4.450	4.488	4.525

TEMP DEG C	COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+B*P) CUBIC METRE					
	382	384	386	388	390	392	394	396	398	400	402	404	406	408	410	412
26.00 A	17964	18862	19809	20805	21848	22938	24075	25257	26485	27757	29073	30433	31835	33280	34766	
	3.889	3.935	3.981	4.026	4.070	4.113	4.156	4.199	4.240	4.281	4.321	4.361	4.400	4.438	4.475	
26.25 A	18409	19353	20344	21383	22470	23602	24780	26003	27271	28583	29938	31335	32775	34257	35790	
	3.921	3.966	4.011	4.056	4.100	4.143	4.185	4.227	4.268	4.308	4.348	4.387	4.425	4.463	4.501	
26.50 A	17960	18899	19887	20922	22004	23132	24306	25525	26788	28095	29445	30838	32273	33750	35270	
	3.906	3.952	3.997	4.042	4.086	4.129	4.171	4.213	4.254	4.295	4.335	4.374	4.412	4.450	4.488	
26.75 A	18448	19431	20462	21540	22664	23834	25048	26307	27610	28955	30344	31774	33246	34766	36330	
	3.938	3.983	4.028	4.072	4.115	4.158	4.200	4.241	4.282	4.322	4.361	4.400	4.438	4.476	4.514	
27.00 A	17999	18979	20006	21080	22199	23365	24575	25829	27127	28468	29852	31277	32744	34257	35815	
	3.923	3.969	4.014	4.058	4.101	4.144	4.186	4.228	4.269	4.309	4.348	4.387	4.425	4.463	4.501	
27.25 A	17553	18529	19552	20621	21737	22898	24104	25354	26647	27984	29363	30783	32246	33750	35299	
	3.909	3.954	3.999	4.044	4.087	4.130	4.173	4.214	4.255	4.296	4.335	4.374	4.413	4.451	4.490	
27.50 A	18081	19100	20166	21277	22434	23635	24881	26170	27502	28876	30292	31749	33246	34786	36369	
	3.940	3.985	4.030	4.074	4.117	4.159	4.201	4.242	4.283	4.322	4.362	4.400	4.438	4.476	4.514	
27.75 A	17636	18651	19713	20820	21972	23170	24411	25695	27022	28392	29803	31256	32744	34257	35815	
	3.926	3.971	4.016	4.060	4.103	4.146	4.188	4.229	4.270	4.310	4.349	4.387	4.425	4.463	4.501	
28.00 A	18205	19262	20365	21514	22706	23943	25223	26546	27911	29317	30765	32246	33750	35299	36893	
	3.957	4.002	4.046	4.089	4.132	4.174	4.216	4.256	4.297	4.336	4.375	4.413	4.451	4.490	4.528	
28.25 A	17761	18814	19913	21057	22246	23478	24754	26072	27432	28834	30277	31749	33246	34786	36369	
	3.943	3.988	4.032	4.075	4.118	4.161	4.202	4.243	4.284	4.323	4.362	4.400	4.438	4.476	4.514	
28.50 A	18369	19464	20604	21788	23016	24287	25601	26956	28353	29792	31277	32792	34346	35930	37544	
	3.973	4.018	4.062	4.105	4.147	4.189	4.230	4.271	4.310	4.349	4.387	4.425	4.463	4.501	4.539	
28.75 A	17926	19017	20153	21333	22556	23823	25132	26483	27875	29309	30786	32300	33850	35436	37058	
	3.959	4.004	4.048	4.091	4.134	4.176	4.217	4.258	4.298	4.337	4.375	4.413	4.451	4.490	4.528	
29.00 A	18573	19704	20880	22099	23361	24666	26012	27400	28829	30299	31800	33340	34919	36538	38197	
	3.990	4.034	4.077	4.120	4.162	4.204	4.245	4.285	4.324	4.362	4.400	4.438	4.476	4.514	4.552	
29.25 A	18131	19258	20430	21645	22902	24202	25544	26927	28351	29819	31330	32883	34478	36115	37796	
	3.976	4.020	4.064	4.107	4.149	4.191	4.231	4.272	4.311	4.350	4.387	4.425	4.463	4.501	4.539	
29.50 A	17692	18815	19982	21193	22446	23742	25079	26457	27876	29336	30837	32379	33963	35589	37257	
	3.962	4.006	4.050	4.093	4.136	4.177	4.218	4.259	4.299	4.337	4.375	4.413	4.451	4.490	4.528	
29.75 A	18375	19538	20744	21993	23284	24616	25990	27416	28886	30399	31955	33554	35198	36888	38624	
	3.992	4.036	4.079	4.122	4.164	4.205	4.246	4.286	4.325	4.364	4.403	4.442	4.481	4.520	4.559	

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C				F=1/(A+DP*B) CUBIC METRE
	382	384	386	388	
30.00 A					
30.25 A					
30.50 A					
30.75 A					
31.00 A					
31.25 A					
31.50 A					
31.75 A					
32.00 A					
32.25 A					
32.50 A					
32.75 A					
33.00 A					
33.25 A					
33.50 A					
33.75 A					

TEMP DEG C	DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE	
34.00 A	382	412
B	384	19793
	386	4.064
	388	
	390	
	392	
	394	
	396	
	398	
	400	
	402	
	404	
	406	
	408	
	410	
		19370
34.25 A		4.051
B		

NOTE: FOR 382.0 TO 412.0 HIGHER TEMPERATURES ARE ABOVE THE NEAR CRITICAL LIMIT

TEMP DEG C	COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444	
-46.00 A	286730	290061	293447	296885	300377	303921	307519	311169	314871	318626	322432	326291	330201	334163	338176	342241	
-46.00 B	7.035	7.023	7.011	6.998	6.984	6.969	6.953	6.936	6.918	6.900	6.880	6.860	6.838	6.816	6.793	6.769	
-45.75 A	285537	288862	292240	295671	299156	302693	306283	309926	313621	317368	321168	325019	328922	332876	336882	340940	
-45.75 B	7.029	7.018	7.006	6.993	6.979	6.964	6.949	6.932	6.915	6.896	6.877	6.856	6.835	6.813	6.790	6.766	
-45.50 A	284347	287664	291035	294459	297937	301467	305050	308685	312373	316113	319905	323749	327645	331592	335591	339641	
-45.50 B	7.024	7.013	7.001	6.988	6.975	6.960	6.944	6.928	6.911	6.892	6.873	6.853	6.832	6.810	6.787	6.764	
-45.25 A	283159	286469	289833	293250	296720	300243	303819	307447	311127	314860	318645	322482	326370	330310	334301	338344	
-45.25 B	7.019	7.008	6.996	6.984	6.970	6.956	6.940	6.924	6.907	6.889	6.870	6.850	6.829	6.807	6.784	6.761	
-45.00 A	281973	285276	288632	292042	295505	299021	302589	306210	309884	313609	317387	321216	325097	329030	333014	337049	
-45.00 B	7.014	7.003	6.991	6.979	6.965	6.951	6.936	6.920	6.903	6.885	6.866	6.846	6.825	6.804	6.781	6.758	
-44.75 A	280788	284084	287434	290836	294292	297801	301362	304976	308642	312360	316131	319953	323826	327752	331728	335756	
-44.75 B	7.008	6.998	6.986	6.974	6.961	6.946	6.931	6.915	6.899	6.881	6.862	6.843	6.822	6.801	6.778	6.755	
-44.50 A	279606	282895	286237	289633	293082	296583	300137	303744	307403	311114	314877	318691	322558	326476	330445	334466	
-44.50 B	7.003	6.992	6.981	6.969	6.956	6.942	6.927	6.911	6.895	6.877	6.859	6.839	6.819	6.798	6.775	6.752	
-44.25 A	278426	281708	285043	288431	291873	295367	298914	302514	306165	309869	313625	317432	321292	325202	329164	333178	
-44.25 B	6.997	6.987	6.976	6.964	6.951	6.937	6.923	6.907	6.891	6.873	6.855	6.836	6.815	6.794	6.772	6.750	
-44.00 A	277248	280523	283851	287232	290666	294153	297693	301285	304930	308627	312375	316175	320027	323931	327885	331891	
-44.00 B	6.992	6.982	6.971	6.959	6.946	6.933	6.918	6.903	6.886	6.869	6.851	6.832	6.812	6.791	6.769	6.747	
-43.75 A	276072	279340	282661	286035	289462	292942	296474	300060	303697	307386	311127	314920	318765	322661	326609	330607	
-43.75 B	6.987	6.977	6.966	6.954	6.942	6.928	6.914	6.899	6.882	6.865	6.847	6.828	6.809	6.788	6.766	6.744	
-43.50 A	274899	278159	281473	284840	288260	291732	295258	298836	302466	306148	309882	313668	317505	321394	325334	329326	
-43.50 B	6.981	6.971	6.961	6.949	6.937	6.924	6.909	6.894	6.878	6.861	6.844	6.825	6.805	6.785	6.763	6.741	
-43.25 A	273727	276980	280287	283646	287059	290525	294043	297614	301237	304912	308639	312417	316247	320129	324062	328046	
-43.25 B	6.976	6.966	6.956	6.944	6.932	6.919	6.905	6.890	6.874	6.857	6.840	6.821	6.802	6.781	6.760	6.738	
-43.00 A	272557	275803	279103	282455	285861	289320	292831	296394	300010	303678	307397	311169	314992	318866	322791	326768	
-43.00 B	6.970	6.961	6.950	6.939	6.927	6.914	6.900	6.886	6.870	6.853	6.836	6.817	6.798	6.778	6.757	6.735	
-42.75 A	271399	274628	277921	281266	284665	288116	291620	295177	298785	302446	306158	309922	313738	317605	321523	325493	
-42.75 B	6.964	6.955	6.945	6.934	6.922	6.909	6.896	6.881	6.866	6.849	6.832	6.814	6.795	6.775	6.754	6.732	
-42.50 A	270224	273456	276741	280079	283471	286915	290412	293961	297563	301216	304921	308678	312486	316346	320257	324219	
-42.50 B	6.959	6.950	6.940	6.929	6.917	6.905	6.891	6.877	6.861	6.845	6.828	6.810	6.791	6.771	6.751	6.729	
-42.25 A	269060	272285	275563	278895	282279	285716	289206	292748	296342	299988	303686	307436	311237	315090	318993	322948	
-42.25 B	6.953	6.944	6.935	6.924	6.912	6.900	6.887	6.872	6.857	6.841	6.824	6.806	6.788	6.768	6.747	6.726	

TEMP DEG C	414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444
-42.00 A	267899	271116	274388	277712	281089	284519	288002	291537	295124	298763	302454	306196	309990	313835	317732	321679
-42.00 B	6.948	6.939	6.929	6.919	6.907	6.895	6.882	6.868	6.853	6.837	6.820	6.803	6.784	6.765	6.744	6.723
-41.75 A	266739	269950	273214	276531	279902	283325	286800	290328	293908	297539	301223	304958	308745	312583	316472	320412
-41.75 B	6.942	6.934	6.924	6.914	6.903	6.890	6.877	6.863	6.849	6.833	6.816	6.799	6.780	6.761	6.741	6.720
-41.50 A	265582	268786	272043	275353	278716	282132	285600	289121	292693	296318	299994	303723	307502	311333	315215	319148
-41.50 B	6.936	6.928	6.919	6.909	6.897	6.886	6.873	6.859	6.844	6.829	6.812	6.795	6.777	6.758	6.738	6.717
-41.25 A	264427	267623	270873	274177	277533	280941	284402	287916	291481	295099	298768	302489	306261	310085	313960	317885
-41.25 B	6.931	6.922	6.913	6.903	6.892	6.881	6.868	6.854	6.840	6.825	6.808	6.791	6.773	6.754	6.734	6.714
-41.00 A	263274	266463	269706	273002	276351	279753	283207	286713	290272	293882	297544	301258	305023	308839	312706	316625
-41.00 B	6.925	6.917	6.908	6.898	6.887	6.876	6.863	6.850	6.836	6.820	6.804	6.787	6.769	6.751	6.731	6.710
-40.75 A	262123	265305	268541	271830	275172	278566	282013	285513	289064	292667	296322	300028	303786	307595	311456	315367
-40.75 B	6.919	6.911	6.903	6.893	6.882	6.871	6.859	6.845	6.831	6.816	6.800	6.783	6.766	6.747	6.728	6.707
-40.50 A	260974	264149	267378	270660	273995	277382	280822	284314	287858	291454	295102	298801	302552	306354	310207	314111
-40.50 B	6.913	6.906	6.897	6.888	6.877	6.866	6.854	6.841	6.827	6.812	6.796	6.780	6.762	6.744	6.724	6.704
-40.25 A	259827	262995	266217	269492	272820	276200	279633	283118	286655	290244	293884	297576	301320	305114	308960	312857
-40.25 B	6.908	6.900	6.892	6.882	6.872	6.861	6.849	6.836	6.822	6.808	6.792	6.776	6.758	6.740	6.721	6.701
-40.00 A	258682	261843	265058	268326	271647	275020	278446	281924	285454	289035	292669	296354	300090	303877	307716	311605
-40.00 B	6.902	6.894	6.886	6.877	6.867	6.856	6.844	6.831	6.818	6.803	6.788	6.772	6.754	6.736	6.717	6.698
-39.75 A	257539	260694	263901	267162	270476	273842	277261	280732	284254	287829	291455	295133	298862	302642	306474	310356
-39.75 B	6.896	6.889	6.881	6.872	6.862	6.851	6.839	6.827	6.813	6.799	6.784	6.768	6.751	6.733	6.714	6.694
-39.50 A	256399	259546	262747	266001	269307	272666	276078	279542	283057	286625	290244	293915	297636	301409	305233	309108
-39.50 B	6.890	6.883	6.875	6.866	6.857	6.846	6.834	6.822	6.809	6.795	6.780	6.764	6.747	6.729	6.710	6.691
-39.25 A	255260	258401	261594	264841	268141	271493	274897	278354	281863	285423	289035	292698	296413	300179	303996	307863
-39.25 B	6.884	6.877	6.870	6.861	6.851	6.841	6.830	6.817	6.804	6.790	6.775	6.760	6.743	6.725	6.707	6.688
-39.00 A	254124	257257	260444	263684	266976	270321	273719	277168	280670	284223	287828	291484	295192	298950	302760	306620
-39.00 B	6.878	6.872	6.864	6.856	6.846	6.836	6.825	6.813	6.800	6.786	6.771	6.756	6.739	6.722	6.703	6.684
-38.75 A	252989	256116	259296	262528	265814	269152	272542	275985	279479	283025	286623	290272	293972	297724	301526	305379
-38.75 B	6.872	6.866	6.858	6.850	6.841	6.831	6.820	6.808	6.795	6.781	6.767	6.751	6.735	6.718	6.700	6.681
-38.50 A	251857	254977	258150	261375	264654	267985	271368	274804	278291	281830	285420	289062	292756	296500	300295	304141
-38.50 B	6.866	6.860	6.853	6.845	6.836	6.826	6.815	6.803	6.790	6.777	6.763	6.747	6.731	6.714	6.696	6.677
-38.25 A	250727	253840	257005	260224	263496	266820	270196	273624	277105	280637	284220	287855	291541	295278	299066	302904
-38.25 B	6.860	6.854	6.847	6.839	6.830	6.820	6.810	6.798	6.786	6.773	6.758	6.743	6.727	6.710	6.693	6.674

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE																F=1/(A+DP*B)	
	414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444		
-38.00 A	249599	252705	255864	259075	262340	265657	269026	272447	275921	279445	283022	286649	290328	294058	297839	301670		
B	6.854	6.848	6.841	6.834	6.825	6.815	6.805	6.793	6.781	6.768	6.754	6.739	6.723	6.707	6.689	6.671		
-37.75 A	248473	251572	254724	257929	261186	264496	267858	271273	274739	278256	281826	285446	289118	292840	296614	300438		
B	6.848	6.843	6.836	6.828	6.820	6.810	6.800	6.789	6.776	6.763	6.750	6.735	6.719	6.703	6.685	6.667		
-37.50 A	247349	250441	253586	256784	260034	263337	266693	270100	273559	277070	280632	284245	287909	291625	295391	299208		
B	6.842	6.837	6.830	6.823	6.814	6.805	6.795	6.784	6.772	6.759	6.745	6.731	6.715	6.699	6.682	6.664		
-37.25 A	246228	249312	252451	255641	258885	262181	265529	268929	272381	275885	279440	283046	286703	290412	294171	297981		
B	6.836	6.831	6.824	6.817	6.809	6.800	6.790	6.779	6.767	6.754	6.741	6.726	6.711	6.695	6.678	6.660		
-37.00 A	245108	248186	251317	254501	257738	261027	264368	267761	271206	274702	278250	281849	285500	289201	292953	296755		
B	6.830	6.825	6.818	6.811	6.803	6.794	6.785	6.774	6.762	6.750	6.736	6.722	6.707	6.691	6.674	6.657		
-36.75 A	243991	247062	250186	253363	256592	259874	263209	266595	270033	273522	277063	280655	284298	287992	291737	295532		
B	6.824	6.819	6.813	6.806	6.798	6.789	6.779	6.769	6.757	6.745	6.732	6.718	6.703	6.687	6.671	6.653		
-36.50 A	242875	245939	249057	252227	255449	258724	262052	265431	268861	272344	275878	279462	283098	286785	290523	294311		
B	6.818	6.813	6.807	6.800	6.792	6.784	6.774	6.764	6.753	6.741	6.728	6.714	6.699	6.683	6.667	6.649		
-36.25 A	241762	244819	247930	251093	254309	257577	260897	264269	267693	271168	274694	278272	281901	285581	289311	293092		
B	6.812	6.807	6.801	6.794	6.787	6.778	6.769	6.759	6.748	6.736	6.723	6.709	6.695	6.679	6.663	6.646		
-36.00 A	240651	243701	246805	249961	253170	256431	259744	263109	266526	269994	273514	277084	280706	284379	288102	291876		
B	6.806	6.801	6.795	6.789	6.781	6.773	6.764	6.754	6.743	6.731	6.718	6.705	6.691	6.675	6.659	6.642		
-35.75 A	239542	242586	245682	248831	252033	255287	258593	261952	265361	268822	272335	275899	279513	283178	286895	290661		
B	6.799	6.795	6.789	6.783	6.776	6.768	6.759	6.749	6.738	6.726	6.714	6.701	6.686	6.671	6.655	6.638		
-35.50 A	238435	241472	244561	247704	250899	254146	257445	260796	264199	267653	271158	274715	278322	281981	285690	289449		
B	6.793	6.789	6.783	6.777	6.770	6.762	6.753	6.744	6.733	6.722	6.709	6.696	6.682	6.667	6.651	6.635		
-35.25 A	237330	240360	243443	246578	249766	253007	256299	259643	263039	266486	269984	273534	277134	280785	284487	288239		
B	6.787	6.783	6.777	6.771	6.764	6.757	6.748	6.739	6.728	6.717	6.705	6.692	6.678	6.663	6.648	6.631		
-35.00 A	236228	239251	242327	245455	248636	251870	255155	258492	261881	265321	268812	272354	275948	279592	283286	287031		
B	6.780	6.776	6.771	6.766	6.759	6.751	6.743	6.733	6.723	6.712	6.700	6.687	6.674	6.659	6.644	6.627		
-34.75 A	235127	238144	241213	244334	247508	250735	254013	257343	260725	264158	267642	271177	274763	278400	282088	285826		
B	6.774	6.770	6.765	6.760	6.753	6.746	6.737	6.728	6.718	6.707	6.696	6.683	6.669	6.655	6.640	6.623		
-34.50 A	234029	237038	240101	243215	246383	249602	252873	256196	259571	262997	266474	270003	273582	277211	280892	284622		
B	6.768	6.764	6.759	6.754	6.747	6.740	6.732	6.723	6.713	6.702	6.691	6.678	6.665	6.651	6.636	6.620		
-34.25 A	232933	235935	238991	242099	245259	248471	251736	255052	258420	261839	265309	268830	272402	276025	279698	283421		
B	6.761	6.758	6.753	6.748	6.742	6.735	6.727	6.718	6.708	6.698	6.686	6.674	6.661	6.647	6.632	6.616		

TEMP DEG C		DENSITY AT 15 DEGREES C										KILOGRAM PER CUBIC METRE									
		414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444				
-34.00	A	231839	234835	237883	240984	244138	247343	250601	253910	257270	260682	264146	267660	271224	274840	278506	282222				
	B	6.755	6.752	6.747	6.742	6.736	6.729	6.721	6.713	6.703	6.693	6.681	6.669	6.656	6.642	6.628	6.612				
-33.75	A	230747	233736	236778	239872	243018	246217	249467	252770	256123	259528	262984	266491	270049	273658	277316	281026				
	B	6.749	6.745	6.741	6.736	6.730	6.724	6.716	6.707	6.698	6.688	6.677	6.665	6.652	6.638	6.624	6.608				
-33.50	A	229658	232639	235674	238761	241901	245093	248336	251632	254978	258376	261825	265325	268876	272477	276129	279831				
	B	6.742	6.739	6.735	6.730	6.724	6.718	6.710	6.702	6.693	6.683	6.672	6.660	6.647	6.634	6.620	6.604				
-33.25	A	228570	231545	234573	237653	240786	243971	247208	250496	253836	257227	260669	264162	267705	271300	274944	278639				
	B	6.736	6.733	6.729	6.724	6.719	6.712	6.705	6.697	6.688	6.678	6.667	6.656	6.643	6.630	6.615	6.600				
-33.00	A	227485	230453	233474	236548	239673	242851	246081	249363	252695	256079	259514	263000	266537	270124	273761	277449				
	B	6.729	6.726	6.723	6.718	6.713	6.707	6.699	6.691	6.683	6.673	6.662	6.651	6.639	6.625	6.611	6.596				
-32.75	A	226401	229363	232377	235444	238563	241734	244957	248231	251557	254934	258362	261841	265370	268950	272581	276261				
	B	6.723	6.720	6.717	6.712	6.707	6.701	6.694	6.686	6.677	6.668	6.657	6.646	6.634	6.621	6.607	6.592				
-32.50	A	225320	228275	231282	234342	237454	240619	243835	247102	250421	253791	257212	260684	264206	267779	271402	275076				
	B	6.716	6.714	6.710	6.706	6.701	6.695	6.688	6.681	6.672	6.663	6.653	6.642	6.630	6.617	6.603	6.588				
-32.25	A	224241	227189	230190	233243	236348	239506	242715	245975	249287	252650	256064	259529	263044	266610	270226	273893				
	B	6.710	6.707	6.704	6.700	6.695	6.689	6.683	6.675	6.667	6.658	6.648	6.637	6.625	6.612	6.599	6.584				
-32.00	A	223164	226106	229099	232146	235244	238395	241597	244851	248155	251512	254919	258376	261885	265443	269052	272712				
	B	6.703	6.701	6.698	6.694	6.689	6.684	6.677	6.670	6.662	6.653	6.643	6.632	6.620	6.608	6.595	6.580				
-31.75	A	222090	225024	228011	231051	234142	237286	240481	243728	247026	250375	253775	257226	260727	264279	267881	271533				
	B	6.696	6.694	6.692	6.688	6.683	6.678	6.672	6.664	6.656	6.648	6.638	6.627	6.616	6.604	6.590	6.576				
-31.50	A	221017	223945	226925	229958	233043	236180	239368	242608	245899	249241	252634	256078	259572	263117	266711	270356				
	B	6.690	6.688	6.685	6.682	6.677	6.672	6.666	6.659	6.651	6.642	6.633	6.623	6.611	6.599	6.586	6.572				
-31.25	A	219947	222868	225841	228867	231945	235075	238257	241490	244774	248109	251495	254932	258419	261957	265544	269182				
	B	6.683	6.681	6.679	6.676	6.671	6.666	6.660	6.654	6.646	6.637	6.628	6.618	6.607	6.595	6.582	6.568				
-31.00	A	218879	221793	224760	227779	230850	233973	237148	240374	243651	246979	250358	253788	257268	260799	264379	268010				
	B	6.676	6.675	6.673	6.669	6.665	6.660	6.655	6.648	6.640	6.632	6.623	6.613	6.602	6.590	6.577	6.564				
-30.75	A	217813	220720	223680	226693	229757	232873	236041	239260	242531	245852	249224	252647	256120	259643	263217	266840				
	B	6.670	6.668	6.666	6.663	6.659	6.654	6.649	6.642	6.635	6.627	6.618	6.608	6.597	6.586	6.573	6.560				
-30.50	A	216749	219650	222603	225609	228666	231776	234936	238149	241412	244727	248092	251507	254973	258490	262056	265673				
	B	6.663	6.662	6.660	6.657	6.653	6.649	6.643	6.637	6.630	6.622	6.613	6.603	6.593	6.581	6.569	6.556				
-30.25	A	215688	218582	221528	224527	227578	230680	233834	237040	240296	243604	246962	250370	253829	257339	260898	264507				
	B	6.656	6.655	6.653	6.651	6.647	6.643	6.637	6.631	6.624	6.616	6.608	6.598	6.588	6.577	6.564	6.551				

TEMP DEG C	COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE																F=1/(A+DP*B)	
	414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444		
-30.00 A	214628	217515	220455	223447	226491	229587	232734	235933	239182	242483	245834	249236	252688	256190	259742	263344		
B	6.649	6.648	6.647	6.644	6.641	6.637	6.632	6.626	6.619	6.611	6.603	6.593	6.583	6.572	6.560	6.547		
-29.75 A	213571	216451	219384	222370	225407	228496	231636	234828	238071	241364	244708	248103	251548	255043	258589	262184		
B	6.642	6.642	6.640	6.638	6.635	6.631	6.626	6.620	6.613	6.606	6.598	6.588	6.578	6.567	6.556	6.543		
-29.50 A	212516	215390	218316	221294	224325	227407	230540	233725	236961	240248	243585	246973	250411	253899	257437	261025		
B	6.636	6.635	6.634	6.632	6.629	6.625	6.620	6.614	6.608	6.601	6.592	6.583	6.573	6.563	6.551	6.539		
-29.25 A	211463	214330	217250	220221	223245	226320	229447	232625	235854	239134	242464	245845	249276	252757	256288	259869		
B	6.629	6.628	6.627	6.625	6.622	6.619	6.614	6.609	6.602	6.595	6.587	6.578	6.569	6.558	6.547	6.534		
-29.00 A	210412	213273	216186	219151	222167	225236	228356	231527	234749	238022	241345	244719	248143	251617	255141	258715		
B	6.622	6.622	6.621	6.619	6.616	6.613	6.608	6.603	6.597	6.590	6.582	6.573	6.564	6.553	6.542	6.530		
-28.75 A	209364	212218	215124	218082	221092	224154	227267	230431	233646	236912	240229	243596	247013	250480	253997	257563		
B	6.615	6.615	6.614	6.612	6.610	6.607	6.602	6.597	6.591	6.584	6.577	6.568	6.559	6.549	6.538	6.526		
-28.50 A	208317	211165	214064	217015	220019	223074	226180	229337	232546	235805	239114	242474	245884	249344	252854	256414		
B	6.608	6.608	6.608	6.606	6.604	6.600	6.596	6.591	6.586	6.579	6.571	6.563	6.554	6.544	6.533	6.521		
-28.25 A	207273	210114	213006	215951	218948	221996	225096	228246	231448	234700	238002	241355	244758	248211	251714	255267		
B	6.601	6.601	6.601	6.600	6.597	6.594	6.590	6.586	6.580	6.574	6.566	6.558	6.549	6.539	6.528	6.517		
-28.00 A	206231	209065	211951	214889	217879	220921	224013	227157	230352	233597	236893	240239	243635	247081	250577	254122		
B	6.594	6.595	6.594	6.593	6.591	6.588	6.584	6.580	6.574	6.568	6.561	6.553	6.544	6.534	6.524	6.512		
-27.75 A	205192	208019	210898	213829	216813	219847	222933	226070	229258	232496	235785	239124	242513	245952	249441	252979		
B	6.587	6.588	6.588	6.587	6.585	6.582	6.578	6.574	6.569	6.563	6.556	6.548	6.539	6.530	6.519	6.508		
-27.50 A	204154	206975	209847	212772	215748	218776	221855	224985	228166	231398	234680	238012	241394	244826	248308	251839		
B	6.580	6.581	6.581	6.580	6.578	6.576	6.572	6.568	6.563	6.557	6.550	6.543	6.534	6.525	6.515	6.503		
-27.25 A	203119	205933	208799	211717	214686	217707	220780	223903	227077	230302	233577	236902	240277	243702	247177	250701		
B	6.573	6.574	6.574	6.573	6.572	6.570	6.566	6.562	6.557	6.551	6.545	6.537	6.529	6.520	6.510	6.499		
-27.00 A	202086	204893	207752	210663	213626	216641	219706	222823	225990	229208	232476	235794	239163	242581	246048	249565		
B	6.566	6.567	6.567	6.567	6.565	6.563	6.560	6.556	6.552	6.546	6.539	6.532	6.524	6.515	6.505	6.494		
-26.75 A	201055	203855	206708	209613	212569	215577	218635	221745	224905	228116	231378	234689	238050	241461	244922	248432		
B	6.559	6.560	6.561	6.560	6.559	6.557	6.554	6.550	6.546	6.540	6.534	6.527	6.519	6.510	6.500	6.490		
-26.50 A	200026	202820	205666	208564	211514	214514	217566	220669	223823	227027	230281	233586	236940	240344	243798	247301		
B	6.552	6.553	6.554	6.554	6.553	6.551	6.548	6.544	6.540	6.535	6.529	6.522	6.514	6.505	6.496	6.485		
-26.25 A	198999	201787	204626	207518	210460	213455	216500	219596	222743	225940	229187	232485	235832	239229	242676	246172		
B	6.544	6.546	6.547	6.547	6.546	6.544	6.542	6.538	6.534	6.529	6.523	6.516	6.509	6.500	6.491	6.481		

TEMP DEG C	DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															
	414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444
-26.00 A	197975	200756	203589	206473	209410	212397	215436	218525	221665	224855	228096	231386	234727	238117	241556	245045
B	6.537	6.539	6.540	6.540	6.540	6.538	6.536	6.532	6.528	6.523	6.518	6.511	6.504	6.495	6.486	6.476
-25.75 A	196953	199727	202553	205431	208361	211342	214373	217456	220589	223773	227006	230290	233624	237007	240439	243921
B	6.530	6.532	6.533	6.534	6.533	6.532	6.529	6.526	6.522	6.518	6.512	6.506	6.498	6.490	6.481	6.471
-25.50 A	195933	198701	201520	204392	207314	210289	213314	216389	219516	222692	225919	229196	232523	235899	239324	242799
B	6.523	6.525	6.526	6.527	6.526	6.525	6.523	6.520	6.517	6.512	6.507	6.500	6.493	6.485	6.476	6.467
-25.25 A	194915	197676	200489	203354	206270	209238	212256	215325	218445	221615	224834	228104	231424	234793	238212	241680
B	6.516	6.518	6.519	6.520	6.520	6.519	6.517	6.514	6.511	6.506	6.501	6.495	6.488	6.480	6.472	6.462
-25.00 A	193900	196654	199461	202319	205228	208189	211201	214263	217376	220539	223752	227015	230328	233690	237101	240562
B	6.508	6.511	6.512	6.513	6.513	6.512	6.511	6.508	6.505	6.500	6.495	6.489	6.483	6.475	6.467	6.457
-24.75 A	192887	195635	198434	201286	204189	207143	210148	213203	216309	219465	222672	225928	229234	232589	235993	239447
B	6.501	6.504	6.505	6.506	6.507	6.506	6.504	6.502	6.499	6.495	6.490	6.484	6.477	6.470	6.462	6.453
-24.50 A	191876	194617	197410	200255	203151	206099	209097	212146	215245	218394	221594	224843	228142	231490	234888	238334
B	6.494	6.497	6.498	6.500	6.500	6.499	6.498	6.496	6.493	6.489	6.484	6.479	6.472	6.465	6.457	6.448
-24.25 A	190867	193602	196388	199227	202116	205057	208048	211090	214183	217325	220518	223760	227052	230394	233784	237224
B	6.486	6.489	6.491	6.493	6.493	6.493	6.492	6.490	6.487	6.483	6.478	6.473	6.467	6.460	6.452	6.443
-24.00 A	189861	192589	195369	198200	201083	204017	207002	210037	213123	216259	219445	222680	225965	229299	232683	236116
B	6.479	6.482	6.484	6.486	6.487	6.486	6.485	6.483	6.481	6.477	6.473	6.467	6.461	6.455	6.447	6.438
-23.75 A	188856	191578	194351	197176	200053	202980	205958	208987	212066	215195	218374	221602	224880	228208	231584	235010
B	6.472	6.475	6.477	6.479	6.480	6.480	6.479	6.477	6.475	6.471	6.467	6.462	6.456	6.449	6.442	6.433
-23.50 A	187854	190569	193336	196155	199024	201945	204916	207938	211010	214133	217305	220526	223798	227118	230488	233907
B	6.464	6.468	6.470	6.472	6.473	6.473	6.472	6.471	6.469	6.465	6.461	6.456	6.451	6.444	6.437	6.428
-23.25 A	186854	189563	192323	195135	197998	200912	203877	206892	209958	213073	216238	219453	222717	226031	229394	232805
B	6.457	6.460	6.463	6.465	6.466	6.467	6.466	6.465	6.462	6.459	6.455	6.451	6.445	6.439	6.432	6.424
-23.00 A	185857	188559	191313	194118	196974	199882	202840	205848	208907	212016	215174	218382	221639	224946	228302	231706
B	6.449	6.453	6.456	6.458	6.459	6.460	6.460	6.458	6.456	6.453	6.450	6.445	6.440	6.434	6.427	6.419
-22.75 A	184861	187557	190304	193103	195953	198854	201805	204807	207859	210960	214112	217313	220564	223863	227212	230610
B	6.442	6.446	6.449	6.451	6.453	6.453	6.453	6.452	6.450	6.447	6.444	6.440	6.434	6.428	6.421	6.414
-22.50 A	183868	186557	189298	192090	194934	197828	200772	203767	206813	209908	213052	216247	219490	222783	226125	229516
B	6.434	6.438	6.442	6.444	6.446	6.447	6.446	6.446	6.444	6.441	6.438	6.434	6.429	6.423	6.416	6.409
-22.25 A	182877	185560	188294	191080	193916	196804	199742	202730	205769	208857	211995	215183	218419	221705	225040	228424
B	6.427	6.431	6.434	6.437	6.439	6.440	6.440	6.439	6.438	6.435	6.432	6.428	6.423	6.418	6.411	6.404

TEMP DEG C	COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444	
-22.00 A	181889	184565	187293	190072	192902	195783	198714	201696	204727	207809	210940	214121	217351	220630	223958	227334	
-22.00 B	6.419	6.424	6.427	6.430	6.432	6.433	6.433	6.433	6.431	6.429	6.426	6.422	6.418	6.412	6.406	6.399	
-21.75 A	180902	183572	186293	189066	191889	194764	197688	200663	203688	206763	209887	213061	216284	219556	222877	226247	
-21.75 B	6.411	6.416	6.420	6.423	6.425	6.426	6.427	6.426	6.425	6.423	6.420	6.417	6.412	6.407	6.401	6.394	
-21.50 A	179918	182581	185296	188062	190879	193747	196665	199633	202651	205719	208837	212004	215220	218485	221799	225162	
-21.50 B	6.404	6.409	6.413	6.416	6.418	6.420	6.420	6.420	6.419	6.417	6.414	6.411	6.407	6.401	6.395	6.389	
-21.25 A	178936	181593	184301	187061	189871	192732	195644	198605	201617	204678	207789	210949	214158	217417	220724	224080	
-21.25 B	6.396	6.401	6.405	6.409	6.411	6.413	6.414	6.413	6.413	6.411	6.408	6.405	6.401	6.396	6.390	6.383	
-21.00 A	177957	180607	183309	186062	188865	191720	194625	197580	200585	203639	206743	209897	213099	216350	219651	222999	
-21.00 B	6.389	6.394	6.398	6.401	6.404	6.406	6.407	6.407	6.406	6.405	6.402	6.399	6.395	6.391	6.385	6.378	
-20.75 A	176979	179623	182318	185065	187862	190710	193608	196557	199555	202603	205700	208846	212042	215286	218580	221921	
-20.75 B	6.381	6.386	6.391	6.394	6.397	6.399	6.400	6.400	6.400	6.399	6.396	6.393	6.390	6.385	6.380	6.373	
-20.50 A	176004	178642	181330	184070	186861	189702	192594	195536	198527	201568	204659	207798	210987	214225	217511	220846	
-20.50 B	6.373	6.379	6.383	6.387	6.390	6.392	6.393	6.394	6.394	6.392	6.390	6.388	6.384	6.379	6.374	6.368	
-20.25 A	175031	177662	180345	183078	185862	188697	191582	194517	197502	200536	203620	206753	209935	213165	216445	219773	
-20.25 B	6.365	6.371	6.376	6.380	6.383	6.385	6.387	6.387	6.387	6.386	6.384	6.382	6.378	6.374	6.369	6.363	
-20.00 A	174061	176685	179361	182088	184866	187694	190572	193501	196479	199506	202583	205710	208885	212108	215381	218702	
-20.00 B	6.358	6.363	6.368	6.372	6.376	6.378	6.380	6.381	6.381	6.380	6.378	6.376	6.373	6.368	6.363	6.358	
-19.75 A	173093	175711	178380	181100	183872	186693	189565	192487	195458	198479	201549	204669	207837	211054	214319	217633	
-19.75 B	6.350	6.356	6.361	6.365	6.369	6.371	6.373	6.374	6.374	6.374	6.372	6.370	6.367	6.363	6.358	6.352	
-19.50 A	172127	174738	177401	180115	182880	185695	188560	191475	194440	197454	200518	203630	206791	210002	213260	216567	
-19.50 B	6.342	6.348	6.353	6.358	6.361	6.364	6.366	6.367	6.368	6.367	6.366	6.364	6.361	6.357	6.353	6.347	
-19.25 A	171163	173768	176425	179132	181890	184699	187557	190466	193424	196431	199488	202594	205748	208952	212203	215503	
-19.25 B	6.334	6.340	6.346	6.350	6.354	6.357	6.359	6.361	6.361	6.361	6.360	6.358	6.355	6.352	6.347	6.342	
-19.00 A	170201	172800	175450	178151	180903	183705	186557	189459	192410	195411	198461	201560	204708	207904	211149	214442	
-19.00 B	6.326	6.333	6.338	6.343	6.347	6.350	6.353	6.354	6.355	6.355	6.354	6.352	6.349	6.346	6.342	6.337	
-18.75 A	169242	171835	174478	177173	179918	182713	185559	188454	191399	194393	197436	200528	203669	206859	210097	213383	
-18.75 B	6.318	6.325	6.331	6.336	6.340	6.343	6.346	6.347	6.348	6.348	6.347	6.346	6.343	6.340	6.336	6.331	
-18.50 A	168285	170871	173508	176197	178935	181724	184563	187452	190390	193377	196414	199499	202633	205816	209047	212326	
-18.50 B	6.310	6.317	6.323	6.328	6.333	6.336	6.339	6.341	6.342	6.342	6.341	6.340	6.338	6.334	6.331	6.326	
-18.25 A	167330	169910	172541	175223	177955	180737	183569	186451	189383	192364	195394	198472	201600	204775	207999	211272	
-18.25 B	6.303	6.309	6.316	6.321	6.325	6.329	6.332	6.334	6.335	6.335	6.335	6.334	6.332	6.329	6.325	6.320	

TEMP DEG C	DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE														
	414	416	418	420	422	424	426	428	430	432	434	436	438	440	442
-18.00 A	166378	168951	171576	174251	176977	179752	182578	185454	188379	191353	194376	197448	200568	203737	206954
-18.00 B	6.295	6.302	6.308	6.313	6.318	6.322	6.325	6.327	6.328	6.329	6.329	6.328	6.326	6.323	6.319
-17.75 A	165428	167995	170613	173282	176001	178770	181589	184458	187377	190344	193360	196425	199539	202701	205912
-17.75 B	6.287	6.294	6.300	6.306	6.311	6.315	6.318	6.320	6.322	6.323	6.322	6.321	6.320	6.317	6.314
-17.50 A	164480	167041	169652	172315	175027	177790	180603	183465	186377	189338	192347	195406	198513	201668	204871
-17.50 B	6.279	6.286	6.293	6.298	6.303	6.308	6.311	6.313	6.315	6.316	6.316	6.315	6.314	6.311	6.308
-17.25 A	163535	166089	168694	171350	174056	176813	179619	182474	185379	188334	191337	194388	197488	200637	203833
-17.25 B	6.270	6.278	6.285	6.291	6.296	6.300	6.304	6.307	6.308	6.309	6.310	6.309	6.308	6.306	6.303
-17.00 A	162591	165139	167738	170388	173087	175837	178637	181486	184384	187332	190328	193373	196466	199608	202798
-17.00 B	6.262	6.270	6.277	6.283	6.289	6.293	6.297	6.300	6.302	6.303	6.303	6.303	6.302	6.300	6.297
-16.75 A	161650	164192	166785	169428	172121	174864	177657	180500	183392	186333	189322	192360	195447	198582	201764
-16.75 B	6.254	6.262	6.269	6.276	6.281	6.286	6.290	6.293	6.295	6.296	6.297	6.297	6.296	6.294	6.291
-16.50 A	160712	163247	165833	168470	171157	173894	176680	179516	182401	185336	188318	191350	194430	197558	200734
-16.50 B	6.246	6.254	6.262	6.268	6.274	6.279	6.283	6.286	6.288	6.290	6.291	6.290	6.290	6.288	6.285
-16.25 A	159775	162304	164884	167514	170195	172925	175705	178535	181413	184341	187317	190342	193415	196536	199705
-16.25 B	6.238	6.246	6.254	6.260	6.266	6.271	6.275	6.279	6.281	6.283	6.284	6.284	6.283	6.282	6.280
-16.00 A	158841	161364	163937	166561	169235	171959	174733	177556	180428	183349	186318	189336	192402	195517	198679
-16.00 B	6.230	6.238	6.246	6.253	6.259	6.264	6.268	6.272	6.275	6.276	6.278	6.278	6.277	6.276	6.274
-15.75 A	157909	160426	162993	165611	168278	170996	173763	176579	179444	182359	185322	188333	191392	194500	197655
-15.75 B	6.222	6.230	6.238	6.245	6.251	6.257	6.261	6.265	6.268	6.270	6.271	6.272	6.271	6.270	6.268
-15.50 A	156980	159490	162051	164662	167323	170034	172795	175605	178464	181371	184327	187332	190385	193485	196634
-15.50 B	6.214	6.222	6.230	6.237	6.244	6.249	6.254	6.258	6.261	6.263	6.265	6.265	6.265	6.264	6.262
-15.25 A	156053	158557	161111	163716	166371	169075	171829	174633	177485	180386	183335	186333	189379	192473	195615
-15.25 B	6.205	6.214	6.222	6.230	6.236	6.242	6.247	6.251	6.254	6.256	6.258	6.259	6.259	6.258	6.256
-15.00 A	155128	157626	160174	162772	165421	168119	170866	173663	176509	179403	182346	185337	188376	191463	194598
-15.00 B	6.197	6.206	6.214	6.222	6.229	6.234	6.239	6.244	6.247	6.250	6.251	6.252	6.253	6.252	6.251
-14.75 A	154205	156697	159239	161831	164473	167164	169906	172696	175535	178423	181359	184343	187376	190456	193584
-14.75 B	6.189	6.198	6.206	6.214	6.221	6.227	6.232	6.237	6.240	6.243	6.245	6.246	6.246	6.246	6.245
-14.50 A	153285	155770	158306	160892	163527	166212	168947	171731	174563	177445	180374	183352	186378	189451	192572
-14.50 B	6.180	6.190	6.198	6.206	6.213	6.219	6.225	6.229	6.233	6.236	6.238	6.240	6.240	6.240	6.239
-14.25 A	152367	154846	157375	159955	162584	165263	167991	170768	173594	176469	179392	182363	185382	188448	191563
-14.25 B	6.172	6.182	6.190	6.198	6.206	6.212	6.217	6.222	6.226	6.229	6.232	6.233	6.234	6.234	6.233

TEMP DEG C		COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)		
		414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444		
-14.00	A	151452	153924	156447	159020	161643	164316	167037	169808	172627	175495	178412	181376	184388	187448	190556	193711		
	B	6.164	6.174	6.182	6.191	6.198	6.204	6.210	6.215	6.219	6.222	6.225	6.227	6.227	6.227	6.227	6.225		
-13.75	A	150538	153005	155521	158088	160705	163371	166086	168850	171663	174524	177434	180392	183397	186450	189551	192699		
	B	6.155	6.165	6.174	6.183	6.190	6.197	6.203	6.208	6.212	6.216	6.218	6.220	6.221	6.221	6.221	6.219		
-13.50	A	149628	152088	154598	157158	159769	162428	165137	167895	170701	173556	176459	179410	182409	185455	188549	191690		
	B	6.147	6.157	6.166	6.175	6.182	6.189	6.195	6.201	6.205	6.209	6.211	6.213	6.215	6.215	6.215	6.214		
-13.25	A	148719	151173	153677	156231	158835	161488	164190	166942	169741	172590	175486	178430	181422	184462	187549	190683		
	B	6.139	6.149	6.158	6.167	6.175	6.182	6.188	6.193	6.198	6.202	6.205	6.207	6.208	6.209	6.209	6.208		
-13.00	A	147813	150260	152758	155306	157903	160550	163246	165991	168784	171626	174515	177453	180439	183471	186552	189679		
	B	6.130	6.141	6.150	6.159	6.167	6.174	6.180	6.186	6.191	6.195	6.198	6.200	6.202	6.203	6.203	6.202		
-12.75	A	146909	149350	151842	154383	156974	159615	162304	165042	167829	170664	173547	176478	179457	182483	185557	188677		
	B	6.122	6.132	6.142	6.151	6.159	6.166	6.173	6.179	6.184	6.188	6.191	6.194	6.195	6.196	6.196	6.196		
-12.50	A	146007	148442	150927	153463	156047	158682	161365	164096	166877	169705	172582	175506	178478	181497	184564	187678		
	B	6.113	6.124	6.134	6.143	6.151	6.159	6.165	6.171	6.177	6.181	6.184	6.187	6.189	6.190	6.190	6.190		
-12.25	A	145108	147537	150016	152545	155123	157751	160427	163153	165927	168748	171618	174536	177501	180514	183574	186681		
	B	6.105	6.115	6.126	6.135	6.143	6.151	6.158	6.164	6.169	6.174	6.178	6.180	6.182	6.184	6.184	6.184		
-12.00	A	144211	146633	149106	151629	154201	156822	159493	162211	164979	167794	170658	173569	176527	179533	182586	185686		
	B	6.096	6.107	6.117	6.127	6.135	6.143	6.150	6.157	6.162	6.167	6.171	6.174	6.176	6.177	6.178	6.178		
-11.75	A	143316	145733	148199	150716	153281	155896	158560	161273	164033	166842	169699	172603	175555	178554	181601	184694		
	B	6.087	6.099	6.109	6.119	6.128	6.136	6.143	6.149	6.155	6.160	6.164	6.167	6.169	6.171	6.172	6.172		
-11.50	A	142424	144834	147295	149805	152364	154973	157630	160336	163090	165893	168743	171641	174586	177578	180618	183704		
	B	6.079	6.090	6.101	6.111	6.120	6.128	6.135	6.142	6.148	6.153	6.157	6.160	6.163	6.165	6.166	6.166		
-11.25	A	141534	143938	146392	148896	151449	154051	156703	159402	162150	164946	167789	170680	173619	176604	179637	182717		
	B	6.070	6.082	6.093	6.103	6.112	6.120	6.128	6.134	6.140	6.146	6.150	6.153	6.156	6.158	6.159	6.160		
-11.00	A	140646	143044	145492	147990	150537	153133	155777	158470	161212	164001	166838	169722	172654	175633	178659	181732		
	B	6.062	6.073	6.084	6.094	6.104	6.112	6.120	6.127	6.133	6.138	6.143	6.147	6.150	6.152	6.153	6.154		
-10.75	A	139761	142153	144594	147086	149627	152216	154854	157541	160276	163059	165889	168767	171692	174664	177683	180749		
	B	6.053	6.065	6.076	6.086	6.096	6.104	6.112	6.119	6.126	6.131	6.136	6.140	6.143	6.145	6.147	6.148		
-10.50	A	138878	141264	143699	146184	148719	151302	153934	156614	159342	162119	164942	167814	170732	173698	176710	179769		
	B	6.044	6.056	6.068	6.078	6.088	6.097	6.105	6.112	6.118	6.124	6.129	6.133	6.136	6.139	6.141	6.141		
-10.25	A	137997	140377	142806	145285	147813	150390	153016	155690	158411	161181	163998	166863	169775	172734	175739	178791		
	B	6.035	6.048	6.059	6.070	6.080	6.089	6.097	6.104	6.111	6.117	6.122	6.126	6.130	6.132	6.134	6.135		

TEMP DEG C	DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															
	414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444
-10.00 A	137119	139492	141916	144388	146910	149481	152100	154767	157483	160246	163057	165915	168820	171772	174771	177816
-10.00 B	6.027	6.039	6.051	6.062	6.072	6.081	6.089	6.097	6.104	6.110	6.115	6.119	6.123	6.126	6.128	6.129
-9.75 A	136243	138610	141028	143494	146010	148574	151187	153848	156557	159313	162117	164969	167867	170813	173805	176843
-9.75 B	6.018	6.031	6.042	6.053	6.063	6.073	6.081	6.089	6.096	6.102	6.108	6.112	6.116	6.119	6.121	6.123
-9.50 A	135369	137731	140142	142602	145111	147669	150276	152930	155633	158383	161181	164025	166917	169856	172841	175873
-9.50 B	6.009	6.022	6.034	6.045	6.055	6.065	6.074	6.082	6.089	6.095	6.101	6.105	6.109	6.113	6.115	6.117
-9.25 A	134498	136853	139258	141712	144215	146767	149367	152015	154711	157455	160246	163084	165970	168902	171880	174905
-9.25 B	6.000	6.013	6.025	6.037	6.047	6.057	6.066	6.074	6.081	6.088	6.093	6.098	6.103	6.106	6.109	6.110
-9.00 A	133629	135979	138377	140825	143322	145867	148461	151103	153793	156530	159314	162146	165024	167950	170921	173940
-9.00 B	5.992	6.005	6.017	6.028	6.039	6.049	6.058	6.066	6.074	6.080	6.086	6.091	6.096	6.099	6.102	6.104
-8.75 A	132763	135106	137498	139940	142431	144970	147557	150193	152876	155607	158385	161210	164082	167000	169965	172977
-8.75 B	5.983	5.996	6.008	6.020	6.031	6.041	6.050	6.058	6.066	6.073	6.079	6.084	6.089	6.093	6.096	6.098
-8.50 A	131899	134236	136622	139058	141542	144075	146656	149285	151962	154686	157457	160276	163141	166053	169011	172016
-8.50 B	5.974	5.987	6.000	6.011	6.022	6.033	6.042	6.051	6.059	6.066	6.072	6.077	6.082	6.086	6.089	6.091
-8.25 A	131037	133368	135748	138178	140656	143182	145757	148380	151050	153768	156533	159345	162203	165108	168060	171058
-8.25 B	5.965	5.978	5.991	6.003	6.014	6.025	6.034	6.043	6.051	6.058	6.065	6.070	6.075	6.079	6.083	6.085
-8.00 A	130178	132503	134877	137300	139772	142292	144861	147477	150141	152852	155610	158416	161268	164166	167111	170102
-8.00 B	5.956	5.970	5.982	5.995	6.006	6.017	6.026	6.035	6.043	6.051	6.057	6.063	6.068	6.073	6.076	6.079
-7.75 A	129321	131639	134008	136425	138890	141404	143966	146576	149234	151939	154691	157489	160335	163227	166165	169149
-7.75 B	5.947	5.961	5.974	5.986	5.998	6.008	6.018	6.027	6.036	6.043	6.050	6.056	6.061	6.066	6.069	6.072
-7.50 A	128466	130779	133141	135552	138011	140519	143075	145678	148329	151028	153773	156565	159404	162289	165221	168198
-7.50 B	5.938	5.952	5.965	5.978	5.989	6.000	6.010	6.020	6.028	6.036	6.043	6.049	6.054	6.059	6.063	6.066
-7.25 A	127614	129921	132276	134681	137134	139636	142185	144783	147427	150119	152858	155644	158476	161354	164279	167250
-7.25 B	5.929	5.943	5.957	5.969	5.981	5.992	6.002	6.012	6.020	6.028	6.035	6.042	6.047	6.052	6.056	6.059
-7.00 A	126764	129065	131414	133813	136260	138755	141299	143889	146528	149213	151946	154725	157550	160422	163340	166304
-7.00 B	5.920	5.934	5.948	5.961	5.973	5.984	5.994	6.004	6.013	6.021	6.028	6.035	6.040	6.045	6.049	6.053
-6.75 A	125917	128211	130555	132947	135388	137877	140414	142999	145631	148310	151036	153808	156627	159492	162403	165360
-6.75 B	5.911	5.925	5.939	5.952	5.964	5.976	5.986	5.996	6.005	6.013	6.021	6.027	6.033	6.038	6.043	6.046
-6.50 A	125071	127360	129697	132084	134519	137001	139532	142110	144736	147408	150128	152894	155706	158565	161469	164419
-6.50 B	5.902	5.916	5.930	5.943	5.956	5.967	5.978	5.988	5.997	6.006	6.013	6.020	6.026	6.032	6.036	6.040
-6.25 A	124229	126511	128843	131223	133651	136128	138652	141224	143844	146510	149223	151982	154788	157640	160537	163481
-6.25 B	5.893	5.907	5.922	5.935	5.947	5.959	5.970	5.980	5.990	5.998	6.006	6.013	6.019	6.025	6.029	6.033

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)		
		414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444		
-6.00	A	123388	125665	127990	130364	132787	135257	137775	140341	142954	145613	148320	151073	153872	156717	159608	162545		
	B	5.883	5.898	5.913	5.926	5.939	5.951	5.962	5.972	5.982	5.990	5.998	6.006	6.012	6.018	6.023	6.027		
-5.75	A	122550	124821	127140	129508	131924	134389	136901	139460	142066	144720	147420	150166	152958	155797	158681	161611		
	B	5.874	5.889	5.904	5.918	5.930	5.942	5.954	5.964	5.974	5.983	5.991	5.998	6.005	6.011	6.016	6.020		
-5.50	A	121715	123979	126293	128654	131065	133523	136028	138581	141181	143828	146522	149261	152047	154879	157757	160680		
	B	5.865	5.880	5.895	5.909	5.922	5.934	5.945	5.956	5.966	5.975	5.983	5.991	5.998	6.004	6.009	6.013		
-5.25	A	120882	123140	125447	127803	130207	132659	135158	137705	140299	142939	145626	148360	151139	153964	156835	159752		
	B	5.856	5.871	5.886	5.900	5.913	5.926	5.937	5.948	5.958	5.967	5.976	5.984	5.991	5.997	6.002	6.007		
-5.00	A	120051	122303	124605	126954	129352	131798	134291	136831	139419	142053	144733	147460	150233	153052	155916	158826		
	B	5.847	5.862	5.877	5.891	5.905	5.917	5.929	5.940	5.950	5.960	5.968	5.976	5.983	5.990	5.995	6.000		
-4.75	A	119222	121469	123764	126108	128500	130939	133426	135960	138541	141169	143843	146563	149329	152141	154999	157902		
	B	5.837	5.853	5.868	5.883	5.896	5.909	5.921	5.932	5.942	5.952	5.961	5.969	5.976	5.983	5.988	5.993		
-4.50	A	118397	120637	122926	125264	127649	130083	132563	135091	137666	140287	142955	145668	148428	151234	154084	156981		
	B	5.828	5.844	5.859	5.874	5.887	5.900	5.913	5.924	5.934	5.944	5.953	5.961	5.969	5.976	5.982	5.987		
-4.25	A	117573	119807	122091	124422	126802	129229	131703	134225	136793	139408	142069	144776	147529	150328	153173	156062		
	B	5.819	5.835	5.850	5.865	5.879	5.892	5.904	5.916	5.926	5.936	5.946	5.954	5.962	5.969	5.975	5.980		
-4.00	A	116752	118980	121258	123583	125956	128377	130845	133361	135923	138531	141186	143887	146633	149425	152263	155146		
	B	5.809	5.826	5.841	5.856	5.870	5.883	5.896	5.908	5.918	5.929	5.938	5.947	5.954	5.961	5.968	5.973		
-3.75	A	115933	118156	120427	122746	125113	127528	129990	132499	135055	137657	140305	143000	145740	148525	151356	154232		
	B	5.800	5.817	5.832	5.847	5.861	5.875	5.888	5.899	5.910	5.921	5.930	5.939	5.947	5.954	5.961	5.966		
-3.50	A	115117	117333	119599	121912	124273	126682	129137	131640	134190	136785	139427	142115	144848	147627	150452	153321		
	B	5.791	5.807	5.823	5.838	5.853	5.866	5.879	5.891	5.902	5.913	5.923	5.932	5.940	5.947	5.954	5.959		
-3.25	A	114303	116513	118773	121080	123435	125837	128287	130784	133327	135916	138551	141233	143960	146732	149550	152412		
	B	5.781	5.798	5.814	5.830	5.844	5.858	5.871	5.883	5.894	5.905	5.915	5.924	5.932	5.940	5.947	5.953		
-3.00	A	113491	115696	117949	120250	122599	124996	127439	129929	132466	135049	137678	140353	143073	145839	148650	151506		
	B	5.772	5.789	5.805	5.821	5.835	5.849	5.862	5.875	5.886	5.897	5.907	5.916	5.925	5.933	5.940	5.946		
-2.75	A	112682	114881	117128	119423	121766	124157	126594	129078	131608	134185	136807	139476	142190	144949	147753	150602		
	B	5.762	5.780	5.796	5.812	5.826	5.841	5.854	5.866	5.878	5.889	5.899	5.909	5.917	5.925	5.932	5.939		
-2.50	A	111875	114068	116310	118599	120936	123320	125751	128229	130753	133323	135939	138601	141308	144061	146858	149701		
	B	5.753	5.770	5.787	5.803	5.818	5.832	5.845	5.858	5.870	5.881	5.892	5.901	5.910	5.918	5.925	5.932		
-2.25	A	111071	113258	115493	117777	120107	122485	124910	127382	129900	132464	135073	137729	140429	143175	145966	148802		
	B	5.743	5.761	5.778	5.794	5.809	5.823	5.837	5.850	5.862	5.873	5.884	5.894	5.903	5.911	5.918	5.925		

TEMP DEG C		DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															
		414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444
-2.00	A	110269	112450	114680	116957	119282	121653	124072	126537	129049	131607	134210	136859	139553	142293	145077	147906
	B	5.734	5.752	5.768	5.785	5.800	5.815	5.828	5.841	5.854	5.865	5.876	5.886	5.895	5.903	5.911	5.918
-1.75	A	109470	111645	113868	116140	118458	120824	123237	125696	128201	130752	133349	135992	138679	141412	144190	147012
	B	5.724	5.742	5.759	5.776	5.791	5.806	5.820	5.833	5.845	5.857	5.868	5.878	5.888	5.896	5.904	5.911
-1.50	A	108673	110842	113060	115325	117637	119997	122403	124856	127355	129900	132491	135127	137808	140534	143305	146121
	B	5.715	5.733	5.750	5.766	5.782	5.797	5.811	5.825	5.837	5.849	5.860	5.870	5.880	5.889	5.897	5.904
-1.25	A	107878	110042	112253	114512	116819	119172	121573	124019	126512	129051	131635	134264	136939	139659	142423	145232
	B	5.705	5.723	5.741	5.757	5.773	5.788	5.803	5.816	5.829	5.841	5.852	5.863	5.872	5.881	5.890	5.897
-1.00	A	107086	109243	111449	113702	116003	118350	120745	123185	125671	128204	130782	133405	136073	138786	141544	144346
	B	5.696	5.714	5.731	5.748	5.764	5.779	5.794	5.808	5.821	5.833	5.844	5.855	5.865	5.874	5.882	5.890
-0.75	A	106296	108448	110648	112895	115189	117531	119919	122353	124833	127359	129931	132547	135209	137916	140667	143462
	B	5.686	5.704	5.722	5.739	5.755	5.771	5.785	5.799	5.812	5.825	5.836	5.847	5.857	5.866	5.875	5.883
-0.50	A	105509	107655	109849	112090	114378	116714	119096	121524	123998	126517	129082	131692	134348	137048	139792	142581
	B	5.676	5.695	5.713	5.730	5.746	5.762	5.777	5.791	5.804	5.817	5.828	5.839	5.850	5.859	5.868	5.876
-0.25	A	104724	106864	109052	111287	113570	115899	118275	120697	123164	125678	128236	130840	133489	136182	138920	141702
	B	5.667	5.685	5.703	5.721	5.737	5.753	5.768	5.782	5.796	5.808	5.820	5.831	5.842	5.851	5.860	5.869
0.00	A	103941	106076	108258	110487	112764	115087	117456	119872	122334	124841	127393	129990	132633	135319	138051	140826
	B	5.657	5.676	5.694	5.711	5.728	5.744	5.759	5.774	5.787	5.800	5.812	5.824	5.834	5.844	5.853	5.861
0.25	A	103161	105290	107466	109690	111960	114277	116641	119050	121505	124006	126552	129143	131779	134459	137184	139953
	B	5.647	5.666	5.685	5.702	5.719	5.735	5.750	5.765	5.779	5.792	5.804	5.816	5.826	5.836	5.846	5.854
0.50	A	102384	104506	106677	108894	111159	113470	115827	118231	120680	123174	125714	128298	130927	133601	136319	139082
	B	5.637	5.657	5.675	5.693	5.710	5.726	5.742	5.756	5.770	5.784	5.796	5.808	5.819	5.829	5.838	5.847
0.75	A	101609	103726	105890	108102	110360	112665	115016	117414	119856	122345	124878	127456	130079	132746	135457	138213
	B	5.627	5.647	5.666	5.684	5.701	5.717	5.733	5.748	5.762	5.775	5.788	5.800	5.811	5.821	5.831	5.840
1.00	A	100836	102947	105106	107311	109564	111863	114208	116599	119036	121517	124044	126616	129232	131893	134598	137347
	B	5.618	5.637	5.656	5.674	5.692	5.708	5.724	5.739	5.753	5.767	5.780	5.792	5.803	5.814	5.823	5.832
1.25	A	100066	102171	104324	106524	108770	111063	113402	115787	118217	120693	123214	125779	128389	131043	133741	136483
	B	5.608	5.628	5.647	5.665	5.682	5.699	5.715	5.730	5.745	5.759	5.772	5.784	5.795	5.806	5.816	5.825
1.50	A	99298	101397	103544	105738	107979	110266	112599	114977	117402	119871	122385	124944	127547	130195	132887	135622
	B	5.598	5.618	5.637	5.656	5.673	5.690	5.706	5.722	5.736	5.750	5.763	5.776	5.787	5.798	5.808	5.818
1.75	A	98533	100626	102767	104955	107190	109471	111798	114170	116588	119051	121559	124112	126709	129350	132035	134764
	B	5.588	5.608	5.628	5.646	5.664	5.681	5.697	5.713	5.728	5.742	5.755	5.768	5.780	5.791	5.801	5.810

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444	
2.00 A	97770	99858	101993	104175	106404	108679	110999	113366	115778	118234	120736	123282	125873	128507	131186	133908	
B	5.578	5.598	5.618	5.637	5.655	5.672	5.689	5.704	5.719	5.734	5.747	5.760	5.772	5.783	5.793	5.803	
2.25 A	97009	99092	101221	103397	105620	107889	110204	112564	114969	117420	119915	122455	125039	127667	130339	133055	
B	5.568	5.589	5.608	5.627	5.645	5.663	5.680	5.696	5.711	5.725	5.739	5.752	5.764	5.775	5.786	5.796	
2.50 A	96251	98328	100451	102622	104839	107101	109410	111764	114164	116608	119097	121630	124208	126829	129495	132204	
B	5.558	5.579	5.599	5.618	5.636	5.654	5.671	5.687	5.702	5.717	5.730	5.744	5.756	5.767	5.778	5.788	
2.75 A	95496	97567	99684	101849	104060	106317	108619	110967	113360	115799	118281	120808	123379	125994	128653	131355	
B	5.548	5.569	5.589	5.608	5.627	5.645	5.662	5.678	5.693	5.708	5.722	5.735	5.748	5.760	5.771	5.781	
3.00 A	94743	96808	98920	101078	103283	105534	107831	110173	112560	114992	117468	119989	122553	125162	127814	130510	
B	5.538	5.559	5.579	5.599	5.617	5.635	5.653	5.669	5.685	5.700	5.714	5.727	5.740	5.752	5.763	5.773	
3.25 A	93992	96051	98158	100310	102509	104754	107045	109381	111762	114187	116657	119171	121730	124332	126977	129667	
B	5.528	5.549	5.570	5.589	5.608	5.626	5.644	5.660	5.676	5.691	5.705	5.719	5.732	5.744	5.755	5.766	
3.50 A	93244	95298	97398	99545	101738	103977	106262	108591	110966	113385	115849	118357	120909	123504	126143	128826	
B	5.518	5.539	5.560	5.580	5.599	5.617	5.634	5.651	5.667	5.683	5.697	5.711	5.724	5.736	5.748	5.758	
3.75 A	92499	94546	96641	98782	100969	103202	105481	107804	110173	112586	115043	117545	120090	122679	125312	127988	
B	5.508	5.529	5.550	5.570	5.589	5.608	5.625	5.642	5.659	5.674	5.689	5.703	5.716	5.728	5.740	5.751	
4.00 A	91755	93797	95886	98021	100203	102430	104702	107020	109382	111789	114240	116735	119274	121857	124483	127152	
B	5.498	5.519	5.540	5.560	5.580	5.598	5.616	5.633	5.650	5.665	5.680	5.694	5.708	5.720	5.732	5.743	
4.25 A	91015	93051	95134	97264	99439	101660	103926	106238	108594	110995	113440	115929	118461	121037	123657	126319	
B	5.488	5.510	5.531	5.551	5.570	5.589	5.607	5.624	5.641	5.657	5.672	5.686	5.700	5.712	5.724	5.736	
4.50 A	90277	92307	94384	96508	98678	100893	103153	105458	107809	110203	112642	115124	117650	120220	122833	125489	
B	5.478	5.500	5.521	5.541	5.561	5.580	5.598	5.615	5.632	5.648	5.663	5.678	5.691	5.704	5.717	5.728	
4.75 A	89541	91566	93637	95755	97919	100128	102382	104682	107026	109414	111846	114322	116842	119405	122012	124661	
B	5.467	5.489	5.511	5.531	5.551	5.570	5.589	5.606	5.623	5.639	5.655	5.669	5.683	5.696	5.709	5.720	
5.00 A	88808	90827	92893	95005	97162	99366	101614	103907	106245	108627	111053	113523	116036	118593	121193	123836	
B	5.457	5.479	5.501	5.522	5.542	5.561	5.580	5.597	5.614	5.631	5.646	5.661	5.675	5.688	5.701	5.713	
5.25 A	88077	90090	92150	94257	96408	98606	100848	103135	105467	107843	110263	112726	115233	117783	120377	123013	
B	5.447	5.469	5.491	5.512	5.532	5.552	5.570	5.588	5.606	5.622	5.638	5.653	5.667	5.680	5.693	5.705	
5.50 A	87349	89356	91411	93511	95657	97849	100085	102366	104692	107061	109475	111932	114433	116976	119563	122193	
B	5.437	5.459	5.481	5.502	5.523	5.542	5.561	5.579	5.597	5.613	5.629	5.644	5.659	5.672	5.685	5.697	
5.75 A	86623	88625	90674	92768	94908	97094	99324	101599	103919	106282	108690	111140	113635	116172	118752	121375	
B	5.426	5.449	5.471	5.492	5.513	5.533	5.552	5.570	5.588	5.604	5.621	5.636	5.650	5.664	5.677	5.690	

TEMP DEG C	DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															444
	414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	
6.00 A	85899	87896	89939	92028	94162	96342	98566	100835	103148	105506	107907	110351	112839	115370	117944	120560
6.00 B	5.416	5.439	5.461	5.483	5.503	5.523	5.542	5.561	5.579	5.596	5.612	5.627	5.642	5.656	5.669	5.682
6.25 A	85179	87170	89207	91290	93418	95592	97810	100073	102381	104732	107127	109565	112046	114571	117138	119748
6.25 B	5.406	5.429	5.451	5.473	5.494	5.514	5.533	5.552	5.570	5.587	5.603	5.619	5.634	5.648	5.661	5.674
6.50 A	84460	86446	88477	90554	92677	94845	97057	99314	101615	103960	106349	108781	111256	113774	116335	118938
6.50 B	5.395	5.419	5.441	5.463	5.484	5.504	5.524	5.543	5.561	5.578	5.595	5.610	5.626	5.640	5.653	5.666
6.75 A	83745	85724	87750	89821	91938	94100	96307	98558	100853	103192	105574	108000	110468	112980	115534	118130
6.75 B	5.385	5.408	5.431	5.453	5.474	5.495	5.514	5.533	5.552	5.569	5.586	5.602	5.617	5.632	5.645	5.659
7.00 A	83031	85005	87025	89091	91202	93358	95559	97804	100093	102425	104801	107221	109683	112188	114736	117326
7.00 B	5.375	5.398	5.421	5.443	5.464	5.485	5.505	5.524	5.543	5.560	5.577	5.593	5.609	5.623	5.637	5.651
7.25 A	82320	84289	86303	88363	90468	92619	94813	97052	99335	101661	104031	106444	108900	111399	113940	116523
7.25 B	5.364	5.388	5.411	5.433	5.455	5.476	5.496	5.515	5.533	5.551	5.568	5.585	5.600	5.615	5.629	5.643
7.50 A	81612	83575	85584	87638	89737	91882	94070	96303	98580	100900	103264	105671	108120	110612	113147	115724
7.50 B	5.354	5.378	5.401	5.423	5.445	5.466	5.486	5.506	5.524	5.542	5.560	5.576	5.592	5.607	5.621	5.635
7.75 A	80906	82863	84867	86915	89009	91147	93330	95557	97827	100142	102499	104900	107343	109829	112357	114927
7.75 B	5.343	5.367	5.391	5.413	5.435	5.456	5.477	5.496	5.515	5.533	5.551	5.568	5.583	5.599	5.613	5.627
8.00 A	80203	82155	84152	86195	88283	90415	92592	94813	97078	99386	101737	104131	106568	109047	111569	114133
8.00 B	5.333	5.357	5.380	5.403	5.425	5.447	5.467	5.487	5.506	5.524	5.542	5.559	5.575	5.590	5.605	5.619
8.25 A	79502	81448	83440	85477	87559	89686	91857	94072	96330	98632	100977	103365	105796	108269	110784	113341
8.25 B	5.322	5.347	5.370	5.393	5.415	5.437	5.458	5.478	5.497	5.515	5.533	5.550	5.567	5.582	5.597	5.611
8.50 A	78804	80744	82730	84762	86838	88959	91124	93333	95585	97881	100220	102602	105026	107492	110001	112552
8.50 B	5.312	5.336	5.360	5.383	5.406	5.427	5.448	5.468	5.488	5.506	5.524	5.541	5.558	5.574	5.589	5.603
8.75 A	78108	80043	82023	84049	86120	88235	90394	92597	94843	97133	99465	101841	104259	106719	109221	111765
8.75 B	5.301	5.326	5.350	5.373	5.396	5.417	5.438	5.459	5.478	5.497	5.515	5.533	5.549	5.565	5.581	5.595
9.00 A	77415	79344	81319	83339	85404	87513	89666	91863	94103	96387	98714	101083	103494	105948	108443	110981
9.00 B	5.290	5.315	5.340	5.363	5.386	5.408	5.429	5.449	5.469	5.488	5.506	5.524	5.541	5.557	5.572	5.587
9.25 A	76724	78648	80617	82631	84690	86794	88941	91132	93366	95644	97964	100327	102732	105179	107669	110200
9.25 B	5.280	5.305	5.329	5.353	5.376	5.398	5.419	5.440	5.460	5.479	5.498	5.515	5.532	5.549	5.564	5.579
9.50 A	76036	77954	79918	81926	83979	86077	88218	90403	92632	94903	97217	99574	101973	104414	106896	109421
9.50 B	5.269	5.294	5.319	5.343	5.366	5.388	5.410	5.430	5.451	5.470	5.489	5.506	5.524	5.540	5.556	5.571
9.75 A	75350	77263	79221	81224	83271	85363	87498	89678	91900	94165	96473	98823	101216	103650	106127	108644
9.75 B	5.258	5.284	5.309	5.332	5.356	5.378	5.400	5.421	5.441	5.461	5.480	5.498	5.515	5.532	5.547	5.563

TEMP DEG C	COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C										F=1/(A+DP*B) CUBIC METRE									
	414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444				
10.00 A	74667	76574	78527	80524	82565	84651	86781	88954	91170	93430	95731	98076	100462	102890	105360	107871				
B	5.248	5.273	5.298	5.322	5.346	5.368	5.390	5.411	5.432	5.452	5.471	5.489	5.506	5.523	5.539	5.555				
10.25 A	73986	75888	77835	79826	81862	83942	86066	88233	90444	92697	94992	97330	99710	102132	104595	107100				
B	5.237	5.263	5.288	5.312	5.336	5.358	5.380	5.402	5.422	5.442	5.461	5.480	5.498	5.515	5.531	5.546				
10.50 A	73308	75204	77146	79131	81162	83236	85354	87515	89719	91966	94256	96588	98961	101376	103833	106332				
B	5.226	5.252	5.277	5.302	5.325	5.348	5.371	5.392	5.413	5.433	5.452	5.471	5.489	5.506	5.522	5.538				
10.75 A	72633	74523	76459	78439	80464	82532	84644	86800	88998	91239	93522	95847	98215	100624	103074	105566				
B	5.216	5.242	5.267	5.291	5.315	5.339	5.361	5.383	5.404	5.424	5.443	5.462	5.480	5.497	5.514	5.530				
11.00 A	71960	73845	75775	77749	79768	81831	83937	86086	88279	90514	92791	95110	97471	99874	102317	104803				
B	5.205	5.231	5.256	5.281	5.305	5.329	5.351	5.373	5.394	5.415	5.434	5.453	5.471	5.489	5.506	5.522				
11.25 A	71289	73169	75093	77062	79075	81132	83233	85376	87562	89791	92062	94375	96730	99126	101563	104042				
B	5.194	5.220	5.246	5.271	5.295	5.319	5.341	5.363	5.385	5.405	5.425	5.444	5.463	5.480	5.497	5.513				
11.50 A	70621	72495	74414	76377	78385	80436	82531	84668	86848	89071	91336	93643	95991	98381	100812	103284				
B	5.183	5.210	5.235	5.261	5.285	5.309	5.331	5.354	5.375	5.396	5.416	5.435	5.454	5.472	5.489	5.505				
11.75 A	69956	71824	73738	75695	77697	79743	81831	83963	86137	88354	90613	92913	95255	97639	100063	102529				
B	5.172	5.199	5.225	5.250	5.275	5.298	5.322	5.344	5.366	5.387	5.407	5.426	5.445	5.463	5.480	5.497				
12.00 A	69293	71156	73064	75016	77012	79052	81134	83260	85428	87639	89892	92186	94522	96899	99317	101776				
B	5.161	5.188	5.214	5.240	5.264	5.288	5.312	5.334	5.356	5.377	5.397	5.417	5.436	5.454	5.472	5.488				
12.25 A	68632	70490	72392	74339	76329	78363	80440	82560	84722	86927	89173	91462	93791	96162	98574	101026				
B	5.150	5.177	5.204	5.229	5.254	5.278	5.302	5.324	5.346	5.368	5.388	5.408	5.427	5.446	5.463	5.480				
12.50 A	67975	69827	71724	73664	75649	77677	79749	81862	84019	86217	88458	90740	93063	95427	97833	100279				
B	5.139	5.167	5.193	5.219	5.244	5.268	5.292	5.315	5.337	5.358	5.379	5.399	5.418	5.437	5.455	5.472				
12.75 A	67319	69166	71057	72993	74972	76994	79059	81168	83318	85510	87745	90020	92337	94695	97094	99534				
B	5.128	5.156	5.182	5.208	5.234	5.258	5.282	5.305	5.327	5.349	5.370	5.390	5.409	5.428	5.446	5.463				
13.00 A	66667	68508	70394	72323	74297	76313	78373	80475	82620	84806	87034	89304	91615	93966	96359	98792				
B	5.117	5.145	5.172	5.198	5.223	5.248	5.272	5.295	5.318	5.339	5.360	5.381	5.400	5.419	5.437	5.455				
13.25 A	66017	67852	69733	71657	73624	75635	77689	79785	81924	84104	86326	88590	90894	93240	95626	98052				
B	5.106	5.134	5.161	5.187	5.213	5.238	5.262	5.285	5.308	5.330	5.351	5.372	5.391	5.410	5.429	5.446				
13.50 A	65369	67199	69074	70993	72955	74960	77008	79098	81231	83405	85621	87878	90177	92516	94895	97315				
B	5.095	5.123	5.150	5.177	5.203	5.228	5.252	5.275	5.298	5.320	5.342	5.362	5.382	5.402	5.420	5.438				
13.75 A	64724	66549	68418	70331	72288	74287	76329	78414	80540	82709	84919	87170	89462	91794	94168	96581				
B	5.084	5.112	5.140	5.166	5.192	5.217	5.242	5.265	5.288	5.311	5.332	5.353	5.373	5.393	5.411	5.429				

68

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C										F=1/(A+DP*B) CUBIC METRE					
	414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444
18.00 A	54151	55885	57662	59482	61343	63247	65191	67177	69204	71270	73377	75524	77711	79936	82201	84505
18.00 B	4.892	4.923	4.953	4.983	5.011	5.039	5.067	5.093	5.119	5.145	5.169	5.193	5.216	5.238	5.260	5.281
18.25 A	53553	55281	57053	58867	60723	62621	64560	66540	68560	70621	72722	74863	77043	79263	81521	83818
18.25 B	4.881	4.912	4.942	4.972	5.001	5.029	5.056	5.083	5.109	5.135	5.159	5.183	5.206	5.229	5.251	5.272
18.50 A	52957	54680	56446	58255	60105	61998	63931	65905	67920	69975	72070	74205	76379	78592	80844	83135
18.50 B	4.869	4.900	4.931	4.961	4.990	5.018	5.046	5.073	5.099	5.124	5.149	5.173	5.197	5.220	5.242	5.263
18.75 A	52363	54081	55842	57645	59490	61377	63305	65273	67282	69331	71420	73549	75717	77923	80169	82454
18.75 B	4.858	4.889	4.920	4.950	4.979	5.007	5.035	5.062	5.089	5.114	5.139	5.164	5.187	5.210	5.232	5.254
19.00 A	51772	53485	55241	57039	58878	60759	62681	64644	66647	68690	70773	72896	75057	77258	79497	81775
19.00 B	4.846	4.878	4.908	4.939	4.968	4.997	5.025	5.052	5.078	5.104	5.130	5.154	5.178	5.201	5.223	5.245
19.25 A	51184	52892	54642	56434	58268	60144	62060	64017	66014	68052	70129	72245	74401	76595	78828	81100
19.25 B	4.835	4.866	4.897	4.927	4.957	4.986	5.014	5.041	5.068	5.094	5.120	5.144	5.168	5.191	5.214	5.236
19.50 A	50599	52301	54046	55833	57661	59531	61442	63393	65385	67416	69487	71597	73747	75935	78161	80427
19.50 B	4.823	4.855	4.886	4.916	4.946	4.975	5.003	5.031	5.058	5.084	5.110	5.135	5.159	5.182	5.205	5.227
19.75 A	50016	51713	53452	55234	57057	58921	60826	62772	64757	66783	68848	70952	73095	75277	77498	79756
19.75 B	4.811	4.843	4.875	4.905	4.935	4.964	4.993	5.021	5.048	5.074	5.100	5.125	5.149	5.173	5.195	5.218
20.00 A	49435	51127	52861	54637	56455	58314	60213	62153	64133	66152	68211	70310	72447	74622	76836	79089
20.00 B	4.800	4.832	4.863	4.894	4.924	4.953	4.982	5.010	5.037	5.064	5.090	5.115	5.139	5.163	5.186	5.209
20.25 A	48857	50544	52273	54044	55856	57709	59603	61537	63511	65525	67578	69670	71801	73970	76178	78424
20.25 B	4.788	4.820	4.852	4.883	4.913	4.943	4.971	4.999	5.027	5.054	5.080	5.105	5.130	5.154	5.177	5.199
20.50 A	48282	49964	51687	53453	55259	57107	58995	60923	62892	64900	66947	69033	71157	73321	75522	77762
20.50 B	4.776	4.809	4.840	4.872	4.902	4.932	4.961	4.989	5.017	5.043	5.070	5.095	5.120	5.144	5.168	5.190
20.75 A	47710	49386	51104	52864	54665	56507	58390	60313	62275	64277	66318	68398	70517	72674	74869	77102
20.75 B	4.764	4.797	4.829	4.860	4.891	4.921	4.950	4.978	5.006	5.033	5.060	5.085	5.110	5.135	5.158	5.181
21.00 A	47140	48811	50524	52278	54074	55911	57788	59705	61661	63657	65693	67767	69879	72030	74219	76445
21.00 B	4.753	4.785	4.818	4.849	4.880	4.910	4.939	4.968	4.996	5.023	5.049	5.075	5.100	5.125	5.149	5.172
21.25 A	46572	48238	49946	51695	53485	55317	57188	59099	61050	63040	65070	67137	69244	71388	73571	75791
21.25 B	4.741	4.774	4.806	4.838	4.869	4.899	4.928	4.957	4.985	5.013	5.039	5.065	5.091	5.115	5.139	5.163
21.50 A	46008	47668	49371	51115	52900	54725	56591	58496	60442	62426	64449	66511	68611	70750	72926	75140
21.50 B	4.729	4.762	4.795	4.826	4.857	4.888	4.917	4.946	4.975	5.002	5.029	5.055	5.081	5.106	5.130	5.153
21.75 A	45445	47101	48798	50537	52316	54136	55996	57896	59836	61814	63832	65887	67982	70114	72284	74491
21.75 B	4.717	4.750	4.783	4.815	4.846	4.877	4.907	4.936	4.964	4.992	5.019	5.045	5.071	5.096	5.120	5.144

TEMP DEG C		DENSITY AT 15 DEGREES C										KILOGRAM PER CUBIC METRE									
		414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444				
22.00	A	44886	46536	48228	49962	51736	53550	55405	57299	59233	61205	63217	65267	67355	69481	71644	73845				
	B	4.705	4.739	4.772	4.804	4.835	4.866	4.896	4.925	4.954	4.982	5.009	5.035	5.061	5.086	5.111	5.135				
22.25	A	44329	45974	47661	49389	51158	52967	54816	56704	58632	60599	62604	64648	66730	68850	71007	73202				
	B	4.693	4.727	4.760	4.792	4.824	4.855	4.885	4.914	4.943	4.971	4.999	5.025	5.051	5.077	5.101	5.125				
22.50	A	43775	45415	47097	48819	50582	52386	54229	56112	58034	59995	61995	64033	66108	68222	70373	72562				
	B	4.681	4.715	4.748	4.781	4.813	4.844	4.874	4.904	4.933	4.961	4.988	5.015	5.041	5.067	5.092	5.116				
22.75	A	43223	44858	46535	48252	50010	51808	53646	55523	57439	59394	61388	63420	65490	67597	69742	71924				
	B	4.670	4.703	4.737	4.769	4.801	4.832	4.863	4.893	4.922	4.950	4.978	5.005	5.032	5.057	5.082	5.107				
23.00	A	42675	44304	45975	47687	49440	51232	53065	54936	56847	58796	60784	62810	64873	66974	69113	71289				
	B	4.658	4.692	4.725	4.758	4.790	4.821	4.852	4.882	4.911	4.940	4.968	4.995	5.022	5.047	5.073	5.097				
23.25	A	42128	43753	45419	47125	48872	50659	52486	54352	56257	58201	60182	62202	64260	66355	68487	70656				
	B	4.646	4.680	4.713	4.746	4.779	4.810	4.841	4.871	4.901	4.929	4.958	4.985	5.012	5.038	5.063	5.088				
23.50	A	41585	43204	44865	46566	48308	50089	51911	53771	55670	57608	59584	61597	63649	65738	67864	70027				
	B	4.634	4.668	4.702	4.735	4.767	4.799	4.830	4.860	4.890	4.919	4.947	4.975	5.002	5.028	5.053	5.078				
23.75	A	41044	42658	44313	46009	47746	49522	51338	53192	55086	57018	58988	60995	63041	65123	67243	69400				
	B	4.621	4.656	4.690	4.723	4.756	4.788	4.819	4.849	4.879	4.908	4.937	4.965	4.992	5.018	5.044	5.069				
24.00	A	40505	42115	43765	45456	47186	48957	50767	52616	54504	56430	58394	60396	62435	64512	66625	68776				
	B	4.609	4.644	4.678	4.712	4.744	4.776	4.808	4.839	4.869	4.898	4.926	4.954	4.982	5.008	5.034	5.059				
24.25	A	39970	41574	43219	44904	46630	48395	50200	52043	53925	55845	57804	59799	61833	63903	66010	68154				
	B	4.597	4.632	4.667	4.700	4.733	4.765	4.797	4.828	4.858	4.887	4.916	4.944	4.972	4.998	5.024	5.050				
24.50	A	39437	41036	42675	44356	46076	47836	49635	51473	53349	55263	57216	59206	61233	63297	65398	67535				
	B	4.585	4.620	4.655	4.688	4.722	4.754	4.786	4.817	4.847	4.877	4.906	4.934	4.961	4.988	5.015	5.040				
24.75	A	38906	40500	42135	43810	45525	47279	49073	50905	52775	54684	56631	58614	60635	62693	64788	66919				
	B	4.573	4.608	4.643	4.677	4.710	4.743	4.774	4.806	4.836	4.866	4.895	4.924	4.951	4.978	5.005	5.031				
25.00	A	38378	39967	41597	43267	44976	46725	48513	50340	52205	54107	56048	58026	60041	62093	64181	66306				
	B	4.561	4.596	4.631	4.665	4.699	4.731	4.763	4.795	4.825	4.855	4.885	4.913	4.941	4.968	4.995	5.021				
25.25	A	37853	39437	41061	42726	44430	46174	47956	49777	51636	53534	55468	57440	59449	61495	63577	65696				
	B	4.549	4.584	4.619	4.653	4.687	4.720	4.752	4.784	4.814	4.845	4.874	4.903	4.931	4.958	4.985	5.011				
25.50	A	37331	38910	40529	42188	43887	45625	47402	49218	51071	52962	54891	56857	58860	60900	62976	65088				
	B	4.536	4.572	4.607	4.642	4.675	4.709	4.741	4.773	4.804	4.834	4.864	4.893	4.921	4.948	4.975	5.002				
25.75	A	36811	38385	39999	41653	43346	45079	46851	48661	50508	52394	54317	56277	58274	60307	62377	64483				
	B	4.524	4.560	4.595	4.630	4.664	4.697	4.730	4.762	4.793	4.823	4.853	4.882	4.911	4.938	4.966	4.992				

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444	
26.00 A	36294	37863	39472	41120	42809	44536	46302	48106	49948	51828	53745	55699	57690	59717	61781	63880	
26.00 B	4.512	4.548	4.583	4.618	4.652	4.686	4.718	4.750	4.782	4.812	4.842	4.872	4.900	4.928	4.956	4.982	
26.25 A	35780	37343	38947	40591	42274	43995	45756	47555	49391	51265	53176	55125	57109	59130	61188	63281	
26.25 B	4.500	4.536	4.572	4.606	4.641	4.674	4.707	4.739	4.771	4.802	4.832	4.861	4.890	4.918	4.946	4.972	
26.50 A	35268	36826	38425	40063	41741	43458	45213	47006	48837	50705	52610	54552	56531	58546	60597	62684	
26.50 B	4.487	4.524	4.560	4.595	4.629	4.663	4.696	4.728	4.760	4.791	4.821	4.851	4.880	4.908	4.936	4.963	
26.75 A	34759	36312	37906	39539	41211	42923	44672	46460	48285	50147	52047	53983	55956	57965	60010	62090	
26.75 B	4.475	4.512	4.548	4.583	4.617	4.651	4.684	4.717	4.749	4.780	4.811	4.840	4.870	4.898	4.926	4.953	
27.00 A	34252	35801	37389	39017	40684	42390	44134	45916	47736	49593	51486	53417	55383	57386	59425	61499	
27.00 B	4.463	4.499	4.535	4.571	4.606	4.640	4.673	4.706	4.738	4.769	4.800	4.830	4.859	4.888	4.916	4.943	
27.25 A	33749	35292	36875	38498	40160	41860	43599	45375	47189	49040	50928	52853	54813	56810	58842	60910	
27.25 B	4.450	4.487	4.523	4.559	4.594	4.628	4.662	4.695	4.727	4.758	4.789	4.819	4.849	4.878	4.906	4.933	
27.50 A	33248	34786	36364	37982	39638	41333	43067	44837	46646	48491	50373	52292	54246	56237	58263	60324	
27.50 B	4.438	4.475	4.511	4.547	4.582	4.617	4.650	4.683	4.716	4.747	4.778	4.809	4.838	4.867	4.896	4.923	
27.75 A	32749	34283	35856	37468	39119	40809	42537	44302	46105	47944	49821	51733	53682	55666	57686	59741	
27.75 B	4.425	4.463	4.499	4.535	4.570	4.605	4.639	4.672	4.705	4.736	4.768	4.798	4.828	4.857	4.886	4.914	
28.00 A	32253	33782	35350	36957	38603	40288	42010	43770	45567	47401	49271	51178	53120	55098	57112	59161	
28.00 B	4.413	4.450	4.487	4.523	4.559	4.593	4.627	4.661	4.693	4.726	4.757	4.788	4.818	4.847	4.876	4.904	
28.25 A	31760	33284	34847	36449	38090	39769	41486	43240	45031	46859	48724	50625	52561	54533	56541	58584	
28.25 B	4.400	4.438	4.475	4.511	4.547	4.582	4.616	4.649	4.682	4.715	4.746	4.777	4.807	4.837	4.866	4.894	
28.50 A	31270	32789	34347	35943	37579	39253	40964	42713	44499	46321	48180	50075	52005	53971	55973	58009	
28.50 B	4.388	4.426	4.463	4.499	4.535	4.570	4.604	4.638	4.671	4.704	4.735	4.766	4.797	4.826	4.855	4.884	
28.75 A	30782	32296	33849	35441	37071	38739	40445	42188	43969	45785	47638	49527	51452	53412	55407	57437	
28.75 B	4.375	4.413	4.451	4.487	4.523	4.558	4.593	4.627	4.660	4.693	4.724	4.756	4.786	4.816	4.845	4.874	
29.00 A	30297	31806	33354	34941	36566	38229	39929	41667	43441	45252	47100	48983	50901	52855	54844	56868	
29.00 B	4.363	4.401	4.438	4.475	4.511	4.547	4.581	4.615	4.649	4.681	4.714	4.745	4.776	4.806	4.835	4.864	
29.25 A	29815	31319	32862	34443	36063	37721	39416	41148	42917	44722	46564	48441	50353	52301	54284	56301	
29.25 B	4.350	4.388	4.426	4.463	4.499	4.535	4.570	4.604	4.638	4.670	4.703	4.734	4.765	4.795	4.825	4.854	
29.50 A	29336	30834	32372	33948	35563	37215	38905	40632	42395	44195	46030	47902	49808	51750	53726	55738	
29.50 B	4.338	4.376	4.414	4.451	4.487	4.523	4.558	4.593	4.626	4.659	4.692	4.723	4.755	4.785	4.815	4.844	
29.75 A	28859	30352	31885	33456	35066	36713	38397	40118	41876	43670	45500	47365	49266	51202	53172	55177	
29.75 B	4.325	4.364	4.401	4.439	4.475	4.511	4.546	4.581	4.615	4.648	4.681	4.713	4.744	4.774	4.804	4.834	

TEMP DEG C	DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															
	414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444
30.00 A	28385	29873	31401	32967	34571	36213	37892	39608	41360	43148	44972	46832	48726	50656	52620	54619
B	4.312	4.351	4.389	4.427	4.463	4.499	4.535	4.570	4.604	4.637	4.670	4.702	4.733	4.764	4.794	4.824
30.25 A	27913	29397	30920	32481	34080	35716	37390	39100	40847	42629	44447	46301	48190	50113	52071	54063
B	4.300	4.339	4.377	4.414	4.451	4.488	4.523	4.558	4.592	4.626	4.659	4.691	4.723	4.754	4.784	4.813
30.50 A	27444	28923	30441	31997	33591	35222	36890	38595	40336	42113	43925	45773	47656	49573	51525	53511
B	4.287	4.326	4.364	4.402	4.439	4.476	4.511	4.547	4.581	4.615	4.648	4.680	4.712	4.743	4.773	4.803
30.75 A	26978	28452	29965	31516	33104	34730	36393	38092	39828	41599	43406	45248	47124	49036	50981	52961
B	4.274	4.313	4.352	4.390	4.427	4.464	4.500	4.535	4.570	4.603	4.637	4.669	4.701	4.733	4.763	4.793
31.00 A	26515	27984	29492	31037	32621	34242	35899	37593	39323	41088	42889	44725	46596	48501	50441	52414
B	4.261	4.301	4.340	4.378	4.415	4.452	4.488	4.523	4.558	4.592	4.626	4.658	4.691	4.722	4.753	4.783
31.25 A	26054	27518	29021	30562	32140	33755	35408	37096	38820	40580	42375	44205	46070	47969	49903	51870
B	4.249	4.288	4.327	4.365	4.403	4.440	4.476	4.512	4.547	4.581	4.615	4.647	4.680	4.711	4.742	4.773
31.50 A	25596	27056	28553	30089	31662	33272	34919	36602	38321	40075	41864	43688	45547	47440	49368	51329
B	4.236	4.276	4.315	4.353	4.391	4.428	4.464	4.500	4.535	4.570	4.603	4.637	4.669	4.701	4.732	4.762
31.75 A	25141	26595	28088	29619	31187	32792	34433	36110	37824	39572	41356	43174	45027	46914	48835	50790
B	4.223	4.263	4.302	4.341	4.379	4.416	4.453	4.488	4.524	4.558	4.592	4.626	4.658	4.690	4.721	4.752
32.00 A	24688	26138	27626	29151	30714	32314	33950	35622	37330	39072	40850	42663	44510	46391	48306	50254
B	4.210	4.250	4.290	4.328	4.366	4.404	4.441	4.477	4.512	4.547	4.581	4.615	4.647	4.680	4.711	4.742
32.25 A	24239	25683	27166	28687	30244	31839	33469	35136	36838	38575	40348	42154	43995	45870	47779	49721
B	4.197	4.238	4.277	4.316	4.354	4.392	4.429	4.465	4.501	4.536	4.570	4.604	4.637	4.669	4.700	4.731
32.50 A	23791	25231	26709	28225	29777	31366	32992	34653	36350	38081	39848	41649	43484	45353	47255	49191
B	4.184	4.225	4.265	4.304	4.342	4.380	4.417	4.453	4.489	4.524	4.559	4.592	4.626	4.658	4.690	4.721
32.75 A	23347	24782	26255	27766	29313	30897	32517	34173	35864	37590	39350	41146	42975	44838	46734	48664
B	4.171	4.212	4.252	4.291	4.330	4.368	4.405	4.442	4.478	4.513	4.547	4.581	4.615	4.647	4.679	4.711
33.00 A	22905	24336	25804	27309	28851	30430	32045	33695	35381	37101	38856	40645	42469	44325	46216	48139
B	4.159	4.199	4.239	4.279	4.317	4.356	4.393	4.430	4.466	4.501	4.536	4.570	4.604	4.637	4.669	4.700
33.25 A	22467	23892	25355	26855	28393	29966	31575	33220	34900	36615	38364	40148	41965	43816	45700	47618
B	4.146	4.186	4.227	4.266	4.305	4.343	4.381	4.418	4.454	4.490	4.525	4.559	4.593	4.626	4.658	4.690
33.50 A	22030	23451	24909	26405	27937	29505	31109	32748	34423	36132	37876	39653	41465	43309	45188	47099
B	4.133	4.174	4.214	4.254	4.293	4.331	4.369	4.406	4.443	4.478	4.514	4.548	4.582	4.615	4.648	4.679
33.75 A	21597	23013	24466	25956	27483	29046	30645	32279	33948	35652	37390	39161	40967	42806	44678	46583
B	4.120	4.161	4.201	4.241	4.280	4.319	4.357	4.394	4.431	4.467	4.502	4.537	4.571	4.604	4.637	4.669

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C										F=1/(A+DP*B) CUBIC METRE	
	414	416	418	420	422	424	426	428	430	432	434	436
34.00 A	21166	22577	24026	25511	27033	28591	30184	31813	33476	35174	36906	38672
34.00 B	4.106	4.148	4.189	4.229	4.268	4.307	4.345	4.382	4.419	4.455	4.491	4.526
34.25 A	20738	22144	23588	25068	26585	28138	29726	31349	33007	34700	36426	38186
34.25 B	4.093	4.135	4.176	4.216	4.256	4.295	4.333	4.371	4.407	4.444	4.479	4.514
34.50 A	20313	21714	23153	24628	26140	27687	29270	30888	32541	34228	35948	37703
34.50 B	4.080	4.122	4.163	4.203	4.243	4.282	4.321	4.359	4.396	4.432	4.468	4.503
34.75 A	19890	21287	22721	24191	25698	27240	28818	30430	32077	33758	35474	37222
34.75 B	4.067	4.109	4.150	4.191	4.231	4.270	4.309	4.347	4.384	4.421	4.457	4.492
35.00 A	19471	20862	22291	23757	25258	26795	28368	29975	31616	33292	35002	36744
35.00 B	4.054	4.096	4.137	4.178	4.218	4.258	4.297	4.335	4.372	4.409	4.445	4.481
35.25 A	20441	21865	23325	24822	26354	27921	29522	31159	32829	34532	36269	38039
35.25 B	4.083	4.125	4.166	4.206	4.245	4.284	4.323	4.360	4.397	4.434	4.469	4.504
35.50 A	20022	21441	22896	24388	25914	27476	29073	30703	32368	34066	35797	37561
35.50 B	4.070	4.112	4.153	4.193	4.233	4.272	4.311	4.348	4.386	4.422	4.458	4.493
35.75 A	19605	21020	22470	23957	25478	27035	28626	30251	31910	33602	35328	37086
35.75 B	4.057	4.099	4.140	4.181	4.221	4.260	4.299	4.337	4.374	4.411	4.447	4.482
36.00 A	20601	22047	23528	25045	26596	28182	29801	31455	33142	34861	36614	38398
36.00 B	4.086	4.127	4.168	4.208	4.248	4.287	4.325	4.362	4.399	4.435	4.471	4.506
36.25 A	20186	21626	23103	24614	26160	27740	29355	31003	32684	34397	36144	37923
36.25 B	4.073	4.115	4.156	4.196	4.235	4.274	4.313	4.350	4.387	4.424	4.460	4.495
36.50 A	21209	22680	24186	25727	27302	28911	30553	32228	33937	35677	37450	39255
36.50 B	4.102	4.143	4.183	4.223	4.262	4.301	4.339	4.376	4.412	4.448	4.484	4.518
36.75 A	20794	22260	23761	25297	26866	28470	30106	31776	33478	35213	36980	38779
36.75 B	4.089	4.130	4.171	4.211	4.250	4.289	4.327	4.364	4.401	4.437	4.473	4.507
37.00 A	20381	21843	23339	24869	26433	28031	29662	31327	33023	34752	36513	38306
37.00 B	4.076	4.118	4.158	4.198	4.238	4.277	4.315	4.353	4.389	4.426	4.461	4.496
37.25 A	21428	22919	24444	26003	27596	29221	30880	32571	34294	36049	37835	39653
37.25 B	4.105	4.146	4.186	4.226	4.265	4.303	4.341	4.378	4.414	4.450	4.485	4.520
37.50 A	21016	22502	24022	25576	27163	28783	30436	32121	33838	35587	37368	39180
37.50 B	4.092	4.133	4.174	4.214	4.253	4.291	4.329	4.366	4.403	4.439	4.474	4.509
37.75 A	20608	22088	23603	25151	26733	28348	29995	31674	33386	35129	36903	38709
37.75 B	4.079	4.121	4.161	4.201	4.241	4.279	4.317	4.355	4.392	4.428	4.463	4.498

	414	416	418	420	DENSITY AT 15 DEGREES C	KILOGRAM PER CUBIC METRE	432	434	436	438	440	442
A	21677	23187	24730	26306	27915	29557	31230	32936	34673	36441		
B	4.108	4.149	4.189	4.229	4.267	4.306	4.343	4.380	4.417	4.452		
A	21269	22773	24311	25882	27485	29121	30789	32489	34220	35982		
B	4.095	4.136	4.177	4.216	4.255	4.294	4.332	4.369	4.405	4.441		
A	20863	22362	23895	25460	27059	28689	30351	32045	33770	35526		
B	4.083	4.124	4.164	4.204	4.244	4.282	4.320	4.357	4.394	4.430		
A	21955	23482	25042	26634	28259	29916	31604	33323	35073			
B	4.111	4.152	4.192	4.232	4.270	4.308	4.346	4.383	4.419			
A	21549	23071	24626	26213	27832	29483	31165	32878	34623			
B	4.099	4.140	4.180	4.219	4.258	4.297	4.334	4.371	4.408			
A	22664	24213	25795	27408	29053	30730	32437	34175				
B	4.127	4.168	4.207	4.247	4.285	4.323	4.360	4.397				
A	22259	23803	25379	26987	28626	30297	31998	33730				
B	4.115	4.155	4.195	4.235	4.273	4.311	4.349	4.385				
A	21857	23396	24966	26569	28202	29867	31562	33288				
B	4.102	4.143	4.183	4.223	4.262	4.300	4.337	4.374				
A	22991	24557	26153	27781	29440	31130	32850					
B	4.131	4.171	4.211	4.250	4.288	4.326	4.363					
A	22590	24149	25741	27363	29016	30699	32413					
B	4.119	4.159	4.199	4.238	4.276	4.314	4.352					
A	22191	23745	25331	26947	28595	30272	31980					
B	4.106	4.147	4.187	4.226	4.265	4.303	4.340					
A	23344	24924	26535	28176	29848	31550						
B	4.135	4.175	4.214	4.253	4.291	4.329						
A	22945	24520	26125	27761	29426	31122						
B	4.122	4.163	4.202	4.241	4.280	4.318						
A	22550	24119	25718	27348	29008	30698						
B	4.110	4.151	4.190	4.230	4.268	4.306						
A	23720	25314	26938	28592	30276							
B	4.139	4.179	4.218	4.257	4.295							
A	23325	24913	26531	28179	29857							
B	4.126	4.167	4.206	4.245	4.283							

TEMP DEG C	COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+DP*B)					
	414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444
42.00 A											22932	24515	26127	27769	29441	31142
B											4.114	4.155	4.194	4.233	4.272	4.310
42.25 A											24119	25726	27362	29028	30723	32428
B											4.143	4.183	4.222	4.260	4.299	4.338
42.50 A											23727	25328	26958	28618	30307	31987
B											4.131	4.171	4.210	4.249	4.287	4.326
42.75 A											23337	24932	26557	28210	29893	31576
B											4.119	4.159	4.198	4.237	4.276	4.315
43.00 A											24540	26158	27806	29483	31166	32851
B											4.147	4.187	4.226	4.264	4.303	4.342
43.25 A											24150	25763	27404	29075	30746	32417
B											4.135	4.175	4.214	4.253	4.292	4.331
43.50 A											23763	25370	27006	28670	30334	32000
B											4.123	4.163	4.203	4.242	4.281	4.320
43.75 A											24980	26610	28268	30000	31716	33428
B											4.151	4.191	4.230	4.269	4.308	4.347
44.00 A											24593	26217	27869	29590	31300	33008
B											4.140	4.179	4.219	4.258	4.297	4.336
44.25 A											24209	25827	27473	29146	30807	32468
B											4.128	4.168	4.207	4.246	4.285	4.324
44.50 A											25440	27080	28740	30420	32100	33780
B											4.156	4.196	4.235	4.274	4.313	4.352
44.75 A											25056	26690	28340	30010	31680	33350
B											4.144	4.184	4.223	4.262	4.301	4.340
45.00 A											24675	26303	27940	29590	31240	32890
B											4.133	4.173	4.212	4.251	4.290	4.329
45.25 A											25918	27560	29220	30890	32560	34230
B											4.161	4.201	4.240	4.279	4.318	4.357
45.50 A											25537	27180	28840	30510	32180	33850
B											4.149	4.189	4.228	4.267	4.306	4.345
45.75 A											25158	26800	28460	30130	31800	33470
B											4.138	4.178	4.217	4.256	4.295	4.334

NOTE: FOR 414.0 TO 444.0 HIGHER TEMPERATURES ARE ABOVE THE NEAR CRITICAL LIMIT

TEMP DEG C		COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+UP*B)									
		446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476	478	480	482	484
-46.00	A	346357	350524	354742	359011	363331	367702	372124	376597	381120	385694	390319	394995	399721	404606	411759	416664	421539	426384	431199	435974
	B	6.744	6.718	6.691	6.664	6.635	6.605	6.575	6.544	6.511	6.478	6.444	6.409	6.373	6.338	6.280	6.241	6.200	6.158	6.115	6.072
-45.75	A	345048	349208	353419	357680	361993	366357	370771	375236	379752	384319	388936	393604	398323	403096	407921	412796	417621	422496	427321	432146
	B	6.742	6.716	6.689	6.662	6.633	6.604	6.574	6.542	6.510	6.477	6.444	6.409	6.373	6.338	6.280	6.241	6.200	6.158	6.115	6.072
-45.50	A	343742	347894	352098	356352	360657	365013	369420	373878	378386	382945	387555	392216	396927	401688	406499	411260	416021	420782	425543	430304
	B	6.739	6.713	6.687	6.660	6.631	6.602	6.572	6.541	6.509	6.476	6.443	6.408	6.373	6.338	6.280	6.241	6.200	6.158	6.115	6.072
-45.25	A	342438	346583	350779	355026	359323	363672	368072	372522	377023	381574	386177	390830	395533	400284	405035	409786	414537	419288	424039	428790
	B	6.736	6.711	6.685	6.658	6.630	6.601	6.571	6.540	6.508	6.476	6.442	6.408	6.372	6.337	6.280	6.242	6.200	6.158	6.115	6.072
-45.00	A	341136	345273	349462	353701	357992	362333	366725	371168	375661	380205	384800	389446	394142	398881	403621	408361	413101	417841	422581	427321
	B	6.734	6.709	6.683	6.656	6.628	6.599	6.569	6.539	6.507	6.475	6.441	6.407	6.372	6.337	6.280	6.242	6.200	6.158	6.115	6.072
-44.75	A	339836	343966	348147	352379	356662	360996	365381	369816	374302	378839	383426	388064	392752	397481	402210	406939	411668	416397	421126	425855
	B	6.731	6.706	6.680	6.653	6.626	6.597	6.568	6.537	6.506	6.474	6.440	6.406	6.371	6.337	6.280	6.242	6.200	6.158	6.115	6.072
-44.50	A	338538	342661	346835	351059	355335	359661	364038	368466	372945	377474	382054	386684	391365	396046	400727	405408	410089	414770	419451	424132
	B	6.729	6.704	6.678	6.651	6.624	6.595	6.566	6.536	6.505	6.473	6.440	6.406	6.371	6.337	6.280	6.242	6.200	6.158	6.115	6.072
-44.25	A	337242	341358	345524	349742	354010	358329	362698	367119	371590	376111	380684	385307	389980	394703	399426	404149	408872	413595	418318	423041
	B	6.726	6.701	6.676	6.649	6.622	6.594	6.564	6.534	6.503	6.472	6.439	6.405	6.371	6.337	6.280	6.242	6.200	6.158	6.115	6.072
-44.00	A	335949	340057	344216	348426	352687	356998	361361	365773	370237	374751	379316	383931	388597	393312	397977	402642	407307	411972	416637	421302
	B	6.723	6.699	6.673	6.647	6.620	6.592	6.563	6.533	6.502	6.470	6.438	6.404	6.370	6.337	6.280	6.243	6.200	6.158	6.115	6.072
-43.75	A	334657	338758	342910	347112	351366	355670	360025	364430	368886	373393	377950	382558	387216	391924	396632	401340	406048	410756	415464	420172
	B	6.720	6.696	6.671	6.645	6.618	6.590	6.561	6.531	6.501	6.469	6.437	6.404	6.369	6.336	6.280	6.243	6.200	6.158	6.115	6.072
-43.50	A	333368	337462	341606	345801	350047	354344	358691	363089	367538	372037	376587	381187	385838	390489	395140	399791	404442	409093	413744	418395
	B	6.718	6.694	6.669	6.643	6.616	6.588	6.560	6.530	6.500	6.468	6.436	6.403	6.369	6.336	6.280	6.243	6.200	6.158	6.115	6.072
-43.25	A	332081	336167	340304	344492	348731	353020	357360	361750	366191	370683	375225	379818	384461	389152	393843	398534	403225	407916	412607	417298
	B	6.715	6.691	6.666	6.640	6.614	6.586	6.558	6.529	6.498	6.467	6.435	6.402	6.368	6.336	6.280	6.243	6.200	6.158	6.115	6.072
-43.00	A	330796	334875	339005	343185	347416	351698	356031	360414	364847	369331	373866	378451	383087	387724	392361	396998	401635	406272	410909	415546
	B	6.712	6.688	6.664	6.638	6.612	6.584	6.556	6.527	6.497	6.466	6.434	6.401	6.368	6.336	6.280	6.243	6.200	6.158	6.115	6.072
-42.75	A	329513	333585	337707	341880	346104	350378	354703	359079	363505	367982	372509	377087	381715	386343	390971	395599	400227	404855	409483	414111
	B	6.709	6.686	6.661	6.636	6.610	6.582	6.554	6.525	6.496	6.465	6.433	6.401	6.367	6.335	6.279	6.243	6.200	6.158	6.115	6.072
-42.50	A	328233	332297	336412	340577	344794	349061	353379	357747	362165	366635	371154	375725	380345	384965	389585	394205	398825	403445	408065	412685
	B	6.707	6.683	6.659	6.634	6.608	6.581	6.553	6.524	6.494	6.464	6.432	6.400	6.366	6.335	6.279	6.243	6.200	6.158	6.115	6.072
-42.25	A	326954	331011	335119	339277	343486	347746	352056	356417	360828	365290	369802	374364	378978	383592	388206	392820	397434	402048	406662	411276
	B	6.704	6.680	6.656	6.631	6.605	6.579	6.551	6.522	6.493	6.462	6.431	6.399	6.366	6.334	6.279	6.243	6.200	6.158	6.115	6.072

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C										F=1/(A+DP*B) CUBIC METRE									
		446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476				
-42.00	A	325678	329727	333828	337979	342180	346433	350735	355089	359492	363947	368451	373006	377612	384615	389347	394130				
	B	6.701	6.678	6.654	6.629	6.603	6.577	6.549	6.521	6.491	6.461	6.430	6.398	6.365	6.314	6.279	6.243				
-41.75	A	324404	328446	332539	336682	340877	345122	349417	353763	358159	362606	367103	371651	376249	383241	387965	392740				
	B	6.698	6.675	6.651	6.627	6.601	6.575	6.547	6.519	6.490	6.460	6.429	6.397	6.364	6.314	6.279	6.243				
-41.50	A	323132	327167	331252	335388	339575	343813	348101	352439	356828	361267	365757	370297	374888	381868	386585	391353				
	B	6.695	6.672	6.649	6.624	6.599	6.573	6.545	6.517	6.488	6.458	6.428	6.396	6.364	6.313	6.278	6.243				
-41.25	A	321862	325889	329968	334097	338276	342506	346787	351118	355499	359931	364413	368946	373529	380498	385207	389967				
	B	6.692	6.669	6.646	6.622	6.597	6.570	6.543	6.516	6.487	6.457	6.427	6.395	6.363	6.313	6.278	6.243				
-41.00	A	320594	324615	328685	332807	336979	341202	345475	349798	354172	358597	363071	367596	372172	379130	383832	388584				
	B	6.689	6.667	6.643	6.619	6.594	6.568	6.542	6.514	6.485	6.456	6.425	6.394	6.362	6.312	6.278	6.242				
-40.75	A	319329	323342	327405	331520	335684	339900	344165	348481	352848	357265	361732	366249	370817	377764	382458	387203				
	B	6.686	6.664	6.641	6.617	6.592	6.566	6.540	6.512	6.484	6.454	6.424	6.393	6.361	6.312	6.277	6.242				
-40.50	A	318066	322071	326127	330234	334392	338600	342858	347166	351525	355935	360395	364905	369465	376400	381087	385824				
	B	6.683	6.661	6.638	6.614	6.590	6.564	6.538	6.510	6.482	6.453	6.423	6.392	6.360	6.311	6.277	6.242				
-40.25	A	316804	320803	324852	328951	333101	337302	341553	345854	350205	354607	359059	363562	368115	375039	379718	384447				
	B	6.680	6.658	6.635	6.612	6.587	6.562	6.536	6.509	6.481	6.452	6.422	6.391	6.359	6.310	6.277	6.242				
-40.00	A	315545	319536	323578	327670	331813	336006	340249	344543	348887	353282	357727	362222	366767	373679	378351	383073				
	B	6.677	6.655	6.633	6.609	6.585	6.560	6.534	6.507	6.479	6.450	6.420	6.390	6.359	6.310	6.276	6.242				
-39.75	A	314289	318272	322307	326392	330527	334713	338949	343235	347572	351959	356396	360883	365421	372322	376986	381700				
	B	6.674	6.652	6.630	6.607	6.583	6.558	6.532	6.505	6.477	6.449	6.419	6.389	6.358	6.309	6.276	6.241				
-39.50	A	313034	317010	321037	325115	329243	333421	337650	341929	346258	350638	355067	359547	364078	370967	375624	380330				
	B	6.671	6.649	6.627	6.604	6.580	6.555	6.530	6.503	6.476	6.447	6.418	6.388	6.357	6.308	6.275	6.241				
-39.25	A	311782	315751	319770	323841	327961	332132	336353	340625	344947	349319	353741	358213	362736	369615	374263	378962				
	B	6.667	6.646	6.624	6.601	6.578	6.553	6.528	6.501	6.474	6.446	6.417	6.387	6.356	6.308	6.275	6.241				
-39.00	A	310531	314493	318506	322568	326682	330845	335059	339323	343638	348002	352417	356882	361397	368264	372905	377597				
	B	6.664	6.643	6.622	6.599	6.575	6.551	6.525	6.499	6.472	6.444	6.415	6.385	6.355	6.307	6.274	6.240				
-38.75	A	309283	313238	317243	321298	325404	329561	333767	338024	342331	346688	351095	355552	360060	366916	371549	376233				
	B	6.661	6.640	6.619	6.596	6.573	6.548	6.523	6.497	6.470	6.442	6.414	6.384	6.354	6.306	6.274	6.240				
-38.50	A	308038	311985	315983	320031	324129	328278	332477	336726	341026	345375	349775	354225	358725	365570	370196	374872				
	B	6.658	6.637	6.616	6.593	6.570	6.546	6.521	6.495	6.469	6.441	6.412	6.383	6.353	6.306	6.273	6.240				
-38.25	A	306794	310734	314724	318765	322856	326998	331189	335431	339723	344065	348458	352900	357393	364226	368844	373513				
	B	6.655	6.634	6.613	6.591	6.568	6.544	6.519	6.493	6.467	6.439	6.411	6.382	6.352	6.305	6.272	6.239				

COMPRESSION FACTOR PER KILOPASCAL F=1/(A+DP*B)
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476
-38.00 A	305552	309485	313468	317502	321586	325720	329904	334138	338423	342758	347143	351577	356063	362884	367495	372156
B	6.651	6.631	6.610	6.588	6.565	6.541	6.517	6.491	6.465	6.438	6.409	6.380	6.350	6.304	6.272	6.239
-37.75 A	304313	308239	312214	316241	320317	324444	328621	332848	337125	341452	345829	350257	354734	361545	366148	370801
B	6.648	6.628	6.607	6.585	6.563	6.539	6.515	6.489	6.463	6.436	6.408	6.379	6.349	6.303	6.271	6.238
-37.50 A	303076	306994	310963	314982	319051	323170	327340	331559	335829	340149	344519	348939	353409	360208	364803	369449
B	6.645	6.625	6.604	6.582	6.560	6.537	6.512	6.487	6.461	6.434	6.406	6.378	6.348	6.302	6.270	6.238
-37.25 A	301841	305752	309713	313725	317787	321899	326061	330273	334535	338848	343210	347622	352085	358873	363461	368099
B	6.641	6.622	6.601	6.580	6.557	6.534	6.510	6.485	6.459	6.432	6.405	6.376	6.347	6.301	6.270	6.237
-37.00 A	300609	304512	308466	312470	316525	320630	324784	328989	333244	337549	341904	346309	350764	357540	362120	366751
B	6.638	6.618	6.598	6.577	6.555	6.532	6.508	6.483	6.457	6.431	6.403	6.375	6.346	6.300	6.269	6.237
-36.75 A	299378	303274	307221	311218	315265	319363	323510	327707	331955	336252	340600	344997	349444	356209	360782	365405
B	6.635	6.615	6.595	6.574	6.552	6.529	6.505	6.481	6.455	6.429	6.402	6.374	6.345	6.299	6.268	6.236
-36.50 A	298150	302039	305978	309968	314008	318098	322238	326428	330668	334958	339298	343687	348127	354881	359446	364062
B	6.631	6.612	6.592	6.571	6.549	6.527	6.503	6.479	6.453	6.427	6.400	6.372	6.343	6.299	6.268	6.236
-36.25 A	296924	300806	304738	308720	312753	316835	320968	325150	329383	333665	337998	342380	346813	353555	358113	362720
B	6.628	6.609	6.589	6.568	6.547	6.524	6.501	6.476	6.451	6.425	6.398	6.371	6.342	6.298	6.267	6.235
-36.00 A	295700	299575	303499	307474	311500	315575	319700	323875	328100	332375	336700	341075	345500	352231	356781	361381
B	6.624	6.605	6.586	6.565	6.544	6.521	6.498	6.474	6.449	6.424	6.397	6.369	6.341	6.297	6.266	6.234
-35.75 A	294478	298346	302263	306231	310249	314317	318435	322602	326820	331088	335405	339773	344190	350910	355452	360044
B	6.621	6.602	6.583	6.562	6.541	6.519	6.496	6.472	6.447	6.422	6.395	6.368	6.340	6.296	6.265	6.234
-35.50 A	293259	297119	301029	304990	309000	313061	317171	321332	325542	329802	334112	338472	342882	349590	354125	358710
B	6.617	6.599	6.579	6.559	6.538	6.516	6.493	6.470	6.445	6.420	6.393	6.366	6.338	6.294	6.264	6.233
-35.25 A	292042	295895	299798	303751	307754	311807	315910	320063	324266	328519	332821	337174	341576	348273	352800	357378
B	6.614	6.595	6.576	6.556	6.535	6.514	6.491	6.467	6.443	6.418	6.392	6.365	6.337	6.293	6.263	6.232
-35.00 A	290827	294672	298568	302514	306510	310556	314652	318797	322993	327238	331533	335878	340273	346958	351478	356048
B	6.610	6.592	6.573	6.553	6.532	6.511	6.488	6.465	6.441	6.416	6.390	6.363	6.335	6.292	6.262	6.232
-34.75 A	289614	293452	297341	301280	305268	309307	313395	317533	321721	325959	330247	334584	338971	345646	350158	354720
B	6.606	6.589	6.570	6.550	6.530	6.508	6.486	6.463	6.439	6.414	6.388	6.362	6.334	6.291	6.261	6.231
-34.50 A	288403	292235	296116	300047	304029	308060	312141	316272	320452	324682	328963	333293	337672	344335	348840	353394
B	6.603	6.585	6.567	6.547	6.527	6.505	6.483	6.460	6.437	6.412	6.386	6.360	6.333	6.290	6.260	6.230
-34.25 A	287195	291019	294893	298817	302791	306815	310889	315012	319185	323408	327681	332003	336375	343027	347524	352071
B	6.599	6.582	6.563	6.544	6.524	6.503	6.481	6.458	6.434	6.410	6.385	6.358	6.331	6.289	6.259	6.229

COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE																
TEMP DEG C	446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476
-34.00 A	285989	289806	293673	297589	301556	305573	309639	313755	317921	322136	326401	330716	335081	341721	346210	350750
B	6.596	6.578	6.560	6.541	6.521	6.500	6.478	6.456	6.432	6.408	6.383	6.357	6.330	6.288	6.258	6.228
-33.75 A	284785	288595	292454	296364	300323	304332	308391	312500	316658	320866	325124	329431	333789	340418	344899	349431
B	6.592	6.575	6.557	6.538	6.518	6.497	6.476	6.453	6.430	6.406	6.381	6.355	6.328	6.286	6.257	6.228
-33.50 A	283583	287386	291238	295140	299092	303094	307146	311247	315398	319599	323849	328149	332499	339116	343590	348114
B	6.588	6.571	6.553	6.534	6.515	6.494	6.473	6.451	6.428	6.404	6.379	6.353	6.327	6.285	6.256	6.227
-33.25 A	282384	286179	290024	293919	297864	301859	305903	309997	314140	318333	322576	326869	331211	337817	342284	346800
B	6.584	6.568	6.550	6.531	6.512	6.492	6.470	6.448	6.425	6.402	6.377	6.351	6.325	6.284	6.255	6.226
-33.00 A	281187	284975	288813	292700	296638	300625	304662	308749	312885	317070	321306	325591	329925	336520	340979	345488
B	6.581	6.564	6.546	6.528	6.509	6.489	6.468	6.446	6.423	6.399	6.375	6.350	6.323	6.283	6.254	6.225
-32.75 A	279992	283773	287603	291484	295414	299394	303423	307503	311631	315810	320037	324315	328642	335226	339677	344178
B	6.577	6.560	6.543	6.525	6.506	6.486	6.465	6.443	6.421	6.397	6.373	6.348	6.322	6.281	6.253	6.224
-32.50 A	278799	282573	286396	290269	294192	298165	302187	306259	310380	314551	318771	323041	327361	333933	338377	342870
B	6.573	6.557	6.540	6.521	6.503	6.483	6.462	6.441	6.418	6.395	6.371	6.346	6.320	6.280	6.252	6.223
-32.25 A	277609	281375	285191	289057	292973	296938	300953	305017	309131	313295	317508	321770	326082	332643	337079	341565
B	6.569	6.553	6.536	6.518	6.499	6.480	6.459	6.438	6.416	6.393	6.369	6.344	6.319	6.278	6.251	6.222
-32.00 A	276421	280180	283989	287848	291756	295714	299721	303778	307885	312041	316246	320501	324806	331355	335784	340262
B	6.565	6.549	6.533	6.515	6.496	6.477	6.457	6.436	6.414	6.391	6.367	6.342	6.317	6.277	6.249	6.221
-31.75 A	275235	278987	282788	286640	290541	294492	298492	302541	306640	310789	314987	319235	323531	330070	334491	338961
B	6.561	6.546	6.529	6.511	6.493	6.474	6.454	6.433	6.411	6.388	6.365	6.340	6.315	6.276	6.248	6.220
-31.50 A	274051	277796	281590	285435	289328	293272	297264	301307	305398	309540	313730	317970	322260	328787	333200	337663
B	6.557	6.542	6.525	6.508	6.490	6.471	6.451	6.430	6.409	6.386	6.363	6.339	6.313	6.274	6.247	6.219
-31.25 A	272870	276607	280395	284232	288118	292054	296039	300074	304159	308292	312475	316708	320990	327506	331911	336367
B	6.554	6.538	6.522	6.505	6.487	6.468	6.448	6.428	6.406	6.384	6.361	6.337	6.312	6.273	6.246	6.218
-31.00 A	271691	275421	279201	283031	286910	290839	294817	298844	302921	307047	311223	315448	319722	326227	330625	335073
B	6.550	6.534	6.518	6.501	6.483	6.465	6.445	6.425	6.404	6.381	6.358	6.335	6.310	6.271	6.244	6.217
-30.75 A	270514	274237	278010	281832	285704	289625	293596	297616	301686	305805	309973	314190	318457	324950	329341	333781
B	6.546	6.531	6.515	6.498	6.480	6.462	6.442	6.422	6.401	6.379	6.356	6.333	6.308	6.270	6.243	6.215
-30.50 A	269339	273055	276821	280636	284501	288415	292378	296391	300453	304564	308725	312935	317195	323676	328059	332492
B	6.542	6.527	6.511	6.494	6.477	6.459	6.439	6.419	6.398	6.377	6.354	6.331	6.306	6.268	6.242	6.214
-30.25 A	268167	271875	275634	279442	283299	287206	291162	295168	299222	303326	307480	311682	315934	322404	326780	331205
B	6.538	6.523	6.507	6.491	6.474	6.455	6.436	6.417	6.396	6.374	6.352	6.329	6.304	6.267	6.240	6.213

TEMP DEG C		COMPRESSION FACTOR PER KILOGRAM PER DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+BP ^{TD})									
		446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476	478	480	482	484
-30.00	A	266996	270698	274449	278250	282100	286000	289949	293947	297994	302091	306236	310431	314676	321135	325503	329920				
	B	6.533	6.519	6.504	6.487	6.470	6.452	6.433	6.414	6.393	6.372	6.350	6.327	6.303	6.265	6.239	6.212				
-29.75	A	265829	269523	273267	277061	280904	284796	288737	292728	296768	300857	304995	309183	313420	319867	324228	328637				
	B	6.529	6.515	6.500	6.484	6.467	6.449	6.430	6.411	6.391	6.369	6.347	6.324	6.301	6.263	6.237	6.211				
-29.50	A	264663	268350	272087	275873	279709	283594	287528	291512	295544	299626	303757	307937	312166	318602	322955	327357				
	B	6.525	6.511	6.496	6.480	6.463	6.446	6.427	6.408	6.388	6.367	6.345	6.322	6.299	6.262	6.236	6.209				
-29.25	A	263500	267180	270909	274689	278517	282395	286321	290297	294323	298397	302520	306693	310915	317340	321685	326079				
	B	6.521	6.507	6.492	6.477	6.460	6.443	6.424	6.405	6.385	6.364	6.343	6.320	6.297	6.260	6.235	6.208				
-29.00	A	262339	266012	269734	273506	277327	281197	285117	289086	293103	297170	301286	305451	309666	316079	320417	324803				
	B	6.517	6.503	6.489	6.473	6.457	6.439	6.421	6.402	6.383	6.362	6.340	6.318	6.295	6.258	6.233	6.207				
-28.75	A	261180	264846	268561	272326	276139	280002	283915	287876	291886	295946	300054	304212	308419	314821	319151	323530				
	B	6.513	6.499	6.485	6.469	6.453	6.436	6.418	6.399	6.380	6.359	6.338	6.316	6.293	6.257	6.231	6.205				
-28.50	A	260023	263682	267390	271147	274954	278810	282715	286669	290672	294724	298825	302975	307174	313565	317887	322259				
	B	6.509	6.495	6.481	6.466	6.450	6.433	6.415	6.396	6.377	6.357	6.336	6.314	6.291	6.255	6.230	6.204				
-28.25	A	258869	262521	266221	269972	273771	277620	281517	285464	289459	293504	297598	301740	305932	312312	316626	320990				
	B	6.504	6.491	6.477	6.462	6.446	6.429	6.412	6.393	6.374	6.354	6.333	6.311	6.289	6.253	6.228	6.203				
-28.00	A	257717	261361	265055	268798	272590	276432	280322	284261	288249	292287	296373	300508	304692	311060	315367	319724				
	B	6.500	6.487	6.473	6.458	6.443	6.426	6.409	6.391	6.371	6.352	6.331	6.309	6.287	6.251	6.227	6.201				
-27.75	A	256567	260205	263891	267627	271412	275246	279129	283061	287042	291071	295150	299278	303454	309812	314111	318460				
	B	6.496	6.483	6.469	6.455	6.439	6.423	6.406	6.387	6.369	6.349	6.328	6.307	6.285	6.250	6.225	6.200				
-27.50	A	255420	259050	262730	266458	270236	274062	277938	281863	285836	289858	293930	298050	302219	308565	312857	317198				
	B	6.492	6.479	6.465	6.451	6.435	6.419	6.402	6.384	6.366	6.346	6.326	6.305	6.282	6.248	6.223	6.198				
-27.25	A	254275	257898	261570	265291	269062	272881	276750	280667	284633	288648	292712	296825	300986	307321	311605	315938				
	B	6.487	6.475	6.461	6.447	6.432	6.416	6.399	6.381	6.363	6.343	6.323	6.302	6.280	6.246	6.222	6.197				
-27.00	A	253132	256748	260413	264127	267890	271702	275563	279473	283432	287440	291496	295601	299755	306079	310355	314681				
	B	6.483	6.470	6.457	6.443	6.428	6.412	6.396	6.378	6.360	6.341	6.321	6.300	6.278	6.244	6.220	6.195				
-26.75	A	251992	255600	259258	262965	266721	270526	274380	278282	282234	286234	290283	294380	298527	304839	309108	313426				
	B	6.478	6.466	6.453	6.439	6.425	6.409	6.392	6.375	6.357	6.338	6.318	6.297	6.276	6.242	6.218	6.194				
-26.50	A	250853	254455	258106	261805	265554	269352	273198	277093	281037	285030	289072	293162	297301	303601	307863	312173				
	B	6.474	6.462	6.449	6.435	6.421	6.405	6.389	6.372	6.354	6.335	6.316	6.295	6.274	6.240	6.217	6.192				
-26.25	A	249717	253312	256955	260648	264389	268180	272019	275907	279843	283829	287863	291946	296077	302366	306620	310923				
	B	6.470	6.458	6.445	6.432	6.417	6.402	6.386	6.369	6.351	6.332	6.313	6.293	6.271	6.238	6.215	6.191				

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476	
-26.00 A	248584	252171	255808	259493	263227	267010	270842	274723	278652	282630	286656	290732	294856	301134	305380	309675	
-26.00 B	6.465	6.454	6.441	6.428	6.413	6.398	6.382	6.366	6.348	6.330	6.310	6.290	6.269	6.236	6.213	6.189	
-25.75 A	247452	251033	254662	258340	262067	265843	269667	273541	277463	281433	285452	289520	293637	299903	304142	308429	
-25.75 B	6.461	6.449	6.437	6.424	6.410	6.395	6.379	6.362	6.345	6.327	6.308	6.288	6.267	6.234	6.211	6.187	
-25.50 A	246323	249896	253519	257190	260909	264678	268495	272361	276276	280239	284250	288311	292420	298675	302906	307186	
-25.50 B	6.456	6.445	6.433	6.420	6.406	6.391	6.376	6.359	6.342	6.324	6.305	6.285	6.265	6.232	6.209	6.186	
-25.25 A	245197	248763	252378	256041	259754	263515	267325	271184	275091	279047	283051	287104	291205	297449	301673	305945	
-25.25 B	6.452	6.441	6.429	6.416	6.402	6.388	6.372	6.356	6.339	6.321	6.302	6.283	6.262	6.230	6.207	6.184	
-25.00 A	244072	247631	251239	254896	258601	262355	266158	270009	273909	277857	281854	285899	289993	296226	300442	304706	
-25.00 B	6.447	6.436	6.424	6.412	6.398	6.384	6.369	6.353	6.336	6.318	6.300	6.280	6.260	6.228	6.206	6.182	
-24.75 A	242950	246502	250103	253752	257450	261197	264992	268836	272729	276670	280659	284697	288784	295005	299213	303470	
-24.75 B	6.443	6.432	6.420	6.408	6.394	6.380	6.365	6.349	6.333	6.315	6.297	6.278	6.257	6.226	6.204	6.181	
-24.50 A	241830	245375	248968	252611	256302	260041	263829	267666	271551	275484	279466	283497	287576	293786	297986	302236	
-24.50 B	6.438	6.427	6.416	6.404	6.390	6.376	6.362	6.346	6.329	6.312	6.294	6.275	6.255	6.224	6.202	6.179	
-24.25 A	240713	244250	247837	251472	255156	258888	262669	266498	270376	274302	278276	282299	286371	292569	296762	301004	
-24.25 B	6.433	6.423	6.412	6.400	6.387	6.373	6.358	6.343	6.326	6.309	6.291	6.272	6.253	6.222	6.200	6.177	
-24.00 A	239598	243128	246707	250335	254012	257737	261510	265332	269203	273121	277088	281104	285168	291355	295541	299775	
-24.00 B	6.429	6.418	6.407	6.395	6.383	6.369	6.355	6.339	6.323	6.306	6.288	6.270	6.250	6.219	6.198	6.175	
-23.75 A	238485	242008	245580	249201	252870	256588	260354	264169	268032	271943	275903	279911	283968	290143	294321	298548	
-23.75 B	6.424	6.414	6.403	6.391	6.379	6.365	6.351	6.336	6.320	6.303	6.285	6.267	6.248	6.217	6.196	6.174	
-23.50 A	237374	240890	244455	248069	251731	255442	259201	263008	266864	270768	274720	278720	282769	288934	293104	297323	
-23.50 B	6.419	6.409	6.399	6.387	6.375	6.361	6.347	6.332	6.317	6.300	6.283	6.264	6.245	6.215	6.194	6.172	
-23.25 A	236266	239775	243333	246940	250594	254298	258049	261849	265698	269594	273539	277532	281574	287727	291889	296101	
-23.25 B	6.415	6.405	6.394	6.383	6.371	6.358	6.344	6.329	6.313	6.297	6.280	6.262	6.243	6.213	6.192	6.170	
-23.00 A	235160	238662	242213	245812	249460	253156	256900	260693	264534	268423	272361	276346	280380	286522	290677	294881	
-23.00 B	6.410	6.400	6.390	6.379	6.367	6.354	6.340	6.325	6.310	6.294	6.277	6.259	6.240	6.210	6.190	6.168	
-22.75 A	234056	237552	241095	244687	248328	252017	255754	259539	263373	267254	271184	275163	279189	285319	289467	293663	
-22.75 B	6.405	6.396	6.386	6.374	6.363	6.350	6.336	6.322	6.307	6.291	6.274	6.256	6.237	6.208	6.187	6.166	
-22.50 A	232955	236443	239980	243565	247198	250880	254609	258388	262214	266088	270011	273981	278000	284119	288259	292448	
-22.50 B	6.400	6.391	6.381	6.370	6.359	6.346	6.333	6.318	6.303	6.287	6.271	6.253	6.235	6.206	6.185	6.164	
-22.25 A	231856	235337	238867	242444	246071	249745	253468	257238	261057	264924	268839	272802	276814	282922	287054	291235	
-22.25 B	6.396	6.386	6.377	6.366	6.354	6.342	6.329	6.315	6.300	6.284	6.268	6.250	6.232	6.203	6.183	6.162	

TEMP DEG C		DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE											
		446	448	450	452	454	456	458	460	462	464	466	476
-22.00	A	230760	234234	237756	241327	244945	248613	252328	256091	259903	263762	267670	271626
	B	6.391	6.382	6.372	6.362	6.350	6.338	6.325	6.311	6.297	6.281	6.265	6.248
-21.75	A	229665	233132	236647	240211	243823	247483	251191	254947	258751	262603	266503	270452
	B	6.386	6.377	6.368	6.357	6.346	6.334	6.321	6.308	6.293	6.278	6.262	6.245
-21.50	A	228573	232033	235541	239098	242702	246355	250056	253805	257601	261446	265339	269280
	B	6.381	6.372	6.363	6.353	6.342	6.330	6.318	6.304	6.290	6.275	6.259	6.242
-21.25	A	227484	230937	234438	237987	241584	245230	248923	252665	256454	260292	264177	268110
	B	6.376	6.368	6.359	6.349	6.338	6.326	6.314	6.300	6.286	6.271	6.256	6.239
-21.00	A	226397	229842	233336	236878	240469	244107	247793	251527	255309	259139	263017	266943
	B	6.371	6.363	6.354	6.344	6.334	6.322	6.310	6.297	6.283	6.268	6.252	6.236
-20.75	A	225312	228750	232237	235772	239355	242986	246665	250392	254167	257989	261860	265779
	B	6.366	6.358	6.349	6.340	6.329	6.318	6.306	6.293	6.279	6.265	6.249	6.233
-20.50	A	224229	227661	231140	234668	238244	241868	245540	249259	253027	256842	260705	264616
	B	6.361	6.353	6.345	6.335	6.325	6.314	6.302	6.289	6.276	6.261	6.246	6.230
-20.25	A	223149	226573	230046	233567	237136	240752	244417	248129	251889	255697	259553	263456
	B	6.356	6.348	6.340	6.331	6.321	6.310	6.298	6.286	6.272	6.258	6.243	6.227
-20.00	A	222071	225489	228954	232468	236029	239639	243296	247001	250754	254554	258402	262298
	B	6.351	6.344	6.335	6.326	6.316	6.306	6.294	6.282	6.269	6.254	6.240	6.224
-19.75	A	220996	224406	227864	231371	234925	238527	242177	245875	249621	253414	257255	261143
	B	6.346	6.339	6.331	6.322	6.312	6.302	6.290	6.278	6.265	6.251	6.236	6.221
-19.50	A	219922	223326	226777	230277	233824	237419	241061	244752	248490	252276	256109	259990
	B	6.341	6.334	6.326	6.317	6.308	6.297	6.286	6.274	6.261	6.248	6.233	6.218
-19.25	A	218852	222248	225692	229185	232725	236312	239948	243631	247362	251140	254966	258840
	B	6.336	6.329	6.321	6.313	6.303	6.293	6.282	6.270	6.258	6.244	6.230	6.215
-19.00	A	217783	221173	224610	228095	231628	235208	238836	242512	246236	250007	253825	257691
	B	6.331	6.324	6.316	6.308	6.299	6.289	6.278	6.266	6.254	6.241	6.226	6.212
-18.75	A	216717	220099	223530	227008	230533	234107	237728	241396	245112	248876	252687	256546
	B	6.326	6.319	6.312	6.303	6.294	6.285	6.274	6.262	6.250	6.237	6.223	6.208
-18.50	A	215653	219029	222452	225923	229441	233007	236621	240282	243991	247747	251551	255402
	B	6.320	6.314	6.307	6.299	6.290	6.280	6.270	6.259	6.246	6.234	6.220	6.205
-18.25	A	214592	217960	221376	224840	228351	231910	235517	239171	242872	246621	250417	254261
	B	6.315	6.309	6.302	6.294	6.285	6.276	6.266	6.255	6.243	6.230	6.216	6.202

TEMP DEG C	COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476	
-18.00 A	213533	216894	220303	223760	227264	230816	234415	238062	241756	245497	249286	253123	257006	260921	264824	270975	
B	6.310	6.304	6.297	6.289	6.281	6.272	6.262	6.251	6.239	6.226	6.213	6.199	6.184	6.160	6.143	6.125	
-17.75 A	212476	215831	219233	222682	226179	229724	233316	236955	240642	244376	248157	251986	255863	261766	265762	269805	
B	6.305	6.299	6.292	6.285	6.276	6.267	6.257	6.247	6.235	6.223	6.209	6.195	6.181	6.157	6.140	6.122	
-17.50 A	211422	214769	218164	221607	225097	228634	232219	235851	239530	243257	247031	250853	254721	260614	264601	268637	
B	6.299	6.294	6.287	6.280	6.272	6.263	6.253	6.243	6.231	6.219	6.206	6.192	6.178	6.154	6.137	6.120	
-17.25 A	210370	213711	217098	220534	224016	227547	231124	234749	238421	242140	245907	249721	253582	259463	263443	267471	
B	6.294	6.289	6.282	6.275	6.267	6.258	6.249	6.239	6.227	6.215	6.203	6.189	6.174	6.151	6.135	6.117	
-17.00 A	209321	212654	216035	219463	222939	226462	230032	233649	237314	241026	244785	248592	252446	258315	262288	266308	
B	6.289	6.283	6.277	6.270	6.263	6.254	6.245	6.234	6.223	6.212	6.199	6.186	6.171	6.148	6.132	6.115	
-16.75 A	208274	211600	214974	218395	221863	225379	228942	232552	236210	239914	243666	247465	251312	257170	261135	265147	
B	6.283	6.278	6.272	6.266	6.258	6.250	6.240	6.230	6.220	6.208	6.195	6.182	6.168	6.145	6.129	6.112	
-16.50 A	207229	210548	213915	217329	220790	224299	227855	231458	235108	238805	242549	246341	250180	256027	259984	263989	
B	6.278	6.273	6.267	6.261	6.253	6.245	6.236	6.226	6.216	6.204	6.192	6.179	6.165	6.143	6.127	6.110	
-16.25 A	206187	209499	212858	216265	219720	223221	226770	230365	234008	237698	241435	245219	249050	254886	258836	262833	
B	6.273	6.268	6.262	6.256	6.249	6.241	6.232	6.222	6.212	6.200	6.188	6.175	6.162	6.140	6.124	6.107	
-16.00 A	205147	208452	211804	215204	218651	222146	225687	229275	232911	236593	240323	244100	247923	253748	257690	261679	
B	6.267	6.263	6.257	6.251	6.244	6.236	6.227	6.218	6.208	6.197	6.185	6.172	6.158	6.137	6.121	6.105	
-15.75 A	204109	207407	210753	214146	217585	221073	224607	228188	231816	235491	239213	242983	246799	252612	256546	260528	
B	6.262	6.257	6.252	6.246	6.239	6.232	6.223	6.214	6.204	6.193	6.181	6.169	6.155	6.134	6.118	6.102	
-15.50 A	203074	206365	209704	213089	216522	220002	223529	227103	230724	234391	238106	241868	245677	251478	255405	259379	
B	6.256	6.252	6.247	6.241	6.234	6.227	6.219	6.210	6.200	6.189	6.177	6.165	6.152	6.131	6.115	6.099	
-15.25 A	202041	205325	208657	212035	215461	218934	222453	226020	229634	233294	237001	240756	244557	250347	254266	258233	
B	6.251	6.247	6.242	6.236	6.230	6.222	6.214	6.205	6.196	6.185	6.174	6.162	6.149	6.128	6.113	6.097	
-15.00 A	201011	204288	207612	210984	214402	217868	221380	224940	228546	232199	235899	239646	243440	249218	253130	257089	
B	6.245	6.241	6.237	6.231	6.225	6.218	6.210	6.201	6.191	6.181	6.170	6.158	6.145	6.124	6.110	6.094	
-14.75 A	199983	203253	206570	209935	213346	216805	220310	223862	227461	231106	234799	238538	242325	248092	251996	255947	
B	6.240	6.236	6.231	6.226	6.220	6.213	6.205	6.197	6.187	6.177	6.166	6.154	6.142	6.121	6.107	6.091	
-14.50 A	198957	202220	205531	208888	212292	215744	219242	222786	226378	230016	233701	237433	241212	246968	250865	254808	
B	6.234	6.231	6.226	6.221	6.215	6.208	6.201	6.192	6.183	6.173	6.162	6.151	6.138	6.118	6.104	6.089	
-14.25 A	197934	201190	204493	207844	211241	214685	218176	221713	225298	228929	232606	236331	240102	245847	249735	253671	
B	6.228	6.225	6.221	6.216	6.210	6.204	6.196	6.188	6.179	6.169	6.159	6.147	6.135	6.115	6.101	6.086	

COMMITTEE ON PETROLEUM STANDARDS
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476
-14.00 A	196913	200162	203459	206802	210192	213629	217112	220643	224220	227843	231514	235231	238994	242728	246509	250257
-14.00 B	6.223	6.220	6.216	6.211	6.205	6.199	6.192	6.184	6.175	6.165	6.155	6.144	6.132	6.112	6.098	6.083
-13.75 A	195895	199137	202426	205762	209145	212575	216051	219574	223144	226760	230423	234133	237889	243611	247485	251405
-13.75 B	6.217	6.214	6.210	6.206	6.200	6.194	6.187	6.179	6.171	6.161	6.151	6.140	6.128	6.109	6.095	6.080
-13.50 A	194878	198114	201396	204725	208101	211524	214993	218509	222071	225680	229335	233037	236786	242497	246363	250275
-13.50 B	6.212	6.209	6.205	6.201	6.195	6.189	6.183	6.175	6.166	6.157	6.147	6.136	6.125	6.106	6.092	6.077
-13.25 A	193865	197093	200369	203691	207059	210475	213937	217445	221000	224602	228250	231945	235686	241385	245243	249148
-13.25 B	6.206	6.203	6.200	6.196	6.190	6.185	6.178	6.170	6.162	6.153	6.143	6.133	6.121	6.102	6.089	6.075
-13.00 A	192854	196075	199343	202658	206020	209428	212883	216384	219932	223526	227167	230854	234588	240276	244126	248024
-13.00 B	6.200	6.198	6.194	6.190	6.185	6.180	6.173	6.166	6.158	6.149	6.139	6.129	6.118	6.099	6.086	6.072
-12.75 A	191845	195059	198321	201629	204983	208384	211832	215326	218866	222453	226086	229766	233492	239169	243012	246901
-12.75 B	6.194	6.192	6.189	6.185	6.180	6.175	6.169	6.162	6.154	6.145	6.135	6.125	6.114	6.096	6.083	6.069
-12.50 A	190839	194046	197300	200601	203949	207343	210783	214270	217803	221382	225008	228680	232399	238065	241900	245782
-12.50 B	6.189	6.186	6.184	6.180	6.175	6.170	6.164	6.157	6.149	6.141	6.131	6.121	6.110	6.093	6.080	6.066
-12.25 A	189835	193035	196282	199576	202917	206303	209737	213216	216742	220314	223932	227597	231308	236962	240790	244664
-12.25 B	6.183	6.181	6.178	6.175	6.170	6.165	6.159	6.152	6.145	6.137	6.127	6.118	6.107	6.089	6.076	6.063
-12.00 A	188833	192027	195267	198554	201887	205267	208693	212165	215683	219248	222859	226516	230220	235863	239683	243549
-12.00 B	6.177	6.175	6.173	6.169	6.165	6.160	6.154	6.148	6.141	6.132	6.123	6.114	6.103	6.086	6.073	6.060
-11.75 A	187834	191021	194254	197534	200860	204232	207651	211116	214627	218185	221788	225438	229134	234766	238578	242437
-11.75 B	6.171	6.170	6.167	6.164	6.160	6.155	6.150	6.143	6.136	6.128	6.119	6.110	6.100	6.082	6.070	6.057
-11.50 A	186837	190017	193243	196516	199835	203200	206612	210070	213574	217124	220720	224362	228051	233671	237476	241327
-11.50 B	6.165	6.164	6.162	6.159	6.155	6.150	6.145	6.139	6.132	6.124	6.115	6.106	6.096	6.079	6.067	6.054
-11.25 A	185843	189016	192235	195501	198813	202171	205575	209026	212522	216065	219654	223289	226970	232579	236376	240219
-11.25 B	6.159	6.158	6.156	6.153	6.150	6.145	6.140	6.134	6.127	6.120	6.111	6.102	6.092	6.076	6.064	6.051
-11.00 A	184851	188017	191229	194488	197793	201144	204541	207984	211474	215009	218590	222218	225892	231489	235278	239114
-11.00 B	6.153	6.152	6.151	6.148	6.145	6.140	6.135	6.129	6.123	6.115	6.107	6.098	6.088	6.072	6.060	6.048
-10.75 A	183862	187021	190226	193478	196775	200119	203509	206945	210427	213955	217529	221149	224816	230401	234183	238011
-10.75 B	6.147	6.147	6.145	6.143	6.139	6.135	6.130	6.125	6.118	6.111	6.103	6.094	6.085	6.069	6.057	6.045
-10.50 A	182875	186027	189225	192470	195760	199097	202480	205909	209383	212904	216471	220083	223742	229316	233091	236911
-10.50 B	6.142	6.141	6.139	6.137	6.134	6.130	6.126	6.120	6.114	6.107	6.099	6.090	6.081	6.065	6.054	6.042
-10.25 A	181890	185035	188227	191464	194748	198077	201453	204874	208342	211855	215414	219020	222671	228234	232001	235813
-10.25 B	6.136	6.135	6.134	6.132	6.129	6.125	6.121	6.115	6.109	6.102	6.095	6.086	6.077	6.062	6.050	6.038

		COMPRESSIBILITY FACTOR PER KILOPASCAL, $F=1/(A+DP^*B)$																	
		DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE																	
TEMP		446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476		
DEG C																			
-10.00	A	180908	184046	187231	190461	193738	197060	200429	203843	207303	210809	214361	217958	221602	227154	230913	234718		
	B	6.130	6.129	6.128	6.126	6.123	6.120	6.116	6.111	6.105	6.098	6.091	6.082	6.073	6.058	6.047	6.035		
-9.75	A	179328	183060	186237	189461	192730	196045	199407	202814	206266	209765	213309	216900	220536	226076	229828	233625		
	B	6.123	6.123	6.122	6.121	6.118	6.115	6.111	6.106	6.100	6.094	6.086	6.078	6.069	6.055	6.044	6.032		
-9.50	A	178951	182076	185246	188462	191725	195033	198387	201787	205232	208724	212261	215843	219472	225001	228745	232535		
	B	6.117	6.117	6.117	6.115	6.113	6.110	6.106	6.101	6.095	6.089	6.082	6.074	6.065	6.051	6.040	6.029		
-9.25	A	177976	181094	184257	187467	190722	194023	197370	200762	204201	207685	211214	214790	218411	223929	227665	231447		
	B	6.111	6.112	6.111	6.110	6.107	6.104	6.101	6.096	6.091	6.085	6.078	6.070	6.062	6.047	6.037	6.026		
-9.00	A	177004	180115	183271	186473	189722	193016	196355	199741	203172	206648	210170	213738	217352	222858	226587	230361		
	B	6.105	6.106	6.105	6.104	6.102	6.099	6.096	6.091	6.086	6.080	6.073	6.066	6.058	6.044	6.033	6.022		
-8.75	A	176034	179138	182287	185483	188724	192011	195343	198721	202145	205614	209129	212689	216296	221791	225511	229278		
	B	6.099	6.100	6.099	6.098	6.097	6.094	6.091	6.086	6.081	6.076	6.069	6.062	6.054	6.040	6.030	6.019		
-8.50	A	175067	178163	181306	184494	187728	191008	194333	197704	201121	204582	208090	211643	215242	220725	224438	228197		
	B	6.093	6.094	6.094	6.093	6.091	6.089	6.086	6.082	6.077	6.071	6.065	6.058	6.050	6.036	6.026	6.016		
-8.25	A	174102	177191	180327	183508	186735	190008	193326	196690	200099	203553	207053	210599	214190	219662	223368	227119		
	B	6.087	6.088	6.088	6.087	6.086	6.083	6.080	6.077	6.072	6.067	6.060	6.053	6.046	6.033	6.023	6.012		
-8.00	A	173139	176222	179351	182525	185745	189010	192321	195678	199080	202527	206019	209558	213141	218602	222300	226044		
	B	6.081	6.082	6.082	6.081	6.080	6.078	6.075	6.072	6.067	6.062	6.056	6.049	6.042	6.029	6.019	6.009		
-7.75	A	172179	175255	178377	181544	184757	188015	191319	194668	198063	201503	204988	208519	212095	217544	221234	224970		
	B	6.074	6.076	6.076	6.076	6.075	6.073	6.070	6.067	6.062	6.057	6.052	6.045	6.038	6.025	6.016	6.006		
-7.50	A	171221	174291	177405	180566	183771	187023	190319	193661	197048	200481	203959	207482	211051	216489	220171	223900		
	B	6.068	6.069	6.070	6.070	6.069	6.067	6.065	6.062	6.058	6.053	6.047	6.041	6.034	6.021	6.012	6.002		
-7.25	A	170266	173328	176436	179590	182788	186032	189322	192657	196037	199462	202932	206448	210009	215436	219111	222831		
	B	6.062	6.063	6.064	6.064	6.064	6.062	6.060	6.057	6.053	6.048	6.043	6.036	6.029	6.017	6.008	5.999		
-7.00	A	169314	172369	175470	178616	181808	185045	188327	191654	195027	198445	201908	205416	208970	214385	218053	221766		
	B	6.055	6.057	6.058	6.058	6.058	6.057	6.054	6.052	6.048	6.043	6.038	6.032	6.025	6.014	6.005	5.995		
-6.75	A	168363	171412	174506	177645	180830	184060	187335	190655	194020	197431	200886	204387	207933	213338	216997	220702		
	B	6.049	6.051	6.052	6.053	6.052	6.051	6.049	6.047	6.043	6.039	6.034	6.028	6.021	6.010	6.001	5.992		
-6.50	A	167416	170457	173544	176676	179854	183077	186345	189658	193016	196419	199867	203361	206899	212292	215944	219641		
	B	6.043	6.045	6.046	6.047	6.047	6.046	6.044	6.041	6.038	6.034	6.029	6.023	6.017	6.006	5.997	5.988		
-6.25	A	166470	169505	172585	175710	178881	182097	185357	188663	192014	195410	198851	202337	205868	211249	214893	218593		
	B	6.036	6.039	6.040	6.041	6.041	6.040	6.039	6.036	6.033	6.029	6.025	6.019	6.013	6.002	5.994	5.985		

COMPRESSION FACTOR PER KILOPASCAL
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476
-6.00 A	165227	168555	171628	174747	177910	181119	184372	187671	191014	194403	197836	201315	204838	210209	213845	217527
-6.00 B	6.030	6.032	6.034	6.035	6.035	6.035	6.033	6.031	6.028	6.024	6.020	6.015	6.009	5.998	5.990	5.981
-5.75 A	164587	167608	170674	173786	176942	180143	183390	186681	190017	193399	196825	200296	203812	209170	212799	216474
-5.75 B	6.024	6.026	6.028	6.029	6.030	6.029	6.028	6.026	6.023	6.020	6.015	6.010	6.004	5.994	5.986	5.978
-5.50 A	163649	166663	169722	172827	175976	179171	182410	185694	189023	192397	195815	199279	202788	208135	211756	215423
-5.50 B	6.017	6.020	6.022	6.023	6.024	6.024	6.023	6.021	6.018	6.015	6.011	6.006	6.000	5.990	5.982	5.974
-5.25 A	162714	165721	168773	171871	175013	178200	181432	184709	188031	191397	194809	198265	201766	207102	210716	214375
-5.25 B	6.011	6.014	6.016	6.017	6.018	6.018	6.017	6.016	6.013	6.010	6.006	6.001	5.996	5.986	5.979	5.970
-5.00 A	161781	164781	167827	170917	174052	177232	180457	183727	187041	190401	193805	197253	200747	206071	209677	213329
-5.00 B	6.004	6.007	6.010	6.011	6.012	6.012	6.012	6.010	6.008	6.005	6.001	5.997	5.991	5.982	5.975	5.967
-4.75 A	160850	163844	166882	169966	173094	176267	179485	182747	186054	189406	192803	196244	199730	205043	208642	212285
-4.75 B	5.998	6.001	6.004	6.005	6.007	6.007	6.006	6.005	6.003	6.000	5.997	5.992	5.987	5.978	5.971	5.963
-4.50 A	159922	162909	165941	169017	172138	175304	178515	181770	185070	188414	191804	195237	198716	204018	207608	211244
-4.50 B	5.991	5.995	5.997	5.999	6.001	6.001	6.001	6.000	5.998	5.995	5.992	5.988	5.983	5.974	5.967	5.959
-4.25 A	158997	161977	165001	168071	171185	174344	177547	180795	184088	187425	190807	194233	197704	202995	206578	210206
-4.25 B	5.984	5.988	5.991	5.993	5.995	5.995	5.995	5.994	5.993	5.990	5.987	5.983	5.978	5.970	5.963	5.955
-4.00 A	158074	161047	164065	167127	170234	173386	176582	179823	183108	186438	189813	193232	196695	201974	205550	209170
-4.00 B	5.978	5.982	5.985	5.987	5.989	5.990	5.990	5.989	5.988	5.985	5.982	5.978	5.974	5.966	5.959	5.952
-3.75 A	157153	160119	163130	166186	169286	172431	175620	178853	182131	185454	188821	192232	195688	200956	204524	208137
-3.75 B	5.971	5.975	5.979	5.981	5.983	5.984	5.984	5.984	5.982	5.980	5.977	5.974	5.969	5.961	5.955	5.948
-3.50 A	156235	159195	162198	165247	168340	171478	174660	177886	181157	184472	187832	191236	194684	199941	203501	207106
-3.50 B	5.965	5.969	5.972	5.975	5.977	5.978	5.978	5.978	5.977	5.975	5.973	5.969	5.965	5.957	5.951	5.944
-3.25 A	155320	158272	161269	164311	167397	170527	173702	176922	180185	183493	186845	190242	193683	198928	202480	206077
-3.25 B	5.958	5.962	5.966	5.969	5.971	5.972	5.973	5.973	5.972	5.970	5.968	5.965	5.960	5.953	5.947	5.940
-3.00 A	154407	157352	160342	163377	166456	169580	172747	175959	179216	182516	185861	189250	192683	197917	201462	205051
-3.00 B	5.951	5.956	5.960	5.963	5.965	5.967	5.967	5.967	5.967	5.965	5.963	5.960	5.956	5.949	5.943	5.936
-2.75 A	153496	156435	159418	162446	165518	168634	171795	175000	178249	181542	184879	188261	191687	196909	200446	204028
-2.75 B	5.944	5.949	5.953	5.957	5.959	5.961	5.962	5.962	5.961	5.960	5.958	5.955	5.951	5.944	5.939	5.933
-2.50 A	152588	155520	158496	161517	164582	167691	170845	174042	177284	180570	183900	187274	190693	195904	199433	203007
-2.50 B	5.938	5.943	5.947	5.950	5.953	5.955	5.956	5.957	5.956	5.955	5.953	5.950	5.947	5.940	5.935	5.929
-2.25 A	151683	154608	157577	160591	163649	166751	169897	173088	176322	179601	182923	186290	189701	194901	198422	201989
-2.25 B	5.931	5.936	5.941	5.944	5.947	5.949	5.950	5.951	5.951	5.950	5.948	5.946	5.942	5.936	5.931	5.925

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE																F=1/(A+DP*B)	
	446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476		
-2.00 A	150780	153698	156660	159667	162718	165813	168953	172136	175363	178634	181949	185309	188712	193900	197414	200973		
B	5.924	5.929	5.934	5.938	5.941	5.943	5.945	5.945	5.945	5.945	5.943	5.941	5.938	5.932	5.927	5.921		
-1.75 A	149879	152791	155746	158746	161790	164878	168010	171186	174406	177670	180978	184330	187725	192902	196409	199960		
B	5.917	5.923	5.928	5.932	5.935	5.937	5.939	5.940	5.940	5.939	5.938	5.936	5.933	5.927	5.922	5.917		
-1.50 A	148981	151886	154835	157827	160864	163945	167070	170239	173452	176708	180009	183353	186741	191907	195406	198949		
B	5.910	5.916	5.921	5.925	5.929	5.931	5.933	5.934	5.935	5.934	5.933	5.931	5.928	5.923	5.918	5.913		
-1.25 A	148086	150983	153925	156911	159941	163015	166133	169294	172500	175749	179042	182379	185760	190914	194405	197941		
B	5.904	5.909	5.915	5.919	5.923	5.925	5.927	5.929	5.929	5.929	5.928	5.926	5.924	5.918	5.914	5.909		
-1.00 A	147193	150084	153019	155998	159021	162087	165198	168352	171551	174792	178078	181408	184781	189924	193407	196935		
B	5.897	5.903	5.908	5.913	5.916	5.919	5.922	5.923	5.924	5.924	5.923	5.921	5.919	5.914	5.910	5.905		
-0.75 A	146302	149186	152114	155087	158103	161162	164266	167413	170604	173838	177117	180439	183805	188936	192412	195932		
B	5.890	5.896	5.901	5.906	5.910	5.913	5.916	5.917	5.918	5.918	5.918	5.916	5.914	5.910	5.905	5.901		
-0.50 A	145414	148292	151213	154178	157187	160240	163336	166476	169660	172887	176158	179472	182831	187950	191419	194931		
B	5.883	5.889	5.895	5.900	5.904	5.907	5.910	5.912	5.913	5.913	5.913	5.911	5.909	5.905	5.901	5.896		
-0.25 A	144529	147399	150314	153272	156274	159320	162409	165542	168718	171938	175201	178508	181859	186968	190428	193933		
B	5.876	5.882	5.888	5.893	5.898	5.901	5.904	5.906	5.907	5.908	5.907	5.906	5.905	5.901	5.897	5.892		
0.00 A	143646	146510	149417	152368	155363	158402	161484	164610	167779	170991	174247	177547	180891	185988	189440	192937		
B	5.869	5.876	5.882	5.887	5.891	5.895	5.898	5.900	5.902	5.902	5.902	5.901	5.900	5.896	5.892	5.888		
0.25 A	142766	145622	148523	151467	154455	157487	160562	163680	166842	170047	173296	176588	179924	185010	188455	191944		
B	5.862	5.869	5.875	5.880	5.885	5.889	5.892	5.895	5.896	5.897	5.897	5.896	5.895	5.891	5.888	5.884		
0.50 A	141888	144738	147632	150569	153550	156574	159642	162753	165908	169106	172347	175632	178960	184035	187472	190954		
B	5.855	5.862	5.868	5.874	5.879	5.883	5.886	5.889	5.891	5.892	5.892	5.891	5.890	5.887	5.884	5.880		
0.75 A	141012	143856	146743	149673	152647	155664	158725	161829	164977	168167	171401	174679	177999	183062	186492	189966		
B	5.848	5.855	5.862	5.867	5.872	5.877	5.880	5.883	5.885	5.886	5.887	5.886	5.885	5.882	5.879	5.876		
1.00 A	140140	142976	145856	148780	151747	154757	157811	160907	164048	167231	170457	173727	177041	182092	185514	188980		
B	5.841	5.848	5.855	5.861	5.866	5.870	5.874	5.877	5.879	5.881	5.881	5.881	5.880	5.878	5.875	5.871		
1.25 A	139269	142099	144972	147889	150849	153852	156899	159988	163121	166297	169516	172779	176085	181125	184539	187997		
B	5.834	5.841	5.848	5.854	5.860	5.864	5.868	5.871	5.874	5.875	5.876	5.876	5.875	5.873	5.870	5.867		
1.50 A	138402	141225	144091	147001	149954	152950	155989	159072	162197	165366	168578	171833	175131	180160	183566	187017		
B	5.826	5.834	5.841	5.848	5.853	5.858	5.862	5.865	5.868	5.870	5.871	5.871	5.870	5.868	5.866	5.863		
1.75 A	137537	140353	143212	146115	149061	152050	155082	158158	161276	164437	167642	170889	174180	179197	182596	186039		
B	5.819	5.827	5.835	5.841	5.847	5.852	5.856	5.859	5.862	5.864	5.865	5.866	5.865	5.864	5.861	5.858		

TEMP DEG C		COMPRESSIBILITY DENSITY AT 15 DEGREES C										FALUK PER KILOPASCAL C KILOGRAM PER CUBIC METRE						F=1/(A+DP*B)			
		446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476				
2.00	A	136674	139483	142336	145232	148171	151153	154178	157246	160357	163511	166708	169948	173232	178237	181629	185064				
	B	5.812	5.820	5.828	5.834	5.840	5.845	5.850	5.854	5.856	5.859	5.860	5.861	5.860	5.859	5.857	5.854				
2.25	A	135814	138616	141462	144351	147283	150258	153276	156337	159441	162588	165777	169010	172286	177280	180664	184091				
	B	5.805	5.813	5.821	5.828	5.834	5.839	5.844	5.848	5.851	5.853	5.855	5.855	5.855	5.854	5.852	5.850				
2.50	A	134956	137752	140591	143473	146398	149366	152377	155431	158527	161667	164849	168074	171342	176325	179701	183121				
	B	5.798	5.806	5.814	5.821	5.827	5.833	5.838	5.842	5.845	5.847	5.849	5.850	5.850	5.849	5.848	5.845				
2.75	A	134101	136890	139722	142597	145516	148477	151480	154527	157616	160748	163923	167141	170402	175373	178742	182153				
	B	5.790	5.799	5.807	5.814	5.821	5.826	5.831	5.836	5.839	5.842	5.844	5.845	5.845	5.845	5.843	5.841				
3.00	A	133249	136031	138856	141725	144636	147590	150586	153626	156708	159832	163000	166210	169463	174424	177784	181188				
	B	5.783	5.792	5.800	5.808	5.814	5.820	5.825	5.830	5.833	5.836	5.838	5.840	5.840	5.840	5.838	5.836				
3.25	A	132399	135174	137993	140854	143758	146705	149695	152727	155802	158919	162079	165282	168528	173477	176830	180226				
	B	5.776	5.785	5.793	5.801	5.808	5.814	5.819	5.824	5.827	5.830	5.833	5.834	5.835	5.835	5.834	5.832				
3.50	A	131552	134320	137132	139986	142883	145823	148806	151831	154898	158008	161161	164357	167595	172532	175877	179266				
	B	5.768	5.778	5.786	5.794	5.801	5.807	5.813	5.817	5.821	5.825	5.827	5.829	5.830	5.830	5.829	5.828				
3.75	A	130707	133469	136273	139121	142011	144944	147919	150937	153997	157100	160246	163434	166664	171590	174928	178309				
	B	5.761	5.770	5.779	5.787	5.794	5.801	5.806	5.811	5.816	5.819	5.822	5.824	5.825	5.825	5.824	5.823				
4.00	A	129864	132620	135418	138258	141141	144067	147035	150046	153099	156195	159333	162513	165736	170651	173981	177354				
	B	5.754	5.763	5.772	5.780	5.788	5.794	5.800	5.805	5.810	5.813	5.816	5.818	5.820	5.820	5.820	5.818				
4.25	A	129025	131773	134564	137398	140274	143193	146154	149158	152203	155292	158422	161595	164811	169714	173036	176402				
	B	5.746	5.756	5.765	5.773	5.781	5.788	5.794	5.799	5.804	5.807	5.810	5.813	5.814	5.815	5.815	5.814				
4.50	A	128188	130929	133714	136540	139410	142321	145275	148272	151310	154391	157514	160680	163888	168780	172094	175452				
	B	5.739	5.749	5.758	5.766	5.774	5.781	5.787	5.793	5.798	5.802	5.805	5.807	5.809	5.810	5.810	5.809				
4.75	A	127353	130088	132865	135685	138548	141452	144399	147388	150420	153493	156609	159767	162968	167848	171155	174505				
	B	5.731	5.742	5.751	5.760	5.767	5.775	5.781	5.787	5.792	5.796	5.799	5.802	5.804	5.805	5.805	5.805				
5.00	A	126521	129249	132020	134833	137688	140586	143526	146508	149532	152598	155707	158857	162050	166919	170218	173560				
	B	5.724	5.734	5.744	5.753	5.761	5.768	5.775	5.780	5.786	5.790	5.794	5.796	5.799	5.800	5.801	5.800				
5.25	A	125692	128413	131177	133983	136832	139722	142655	145630	148647	151705	154807	157950	161135	165993	169284	172618				
	B	5.716	5.727	5.737	5.746	5.754	5.761	5.768	5.774	5.780	5.784	5.788	5.791	5.793	5.795	5.796	5.795				
5.50	A	124865	127580	130337	133136	135977	138861	141786	144754	147764	150815	153909	157045	160223	165069	168353	171679				
	B	5.709	5.720	5.729	5.739	5.747	5.755	5.762	5.768	5.773	5.778	5.782	5.785	5.788	5.790	5.791	5.791				
5.75	A	124041	126748	129499	132291	135126	138002	140921	143881	146884	149928	153014	156143	159313	164148	167424	170742				
	B	5.701	5.712	5.722	5.732	5.740	5.748	5.755	5.762	5.767	5.772	5.776	5.780	5.782	5.785	5.786	5.786				

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)		
		446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476		
6.00	A	123219	125920	128663	131449	134277	137146	140057	143011	146006	149043	152122	155243	158406	163229	166497	169808		
	B	5.694	5.705	5.715	5.725	5.733	5.741	5.749	5.755	5.761	5.766	5.771	5.774	5.777	5.780	5.781	5.781		
6.25	A	122400	125094	127831	130609	133430	136293	139197	142143	145131	148161	151232	154346	157501	162313	165574	168877		
	B	5.686	5.697	5.708	5.718	5.727	5.735	5.742	5.749	5.755	5.760	5.765	5.769	5.772	5.775	5.776	5.776		
6.50	A	121583	124271	127001	129772	132586	135442	138339	141278	144258	147281	150345	153451	156599	161399	164652	167948		
	B	5.678	5.690	5.701	5.710	5.720	5.728	5.736	5.743	5.749	5.754	5.759	5.763	5.766	5.770	5.771	5.772		
6.75	A	120769	123450	126173	128938	131745	134593	137483	140415	143389	146404	149461	152559	155699	160488	163734	167021		
	B	5.671	5.682	5.693	5.703	5.713	5.721	5.729	5.736	5.743	5.748	5.753	5.757	5.761	5.764	5.766	5.767		
7.00	A	119958	122632	125348	128106	130906	133747	136631	139555	142521	145529	148579	151670	154802	159580	162818	166098		
	B	5.663	5.675	5.686	5.696	5.706	5.714	5.723	5.730	5.736	5.742	5.747	5.752	5.755	5.759	5.761	5.762		
7.25	A	119149	121817	124526	127277	130070	132904	135780	138698	141657	144657	147699	150783	153908	158674	161904	165176		
	B	5.655	5.667	5.679	5.689	5.699	5.708	5.716	5.723	5.730	5.736	5.741	5.746	5.750	5.754	5.756	5.757		
7.50	A	118343	121004	123706	126451	129236	132064	134933	137843	140795	143788	146823	149899	153016	157771	160993	164258		
	B	5.648	5.660	5.671	5.682	5.692	5.701	5.709	5.717	5.724	5.730	5.735	5.740	5.744	5.749	5.751	5.752		
7.75	A	117539	120193	122889	125627	128405	131226	134088	136991	139935	142921	145948	149017	152127	156871	160085	163342		
	B	5.640	5.652	5.664	5.675	5.685	5.694	5.703	5.710	5.718	5.724	5.730	5.734	5.739	5.743	5.746	5.747		
8.00	A	116738	119386	122075	124805	127577	130390	133245	136141	139078	142057	145077	148138	151241	155973	159180	162428		
	B	5.632	5.645	5.656	5.667	5.678	5.687	5.696	5.704	5.711	5.718	5.724	5.729	5.733	5.738	5.741	5.742		
8.25	A	115940	118580	121263	123986	126751	129558	132405	135294	138224	141196	144208	147262	150357	155078	158277	161518		
	B	5.624	5.637	5.649	5.660	5.671	5.680	5.689	5.697	5.705	5.712	5.718	5.723	5.727	5.733	5.736	5.737		
8.50	A	115144	117778	120453	123170	125928	128728	131568	134450	137373	140337	143342	146388	149476	154185	157376	160609		
	B	5.617	5.629	5.641	5.653	5.663	5.673	5.682	5.691	5.698	5.705	5.712	5.717	5.722	5.727	5.730	5.733		
8.75	A	114351	116978	119647	122357	125108	127900	130734	133608	136524	139480	142478	145517	148597	153295	156478	159704		
	B	5.609	5.622	5.634	5.645	5.656	5.666	5.676	5.684	5.692	5.699	5.706	5.711	5.716	5.722	5.725	5.727		
9.00	A	113560	116181	118842	121546	124290	127075	129902	132769	135677	138627	141617	144648	147721	152407	155583	158801		
	B	5.601	5.614	5.626	5.638	5.649	5.659	5.669	5.678	5.686	5.693	5.699	5.705	5.710	5.717	5.720	5.722		
9.25	A	112772	115386	118041	120737	123475	126253	129072	131932	134834	137776	140759	143783	146848	151522	154691	157900		
	B	5.593	5.606	5.619	5.631	5.642	5.652	5.662	5.671	5.679	5.687	5.693	5.699	5.705	5.711	5.715	5.717		
9.50	A	111987	114594	117242	119931	122662	125433	128245	131098	133992	136927	139903	142919	145977	150640	153801	157003		
	B	5.585	5.599	5.611	5.623	5.635	5.645	5.655	5.664	5.673	5.680	5.687	5.693	5.699	5.706	5.709	5.712		
9.75	A	111204	113804	116446	119128	121852	124616	127421	130267	133154	136081	139049	142059	145109	149761	152913	156108		
	B	5.577	5.591	5.604	5.616	5.627	5.638	5.648	5.658	5.666	5.674	5.681	5.688	5.693	5.700	5.704	5.707		

TEMP DEG C		COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+UP*B) CUBIC METRE									
		446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476	478	480	482	484
10.00	A	110423	113017	115652	118328	121044	123802	126600	129438	132318	135238	138199	141201	144243	148884	152029	155215				
	B	5.569	5.583	5.596	5.609	5.620	5.631	5.641	5.651	5.660	5.668	5.675	5.682	5.687	5.695	5.699	5.702				
10.25	A	109646	112233	114861	117530	120240	122990	125781	128612	131485	134397	137351	140345	143380	148009	151147	154325				
	B	5.561	5.575	5.588	5.601	5.613	5.624	5.634	5.644	5.653	5.661	5.669	5.676	5.682	5.689	5.693	5.697				
10.50	A	108871	111451	114073	116735	119437	122181	124965	127789	130654	133560	136506	139492	142520	147137	150267	153438				
	B	5.553	5.567	5.581	5.594	5.606	5.617	5.628	5.637	5.647	5.655	5.663	5.670	5.676	5.684	5.688	5.692				
10.75	A	108098	110672	113287	115942	118638	121374	124151	126968	129826	132724	135663	138642	141662	146268	149390	152553				
	B	5.545	5.559	5.573	5.586	5.598	5.610	5.621	5.631	5.640	5.649	5.656	5.663	5.670	5.678	5.683	5.687				
11.00	A	107329	109896	112503	115152	117841	120570	123340	126150	129001	131892	134823	137795	140807	145402	148516	151671				
	B	5.537	5.552	5.565	5.579	5.591	5.603	5.614	5.624	5.633	5.642	5.650	5.657	5.664	5.673	5.677	5.681				
11.25	A	106562	109122	111723	114364	117046	119769	122532	125335	128178	131061	133985	136950	139955	144538	147644	150792				
	B	5.529	5.544	5.558	5.571	5.584	5.595	5.607	5.617	5.627	5.636	5.644	5.651	5.658	5.667	5.672	5.676				
11.50	A	105797	108351	110945	113580	116255	118970	121726	124522	127358	130234	133151	136108	139105	143677	146775	149915				
	B	5.521	5.536	5.550	5.563	5.576	5.588	5.600	5.610	5.620	5.629	5.638	5.645	5.652	5.661	5.666	5.671				
11.75	A	105035	107582	110170	112798	115466	118174	120923	123711	126540	129409	132318	135268	138258	142818	145909	149041				
	B	5.513	5.528	5.542	5.556	5.569	5.581	5.592	5.603	5.613	5.623	5.631	5.639	5.646	5.656	5.661	5.665				
12.00	A	104276	106816	109397	112018	114679	117381	120122	122904	125725	128587	131489	134431	137413	141962	145045	148169				
	B	5.504	5.520	5.534	5.548	5.561	5.574	5.585	5.596	5.607	5.616	5.625	5.633	5.640	5.650	5.655	5.660				
12.25	A	103519	106053	108627	111241	113895	116590	119324	122099	124913	127768	130662	133597	136571	141109	144184	147301				
	B	5.496	5.512	5.526	5.541	5.554	5.566	5.578	5.589	5.600	5.609	5.618	5.627	5.634	5.644	5.650	5.655				
12.50	A	102765	105292	107859	110467	113114	115802	118529	121296	124104	126951	129838	132765	135732	140258	143326	146434				
	B	5.488	5.504	5.519	5.533	5.546	5.559	5.571	5.582	5.593	5.603	5.612	5.620	5.628	5.638	5.644	5.649				
12.75	A	102014	104534	107095	109695	112336	115016	117737	120497	123297	126137	129016	131936	134895	139410	142470	145571				
	B	5.480	5.496	5.511	5.525	5.539	5.552	5.564	5.575	5.586	5.596	5.606	5.614	5.622	5.633	5.639	5.644				
13.00	A	101265	103779	106333	108926	111560	114233	116947	119700	122492	125325	128197	131109	134062	138565	141617	144710				
	B	5.472	5.488	5.503	5.517	5.531	5.544	5.557	5.568	5.579	5.590	5.599	5.608	5.616	5.627	5.633	5.639				
13.25	A	100519	103026	105573	108160	110787	113453	116159	118905	121691	124516	127381	130286	133230	137722	140767	143852				
	B	5.463	5.479	5.495	5.510	5.524	5.537	5.550	5.561	5.573	5.583	5.593	5.602	5.610	5.621	5.627	5.633				
13.50	A	99776	102276	104816	107396	110016	112676	115375	118114	120892	123710	126567	129465	132402	136882	139919	142996				
	B	5.455	5.471	5.487	5.502	5.516	5.530	5.542	5.554	5.566	5.576	5.586	5.595	5.604	5.615	5.622	5.628				
13.75	A	99035	101528	104062	106635	109248	111901	114593	117325	120096	122906	125756	128646	131576	136044	139074	142143				
	B	5.447	5.463	5.479	5.494	5.508	5.522	5.535	5.547	5.559	5.570	5.580	5.589	5.598	5.609	5.616	5.622				

COMPRESSION FACTOR PER KILOPASCAL $F = 1/(A + DP \cdot B)$
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476
14.00 A	98297	100784	103310	105877	108483	111129	113814	116538	119302	122105	124948	127830	130752	135210	138231	141293
B	5.438	5.455	5.471	5.486	5.501	5.515	5.528	5.540	5.552	5.563	5.573	5.583	5.591	5.603	5.610	5.617
14.25 A	97561	100041	102562	105121	107720	110359	113037	115754	118511	121307	124142	127017	129932	134378	137391	140445
B	5.430	5.447	5.463	5.478	5.493	5.507	5.520	5.533	5.545	5.556	5.567	5.576	5.585	5.597	5.605	5.611
14.50 A	96828	99302	101815	104368	106960	109592	112263	114973	117723	120511	123339	126207	129114	133548	136554	139600
B	5.421	5.439	5.455	5.471	5.485	5.500	5.513	5.526	5.538	5.549	5.560	5.570	5.579	5.591	5.599	5.606
14.75 A	96098	98565	101072	103618	106203	108828	111492	114195	116937	119718	122539	125399	128298	132721	135720	138758
B	5.413	5.430	5.447	5.463	5.478	5.492	5.506	5.519	5.531	5.543	5.553	5.563	5.573	5.586	5.593	5.600
15.00 A	95370	97831	100331	102870	105449	108066	110723	113419	116154	118928	121741	124594	127486	131897	134888	137918
B	5.405	5.422	5.439	5.455	5.470	5.485	5.498	5.512	5.524	5.536	5.547	5.557	5.567	5.580	5.587	5.594
15.25 A	94645	97099	99592	102125	104697	107307	109957	112646	115374	118141	120946	123791	126676	131076	134058	137081
B	5.396	5.414	5.431	5.447	5.462	5.477	5.491	5.504	5.517	5.529	5.540	5.550	5.560	5.573	5.581	5.589
15.50 A	93923	96370	98857	101383	103947	106551	109194	111875	114596	117356	120154	122992	125868	130257	133232	136246
B	5.388	5.405	5.422	5.439	5.454	5.469	5.484	5.497	5.510	5.522	5.533	5.544	5.554	5.567	5.576	5.583
15.75 A	93204	95644	98124	100643	103201	105797	108433	111108	113821	116573	119364	122194	125064	129441	132408	135415
B	5.379	5.397	5.414	5.431	5.447	5.462	5.476	5.490	5.503	5.515	5.527	5.537	5.548	5.561	5.570	5.577
16.00 A	92487	94921	97394	99906	102457	105047	107675	110343	113049	115794	118577	121400	124262	128627	131587	134586
B	5.370	5.389	5.406	5.423	5.439	5.454	5.469	5.482	5.496	5.508	5.520	5.531	5.541	5.555	5.564	5.572
16.25 A	91772	94200	96666	99171	101715	104298	106920	109580	112279	115017	117793	120608	123462	127816	130768	133759
B	5.362	5.380	5.398	5.415	5.431	5.446	5.461	5.475	5.489	5.501	5.513	5.524	5.535	5.549	5.558	5.566
16.50 A	91061	93481	95941	98440	100977	103553	106167	108820	111512	114242	117011	119819	122666	127008	129952	132936
B	5.353	5.372	5.390	5.407	5.423	5.439	5.454	5.468	5.481	5.494	5.506	5.518	5.528	5.543	5.552	5.560
16.75 A	90352	92766	95219	97711	100241	102810	105417	108063	110748	113471	116233	119033	121872	126203	129139	132115
B	5.345	5.363	5.381	5.399	5.415	5.431	5.446	5.460	5.474	5.487	5.499	5.511	5.522	5.537	5.546	5.554
17.00 A	89645	92053	94499	96984	99508	102070	104670	107309	109986	112702	115456	118249	121080	125400	128329	131296
B	5.336	5.355	5.373	5.390	5.407	5.423	5.438	5.453	5.467	5.480	5.493	5.504	5.515	5.531	5.540	5.549
17.25 A	88942	91343	93782	96260	98777	101332	103926	106557	109227	111936	114683	117468	120292	124600	127521	130481
B	5.327	5.346	5.365	5.382	5.399	5.415	5.431	5.446	5.460	5.473	5.486	5.498	5.509	5.524	5.534	5.543
17.50 A	88241	90635	93068	95539	98049	100597	103184	105808	108471	111172	113912	116690	119506	123803	126716	129668
B	5.319	5.338	5.356	5.374	5.391	5.408	5.423	5.438	5.452	5.466	5.479	5.491	5.502	5.518	5.528	5.537
17.75 A	87543	89930	92356	94821	97324	99865	102444	105062	107718	110411	113144	115914	118723	123008	125913	128857
B	5.310	5.329	5.348	5.366	5.383	5.400	5.416	5.431	5.445	5.459	5.472	5.484	5.496	5.512	5.522	5.531

COMPREHENSIVE TABLE OF DENSITIES FOR ALKYLAROMATICS
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476
18.00 A	86847	89228	91648	94105	96601	99136	101708	104318	106967	109653	112378	115141	117942	122216	125113	128050
18.00 B	5.301	5.321	5.340	5.358	5.375	5.392	5.408	5.423	5.438	5.452	5.465	5.477	5.489	5.506	5.516	5.525
18.25 A	86154	88529	90941	93392	95882	98409	100974	103577	106219	108898	111615	114371	117164	121427	124316	127245
18.25 B	5.292	5.312	5.331	5.349	5.367	5.384	5.400	5.416	5.431	5.445	5.458	5.471	5.483	5.499	5.510	5.519
18.50 A	85464	87832	90238	92682	95164	97685	100243	102839	105473	108145	110855	113603	116389	120640	123522	126443
18.50 B	5.284	5.303	5.323	5.341	5.359	5.376	5.392	5.408	5.423	5.437	5.451	5.464	5.476	5.493	5.503	5.513
18.75 A	84776	87138	89537	91975	94450	96963	99515	102104	104730	107395	110098	112838	115617	119856	122730	125643
18.75 B	5.275	5.295	5.314	5.333	5.351	5.368	5.385	5.401	5.416	5.430	5.444	5.457	5.469	5.487	5.497	5.507
19.00 A	84092	86446	88839	91270	93738	96245	98789	101371	103990	106648	109343	112076	114847	119075	121941	124846
19.00 B	5.266	5.286	5.306	5.325	5.343	5.360	5.377	5.393	5.408	5.423	5.437	5.450	5.463	5.480	5.491	5.501
19.25 A	83409	85758	88144	90567	93029	95529	98066	100641	103253	105903	108591	111317	114080	118296	121155	124052
19.25 B	5.257	5.277	5.297	5.316	5.335	5.352	5.369	5.385	5.401	5.416	5.430	5.443	5.456	5.474	5.485	5.495
19.50 A	82730	85071	87451	89868	92323	94815	97345	99913	102518	105161	107842	110560	113316	117521	120371	123261
19.50 B	5.248	5.269	5.289	5.308	5.326	5.344	5.361	5.378	5.393	5.408	5.423	5.436	5.449	5.467	5.479	5.489
19.75 A	82053	84388	86761	89171	91619	94105	96628	99188	101786	104422	107095	109806	112554	116747	119590	122472
19.75 B	5.239	5.260	5.280	5.299	5.318	5.336	5.353	5.370	5.386	5.401	5.416	5.429	5.443	5.461	5.472	5.483
20.00 A	81379	83707	86073	88477	90918	93397	95913	98466	101057	103685	106351	109054	111795	115977	118812	121686
20.00 B	5.230	5.251	5.271	5.291	5.310	5.328	5.346	5.362	5.378	5.394	5.409	5.423	5.436	5.454	5.466	5.477
20.25 A	80708	83029	85389	87786	90220	92692	95201	97747	100331	102952	105610	108306	111039	115209	118037	120902
20.25 B	5.221	5.242	5.263	5.283	5.302	5.320	5.338	5.355	5.371	5.387	5.401	5.416	5.429	5.448	5.460	5.471
20.50 A	80039	82354	84707	87097	89525	91989	94491	97030	99607	102221	104871	107560	110285	114444	117264	120122
20.50 B	5.212	5.234	5.254	5.274	5.293	5.312	5.330	5.347	5.363	5.379	5.394	5.409	5.422	5.441	5.453	5.465
20.75 A	79373	81682	84028	86411	88832	91290	93785	96317	98886	101492	104136	106816	109535	113682	116494	119344
20.75 B	5.203	5.225	5.246	5.266	5.285	5.304	5.322	5.339	5.356	5.372	5.387	5.402	5.415	5.435	5.447	5.458
21.00 A	78710	81012	83351	85728	88142	90592	93080	95605	98167	100766	103403	106076	108786	112922	115727	118569
21.00 B	5.194	5.216	5.237	5.257	5.277	5.296	5.314	5.331	5.348	5.364	5.380	5.394	5.409	5.428	5.441	5.452
21.25 A	78049	80345	82677	85047	87454	89898	92379	94897	97452	100044	102672	105338	108041	112165	114962	117796
21.25 B	5.185	5.207	5.228	5.249	5.268	5.287	5.306	5.324	5.341	5.357	5.373	5.387	5.402	5.422	5.434	5.446
21.50 A	77391	79680	82006	84369	86770	89207	91680	94191	96739	99323	101945	104603	107298	111411	114200	117026
21.50 B	5.176	5.198	5.219	5.240	5.260	5.279	5.298	5.316	5.333	5.349	5.365	5.380	5.395	5.415	5.428	5.440
21.75 A	76736	79019	81338	83694	86088	88518	90985	93488	96029	98606	101220	103871	106559	110660	113441	116259
21.75 B	5.167	5.189	5.211	5.231	5.252	5.271	5.290	5.308	5.325	5.342	5.358	5.373	5.388	5.408	5.421	5.433

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476	
22.00 A	76084	78360	80672	83022	85408	87832	90291	92788	95321	97891	100498	103141	105821	109911	112684	115495	
B	5.158	5.180	5.202	5.223	5.243	5.263	5.282	5.300	5.318	5.334	5.351	5.366	5.381	5.402	5.415	5.427	
22.25 A	75434	77703	80009	82352	84732	87148	89601	92090	94616	97179	99778	102414	105087	109165	111930	114733	
B	5.149	5.171	5.193	5.214	5.235	5.255	5.274	5.292	5.310	5.327	5.343	5.359	5.374	5.395	5.408	5.421	
22.50 A	74787	77050	79349	81685	84058	86467	88913	91396	93914	96470	99061	101690	104355	108422	111179	113974	
B	5.139	5.162	5.184	5.206	5.226	5.246	5.266	5.284	5.302	5.319	5.336	5.352	5.367	5.388	5.402	5.414	
22.75 A	74143	76399	78692	81021	83387	85789	88228	90703	93215	95763	98348	100968	103626	107681	110431	113218	
B	5.130	5.153	5.175	5.197	5.218	5.238	5.257	5.276	5.294	5.312	5.328	5.344	5.360	5.382	5.395	5.408	
23.00 A	73501	75751	78037	80360	82719	85114	87546	90014	92518	95059	97636	100250	102900	106944	109686	112465	
B	5.121	5.144	5.166	5.188	5.209	5.230	5.249	5.268	5.287	5.304	5.321	5.337	5.353	5.375	5.389	5.402	
23.25 A	72863	75105	77385	79701	82053	84442	86866	89327	91825	94358	96928	99534	102176	106209	108943	111714	
B	5.112	5.135	5.158	5.179	5.201	5.221	5.241	5.260	5.279	5.296	5.314	5.330	5.346	5.368	5.382	5.395	
23.50 A	72226	74463	76736	79045	81390	83772	86190	88644	91134	93660	96222	98821	101455	105476	108203	110966	
B	5.102	5.126	5.149	5.171	5.192	5.213	5.233	5.252	5.271	5.289	5.306	5.323	5.339	5.361	5.375	5.389	
23.75 A	71593	73823	76089	78392	80730	83105	85516	87962	90445	92964	95519	98110	100737	104747	107465	110221	
B	5.093	5.117	5.140	5.162	5.184	5.204	5.225	5.244	5.263	5.281	5.299	5.315	5.331	5.354	5.369	5.382	
24.00 A	70962	73186	75445	77741	80073	82441	84844	87284	89760	92271	94819	97402	100022	104020	106731	109478	
B	5.084	5.108	5.131	5.153	5.175	5.196	5.216	5.236	5.255	5.273	5.291	5.308	5.324	5.347	5.362	5.376	
24.25 A	70334	72551	74804	77093	79418	81779	84176	86608	89077	91581	94121	96697	99309	103296	105999	108738	
B	5.074	5.098	5.122	5.144	5.166	5.187	5.208	5.228	5.247	5.266	5.283	5.301	5.317	5.340	5.355	5.369	
24.50 A	69709	71920	74166	76448	78766	81120	83510	85935	88397	90894	93426	95995	98600	102574	105269	108001	
B	5.065	5.089	5.113	5.135	5.158	5.179	5.200	5.220	5.239	5.258	5.276	5.293	5.310	5.334	5.348	5.363	
24.75 A	69087	71291	73530	75806	78117	80464	82847	85265	87719	90209	92734	95296	97893	101856	104543	107267	
B	5.056	5.080	5.104	5.127	5.149	5.170	5.191	5.212	5.231	5.250	5.268	5.286	5.303	5.327	5.342	5.356	
25.00 A	68467	70664	72897	75166	77471	79811	82187	84598	87045	89527	92045	94599	97188	101140	103819	106535	
B	5.046	5.071	5.095	5.118	5.140	5.162	5.183	5.203	5.223	5.242	5.261	5.278	5.295	5.320	5.335	5.350	
25.25 A	67850	70041	72267	74529	76827	79160	81529	83933	86373	88848	91359	93905	96487	100427	103098	105806	
B	5.037	5.061	5.085	5.109	5.131	5.153	5.175	5.195	5.215	5.234	5.253	5.271	5.288	5.313	5.328	5.343	
25.50 A	67236	69420	71640	73895	76186	78512	80874	83271	85704	88171	90675	93213	95788	99716	102380	105080	
B	5.027	5.052	5.076	5.100	5.123	5.145	5.166	5.187	5.207	5.227	5.245	5.263	5.281	5.306	5.321	5.336	
25.75 A	66625	68802	71015	73264	75548	77867	80222	82612	85037	87498	89994	92525	95092	99009	101665	104357	
B	5.018	5.043	5.067	5.091	5.114	5.136	5.158	5.179	5.199	5.219	5.238	5.256	5.273	5.299	5.314	5.330	

TEMP DEG C		COMPRESSIBILITY FACTOR FOR KILOGRAM PER DENSITY AT 15 DEGREES C												CUBIC METRE PER KILOGRAM			
		446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476
26.00	A	66016	68187	70393	72635	74913	77225	79573	81956	84374	86827	89315	91839	94398	98304	100952	103636
	B	5.008	5.033	5.058	5.082	5.105	5.128	5.149	5.171	5.191	5.211	5.230	5.248	5.266	5.291	5.308	5.323
26.25	A	65410	67574	69774	72010	74280	76586	78926	81302	83713	86159	88640	91156	93708	97602	100242	102919
	B	4.999	5.024	5.049	5.073	5.096	5.119	5.141	5.162	5.183	5.203	5.222	5.241	5.259	5.284	5.301	5.316
26.50	A	64807	66965	69158	71386	73650	75949	78283	80651	83055	85494	87967	90476	93020	96902	99535	102204
	B	4.989	5.015	5.039	5.064	5.087	5.110	5.132	5.154	5.175	5.195	5.214	5.233	5.251	5.277	5.294	5.309
26.75	A	64206	66358	68544	70766	73023	75315	77642	80003	82400	84831	87297	89799	92335	96206	98831	101491
	B	4.979	5.005	5.030	5.055	5.078	5.101	5.124	5.146	5.167	5.187	5.207	5.226	5.244	5.270	5.287	5.303
27.00	A	63608	65753	67934	70149	72399	74684	77003	79358	81747	84171	86630	89124	91653	95512	98129	100782
	B	4.970	4.996	5.021	5.046	5.069	5.093	5.115	5.137	5.158	5.179	5.199	5.218	5.236	5.263	5.280	5.296
27.25	A	63013	65152	67325	69534	71777	74055	76368	78715	81097	83514	85966	88452	90973	94821	97430	100075
	B	4.960	4.986	5.012	5.036	5.061	5.084	5.107	5.129	5.150	5.171	5.191	5.210	5.229	5.256	5.273	5.289
27.50	A	62421	64553	66720	68922	71158	73429	75735	78075	80450	82860	85304	87783	90296	94133	96734	99371
	B	4.950	4.977	5.002	5.027	5.052	5.075	5.098	5.120	5.142	5.163	5.183	5.203	5.221	5.249	5.266	5.282
27.75	A	61832	63957	66118	68313	70542	72806	75105	77438	79806	82208	84645	87116	89623	93447	96041	98670
	B	4.941	4.967	4.993	5.018	5.043	5.066	5.089	5.112	5.134	5.155	5.175	5.195	5.214	5.241	5.259	5.275
28.00	A	61245	63364	65518	67706	69929	72186	74478	76804	79165	81560	83989	86453	88951	92764	95350	97971
	B	4.931	4.958	4.984	5.009	5.034	5.058	5.081	5.103	5.125	5.147	5.167	5.187	5.206	5.234	5.252	5.269
28.25	A	60661	62774	64921	67102	69319	71569	73854	76173	78526	80914	83336	85792	88283	92084	94662	97275
	B	4.921	4.948	4.974	5.000	5.025	5.049	5.072	5.095	5.117	5.139	5.159	5.179	5.199	5.227	5.245	5.262
28.50	A	60080	62186	64327	66502	68711	70954	73232	75544	77890	80270	82685	85134	87617	91407	93977	96582
	B	4.911	4.938	4.965	4.990	5.015	5.040	5.063	5.086	5.109	5.130	5.151	5.172	5.191	5.219	5.237	5.255
28.75	A	59502	61601	63735	65903	68106	70343	72613	74918	77257	79630	82037	84479	86954	90733	93295	95892
	B	4.902	4.929	4.955	4.981	5.006	5.031	5.055	5.078	5.100	5.122	5.143	5.164	5.184	5.212	5.230	5.248
29.00	A	58926	61019	63147	65308	67504	69734	71997	74295	76627	78992	81392	83826	86294	90061	92616	95205
	B	4.892	4.919	4.946	4.972	4.997	5.022	5.046	5.069	5.092	5.114	5.135	5.156	5.176	5.205	5.223	5.241
29.25	A	58353	60440	62561	64716	66904	69127	71384	73675	75999	78358	80750	83177	85637	89392	91939	94520
	B	4.882	4.909	4.936	4.963	4.988	5.013	5.037	5.061	5.084	5.106	5.127	5.148	5.168	5.197	5.216	5.234
29.50	A	57783	59863	61978	64126	66308	68524	70774	73057	75374	77726	80111	82530	84983	88726	91265	93839
	B	4.872	4.900	4.927	4.953	4.979	5.004	5.028	5.052	5.075	5.098	5.119	5.140	5.161	5.190	5.209	5.227
29.75	A	57216	59290	61397	63539	65714	67923	70166	72442	74753	77096	79474	81886	84331	88063	90594	93159
	B	4.862	4.890	4.917	4.944	4.970	4.995	5.020	5.043	5.067	5.089	5.111	5.132	5.153	5.182	5.201	5.220

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)		
	446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476		
30.00 A	56652	58719	60820	62955	65123	67325	69561	71830	74133	76470	78840	81244	83682	87403	89926	92483		
30.00 B	4.852	4.880	4.908	4.934	4.961	4.986	5.011	5.035	5.058	5.081	5.103	5.124	5.145	5.175	5.194	5.213		
30.25 A	56090	58151	60245	62373	64535	66730	68959	71221	73517	75846	78209	80606	83036	86745	89260	91810		
30.25 B	4.842	4.871	4.898	4.925	4.951	4.977	5.002	5.026	5.050	5.073	5.095	5.116	5.137	5.168	5.187	5.205		
30.50 A	55531	57585	59673	61794	63949	66138	68360	70615	72904	75226	77581	79970	82393	86090	88597	91139		
30.50 B	4.832	4.861	4.889	4.916	4.942	4.968	4.993	5.017	5.041	5.064	5.087	5.108	5.130	5.160	5.179	5.198		
30.75 A	54975	57023	59104	61219	63367	65548	67763	70011	72293	74607	76956	79337	81752	85438	87937	90471		
30.75 B	4.822	4.851	4.879	4.906	4.933	4.959	4.984	5.009	5.033	5.056	5.079	5.100	5.122	5.152	5.172	5.191		
31.00 A	54422	56463	58538	60646	62787	64962	67170	69411	71685	73992	76333	78707	81114	84789	87280	89806		
31.00 B	4.812	4.841	4.869	4.897	4.923	4.950	4.975	5.000	5.024	5.047	5.070	5.092	5.114	5.145	5.165	5.184		
31.25 A	53871	55906	57974	60075	62210	64378	66579	68813	71080	73380	75713	78080	80479	84142	86626	89144		
31.25 B	4.802	4.831	4.860	4.887	4.914	4.940	4.966	4.991	5.015	5.039	5.062	5.084	5.106	5.137	5.157	5.177		
31.50 A	53323	55352	57413	59508	61636	63797	65991	68218	70477	72770	75096	77455	79847	83498	85974	88484		
31.50 B	4.792	4.821	4.850	4.878	4.905	4.931	4.957	4.982	5.007	5.031	5.054	5.076	5.098	5.130	5.150	5.169		
31.75 A	52779	54800	56855	58943	61064	63218	65405	67625	69878	72163	74482	76833	79218	82858	85326	87828		
31.75 B	4.782	4.811	4.840	4.868	4.895	4.922	4.948	4.973	4.998	5.022	5.046	5.068	5.090	5.122	5.142	5.162		
32.00 A	52236	54252	56300	58382	60496	62643	64823	67036	69281	71559	73870	76215	78592	82219	84680	87174		
32.00 B	4.772	4.801	4.830	4.858	4.886	4.913	4.939	4.965	4.989	5.014	5.037	5.060	5.082	5.114	5.135	5.155		
32.25 A	51697	53706	55748	57823	59930	62070	64243	66449	68687	70958	73262	75598	77968	81584	84037	86523		
32.25 B	4.762	4.791	4.821	4.849	4.877	4.904	4.930	4.956	4.981	5.005	5.029	5.052	5.074	5.107	5.128	5.148		
32.50 A	51161	53163	55198	57266	59367	61501	63667	65865	68096	70360	72656	74985	77347	80952	83396	85874		
32.50 B	4.752	4.781	4.811	4.839	4.867	4.894	4.921	4.947	4.972	4.997	5.021	5.044	5.066	5.099	5.120	5.140		
32.75 A	50627	52623	54652	56713	58807	60934	63093	65284	67508	69764	72053	74375	76729	80322	82759	85229		
32.75 B	4.741	4.771	4.801	4.830	4.858	4.885	4.912	4.938	4.963	4.988	5.012	5.036	5.058	5.091	5.112	5.133		
33.00 A	50096	52085	54108	56162	58250	60369	62521	64706	66922	69172	71453	73767	76114	79695	82124	84586		
33.00 B	4.731	4.761	4.791	4.820	4.848	4.876	4.903	4.929	4.954	4.979	5.004	5.027	5.050	5.084	5.105	5.126		
33.25 A	49568	51551	53567	55615	57695	59808	61953	64130	66340	68582	70856	73162	75501	79071	81492	83946		
33.25 B	4.721	4.751	4.781	4.810	4.839	4.866	4.893	4.920	4.946	4.971	4.995	5.019	5.042	5.076	5.097	5.118		
33.50 A	49043	51019	53028	55070	57143	59249	61387	63558	65760	67994	70261	72560	74892	78450	80863	83309		
33.50 B	4.711	4.741	4.771	4.800	4.829	4.857	4.884	4.911	4.937	4.962	4.987	5.011	5.034	5.068	5.090	5.111		
33.75 A	48520	50490	52493	54528	56595	58694	60825	62988	65183	67410	69670	71961	74285	77832	80237	82675		
33.75 B	4.700	4.731	4.761	4.791	4.819	4.848	4.875	4.902	4.928	4.954	4.978	5.003	5.026	5.060	5.082	5.103		

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOGRAM PER DENSITY AT 15 DEGREES C										F = 1/(A * D * T) ^{0.5} CUBIC METRE					
	446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476
34.00 A	48000	49964	51960	53988	56049	58141	60265	62421	64609	66829	69081	71365	73681	77216	79614	82044
34.00 B	4.690	4.721	4.751	4.781	4.810	4.838	4.866	4.893	4.919	4.945	4.970	4.994	5.018	5.052	5.074	5.096
34.25 A	47484	49441	51430	53452	55505	57591	59708	61857	64038	66250	68495	70771	73080	76603	78993	81415
34.25 B	4.680	4.711	4.741	4.771	4.800	4.829	4.857	4.884	4.910	4.936	4.961	4.986	5.010	5.044	5.067	5.088
34.50 A	46970	48920	50903	52918	54965	57043	59154	61295	63469	65674	67912	70181	72482	75993	78375	80789
34.50 B	4.669	4.701	4.731	4.761	4.791	4.819	4.847	4.875	4.901	4.927	4.953	4.978	5.002	5.037	5.059	5.081
34.75 A	46458	48403	50379	52387	54427	56499	58602	60737	62903	65101	67331	69593	71886	75386	77760	80167
34.75 B	4.659	4.690	4.721	4.751	4.781	4.810	4.838	4.865	4.892	4.919	4.944	4.969	4.993	5.029	5.051	5.073
35.00 A	45950	47888	49858	51859	53893	55957	58054	60181	62341	64531	66754	69008	71294	74782	77148	79546
35.00 B	4.649	4.680	4.711	4.742	4.771	4.800	4.829	4.856	4.883	4.910	4.936	4.961	4.985	5.021	5.043	5.066
35.25 A	45445	47376	49339	51334	53361	55419	57508	59629	61781	63964	66179	68426	70704	74181	76539	78929
35.25 B	4.638	4.670	4.701	4.732	4.761	4.791	4.819	4.847	4.874	4.901	4.927	4.952	4.977	5.013	5.036	5.058
35.50 A	44942	46867	48824	50812	52832	54883	56965	59079	61223	63400	65607	67846	70117	73582	75932	78315
35.50 B	4.628	4.660	4.691	4.722	4.752	4.781	4.810	4.838	4.865	4.892	4.918	4.944	4.969	5.005	5.028	5.050
35.75 A	44442	46361	48311	50293	52305	54350	56425	58532	60669	62838	65038	67270	69533	72986	75329	77703
35.75 B	4.617	4.649	4.681	4.712	4.742	4.772	4.800	4.829	4.856	4.883	4.910	4.935	4.960	4.997	5.020	5.043
36.00 A	43945	45857	47801	49776	51782	53819	55888	57987	60118	62279	64472	66696	68951	72394	74728	77094
36.00 B	4.607	4.639	4.671	4.702	4.732	4.762	4.791	4.819	4.847	4.874	4.901	4.927	4.952	4.989	5.012	5.035
36.25 A	43451	45357	47294	49262	51262	53292	55353	57446	59569	61723	63909	66125	68373	71803	74130	76488
36.25 B	4.596	4.629	4.661	4.692	4.722	4.752	4.782	4.810	4.838	4.865	4.892	4.918	4.944	4.981	5.004	5.027
36.50 A	42959	44859	46790	48751	50744	52768	54822	56907	59023	61170	63348	65557	67797	71216	73535	75885
36.50 B	4.586	4.618	4.650	4.682	4.712	4.743	4.772	4.801	4.829	4.857	4.883	4.910	4.935	4.972	4.996	5.020
36.75 A	42471	44364	46288	48243	50229	52246	54293	56372	58480	60620	62791	64992	67225	70632	72943	75285
36.75 B	4.575	4.608	4.640	4.672	4.703	4.733	4.763	4.792	4.820	4.848	4.875	4.901	4.927	4.964	4.988	5.012
37.00 A	41985	43872	45789	47738	49717	51727	53768	55839	57940	60073	62236	64430	66655	70050	72353	74688
37.00 B	4.564	4.597	4.630	4.662	4.693	4.723	4.753	4.782	4.811	4.839	4.866	4.892	4.918	4.956	4.980	5.004
37.25 A	41502	43383	45294	47236	49208	51211	53245	55309	57403	59528	61684	63871	66088	69472	71767	74093
37.25 B	4.554	4.587	4.620	4.651	4.683	4.713	4.743	4.773	4.802	4.830	4.857	4.884	4.910	4.948	4.973	4.996
37.50 A	41022	42896	44801	46736	48702	50698	52725	54782	56869	58987	61135	63314	65524	68896	71183	73502
37.50 B	4.543	4.576	4.609	4.641	4.673	4.704	4.734	4.763	4.792	4.821	4.848	4.875	4.901	4.940	4.965	4.989
37.75 A	40545	42413	44311	46239	48198	50188	52207	54257	56337	58448	60589	62760	64962	68323	70602	72913
37.75 B	4.532	4.566	4.599	4.631	4.663	4.694	4.724	4.754	4.783	4.812	4.839	4.866	4.893	4.932	4.956	4.981

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+DP*B)									
		446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476				
38.00	A	40071	41932	43824	45746	47698	49680	51693	53736	55809	57912	60046	62209	64404	67753	70024	72327				
	B	4.522	4.555	4.589	4.621	4.653	4.684	4.715	4.745	4.774	4.802	4.830	4.858	4.884	4.923	4.948	4.973				
38.25	A	39600	41454	43339	45255	47200	49176	51181	53217	55283	57379	59505	61662	63848	67186	69449	71744				
	B	4.511	4.545	4.578	4.611	4.643	4.674	4.705	4.735	4.765	4.793	4.821	4.849	4.876	4.915	4.940	4.965				
38.50	A	39131	40979	42858	44766	46705	48674	50673	52702	54760	56849	58968	61116	63296	66621	68877	71163				
	B	4.500	4.534	4.568	4.601	4.633	4.664	4.695	4.726	4.755	4.784	4.813	4.840	4.867	4.907	4.932	4.957				
38.75	A	38665	40507	42379	44281	46213	48175	50167	52189	54240	56322	58433	60574	62746	66060	68307	70586				
	B	4.489	4.524	4.557	4.590	4.623	4.654	4.686	4.716	4.746	4.775	4.804	4.831	4.859	4.898	4.924	4.949				
39.00	A	38202	40038	41903	43799	45724	47679	49664	51679	53723	55797	57901	60035	62199	65501	67741	70011				
	B	4.479	4.513	4.547	4.580	4.613	4.645	4.676	4.706	4.736	4.766	4.795	4.823	4.850	4.890	4.916	4.941				
39.25	A	37742	39572	41431	43319	45238	47186	49164	51172	53209	55276	57372	59498	61655	64945	67177	69440				
	B	4.468	4.502	4.536	4.570	4.603	4.635	4.666	4.697	4.727	4.757	4.786	4.814	4.841	4.882	4.908	4.933				
39.50	A	37285	39108	40961	42843	44755	46696	48667	50667	52697	54757	56846	58965	61113	64392	66616	68871				
	B	4.457	4.492	4.526	4.559	4.592	4.625	4.656	4.687	4.718	4.747	4.777	4.805	4.833	4.873	4.900	4.925				
39.75	A	36831	38647	40493	42369	44274	46209	48173	50166	52189	54241	56323	58434	60575	63842	66058	68305				
	B	4.446	4.481	4.515	4.549	4.582	4.615	4.647	4.678	4.708	4.738	4.767	4.796	4.824	4.865	4.891	4.917				
40.00	A	36380	38190	40029	41898	43797	45724	47681	49668	51683	53728	55802	57906	60039	63295	65503	67742				
	B	4.435	4.470	4.505	4.539	4.572	4.605	4.637	4.668	4.699	4.729	4.758	4.787	4.815	4.856	4.883	4.909				
40.25	A	35931	37735	39568	41430	43322	45243	47193	49172	51181	53218	55285	57381	59507	62751	64951	67181				
	B	4.424	4.460	4.494	4.528	4.562	4.595	4.627	4.658	4.689	4.720	4.749	4.778	4.807	4.848	4.875	4.901				
40.50	A	35486	37283	39109	40965	42850	44764	46707	48679	50681	52711	54770	56859	58977	62210	64402	66624				
	B	4.413	4.449	4.484	4.518	4.552	4.585	4.617	4.649	4.680	4.710	4.740	4.769	4.798	4.840	4.867	4.893				
40.75	A	35043	36834	38654	40503	42381	44288	46225	48190	50184	52207	54259	56340	58450	61671	63855	66070				
	B	4.402	4.438	4.473	4.508	4.541	4.575	4.607	4.639	4.670	4.701	4.731	4.760	4.789	4.831	4.858	4.885				
41.00	A	34603	36387	38201	40043	41915	43815	45745	47703	49690	51705	53750	55824	57926	61135	63312	65518				
	B	4.391	4.427	4.462	4.497	4.531	4.564	4.597	4.629	4.661	4.692	4.722	4.751	4.780	4.822	4.850	4.877				
41.25	A	34166	35944	37751	39587	41452	43345	45268	47219	49198	51207	53244	55310	57405	60603	62771	64969				
	B	4.380	4.416	4.452	4.487	4.521	4.554	4.587	4.619	4.651	4.682	4.713	4.742	4.771	4.814	4.841	4.868				
41.50	A	33732	35503	37304	39133	40992	42878	44794	46738	48710	50711	52741	54800	56887	60073	62233	64423				
	B	4.369	4.405	4.441	4.476	4.510	4.544	4.577	4.610	4.642	4.673	4.703	4.733	4.763	4.805	4.833	4.860				
41.75	A	33301	35066	36860	38683	40534	42414	44322	46259	48225	50218	52241	54292	56372	59546	61698	63881				
	B	4.358	4.395	4.430	4.466	4.500	4.534	4.567	4.600	4.632	4.663	4.694	4.724	4.754	4.797	4.825	4.852				

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C										F=1/(ATDPTD) CUBIC METRE									
		446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476	478	480	482	484
42.00	A	32872	34631	36419	38235	40080	41953	43854	45784	47742	49729	51744	53787	55859	59022	61166	63340				
	B	4.347	4.384	4.420	4.455	4.490	4.524	4.557	4.590	4.622	4.654	4.685	4.715	4.745	4.788	4.816	4.844				
42.25	A	32447	34199	35980	37790	39528	41494	43389	45312	47263	49242	51249	53285	55350	58501	60637	62803				
	B	4.336	4.373	4.409	4.444	4.479	4.514	4.547	4.580	4.613	4.644	4.675	4.706	4.736	4.779	4.808	4.835				
42.50	A	32024	33770	35545	37348	39179	41039	42926	44842	46786	48758	50758	52786	54843	57982	60111	62269				
	B	4.325	4.362	4.398	4.434	4.469	4.503	4.537	4.570	4.603	4.635	4.666	4.697	4.727	4.771	4.799	4.827				
42.75	A	31604	33344	35113	36909	38734	40586	42467	44375	46312	48277	50269	52290	54340	57467	59588	61738				
	B	4.314	4.351	4.387	4.423	4.458	4.493	4.527	4.560	4.593	4.625	4.657	4.688	4.718	4.762	4.791	4.819				
43.00	A	31188	32921	34683	36473	38291	40136	42010	43912	45841	47798	49784	51797	53839	56954	59067	61209				
	B	4.302	4.340	4.376	4.412	4.448	4.483	4.517	4.550	4.583	4.616	4.647	4.678	4.709	4.753	4.782	4.810				
43.25	A	30774	32501	34256	36039	37851	39690	41556	43451	45373	47323	49301	51307	53341	56445	58550	60684				
	B	4.291	4.329	4.366	4.402	4.437	4.472	4.507	4.540	4.574	4.606	4.638	4.669	4.700	4.745	4.774	4.802				
43.50	A	30363	32084	33832	35609	37414	39246	41105	42993	44908	46851	48821	50819	52846	55938	58035	60161				
	B	4.280	4.318	4.355	4.391	4.427	4.462	4.497	4.530	4.564	4.596	4.628	4.660	4.691	4.736	4.765	4.794				
43.75	A	29955	31669	33412	35182	36979	38805	40658	42538	44446	46381	48344	50335	52354	55434	57523	59641				
	B	4.269	4.306	4.344	4.380	4.416	4.452	4.486	4.520	4.554	4.587	4.619	4.651	4.682	4.727	4.756	4.785				
44.00	A	29550	31258	32994	34757	36548	38367	40213	42086	43986	45915	47870	49854	51865	54933	57015	59124				
	B	4.257	4.295	4.333	4.370	4.406	4.441	4.476	4.510	4.544	4.577	4.610	4.641	4.673	4.718	4.748	4.777				
44.25	A	29147	30849	32578	34335	36120	37931	39770	41637	43530	45451	47399	49375	51378	54435	56509	58610				
	B	4.246	4.284	4.322	4.359	4.395	4.431	4.466	4.500	4.534	4.567	4.600	4.632	4.663	4.709	4.739	4.768				
44.50	A	28748	30443	32166	33917	35694	37499	39331	41190	43077	44990	46931	48899	50895	53940	56006	58099				
	B	4.235	4.273	4.311	4.348	4.384	4.420	4.456	4.490	4.524	4.558	4.590	4.623	4.654	4.700	4.730	4.760				
44.75	A	28351	30041	31757	33501	35272	37070	38895	40747	42626	44532	46466	48426	50414	53448	55505	57591				
	B	4.223	4.262	4.300	4.337	4.374	4.410	4.445	4.480	4.514	4.548	4.581	4.613	4.645	4.691	4.722	4.751				
45.00	A	27958	29641	31351	33088	34852	36643	38462	40307	42179	44078	46003	47957	49937	52959	55008	57086				
	B	4.212	4.251	4.289	4.326	4.363	4.399	4.435	4.470	4.504	4.538	4.571	4.604	4.636	4.683	4.713	4.743				
45.25	A	27567	29244	30947	32678	34436	36220	38031	39869	41734	43626	45544	47490	49462	52473	54514	56583				
	B	4.201	4.239	4.278	4.315	4.352	4.389	4.425	4.460	4.494	4.528	4.562	4.594	4.627	4.674	4.704	4.734				
45.50	A	27180	28850	30547	32271	34022	35799	37604	39435	41292	43177	45088	47026	48991	51989	54023	56084				
	B	4.189	4.228	4.267	4.304	4.342	4.378	4.414	4.450	4.484	4.519	4.552	4.585	4.617	4.665	4.695	4.725				
45.75	A	26795	28459	30149	31867	33611	35382	37179	39003	40853	42730	44634	46565	48522	51509	53534	55587				
	B	4.178	4.217	4.256	4.294	4.331	4.368	4.404	4.439	4.474	4.509	4.542	4.576	4.608	4.656	4.687	4.717				

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C										F=1/(A+DP*B) CUBIC METRE					
	446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476
46.00 A	26413	28070	29755	31466	33203	34967	36757	38574	40417	42287	44183	46106	48056	51031	53049	55094
B	4.166	4.206	4.244	4.283	4.320	4.357	4.394	4.429	4.464	4.499	4.533	4.566	4.599	4.647	4.678	4.708
46.25 A	26034	27685	29363	31067	32798	34555	36339	38148	39985	41847	43736	45651	47593	50557	52566	54603
B	4.155	4.194	4.233	4.272	4.309	4.347	4.383	4.419	4.454	4.489	4.523	4.557	4.589	4.638	4.669	4.700
46.50 A	25658	27303	28974	30672	32396	34146	35923	37726	39554	41410	43291	45199	47133	50085	52086	54115
B	4.143	4.183	4.222	4.261	4.299	4.336	4.373	4.409	4.444	4.479	4.513	4.547	4.580	4.628	4.660	4.691
46.75 A	26923	28588	30279	31997	33740	35510	37306	39127	40975	42849	44750	46676	48616	51610	53630	55630
B	4.171	4.211	4.250	4.288	4.325	4.362	4.398	4.434	4.469	4.504	4.537	4.571	4.619	4.651	4.682	4.712
47.00 A	26547	28205	29890	31601	33337	35100	36889	38703	40544	42410	44303	46222	48150	51136	53149	55149
B	4.160	4.200	4.239	4.277	4.315	4.352	4.388	4.424	4.459	4.494	4.528	4.561	4.610	4.642	4.673	4.703
47.25 A	26173	27825	29503	31208	32937	34693	36475	38282	40115	41974	43860	45771	48687	50665	52670	54665
B	4.149	4.188	4.227	4.266	4.304	4.341	4.378	4.414	4.449	4.484	4.518	4.552	4.601	4.633	4.665	4.695
47.50 A	27448	29120	30817	32540	34289	36064	37864	39690	41541	43419	45323	48228	50197	52194	54194	56194
B	4.177	4.216	4.255	4.293	4.331	4.367	4.404	4.440	4.474	4.509	4.542	4.592	4.624	4.656	4.686	4.716
47.75 A	27074	28739	30430	32146	33888	35656	37449	39267	41111	42981	44877	46771	48671	49732	51720	53710
B	4.166	4.205	4.244	4.282	4.320	4.357	4.393	4.429	4.464	4.499	4.533	4.583	4.615	4.647	4.677	4.707
48.00 A	26703	28361	30045	31755	33490	35250	37036	38847	40684	42547	44435	46347	48271	49270	51250	53230
B	4.154	4.194	4.233	4.272	4.309	4.347	4.383	4.419	4.454	4.489	4.523	4.573	4.606	4.638	4.668	4.698
48.25 A	27987	29664	31367	33095	34848	36627	38431	40260	42115	43996	46865	48811	50783	52733	54683	56633
B	4.183	4.222	4.261	4.299	4.336	4.373	4.409	4.445	4.480	4.514	4.564	4.597	4.629	4.661	4.693	4.725
48.50 A	27615	29286	30981	32703	34449	36220	38017	39839	41686	43559	46417	48355	50319	52270	54220	56170
B	4.172	4.211	4.250	4.288	4.326	4.363	4.399	4.435	4.470	4.504	4.555	4.588	4.620	4.652	4.684	4.716
48.75 A	27246	28910	30599	32313	34052	35817	37606	39421	41261	43126	45007	46894	48787	49794	51693	53598
B	4.160	4.200	4.239	4.277	4.315	4.352	4.389	4.425	4.460	4.495	4.546	4.579	4.611	4.643	4.675	4.707
49.00 A	28537	30220	31927	33659	35416	37198	39005	40838	42695	44576	46471	48381	50306	52246	54191	56141
B	4.189	4.228	4.267	4.305	4.342	4.379	4.415	4.450	4.485	4.519	4.560	4.593	4.625	4.657	4.689	4.721
49.25 A	28168	29843	31544	33269	35019	36793	38593	40418	42268	44133	46014	47901	49794	51693	53598	55508
B	4.178	4.217	4.256	4.294	4.332	4.368	4.405	4.440	4.475	4.509	4.543	4.577	4.611	4.645	4.679	4.713
49.50 A	27801	29470	31163	32881	34624	36391	38184	40001	41843	43701	45574	47452	49336	51225	53119	55018
B	4.167	4.206	4.245	4.283	4.321	4.358	4.395	4.431	4.466	4.501	4.536	4.570	4.604	4.638	4.672	4.706
49.75 A	29099	30786	32497	34232	35992	37777	39587	41421	43271	45136	47016	48901	50791	52686	54586	56481
B	4.195	4.234	4.273	4.311	4.348	4.385	4.421	4.456	4.491	4.525	4.559	4.593	4.627	4.661	4.695	4.729

TEMP DEG C	COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+DP*B)									
	446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476				
50.00 A						28732	30411	32115	33844	35596	37374	39176	41003	43790	45680	47595				
B					4.184	4.224	4.262	4.300	4.338	4.375	4.411	4.446	4.489	4.533	4.566					
50.25 A						28367	30040	31737	33458	35203	36973	38768	40587	43363	45244	47151				
B					4.173	4.213	4.252	4.290	4.327	4.364	4.401	4.437	4.489	4.524	4.557					
50.50 A						28006	29671	31361	33075	34813	36576	38363	40174	42938	44812	46711				
B					4.162	4.202	4.241	4.279	4.317	4.354	4.391	4.427	4.480	4.514	4.548					
50.75 A						29306	30988	32695	34426	36181	37961	39764	42516	44382	46273	48171				
B					4.191	4.230	4.269	4.307	4.344	4.381	4.417	4.470	4.505	4.539	4.573					
51.00 A						28943	30619	32318	34042	35790	37562	39358	42098	43955	45838	47746				
B					4.180	4.219	4.258	4.296	4.334	4.371	4.407	4.461	4.496	4.530	4.564					
51.25 A						28583	30252	31945	33661	35401	37165	38954	41682	43532	45406	47298				
B					4.169	4.209	4.248	4.286	4.324	4.361	4.398	4.451	4.486	4.521	4.556					
51.50 A						29888	31574	33283	35016	36772	38553	41269	43111	44978	46867	48778				
B					4.198	4.237	4.276	4.314	4.351	4.388	4.442	4.477	4.512	4.547	4.582					
51.75 A						29528	31206	32908	34633	36382	38155	40860	42693	44552	46446	48354				
B					4.187	4.227	4.265	4.303	4.341	4.378	4.432	4.468	4.503	4.538	4.573					
52.00 A						29170	30841	32535	34253	35995	37760	40453	42279	44129	45998	47887				
B					4.176	4.216	4.255	4.293	4.331	4.368	4.423	4.458	4.493	4.528	4.563					
52.25 A						30479	32166	33877	35611	37368	40049	41867	43709	45578	47447	49336				
B					4.205	4.244	4.283	4.321	4.358	4.413	4.449	4.484	4.519	4.554	4.589					
52.50 A						30120	31800	33503	35229	36979	39649	41458	43292	45151	46998	48867				
B					4.195	4.234	4.273	4.311	4.348	4.403	4.439	4.475	4.510	4.545	4.580					
52.75 A						29764	31437	33132	34851	36593	39251	41052	42878	44729	46598	48477				
B					4.184	4.223	4.262	4.300	4.338	4.394	4.430	4.465	4.500	4.535	4.570					
53.00 A						31076	32764	34476	36210	38856	40650	42467	44292	46129	47978	49837				
B					4.213	4.252	4.290	4.328	4.384	4.420	4.456	4.491	4.526	4.561	4.596					
53.25 A						30719	32400	34103	35830	38464	40250	42059	43892	45747	47612	49487				
B					4.202	4.241	4.280	4.318	4.374	4.411	4.447	4.482	4.517	4.552	4.587					
53.50 A						30365	32038	33734	35453	38075	39853	41654	43477	45312	47157	49012				
B					4.192	4.231	4.270	4.308	4.364	4.401	4.437	4.472	4.507	4.542	4.577					
53.75 A						30013	31679	33368	35079	37689	39459	41252	43077	44912	46757	48612				
B					4.181	4.221	4.260	4.298	4.355	4.392	4.428	4.463	4.498	4.533	4.568					

COMPRESSION FACTOR PER KILOPASCAL F=1/(A+DP*B)
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476
54.00 A											31324	33004	34708	37307	39068	40853
B											4.210	4.249	4.288	4.345	4.382	4.419
54.25 A											30971	32644	34340	36927	38680	40457
B											4.200	4.239	4.278	4.335	4.372	4.409
54.50 A											30621	32287	33975	36550	38295	40064
B											4.189	4.229	4.268	4.325	4.363	4.400
54.75 A											31932	33613	36176	37913	39674	41435
B											4.218	4.258	4.297	4.354	4.391	4.428
55.00 A											31581	33254	35805	37534	39287	41040
B											4.208	4.247	4.286	4.343	4.380	4.417
55.25 A											31233	32898	35437	37159	38903	40647
B											4.198	4.237	4.276	4.333	4.370	4.407
55.50 A											32545	35073	36786	38522	40258	41994
B											4.227	4.266	4.305	4.362	4.399	4.436
55.75 A											32195	34711	36416	38144	39872	41600
B											4.217	4.256	4.295	4.352	4.389	4.426
56.00 A											31848	34352	36049	37768	39487	41206
B											4.206	4.245	4.284	4.341	4.378	4.415
56.25 A											31504	33996	35685	37396	39107	40818
B											4.196	4.235	4.274	4.331	4.368	4.405
56.50 A											33643	35324	37027	38730	40433	42136
B											4.245	4.284	4.323	4.380	4.417	4.454
56.75 A											33293	34966	36661	38364	40067	41770
B											4.235	4.274	4.313	4.370	4.407	4.444
57.00 A											32947	34611	36298	37985	39672	41359
B											4.225	4.265	4.303	4.360	4.397	4.434
57.25 A											32603	34260	35938	37605	39272	40939
B											4.215	4.255	4.293	4.350	4.387	4.424
57.50 A											32262	33911	35581	37250	38919	40588
B											4.205	4.245	4.283	4.340	4.377	4.414
57.75 A											33565	35227	36889	38551	40213	41875
B											4.235	4.274	4.312	4.369	4.406	4.443

TEMP DEG C	COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+DP*B)					
	446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476
58.00 A																
58.00 B																
58.25 A																
58.25 B																
58.50 A																
58.50 B																
58.75 A																
58.75 B																
59.00 A																
59.00 B																
59.25 A																
59.25 B																

NOTE: FOR 446.0 TO 476.0 HIGHER TEMPERATURES ARE ABOVE THE NEAR CRITICAL LIMIT

TEMP DEG C	DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															
	478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508
-46.00 A	421619	426826	431683	436792	441952	447164	452428	457743	463110	468530	474002	479526	485103	490733	496417	502154
B	6.201	6.160	6.118	6.075	6.032	5.987	5.942	5.895	5.848	5.800	5.751	5.701	5.650	5.598	5.546	5.492
-45.75 A	420187	425186	430236	435337	440490	445694	450950	456257	461617	467028	472493	478009	483579	489201	494877	500606
B	6.201	6.160	6.119	6.076	6.033	5.989	5.943	5.897	5.850	5.802	5.753	5.704	5.653	5.601	5.549	5.495
-45.50 A	418757	423748	428790	433884	439029	444225	449474	454773	460125	465529	470986	476495	482056	487671	493339	499061
B	6.202	6.161	6.120	6.077	6.034	5.990	5.945	5.899	5.852	5.804	5.756	5.706	5.656	5.604	5.552	5.499
-45.25 A	417329	422313	427347	432433	437570	442759	448000	453292	458636	464032	469481	474982	480536	486143	491803	497517
B	6.202	6.162	6.121	6.078	6.035	5.991	5.947	5.901	5.854	5.807	5.758	5.709	5.659	5.607	5.555	5.502
-45.00 A	415903	420879	425906	430985	436114	441295	446528	451812	457149	462537	467978	473472	479018	484617	490270	495976
B	6.203	6.162	6.121	6.079	6.037	5.993	5.948	5.903	5.856	5.809	5.761	5.711	5.661	5.610	5.558	5.506
-44.75 A	414480	419448	424467	429538	434660	439833	445058	450335	455664	461045	466478	471963	477502	483093	488738	494436
B	6.203	6.163	6.122	6.080	6.038	5.994	5.950	5.904	5.858	5.811	5.763	5.714	5.664	5.613	5.562	5.509
-44.50 A	413058	418019	423031	428094	433208	438374	443591	448860	454181	459554	464979	470457	475988	481572	487209	492899
B	6.203	6.164	6.123	6.081	6.039	5.996	5.951	5.906	5.860	5.813	5.765	5.716	5.667	5.616	5.565	5.512
-44.25 A	411639	416592	421596	426652	431758	436916	442126	447387	452700	458066	463483	468953	474476	480052	485681	491364
B	6.204	6.164	6.124	6.082	6.040	5.997	5.953	5.908	5.862	5.815	5.768	5.719	5.669	5.619	5.568	5.516
-44.00 A	410222	415167	420164	425211	430310	435461	440663	445916	451222	456579	461989	467452	472967	478535	484156	489831
B	6.204	6.165	6.124	6.083	6.041	5.998	5.954	5.910	5.864	5.817	5.770	5.721	5.672	5.622	5.571	5.519
-43.75 A	408807	413745	418734	423774	428865	434007	439202	444448	449745	455095	460497	465952	471459	477020	482633	488300
B	6.204	6.165	6.125	6.084	6.042	6.000	5.956	5.911	5.866	5.819	5.772	5.724	5.675	5.625	5.574	5.522
-43.50 A	407394	412325	417306	422338	427421	432556	437743	442981	448271	453613	459008	464454	469954	475507	481112	486772
B	6.205	6.166	6.126	6.085	6.043	6.001	5.957	5.913	5.868	5.821	5.774	5.726	5.677	5.628	5.577	5.525
-43.25 A	405984	410906	415880	420904	425980	431107	436286	441517	446799	452133	457520	462959	468451	473996	479594	485245
B	6.205	6.166	6.126	6.086	6.044	6.002	5.959	5.915	5.869	5.823	5.777	5.729	5.680	5.630	5.580	5.529
-43.00 A	404575	409490	414456	419473	424541	429661	434832	440055	445329	450656	456035	461466	466950	472487	478077	483721
B	6.205	6.167	6.127	6.087	6.045	6.003	5.960	5.916	5.871	5.825	5.779	5.731	5.683	5.633	5.583	5.532
-42.75 A	403169	408076	413035	418044	423104	428216	433380	438594	443861	449180	454551	459975	465451	470980	476563	482199
B	6.205	6.167	6.128	6.087	6.046	6.004	5.961	5.918	5.873	5.827	5.781	5.734	5.685	5.636	5.586	5.535
-42.50 A	401765	406665	411615	416617	421670	426774	431929	437137	442396	447707	453070	458486	463954	469476	475050	480679
B	6.206	6.167	6.128	6.088	6.047	6.006	5.963	5.919	5.875	5.829	5.783	5.736	5.688	5.639	5.589	5.538
-42.25 A	400363	405255	410198	415192	420237	425334	430481	435681	440932	446236	451591	456999	462460	467974	473540	479161
B	6.206	6.168	6.129	6.089	6.048	6.007	5.964	5.921	5.876	5.831	5.785	5.738	5.690	5.641	5.592	5.541

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C															F=1/(A+DP*B) CUBIC METRE		
	478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508		
-42.00 A	398964	403848	408783	413769	418807	423896	429036	434227	439471	444767	450114	455515	460968	466473	472032	477645		
B	6.206	6.168	6.129	6.090	6.049	6.008	5.965	5.922	5.878	5.833	5.787	5.740	5.693	5.644	5.595	5.544		
-41.75 A	397566	402443	407370	412349	417379	422460	427592	432776	438012	443300	448640	454032	459477	464975	470527	476131		
B	6.206	6.168	6.130	6.090	6.050	6.009	5.967	5.924	5.880	5.835	5.789	5.743	5.695	5.647	5.598	5.547		
-41.50 A	396171	401040	405960	410931	415953	421026	426151	431327	436555	441835	447167	452552	457989	463480	469023	474620		
B	6.206	6.169	6.130	6.091	6.051	6.010	5.968	5.925	5.881	5.837	5.791	5.745	5.698	5.649	5.600	5.550		
-41.25 A	394778	399639	404551	409515	414529	419594	424711	429880	435100	440373	445697	451074	456503	461986	467521	473110		
B	6.206	6.169	6.131	6.092	6.052	6.011	5.969	5.927	5.883	5.839	5.793	5.747	5.700	5.652	5.603	5.553		
-41.00 A	393387	398241	403145	408101	413107	418165	423274	428435	433648	438912	444229	449598	455020	460494	466022	471603		
B	6.206	6.169	6.131	6.092	6.053	6.012	5.970	5.928	5.885	5.840	5.795	5.749	5.702	5.655	5.606	5.556		
-40.75 A	391998	396844	401741	406689	411688	416738	421840	426993	432197	437454	442763	448124	453538	459005	464525	470098		
B	6.206	6.169	6.132	6.093	6.053	6.013	5.972	5.929	5.886	5.842	5.797	5.751	5.705	5.657	5.609	5.559		
-40.50 A	390612	395450	400339	405279	410271	415313	420407	425552	430749	435998	441299	446653	452059	457518	463030	468595		
B	6.206	6.170	6.132	6.094	6.054	6.014	5.973	5.931	5.888	5.844	5.799	5.754	5.707	5.660	5.611	5.562		
-40.25 A	389227	394058	398940	403872	408856	413890	418976	424114	429303	434544	439838	445183	450582	456033	461537	467095		
B	6.206	6.170	6.132	6.094	6.055	6.015	5.974	5.932	5.889	5.846	5.801	5.756	5.709	5.662	5.614	5.565		
-40.00 A	387845	392668	397542	402467	407443	412470	417548	422678	427859	433093	438378	443716	449107	454550	460046	465596		
B	6.206	6.170	6.133	6.095	6.056	6.016	5.975	5.933	5.891	5.847	5.803	5.758	5.712	5.665	5.617	5.568		
-39.75 A	386465	391281	396147	401064	406032	411051	416122	421244	426418	431643	436921	442251	447634	453069	458558	464100		
B	6.206	6.170	6.133	6.095	6.056	6.017	5.976	5.935	5.892	5.849	5.805	5.760	5.714	5.667	5.620	5.571		
-39.50 A	385087	389895	394754	399663	404624	409635	414698	419812	424978	430196	435466	440788	446163	451591	457071	462606		
B	6.206	6.170	6.133	6.096	6.057	6.017	5.977	5.936	5.894	5.851	5.807	5.762	5.716	5.670	5.622	5.574		
-39.25 A	383712	388512	393363	398265	403217	408221	413276	418383	423541	428751	434013	439328	444695	450114	455587	461114		
B	6.206	6.170	6.134	6.096	6.058	6.018	5.978	5.937	5.895	5.852	5.809	5.764	5.718	5.672	5.625	5.577		
-39.00 A	382339	387131	391974	396868	401813	406810	411857	416956	422106	427308	432563	437869	443228	448640	454105	459624		
B	6.206	6.170	6.134	6.096	6.058	6.019	5.979	5.938	5.897	5.854	5.810	5.766	5.721	5.674	5.627	5.579		
-38.75 A	380967	385752	390588	395474	400412	405400	410440	415531	420673	425868	431114	436413	441764	447168	452626	458136		
B	6.206	6.170	6.134	6.097	6.059	6.020	5.980	5.939	5.898	5.855	5.812	5.768	5.723	5.677	5.630	5.582		
-38.50 A	379599	384376	389204	394082	399012	403993	409024	414108	419243	424429	429668	434959	440302	445699	451148	456650		
B	6.205	6.170	6.134	6.097	6.059	6.021	5.981	5.941	5.899	5.857	5.814	5.770	5.725	5.679	5.633	5.585		
-38.25 A	378232	383001	387822	392693	397615	402587	407612	412687	417814	422993	428224	433507	438843	444231	449672	455167		
B	6.205	6.170	6.134	6.098	6.060	6.021	5.982	5.942	5.901	5.859	5.816	5.772	5.727	5.682	5.635	5.588		

TEMP DEG C		COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+OP*B)	
		478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508	
-38.00	A	376867	381629	386442	391305	396219	401185	406201	411269	416388	421559	426782	432057	437385	442766	448199	453686	
	B	6.205	6.170	6.134	6.098	6.060	6.022	5.983	5.943	5.902	5.860	5.817	5.774	5.729	5.684	5.638	5.590	
-37.75	A	375505	380259	385064	389920	394826	399784	404792	409852	414964	420127	425342	430610	435930	441302	446728	452207	
	B	6.205	6.170	6.135	6.098	6.061	6.023	5.984	5.944	5.903	5.862	5.819	5.776	5.731	5.686	5.640	5.593	
-37.50	A	374145	378892	383689	388537	393436	398385	403386	408438	413542	418698	423905	429165	434477	439841	445259	450730	
	B	6.204	6.170	6.135	6.098	6.061	6.023	5.985	5.945	5.904	5.863	5.821	5.777	5.733	5.688	5.642	5.596	
-37.25	A	372787	377526	382316	387156	392047	396989	401982	407027	412122	417270	422470	427721	433026	438383	443792	449256	
	B	6.204	6.170	6.135	6.099	6.062	6.024	5.986	5.946	5.906	5.864	5.822	5.779	5.735	5.691	5.645	5.598	
-37.00	A	371432	376163	380945	385777	390661	395595	400580	405617	410705	415845	421037	426281	431577	436926	442328	447783	
	B	6.204	6.170	6.135	6.099	6.062	6.025	5.986	5.947	5.907	5.866	5.824	5.781	5.737	5.693	5.647	5.601	
-36.75	A	370078	374802	379576	384401	389277	394203	399181	404210	409290	414422	419606	424842	430130	435472	440866	446313	
	B	6.203	6.169	6.135	6.099	6.063	6.025	5.987	5.948	5.908	5.867	5.825	5.783	5.739	5.695	5.650	5.603	
-36.50	A	368727	373443	378210	383027	387895	392813	397783	402804	407877	413001	418177	423405	428686	434019	439406	444845	
	B	6.203	6.169	6.135	6.099	6.063	6.026	5.988	5.949	5.909	5.869	5.827	5.785	5.741	5.697	5.652	5.606	
-36.25	A	367378	372087	376845	381655	386515	391426	396388	401401	406466	411582	416751	421971	427244	432569	437948	443379	
	B	6.202	6.169	6.135	6.099	6.063	6.026	5.989	5.950	5.910	5.870	5.828	5.786	5.743	5.699	5.654	5.609	
-36.00	A	366032	370732	375483	380285	385138	390041	394995	400001	405058	410166	415327	420539	425804	431121	436492	441916	
	B	6.202	6.169	6.135	6.100	6.064	6.027	5.989	5.951	5.911	5.871	5.830	5.788	5.745	5.701	5.657	5.611	
-35.75	A	364687	369380	374124	378918	383762	388658	393604	398602	403651	408752	413905	419109	424366	429676	435038	440454	
	B	6.202	6.168	6.135	6.100	6.064	6.027	5.990	5.952	5.912	5.872	5.831	5.790	5.747	5.703	5.659	5.614	
-35.50	A	363345	368030	372766	377552	382389	387277	392216	397206	402247	407340	412485	417682	422931	428232	433587	438995	
	B	6.201	6.168	6.134	6.100	6.064	6.028	5.991	5.953	5.914	5.874	5.833	5.791	5.749	5.705	5.661	5.616	
-35.25	A	362005	366683	371411	376189	381019	385899	390830	395812	400845	405930	411067	416256	421497	426791	432138	437538	
	B	6.201	6.168	6.134	6.100	6.065	6.028	5.991	5.953	5.915	5.875	5.834	5.793	5.751	5.707	5.663	5.618	
-35.00	A	360667	365337	370058	374829	379650	384522	389446	394420	399446	404523	409652	414833	420066	425352	430691	436083	
	B	6.200	6.168	6.134	6.100	6.065	6.029	5.992	5.954	5.916	5.876	5.836	5.795	5.752	5.709	5.666	5.621	
-34.75	A	359332	363994	368707	373470	378284	383148	388064	393030	398048	403118	408239	413412	418637	423915	429246	434630	
	B	6.199	6.167	6.134	6.100	6.065	6.029	5.993	5.955	5.917	5.877	5.837	5.796	5.754	5.711	5.668	5.623	
-34.50	A	357999	362653	367358	372114	376920	381777	386684	391643	396653	401715	406828	411993	417211	422481	427804	433180	
	B	6.199	6.167	6.134	6.100	6.065	6.030	5.993	5.956	5.918	5.878	5.838	5.798	5.756	5.713	5.670	5.626	
-34.25	A	356668	361315	366012	370760	375558	380407	385307	390258	395260	400314	405419	410577	415786	421048	426363	431732	
	B	6.198	6.166	6.134	6.100	6.065	6.030	5.994	5.956	5.918	5.880	5.840	5.799	5.758	5.715	5.672	5.628	

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C												F=1/(A+DP*B) CUBIC METRE			
		478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508
-34.00	A	355339	359978	364668	369408	374198	379040	383932	388875	393869	398915	404013	409162	414364	419618	424925	430286
	B	6.198	6.166	6.133	6.100	6.065	6.030	5.994	5.957	5.919	5.881	5.841	5.801	5.759	5.717	5.674	5.630
-33.75	A	354012	358644	363326	368058	372841	377675	382559	387494	392481	397519	402609	407750	412944	418190	423490	428842
	B	6.197	6.165	6.133	6.100	6.066	6.031	5.995	5.958	5.920	5.882	5.842	5.802	5.761	5.719	5.676	5.632
-33.50	A	352688	357312	361986	366711	371486	376312	381188	386116	391095	396125	401207	406340	411526	416765	422056	427400
	B	6.196	6.165	6.133	6.100	6.066	6.031	5.995	5.959	5.921	5.883	5.844	5.804	5.763	5.721	5.678	5.635
-33.25	A	351366	355983	360649	365366	370133	374951	379820	384740	389711	394733	399807	404933	410111	415341	420625	425961
	B	6.196	6.164	6.132	6.099	6.066	6.031	5.996	5.959	5.922	5.884	5.845	5.805	5.764	5.723	5.680	5.637
-33.00	A	350046	354655	359314	364023	368783	373593	378454	383366	388329	393343	398409	403527	408697	413920	419195	424524
	B	6.195	6.164	6.132	6.099	6.066	6.031	5.996	5.960	5.923	5.885	5.846	5.806	5.766	5.725	5.682	5.639
-32.75	A	348729	353330	357981	362683	367434	372237	377090	381994	386949	391956	397014	402124	407286	412501	417768	423089
	B	6.194	6.163	6.132	6.099	6.066	6.031	5.996	5.960	5.924	5.886	5.847	5.808	5.768	5.726	5.684	5.641
-32.50	A	347414	352007	356651	361344	366088	370883	375728	380625	385572	390571	395621	400723	405878	411084	416344	421656
	B	6.193	6.163	6.131	6.099	6.066	6.032	5.997	5.961	5.924	5.887	5.848	5.809	5.769	5.728	5.686	5.644
-32.25	A	346101	350687	355322	360008	364745	369531	374369	379257	384197	389188	394230	399325	404471	409670	414921	420226
	B	6.192	6.162	6.131	6.099	6.066	6.032	5.997	5.962	5.925	5.888	5.850	5.811	5.771	5.730	5.688	5.646
-32.00	A	344790	349368	353996	358675	363403	368182	373012	377893	382824	387807	392842	397928	403067	408257	413501	418797
	B	6.192	6.161	6.130	6.098	6.066	6.032	5.997	5.962	5.926	5.889	5.851	5.812	5.772	5.732	5.690	5.648
-31.75	A	343482	348052	352673	357343	362064	366835	371657	376530	381454	386429	391455	396534	401664	406847	412083	417371
	B	6.191	6.161	6.130	6.098	6.066	6.032	5.998	5.963	5.926	5.890	5.852	5.813	5.774	5.733	5.692	5.650
-31.50	A	342176	346738	351351	356014	360727	365490	370304	375169	380085	385053	390071	395142	400265	405439	410667	415948
	B	6.190	6.160	6.129	6.098	6.065	6.032	5.998	5.963	5.927	5.890	5.853	5.814	5.775	5.735	5.694	5.652
-31.25	A	340872	345427	350032	354687	359392	364148	368954	373811	378719	383679	388690	393752	398867	404034	409253	414526
	B	6.189	6.159	6.129	6.097	6.065	6.032	5.998	5.963	5.928	5.891	5.854	5.816	5.776	5.736	5.696	5.654
-31.00	A	339570	344118	348715	353362	358060	362808	367606	372455	377356	382307	387310	392365	397472	402631	407842	413107
	B	6.188	6.159	6.128	6.097	6.065	6.032	5.998	5.964	5.928	5.892	5.855	5.817	5.778	5.738	5.697	5.656
-30.75	A	338271	342811	347400	352040	356729	361470	366260	371102	375994	380938	385933	390980	396078	401229	406433	411690
	B	6.187	6.158	6.128	6.097	6.065	6.032	5.999	5.964	5.929	5.893	5.856	5.818	5.779	5.740	5.699	5.658
-30.50	A	336974	341506	346088	350720	355402	360134	364917	369750	374635	379571	384558	389597	394688	399831	405026	410275
	B	6.186	6.157	6.127	6.096	6.065	6.032	5.999	5.965	5.930	5.894	5.857	5.819	5.781	5.741	5.701	5.660
-30.25	A	335679	340203	344778	349402	354076	358800	363576	368401	373278	378206	383185	388216	393299	398434	403622	408862
	B	6.185	6.156	6.127	6.096	6.064	6.032	5.999	5.965	5.930	5.894	5.858	5.820	5.782	5.743	5.703	5.662

COMPRESSION FACTOR PER KILOPASCAL F=1/(A+DP*B)
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508
-30.00 A	334387	338903	343470	348086	352753	357469	362237	367055	371923	376843	381815	386838	391912	397040	402219	407452
-30.00 B	6.184	6.155	6.126	6.095	6.064	6.032	5.999	5.965	5.931	5.895	5.859	5.821	5.783	5.744	5.704	5.664
-29.75 A	333097	337605	342164	346773	351431	356140	360900	365710	370571	375483	380446	385461	390528	395647	400819	406044
-29.75 B	6.183	6.155	6.125	6.095	6.064	6.032	5.999	5.966	5.931	5.896	5.860	5.822	5.785	5.746	5.706	5.666
-29.50 A	331809	336310	340861	345462	350113	354814	359565	364368	369221	374125	379080	384088	389146	394258	399421	404638
-29.50 B	6.182	6.154	6.124	6.094	6.064	6.032	5.999	5.966	5.932	5.896	5.860	5.824	5.786	5.747	5.708	5.668
-29.25 A	330523	335017	339560	344153	348796	353490	358233	363028	367873	372769	377717	382716	387767	392870	398026	403234
-29.25 B	6.181	6.153	6.124	6.094	6.063	6.032	5.999	5.966	5.932	5.897	5.861	5.825	5.787	5.749	5.709	5.669
-29.00 A	329240	333726	338261	342846	347482	352167	356903	361690	366527	371416	376355	381346	386390	391485	396632	401833
-29.00 B	6.180	6.152	6.123	6.093	6.063	6.032	5.999	5.966	5.932	5.898	5.862	5.826	5.788	5.750	5.711	5.671
-28.75 A	327959	332437	336965	341542	346170	350848	355576	360355	365184	370064	374996	379979	385014	390102	395241	400434
-28.75 B	6.179	6.151	6.122	6.093	6.063	6.031	5.999	5.967	5.933	5.898	5.863	5.827	5.789	5.751	5.713	5.673
-28.50 A	326680	331150	335671	340240	344860	349530	354251	359021	363843	368716	373639	378615	383642	388721	393852	399037
-28.50 B	6.177	6.150	6.121	6.092	6.062	6.031	5.999	5.967	5.933	5.899	5.864	5.828	5.791	5.753	5.714	5.675
-28.25 A	325404	329866	334379	338941	343553	348215	352928	357691	362504	367369	372285	377252	382271	387342	392466	397642
-28.25 B	6.176	6.149	6.121	6.092	6.062	6.031	5.999	5.967	5.934	5.899	5.864	5.828	5.792	5.754	5.716	5.676
-28.00 A	324129	328584	333089	337644	342248	346902	351607	356362	361168	366024	370932	375892	380903	385966	391081	396250
-28.00 B	6.175	6.148	6.120	6.091	6.061	6.031	5.999	5.967	5.934	5.900	5.865	5.829	5.793	5.756	5.717	5.678
-27.75 A	322858	327305	331802	336349	340945	345592	350288	355036	359834	364682	369582	374534	379537	384592	389699	394860
-27.75 B	6.174	6.147	6.119	6.090	6.061	6.030	5.999	5.967	5.934	5.900	5.866	5.830	5.794	5.757	5.719	5.680
-27.50 A	321588	326028	330517	335056	339645	344283	348972	353712	358502	363343	368235	373178	378173	383220	388320	393472
-27.50 B	6.172	6.146	6.118	6.090	6.060	6.030	5.999	5.967	5.934	5.901	5.866	5.831	5.795	5.758	5.720	5.682
-27.25 A	320321	324753	329234	333765	338346	342977	347658	352390	357172	362005	366889	371824	376812	381851	386942	392086
-27.25 B	6.171	6.145	6.117	6.089	6.060	6.030	5.999	5.967	5.935	5.901	5.867	5.832	5.796	5.759	5.722	5.683
-27.00 A	319056	323480	327954	332477	337051	341674	346347	351071	355845	360670	365546	370473	375452	380483	385567	390703
-27.00 B	6.170	6.143	6.116	6.088	6.059	6.029	5.999	5.967	5.935	5.902	5.868	5.833	5.797	5.761	5.723	5.685
-26.75 A	317793	322210	326676	331192	335757	340372	345038	349753	354520	359337	364205	369124	374096	379119	384194	389322
-26.75 B	6.168	6.142	6.115	6.087	6.059	6.029	5.999	5.967	5.935	5.902	5.868	5.834	5.798	5.762	5.725	5.686
-26.50 A	316533	320942	325400	329908	334466	339073	343731	348439	353197	358006	362866	367778	372741	377756	382823	387943
-26.50 B	6.167	6.141	6.114	6.087	6.058	6.029	5.998	5.967	5.935	5.903	5.869	5.834	5.799	5.763	5.726	5.688
-26.25 A	315275	319676	324127	328627	333177	337776	342426	347126	351877	356678	361530	366433	371389	376396	381455	386567
-26.25 B	6.166	6.140	6.113	6.086	6.057	6.028	5.998	5.967	5.935	5.903	5.869	5.835	5.800	5.764	5.727	5.690

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOGRAM PER DENSITY AT 15 DEGREES C										FALL FACTOR CUBIC METRE					
		478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508
-26.00	A	314019	318413	322856	327348	331890	336482	341124	345816	350558	355352	360196	365091	370039	375037	380089	385192
	B	6.164	6.139	6.112	6.085	6.057	6.028	5.998	5.967	5.936	5.903	5.870	5.836	5.801	5.765	5.729	5.691
-25.75	A	312766	317152	321587	326072	330606	335190	339824	344508	349243	354028	358864	363752	368691	373682	378725	383820
	B	6.163	6.137	6.111	6.084	6.056	6.027	5.998	5.967	5.936	5.903	5.870	5.837	5.802	5.766	5.730	5.693
-25.50	A	311515	315893	320321	324797	329324	333900	338526	343202	347929	352706	357535	362414	367345	372328	377363	382451
	B	6.161	6.136	6.110	6.083	6.055	6.027	5.997	5.967	5.936	5.904	5.871	5.837	5.803	5.767	5.731	5.694
-25.25	A	310266	314637	319056	323525	328044	332612	337231	341899	346618	351387	356208	361079	366002	370977	376004	381083
	B	6.160	6.135	6.109	6.082	6.055	6.026	5.997	5.967	5.936	5.904	5.871	5.838	5.804	5.768	5.732	5.696
-25.00	A	309020	313383	317795	322256	326767	331327	335938	340598	345309	350070	354883	359746	364661	369628	374647	379718
	B	6.158	6.134	6.108	6.081	6.054	6.026	5.997	5.967	5.936	5.904	5.872	5.839	5.804	5.769	5.734	5.697
-24.75	A	307776	312131	316535	320989	325492	330044	334647	339299	344002	348756	353560	358416	363323	368281	373292	378355
	B	6.157	6.132	6.107	6.080	6.053	6.025	5.996	5.966	5.936	5.904	5.872	5.839	5.805	5.770	5.735	5.698
-24.50	A	306534	310881	315278	319724	324219	328764	333358	338003	342698	347444	352240	357087	361986	366937	371940	376995
	B	6.155	6.131	6.105	6.079	6.052	6.024	5.996	5.966	5.936	5.905	5.873	5.840	5.806	5.771	5.736	5.700
-24.25	A	305295	309634	314023	318461	322948	327485	332072	336709	341396	346134	350922	355762	360652	365595	370590	375637
	B	6.154	6.129	6.104	6.078	6.051	6.024	5.995	5.966	5.936	5.905	5.873	5.840	5.807	5.772	5.737	5.701
-24.00	A	304058	308390	312771	317201	321680	326209	330788	335417	340096	344826	349606	354438	359321	364255	369242	374281
	B	6.152	6.128	6.103	6.077	6.051	6.023	5.995	5.966	5.936	5.905	5.873	5.841	5.807	5.773	5.738	5.702
-23.75	A	302823	307147	311520	315943	320415	324936	329507	334128	338799	343521	348293	353117	357991	362918	367896	372927
	B	6.150	6.127	6.102	6.076	6.050	6.022	5.994	5.965	5.936	5.905	5.874	5.841	5.808	5.774	5.739	5.704
-23.50	A	301591	305907	310273	314687	319151	323665	328228	332841	337504	342218	346982	351798	356664	361583	366553	371576
	B	6.149	6.125	6.100	6.075	6.049	6.022	5.994	5.965	5.936	5.905	5.874	5.842	5.809	5.775	5.740	5.705
-23.25	A	300361	304669	309027	313434	317890	322396	326951	331556	336211	340917	345673	350481	355339	360250	365212	370226
	B	6.147	6.124	6.099	6.074	6.048	6.021	5.993	5.965	5.935	5.905	5.874	5.842	5.809	5.776	5.741	5.706
-23.00	A	299133	303434	307784	312183	316631	321129	325676	330274	334921	339619	344367	349166	354017	358919	363873	368880
	B	6.145	6.122	6.098	6.073	6.047	6.020	5.993	5.964	5.935	5.905	5.874	5.843	5.810	5.777	5.743	5.707
-22.75	A	297907	302201	306543	310934	315375	319865	324404	328994	333633	338323	343063	347854	352697	357591	362537	367535
	B	6.144	6.120	6.096	6.072	6.046	6.020	5.992	5.964	5.935	5.905	5.875	5.843	5.811	5.778	5.744	5.709
-22.50	A	296684	300970	305305	309688	314121	318603	323134	327716	332347	337029	341761	346545	351379	356265	361203	366193
	B	6.142	6.119	6.095	6.070	6.045	6.019	5.992	5.964	5.935	5.905	5.875	5.843	5.811	5.778	5.744	5.710
-22.25	A	295464	299742	304068	308444	312869	317343	321867	326440	331064	335738	340462	345237	350064	354941	359871	364853
	B	6.140	6.117	6.094	6.069	6.044	6.018	5.991	5.963	5.935	5.905	5.875	5.844	5.812	5.779	5.745	5.711

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508	
-22.00 A	294245	298516	302835	307202	311619	316086	320602	325167	329783	334449	339165	343932	348750	353620	358542	363515	
B	6.138	6.116	6.092	6.068	6.043	6.017	5.990	5.963	5.934	5.905	5.875	5.844	5.812	5.780	5.746	5.712	
-21.75 A	293029	297292	301603	305963	310372	314831	319339	323896	328504	333162	337870	342629	347439	352301	357215	362180	
B	6.136	6.114	6.091	6.067	6.042	6.016	5.990	5.962	5.934	5.905	5.875	5.844	5.813	5.780	5.747	5.713	
-21.50 A	291816	296071	300374	304726	309128	313578	318078	322628	327228	331877	336578	341329	346131	350984	355890	360847	
B	6.135	6.112	6.089	6.065	6.041	6.015	5.989	5.962	5.934	5.905	5.875	5.845	5.813	5.781	5.748	5.714	
-21.25 A	290605	294852	299147	303492	307885	312328	316820	321362	325954	330595	335288	340031	344825	349670	354567	359517	
B	6.133	6.111	6.088	6.064	6.040	6.014	5.988	5.961	5.933	5.905	5.875	5.845	5.814	5.782	5.749	5.715	
-21.00 A	289396	293635	297923	302260	306645	311080	315564	320098	324682	329316	334000	338735	343521	348358	353247	358188	
B	6.131	6.109	6.086	6.063	6.039	6.013	5.987	5.961	5.933	5.905	5.875	5.845	5.814	5.782	5.750	5.716	
-20.75 A	288189	292421	296701	301030	305408	309835	314311	318837	323413	328038	332715	337441	342219	347048	351929	356862	
B	6.129	6.107	6.085	6.061	6.037	6.012	5.987	5.960	5.933	5.904	5.875	5.845	5.815	5.783	5.751	5.717	
-20.50 A	286985	291209	295481	299802	304172	308591	313060	317578	322146	326763	331431	336150	340920	345741	350614	355538	
B	6.127	6.105	6.083	6.060	6.036	6.011	5.986	5.959	5.932	5.904	5.875	5.846	5.815	5.784	5.751	5.718	
-20.25 A	285783	289999	294264	298577	302939	307351	311811	316321	320881	325491	330151	334861	339623	344436	349300	354217	
B	6.125	6.104	6.082	6.059	6.035	6.010	5.985	5.959	5.932	5.904	5.875	5.846	5.815	5.784	5.752	5.719	
-20.00 A	284584	288792	293049	297354	301709	306112	310565	315067	319619	324220	328872	333575	338328	343133	347990	352898	
B	6.123	6.102	6.080	6.057	6.034	6.009	5.984	5.958	5.931	5.904	5.875	5.846	5.816	5.785	5.753	5.720	
-19.75 A	283387	287587	291836	296134	300481	304876	309321	313815	318359	322952	327596	332291	337036	341833	346681	351581	
B	6.121	6.100	6.078	6.056	6.032	6.008	5.983	5.957	5.931	5.903	5.875	5.846	5.816	5.785	5.754	5.721	
-19.50 A	282192	286385	290626	294916	299255	303642	308079	312565	317101	321687	326323	331009	335746	340535	345375	350267	
B	6.119	6.098	6.077	6.054	6.031	6.007	5.982	5.957	5.930	5.903	5.875	5.846	5.816	5.786	5.754	5.722	
-19.25 A	281000	285185	289418	293700	298031	302411	306840	311318	315846	320423	325051	329730	334459	339239	344071	348955	
B	6.117	6.096	6.075	6.053	6.030	6.006	5.981	5.956	5.930	5.903	5.875	5.846	5.817	5.786	5.755	5.723	
-19.00 A	279810	283987	288213	292487	296810	301182	305603	310073	314593	319162	323782	328452	333173	337946	342769	347645	
B	6.115	6.094	6.073	6.051	6.029	6.005	5.981	5.955	5.929	5.902	5.875	5.846	5.817	5.787	5.756	5.724	
-18.75 A	278622	282792	287010	291276	295591	299955	304368	308830	313342	317904	322516	327178	331891	336655	341470	346337	
B	6.112	6.092	6.071	6.050	6.027	6.004	5.980	5.955	5.929	5.902	5.874	5.846	5.817	5.787	5.756	5.725	
-18.50 A	277437	281599	285809	290068	294375	298731	303136	307590	312094	316648	321251	325905	330610	335366	340173	345032	
B	6.110	6.090	6.070	6.048	6.026	6.003	5.979	5.954	5.928	5.902	5.874	5.846	5.817	5.787	5.757	5.725	
-18.25 A	276254	280408	284611	288861	293161	297509	301906	306352	310848	315394	319989	324635	329332	334080	338879	343729	
B	6.108	6.088	6.068	6.047	6.024	6.001	5.978	5.953	5.927	5.901	5.874	5.846	5.817	5.788	5.757	5.726	

TEMP DEG C	DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															
	478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508
-18.00 A	275073	279220	283415	287658	291949	296289	300679	305117	309605	314142	318730	323368	328056	332796	337586	342429
B	6.106	6.086	6.066	6.045	6.023	6.000	5.976	5.952	5.927	5.901	5.874	5.846	5.817	5.788	5.758	5.727
-17.75 A	273895	278034	282221	286456	290740	295072	299454	303884	308364	312893	317473	322102	326783	331514	336297	341131
B	6.104	6.084	6.064	6.043	6.021	5.999	5.975	5.951	5.926	5.900	5.873	5.846	5.818	5.788	5.758	5.728
-17.50 A	272720	276851	281030	285257	289533	293857	298231	302653	307125	311646	316218	320839	325511	330235	335009	339835
B	6.101	6.082	6.062	6.042	6.020	5.998	5.974	5.950	5.925	5.900	5.873	5.846	5.818	5.789	5.759	5.728
-17.25 A	271546	275670	279841	284061	288329	292645	297010	301425	305889	310402	314965	319579	324243	328958	333724	338542
B	6.099	6.080	6.060	6.040	6.018	5.996	5.973	5.949	5.925	5.899	5.873	5.846	5.818	5.789	5.759	5.729
-17.00 A	270376	274491	278655	282866	287126	291435	295792	300199	304655	309160	313715	318320	322976	327683	332441	337251
B	6.097	6.078	6.059	6.038	6.017	5.995	5.972	5.948	5.924	5.899	5.872	5.846	5.818	5.789	5.760	5.730
-16.75 A	269207	273315	277471	281674	285927	290227	294577	298975	303423	307920	312467	317064	321712	326411	331160	335962
B	6.095	6.076	6.057	6.036	6.015	5.994	5.971	5.947	5.923	5.898	5.872	5.845	5.818	5.789	5.760	5.730
-16.50 A	268041	272141	276289	280485	284729	289022	293364	297754	302194	306683	311222	315811	320450	325141	329882	334675
B	6.092	6.074	6.055	6.035	6.014	5.992	5.970	5.946	5.922	5.897	5.872	5.845	5.818	5.790	5.761	5.731
-16.25 A	266877	270969	275110	279298	283534	287819	292153	296535	300967	305448	309979	314560	319191	323873	328607	333391
B	6.090	6.072	6.053	6.033	6.012	5.991	5.968	5.945	5.921	5.897	5.871	5.845	5.818	5.790	5.761	5.731
-16.00 A	265716	269800	273933	278113	282342	286619	290944	295319	299742	304215	308738	313311	317934	322608	327333	332110
B	6.087	6.069	6.051	6.031	6.011	5.989	5.967	5.944	5.921	5.896	5.871	5.845	5.818	5.790	5.761	5.732
-15.75 A	264557	268634	272758	276931	281152	285421	289738	294105	298520	302985	307500	312065	316680	321345	326062	330830
B	6.085	6.067	6.049	6.029	6.009	5.988	5.966	5.943	5.920	5.895	5.870	5.844	5.818	5.790	5.762	5.733
-15.50 A	263400	267470	271586	275751	279964	284225	288535	292893	297301	301758	306264	310821	315427	320085	324793	329553
B	6.083	6.065	6.047	6.027	6.007	5.986	5.965	5.942	5.919	5.895	5.870	5.844	5.818	5.790	5.762	5.733
-15.25 A	262246	266308	270417	274574	278778	283032	287333	291684	296083	300532	305031	309579	314177	318827	323527	328279
B	6.080	6.063	6.044	6.025	6.006	5.985	5.963	5.941	5.918	5.894	5.869	5.844	5.817	5.790	5.762	5.733
-15.00 A	261095	265148	269249	273398	277595	281841	286134	290477	294868	299309	303799	308340	312930	317571	322263	327007
B	6.078	6.060	6.042	6.023	6.004	5.983	5.962	5.940	5.917	5.893	5.869	5.843	5.817	5.790	5.763	5.734
-14.75 A	259945	263991	268085	272226	276415	280652	284938	289272	293656	298088	302571	307103	311685	316318	321001	325737
B	6.075	6.058	6.040	6.022	6.002	5.982	5.961	5.939	5.916	5.893	5.868	5.843	5.817	5.790	5.763	5.734
-14.50 A	258798	262837	266922	271055	275237	279466	283744	288070	292446	296870	301344	305868	310442	315067	319742	324469
B	6.073	6.056	6.038	6.020	6.000	5.980	5.959	5.938	5.915	5.892	5.868	5.843	5.817	5.790	5.763	5.735
-14.25 A	257654	261684	265762	269888	274061	278282	282552	286871	291238	295654	300120	304636	309202	313818	318485	323204
B	6.070	6.053	6.036	6.018	5.998	5.979	5.958	5.936	5.914	5.891	5.867	5.842	5.817	5.790	5.763	5.735

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+DP*B)									
	478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508				
-14.00 A	256512	260534	264604	268722	272888	277101	281363	285673	290033	294441	298899	303406	307964	312572	317231	321941				
-14.00 B	6.067	6.051	6.034	6.016	5.997	5.977	5.956	5.935	5.913	5.890	5.866	5.842	5.816	5.790	5.763	5.735				
-13.75 A	255372	259387	263449	267559	271717	275922	280176	284479	288830	293230	297679	302179	306728	311328	315979	320681				
-13.75 B	6.065	6.048	6.031	6.013	5.995	5.975	5.955	5.934	5.912	5.889	5.866	5.841	5.816	5.790	5.763	5.736				
-13.50 A	254235	258242	262297	266398	270548	274746	278992	283286	287629	292021	296463	300954	305495	310087	314729	319423				
-13.50 B	6.062	6.046	6.029	6.011	5.993	5.974	5.953	5.933	5.911	5.888	5.865	5.841	5.816	5.790	5.763	5.736				
-13.25 A	253100	257100	261146	265240	269382	273572	277810	282096	286431	290815	295248	299731	304264	308848	313482	318167				
-13.25 B	6.059	6.044	6.027	6.009	5.991	5.972	5.952	5.931	5.910	5.887	5.864	5.840	5.815	5.790	5.764	5.736				
-13.00 A	251968	255959	259998	264084	268218	272400	276630	280908	285235	289611	294036	298511	303036	307611	312237	316914				
-13.00 B	6.057	6.041	6.025	6.007	5.989	5.970	5.950	5.930	5.909	5.886	5.863	5.840	5.815	5.790	5.764	5.737				
-12.75 A	250838	254822	258853	262931	267057	271231	275453	279723	284042	288410	292827	297293	301810	306377	310994	315663				
-12.75 B	6.054	6.039	6.022	6.005	5.987	5.968	5.949	5.929	5.907	5.885	5.863	5.839	5.815	5.790	5.764	5.737				
-12.50 A	249711	253686	257710	261780	265898	270064	274278	278540	282851	287211	291619	296078	300586	305145	309754	314414				
-12.50 B	6.051	6.036	6.020	6.003	5.985	5.967	5.947	5.927	5.906	5.884	5.862	5.839	5.814	5.789	5.764	5.737				
-12.25 A	248586	252554	256569	260632	264742	268900	273106	277360	281662	286014	290415	294865	299365	303915	308516	313168				
-12.25 B	6.049	6.033	6.017	6.001	5.983	5.965	5.946	5.926	5.905	5.883	5.861	5.838	5.814	5.789	5.764	5.737				
-12.00 A	247463	251423	255431	259485	263588	267738	271936	276182	280476	284820	289212	293654	298146	302688	307281	311924				
-12.00 B	6.046	6.031	6.015	5.999	5.981	5.963	5.944	5.924	5.904	5.882	5.860	5.837	5.813	5.789	5.764	5.737				
-11.75 A	246343	250295	254295	258342	262436	266578	270768	275006	279293	283628	288012	292446	296930	301463	306047	310683				
-11.75 B	6.043	6.028	6.013	5.996	5.979	5.961	5.942	5.923	5.902	5.881	5.859	5.837	5.813	5.789	5.763	5.738				
-11.50 A	245225	249170	253162	257201	261287	265421	269603	273833	278111	282439	286815	291240	295715	300241	304817	309444				
-11.50 B	6.040	6.026	6.010	5.994	5.977	5.959	5.941	5.921	5.901	5.880	5.858	5.836	5.813	5.788	5.763	5.738				
-11.25 A	244110	248047	252031	256062	260140	264266	268440	272662	276933	281252	285620	290037	294504	299021	303589	308207				
-11.25 B	6.037	6.023	6.008	5.992	5.975	5.957	5.939	5.920	5.900	5.879	5.858	5.835	5.812	5.788	5.763	5.738				
-11.00 A	242997	246926	250902	254925	258996	263114	267280	271494	275756	280067	284427	288836	293295	297803	302363	306973				
-11.00 B	6.034	6.020	6.005	5.989	5.973	5.955	5.937	5.918	5.899	5.878	5.857	5.834	5.811	5.788	5.763	5.738				
-10.75 A	241886	245808	249776	253791	257854	261964	266122	270328	274582	278885	283236	287637	292088	296588	301139	305741				
-10.75 B	6.031	6.017	6.003	5.987	5.971	5.953	5.936	5.917	5.897	5.877	5.856	5.834	5.811	5.787	5.763	5.738				
-10.50 A	240778	244692	248652	252660	256715	260817	264967	269164	273411	277705	282048	286441	290883	295376	299918	304511				
-10.50 B	6.029	6.015	6.000	5.985	5.969	5.952	5.934	5.915	5.896	5.876	5.855	5.833	5.810	5.787	5.763	5.738				
-10.25 A	239673	243579	247531	251531	255578	259672	263814	268003	272241	276528	280863	285247	289681	294165	298699	303284				
-10.25 B	6.026	6.012	5.998	5.982	5.966	5.950	5.932	5.914	5.894	5.874	5.854	5.832	5.810	5.786	5.763	5.738				

TEMP DEG C		COMPRESSION FACTOR FOR AIR AT 15 DEGREES C DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															15 DEGREES C CUBIC METRE		
		478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508		
-10.00	A	238570	242468	246413	250404	254443	258529	262663	266845	271075	275353	279680	284056	288482	292957	297483	302060		
	B	6.028	6.009	5.995	5.980	5.964	5.947	5.930	5.912	5.893	5.873	5.853	5.831	5.809	5.786	5.762	5.738		
-9.75	A	237469	241359	245296	249280	253311	257389	261515	265689	269910	274180	278499	282867	287285	291752	296269	300837		
	B	6.020	6.006	5.992	5.977	5.962	5.945	5.928	5.910	5.891	5.872	5.851	5.830	5.808	5.786	5.762	5.738		
-9.50	A	236371	240253	244182	248158	252181	256252	260369	264535	268748	273010	277321	281681	286090	290549	295058	299618		
	B	6.017	6.003	5.990	5.975	5.960	5.943	5.926	5.909	5.890	5.871	5.850	5.829	5.808	5.785	5.762	5.738		
-9.25	A	235275	239150	243071	247039	251054	255116	259226	263384	267589	271843	276145	280497	284897	289348	293849	298400		
	B	6.013	6.001	5.987	5.973	5.957	5.941	5.924	5.907	5.888	5.869	5.849	5.829	5.807	5.785	5.761	5.737		
-9.00	A	234182	238049	241962	245922	249929	253984	258085	262235	266432	270678	274972	279315	283707	288150	292642	297185		
	B	6.010	5.998	5.984	5.970	5.955	5.939	5.923	5.905	5.887	5.868	5.848	5.828	5.806	5.784	5.761	5.737		
-8.75	A	233091	236950	240856	244808	248807	252853	256947	261088	265278	269515	273801	278136	282520	286954	291438	295972		
	B	6.007	5.995	5.982	5.967	5.953	5.937	5.921	5.903	5.885	5.867	5.847	5.827	5.805	5.783	5.761	5.737		
-8.50	A	232003	235854	239752	243696	247687	251726	255811	259944	264125	268355	272632	276959	281335	285760	290236	294762		
	B	6.004	5.992	5.979	5.965	5.950	5.935	5.919	5.902	5.884	5.865	5.846	5.826	5.805	5.783	5.760	5.737		
-8.25	A	230917	234760	238650	242587	246570	250600	254678	258803	262976	267197	271466	275785	280152	284569	289037	293554		
	B	6.001	5.989	5.976	5.962	5.948	5.933	5.917	5.900	5.882	5.864	5.845	5.825	5.804	5.782	5.760	5.737		
-8.00	A	229833	233669	237551	241480	245455	249477	253547	257664	261829	266041	270303	274613	278972	283381	287840	292349		
	B	5.998	5.986	5.973	5.960	5.945	5.930	5.915	5.898	5.881	5.862	5.843	5.824	5.803	5.782	5.759	5.737		
-7.75	A	228752	232580	236454	240375	244343	248357	252418	256527	260684	264888	269142	273443	277794	282195	286645	291146		
	B	5.995	5.983	5.970	5.957	5.943	5.928	5.913	5.896	5.879	5.861	5.842	5.822	5.802	5.781	5.759	5.736		
-7.50	A	227674	231494	235360	239273	243233	247239	251292	255393	259541	263738	267983	272276	276619	281011	285453	289945		
	B	5.991	5.980	5.968	5.954	5.941	5.926	5.910	5.894	5.877	5.859	5.841	5.821	5.801	5.780	5.759	5.736		
-7.25	A	226598	230410	234269	238174	242125	246123	250169	254261	258402	262590	266826	271112	275446	279830	284263	288747		
	B	5.988	5.977	5.965	5.952	5.938	5.924	5.908	5.892	5.875	5.858	5.839	5.820	5.800	5.780	5.758	5.736		
-7.00	A	225524	229329	233179	237076	241020	245010	249047	253132	257264	261444	265673	269950	274275	278651	283076	287552		
	B	5.985	5.974	5.962	5.949	5.936	5.921	5.906	5.890	5.874	5.856	5.838	5.819	5.799	5.779	5.757	5.735		
-6.75	A	224453	228250	232093	235982	239917	243900	247929	252005	256129	260301	264521	268790	273107	277474	281891	286358		
	B	5.982	5.971	5.959	5.946	5.933	5.919	5.904	5.888	5.872	5.855	5.837	5.818	5.798	5.778	5.757	5.735		
-6.50	A	223385	227173	231008	234890	238817	242791	246813	250881	254997	259160	263372	267633	271942	276300	280709	285167		
	B	5.978	5.967	5.956	5.944	5.930	5.917	5.902	5.886	5.870	5.853	5.835	5.817	5.797	5.777	5.756	5.735		
-6.25	A	222318	226100	229927	233800	237720	241686	245699	249759	253867	258022	262226	266478	270779	275129	279529	283979		
	B	5.975	5.964	5.953	5.941	5.928	5.914	5.900	5.884	5.868	5.852	5.834	5.816	5.796	5.776	5.756	5.734		

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)		
		478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508		
-6.00	A	221255	225028	228847	232713	236624	240583	244588	248640	252739	256886	261082	265325	269618	273960	278351	282793		
	B	5.972	5.961	5.950	5.938	5.925	5.912	5.898	5.882	5.867	5.850	5.833	5.814	5.795	5.776	5.755	5.734		
-5.75	A	220194	223959	227771	231628	235532	239482	243479	247523	251614	255753	259940	264175	268460	272793	277176	281609		
	B	5.968	5.958	5.947	5.935	5.923	5.909	5.895	5.880	5.865	5.848	5.831	5.813	5.794	5.775	5.754	5.733		
-5.50	A	219135	222893	226696	230546	234441	238384	242372	246408	250491	254622	258801	263028	267304	271629	276003	280428		
	B	5.965	5.955	5.944	5.932	5.920	5.907	5.893	5.878	5.863	5.847	5.830	5.812	5.793	5.774	5.754	5.733		
-5.25	A	218079	221829	225624	229466	233354	237288	241269	245296	249371	253494	257664	261883	266150	270467	274833	279249		
	B	5.961	5.951	5.941	5.929	5.917	5.904	5.891	5.876	5.861	5.845	5.828	5.811	5.792	5.773	5.753	5.732		
-5.00	A	217025	220767	224555	228389	232268	236194	240167	244187	248253	252368	256530	260740	265000	269308	273665	278073		
	B	5.958	5.948	5.938	5.927	5.915	5.902	5.888	5.874	5.859	5.843	5.827	5.809	5.791	5.772	5.752	5.732		
-4.75	A	215974	219708	223488	227314	231186	235104	239068	243080	247138	251244	255398	259600	263851	268151	272500	276899		
	B	5.954	5.945	5.935	5.924	5.912	5.899	5.886	5.872	5.857	5.841	5.825	5.808	5.790	5.771	5.752	5.731		
-4.50	A	214925	218652	222424	226241	230105	234015	237972	241975	246025	250123	254269	258463	262705	266996	271337	275728		
	B	5.951	5.942	5.932	5.921	5.909	5.897	5.884	5.870	5.855	5.840	5.823	5.806	5.789	5.770	5.751	5.731		
-4.25	A	213879	217598	221362	225172	229027	232929	236878	240873	244915	249005	253142	257328	261562	265844	270177	274559		
	B	5.947	5.938	5.928	5.918	5.906	5.894	5.881	5.868	5.853	5.838	5.822	5.805	5.787	5.769	5.750	5.730		
-4.00	A	212835	216546	220302	224104	227952	231846	235786	239773	243807	247889	252018	256195	260420	264695	269019	273392		
	B	5.944	5.935	5.925	5.915	5.904	5.892	5.879	5.865	5.851	5.836	5.820	5.804	5.786	5.768	5.749	5.729		
-3.75	A	211794	215497	219246	223040	226879	230765	234697	238676	242702	246775	250896	255065	259282	263548	267863	272228		
	B	5.940	5.931	5.922	5.912	5.901	5.889	5.876	5.863	5.849	5.834	5.819	5.802	5.785	5.767	5.748	5.729		
-3.50	A	210756	214451	218191	221977	225809	229687	233611	237582	241599	245664	249777	253937	258146	262403	266710	271067		
	B	5.936	5.928	5.919	5.909	5.898	5.886	5.874	5.861	5.847	5.832	5.817	5.801	5.784	5.766	5.747	5.728		
-3.25	A	209719	213407	217139	220917	224741	228611	232527	236489	240499	244555	248660	252812	257012	261261	265559	269908		
	B	5.933	5.924	5.915	5.906	5.895	5.884	5.871	5.859	5.845	5.830	5.815	5.799	5.782	5.765	5.747	5.727		
-3.00	A	208686	212365	216090	219860	223676	227538	231445	235400	239401	243449	247545	251689	255881	260121	264411	268751		
	B	5.929	5.921	5.912	5.903	5.892	5.881	5.869	5.856	5.843	5.828	5.813	5.798	5.781	5.764	5.746	5.727		
-2.75	A	207655	211326	215043	218805	222613	226467	230366	234313	238306	242346	246433	250568	254752	258984	263266	267597		
	B	5.925	5.918	5.909	5.899	5.889	5.878	5.866	5.854	5.841	5.827	5.812	5.796	5.780	5.763	5.745	5.726		
-2.50	A	206626	210290	213999	217753	221553	225398	229290	233228	237213	241244	245324	249451	253626	257850	262122	266445		
	B	5.922	5.914	5.906	5.896	5.886	5.875	5.864	5.852	5.838	5.825	5.810	5.795	5.778	5.761	5.744	5.725		
-2.25	A	205600	209256	212957	216703	220495	224332	228216	232146	236122	240146	244217	248335	252502	256717	260982	265295		
	B	5.918	5.910	5.902	5.893	5.883	5.873	5.861	5.849	5.836	5.823	5.808	5.793	5.777	5.760	5.743	5.724		

TEMP DEG C		CORRECTION FACTOR PER KILOGRAM PER CUBIC METRE DENSITY AT 15 DEGREES C									
		478	480	482	484	486	488	490	492	494	496
-2.00	A	204576	208224	211917	215656	219439	223269	227144	231066	235034	239050
	B	5.914	5.907	5.899	5.890	5.880	5.870	5.859	5.847	5.834	5.821
-1.75	A	203555	207195	210881	214611	218387	222208	226075	229989	233949	237956
	B	5.910	5.903	5.895	5.887	5.877	5.867	5.856	5.844	5.832	5.819
-1.50	A	202537	206169	209846	213569	217336	221150	225009	228914	232866	236865
	B	5.907	5.900	5.892	5.883	5.874	5.864	5.853	5.842	5.830	5.816
-1.25	A	201520	205145	208814	212529	216289	220094	223945	227842	231786	235776
	B	5.903	5.896	5.888	5.880	5.871	5.861	5.851	5.839	5.827	5.814
-1.00	A	200507	204124	207785	211492	215243	219040	222883	226772	230708	234690
	B	5.899	5.892	5.885	5.877	5.868	5.858	5.848	5.837	5.825	5.812
-0.75	A	199496	203105	206758	210457	214201	217990	221824	225705	229632	233606
	B	5.895	5.889	5.881	5.874	5.865	5.855	5.845	5.834	5.823	5.810
-0.50	A	198487	202088	205734	209425	213160	216941	220768	224641	228559	232525
	B	5.891	5.885	5.878	5.870	5.862	5.853	5.843	5.832	5.820	5.808
-0.25	A	197482	201075	204712	208395	212123	215896	219714	223578	227489	231446
	B	5.887	5.881	5.874	5.867	5.859	5.850	5.840	5.829	5.818	5.806
0.00	A	196478	200063	203693	207368	211087	214852	218663	222519	226421	230370
	B	5.883	5.877	5.871	5.863	5.855	5.847	5.837	5.827	5.815	5.803
0.25	A	195477	199055	202677	206343	210055	213812	217614	221462	225356	229296
	B	5.879	5.874	5.867	5.860	5.852	5.844	5.834	5.824	5.813	5.801
0.50	A	194479	198049	201663	205321	209025	212773	216567	220407	224293	228225
	B	5.875	5.870	5.864	5.857	5.849	5.840	5.831	5.821	5.810	5.799
0.75	A	193483	197045	200651	204302	207997	211738	215523	219355	223233	227156
	B	5.871	5.866	5.860	5.853	5.846	5.837	5.828	5.819	5.808	5.797
1.00	A	192490	196044	199642	203285	206972	210704	214482	218305	222175	226090
	B	5.867	5.862	5.856	5.850	5.842	5.834	5.825	5.816	5.805	5.794
1.25	A	191499	195045	198635	202270	205949	209674	213443	217258	221119	225027
	B	5.863	5.858	5.853	5.846	5.839	5.831	5.823	5.813	5.803	5.792
1.50	A	190511	194049	197631	201258	204929	208646	212407	216214	220067	223966
	B	5.859	5.854	5.849	5.843	5.836	5.828	5.820	5.810	5.800	5.790
1.75	A	189525	193056	196630	200249	203912	207620	211373	215172	219016	222907
	B	5.855	5.850	5.845	5.839	5.832	5.825	5.817	5.808	5.798	5.787

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)		
		478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508		
2.00	A	188542	192065	195631	199242	202897	206597	210342	214133	217969	221851	225780	229755	233778	237848	241967	246135		
	B	5.851	5.846	5.841	5.835	5.829	5.822	5.814	5.805	5.795	5.785	5.774	5.762	5.749	5.736	5.722	5.707		
2.25	A	187562	191076	194635	198238	201885	205577	209313	213096	216923	220797	224718	228685	232699	236761	240871	245030		
	B	5.846	5.842	5.837	5.832	5.826	5.818	5.811	5.802	5.793	5.782	5.772	5.760	5.748	5.734	5.720	5.706		
2.50	A	186584	190090	193641	197236	200875	204559	208287	212061	215881	219746	223658	227617	231623	235676	239778	243928		
	B	5.842	5.838	5.834	5.828	5.822	5.815	5.808	5.799	5.790	5.780	5.769	5.758	5.746	5.733	5.719	5.705		
2.75	A	185608	189107	192650	196237	199868	203543	207264	211029	214841	218698	222601	226551	230549	234594	238686	242828		
	B	5.838	5.834	5.830	5.825	5.819	5.812	5.804	5.796	5.787	5.777	5.767	5.756	5.744	5.731	5.718	5.703		
3.00	A	184636	188126	191661	195240	198863	202530	206243	210000	213803	217652	221547	225489	229477	233514	237598	241731		
	B	5.834	5.830	5.826	5.821	5.815	5.809	5.801	5.793	5.785	5.775	5.765	5.754	5.742	5.729	5.716	5.702		
3.25	A	183665	187148	190675	194246	197861	201520	205224	208973	212768	216608	220495	224428	228408	232436	236512	240636		
	B	5.829	5.826	5.822	5.817	5.812	5.805	5.798	5.790	5.782	5.772	5.762	5.752	5.740	5.728	5.714	5.701		
3.50	A	182698	186173	189692	193254	196861	200512	204208	207949	211735	215568	219446	223370	227342	231361	235428	239544		
	B	5.825	5.822	5.818	5.813	5.808	5.802	5.795	5.787	5.779	5.770	5.760	5.749	5.738	5.726	5.713	5.699		
3.75	A	181732	185200	188711	192265	195864	199507	203195	206927	210706	214529	218399	222315	226278	230289	234347	238454		
	B	5.821	5.818	5.814	5.810	5.805	5.799	5.792	5.784	5.776	5.767	5.758	5.747	5.736	5.724	5.711	5.698		
4.00	A	180770	184229	187732	191279	194869	198504	202184	205908	209678	213493	217355	221262	225217	229219	233269	237367		
	B	5.816	5.814	5.810	5.806	5.801	5.795	5.789	5.781	5.773	5.765	5.755	5.745	5.734	5.722	5.710	5.696		
4.25	A	179810	183261	186756	190295	193877	197504	201176	204892	208658	212460	216313	220212	224158	228152	232193	236282		
	B	5.812	5.810	5.806	5.802	5.797	5.792	5.785	5.778	5.771	5.762	5.753	5.743	5.732	5.720	5.708	5.695		
4.50	A	178852	182296	185783	189314	192888	196507	200170	203878	207631	211429	215274	219165	223102	227087	231119	235200		
	B	5.808	5.805	5.802	5.798	5.794	5.788	5.782	5.775	5.768	5.759	5.750	5.740	5.730	5.718	5.706	5.694		
4.75	A	177897	181333	184812	188335	191901	195512	199167	202866	206611	210401	214237	218119	222048	226024	230048	234120		
	B	5.803	5.801	5.798	5.794	5.790	5.785	5.779	5.772	5.765	5.757	5.748	5.738	5.728	5.717	5.705	5.692		
5.00	A	176945	180373	183844	187359	190917	194519	198166	201857	205594	209376	213203	217077	220997	224965	228980	233043		
	B	5.799	5.797	5.794	5.791	5.786	5.781	5.776	5.769	5.762	5.754	5.745	5.736	5.726	5.715	5.703	5.691		
5.25	A	175995	179415	182878	186385	189935	193529	197168	200851	204579	208352	212171	216037	219949	223907	227914	231968		
	B	5.794	5.793	5.790	5.787	5.783	5.778	5.772	5.766	5.759	5.751	5.743	5.734	5.724	5.713	5.701	5.689		
5.50	A	175048	178460	181915	185414	188956	192542	196172	199847	203567	207332	211142	214999	218902	222853	226850	230896		
	B	5.790	5.788	5.786	5.783	5.779	5.774	5.769	5.763	5.756	5.749	5.740	5.731	5.721	5.711	5.700	5.687		
5.75	A	174104	177508	180955	184445	187980	191557	195179	198846	202557	206314	210116	213964	217859	221800	225790	229827		
	B	5.785	5.784	5.782	5.779	5.775	5.771	5.766	5.760	5.753	5.746	5.738	5.729	5.719	5.709	5.698	5.686		

TEMP DEG C		DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE																
		478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508	
6.00	A	173162	176558	179997	183480	187006	190575	194189	197847	201550	205298	209092	212932	216818	220751	224731	228760	
	B	5.781	5.780	5.778	5.775	5.771	5.767	5.762	5.757	5.750	5.743	5.735	5.726	5.717	5.707	5.696	5.684	
6.25	A	172222	175611	179042	182516	186034	189596	193201	196851	200546	204286	208071	211902	215779	219704	223675	227695	
	B	5.776	5.775	5.773	5.771	5.768	5.764	5.759	5.753	5.747	5.740	5.732	5.724	5.715	5.705	5.694	5.683	
6.50	A	171285	174666	178089	181556	185065	188619	192216	195858	199544	203275	207052	210875	214743	218659	222622	226633	
	B	5.772	5.771	5.769	5.767	5.764	5.760	5.755	5.750	5.744	5.737	5.730	5.721	5.712	5.703	5.692	5.681	
6.75	A	170351	173724	177139	180597	184099	187644	191233	194867	198545	202267	206036	209850	213710	217617	221571	225573	
	B	5.767	5.766	5.765	5.763	5.760	5.756	5.752	5.747	5.741	5.734	5.727	5.719	5.710	5.701	5.690	5.679	
7.00	A	169420	172784	176192	179642	183135	186672	190253	193878	197548	201262	205022	208828	212679	216578	220523	224516	
	B	5.762	5.762	5.761	5.759	5.756	5.753	5.748	5.744	5.738	5.731	5.724	5.716	5.708	5.699	5.688	5.678	
7.25	A	168491	171847	175247	178689	182174	185703	189276	192892	196554	200260	204011	207808	211651	215541	219477	223462	
	B	5.758	5.757	5.756	5.755	5.752	5.749	5.745	5.740	5.735	5.729	5.722	5.714	5.706	5.696	5.687	5.676	
7.50	A	167564	170913	174304	177738	181216	184736	188301	191909	195562	199260	203002	206791	210625	214506	218434	222410	
	B	5.753	5.753	5.752	5.750	5.748	5.745	5.741	5.737	5.732	5.726	5.719	5.711	5.703	5.694	5.685	5.674	
7.75	A	166640	169981	173364	176791	180260	183772	187328	190929	194573	198262	201996	205776	209602	213474	217394	221361	
	B	5.748	5.748	5.748	5.746	5.744	5.741	5.738	5.733	5.728	5.723	5.716	5.709	5.701	5.692	5.683	5.672	
8.00	A	165719	169052	172427	175845	179306	182811	186359	189950	193586	197267	200993	204764	208581	212445	216356	220314	
	B	5.743	5.744	5.743	5.742	5.740	5.738	5.734	5.730	5.725	5.720	5.713	5.706	5.698	5.690	5.681	5.671	
8.25	A	164800	168125	171493	174903	178356	181852	185391	188975	192603	196275	199992	203755	207563	211418	215320	219270	
	B	5.739	5.739	5.739	5.738	5.736	5.734	5.731	5.727	5.722	5.717	5.710	5.704	5.696	5.688	5.679	5.669	
8.50	A	163884	167201	170561	173963	177408	180896	184427	188002	191621	195285	198994	202748	206548	210394	214287	218228	
	B	5.734	5.735	5.735	5.734	5.732	5.730	5.727	5.723	5.719	5.714	5.708	5.701	5.694	5.685	5.677	5.667	
8.75	A	162971	166280	169631	173025	176462	179942	183465	187032	190643	194298	197998	201744	205535	209372	213257	217189	
	B	5.729	5.730	5.730	5.730	5.728	5.726	5.723	5.720	5.715	5.710	5.705	5.698	5.691	5.683	5.674	5.665	
9.00	A	162060	165361	168705	172091	175519	178991	182505	186064	189666	193313	197005	200742	204525	208353	212229	216152	
	B	5.724	5.725	5.726	5.725	5.724	5.722	5.720	5.716	5.712	5.707	5.702	5.696	5.689	5.681	5.672	5.663	
9.25	A	161152	164445	167781	171158	174579	178042	181549	185099	188693	192331	196014	199743	203517	207337	211204	215118	
	B	5.719	5.721	5.721	5.721	5.720	5.718	5.716	5.713	5.709	5.704	5.699	5.693	5.686	5.678	5.670	5.661	
9.50	A	160246	163532	166859	170229	173641	177096	180594	184136	187722	191352	195026	198746	202511	206323	210181	214086	
	B	5.714	5.716	5.717	5.717	5.716	5.714	5.712	5.709	5.706	5.701	5.696	5.690	5.683	5.676	5.668	5.659	
9.75	A	159343	162621	165940	169302	172706	176153	179643	183176	186753	190375	194041	197752	201509	205312	209161	213057	
	B	5.710	5.711	5.712	5.712	5.712	5.710	5.708	5.706	5.702	5.698	5.693	5.687	5.681	5.674	5.666	5.657	

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)		
		478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508		
10.00	A	158443	161712	165024	168377	171773	175212	178694	182219	185788	189401	193058	196761	200509	204303	208143	212031		
	B	5.705	5.706	5.708	5.708	5.708	5.706	5.705	5.702	5.699	5.695	5.690	5.685	5.678	5.671	5.664	5.655		
10.25	A	157545	160807	164110	167456	170843	174274	177747	181264	184824	188429	192078	195772	199511	203296	207128	211007		
	B	5.700	5.702	5.703	5.704	5.703	5.702	5.701	5.698	5.695	5.692	5.687	5.682	5.676	5.669	5.661	5.653		
10.50	A	156650	159904	163199	166536	169916	173338	176803	180312	183864	187460	191100	194786	198516	202293	206116	209986		
	B	5.695	5.697	5.698	5.699	5.699	5.698	5.697	5.695	5.692	5.688	5.684	5.679	5.673	5.666	5.659	5.651		
10.75	A	155757	159003	162291	165620	168991	172405	175862	179362	182906	186493	190125	193802	197524	201292	205106	208967		
	B	5.690	5.692	5.694	5.695	5.695	5.694	5.693	5.691	5.688	5.685	5.681	5.676	5.670	5.664	5.657	5.649		
11.00	A	154868	158105	161385	164706	168069	171475	174924	178415	181950	185529	189153	192821	196534	200293	204098	207951		
	B	5.685	5.687	5.689	5.690	5.691	5.690	5.689	5.687	5.685	5.682	5.678	5.673	5.668	5.662	5.655	5.647		
11.25	A	153980	157210	160481	163795	167150	170547	173988	177471	180937	184568	188183	191842	195547	199297	203094	206937		
	B	5.680	5.682	5.684	5.686	5.686	5.686	5.685	5.684	5.681	5.678	5.675	5.670	5.665	5.659	5.652	5.645		
11.50	A	153096	156318	159581	162886	166233	169622	173054	176529	180047	183609	187215	190866	194562	198304	202092	205926		
	B	5.674	5.677	5.680	5.681	5.682	5.682	5.681	5.680	5.678	5.675	5.671	5.667	5.662	5.656	5.650	5.643		
11.75	A	152214	155428	158683	161980	165319	168700	172123	175590	179100	182653	186251	189893	193580	197313	201092	204917		
	B	5.669	5.673	5.675	5.677	5.678	5.678	5.677	5.676	5.674	5.672	5.668	5.664	5.659	5.654	5.648	5.641		
12.00	A	151334	154540	157788	161076	164407	167780	171195	174653	178155	181700	185289	188922	192601	196325	200095	203912		
	B	5.664	5.668	5.670	5.672	5.673	5.674	5.673	5.672	5.671	5.668	5.665	5.661	5.657	5.651	5.645	5.638		
12.25	A	150458	153656	156895	160176	163498	166863	170270	173719	177212	180749	184329	187954	191624	195339	199100	202908		
	B	5.659	5.663	5.665	5.668	5.669	5.670	5.669	5.669	5.667	5.665	5.662	5.658	5.654	5.649	5.643	5.636		
12.50	A	149583	152774	156005	159277	162592	165948	169347	172788	176272	179800	183372	186988	190650	194356	198108	201907		
	B	5.654	5.658	5.661	5.663	5.664	5.665	5.665	5.665	5.664	5.661	5.659	5.655	5.651	5.646	5.640	5.634		
12.75	A	148712	151894	155117	158382	161688	165036	168426	171859	175335	178855	182418	186026	189678	193376	197119	200909		
	B	5.649	5.653	5.656	5.658	5.660	5.661	5.661	5.661	5.660	5.658	5.655	5.652	5.648	5.643	5.638	5.632		
13.00	A	147843	151017	154232	157489	160787	164127	167509	170933	174401	177912	181466	185065	188709	192398	196132	199914		
	B	5.643	5.648	5.651	5.654	5.656	5.657	5.657	5.657	5.656	5.654	5.652	5.649	5.645	5.641	5.635	5.629		
13.25	A	146977	150143	153350	156599	159888	163220	166594	170010	173469	176971	180517	184107	187742	191422	195148	198920		
	B	5.638	5.643	5.646	5.649	5.651	5.653	5.653	5.653	5.652	5.651	5.649	5.646	5.642	5.638	5.633	5.627		
13.50	A	146114	149272	152471	155711	158993	162316	165681	169089	172540	176033	179571	183152	186778	190450	194167	197930		
	B	5.633	5.637	5.641	5.644	5.647	5.648	5.649	5.649	5.649	5.647	5.645	5.643	5.639	5.635	5.630	5.625		
13.75	A	145253	148403	151594	154826	158099	161414	164771	168171	171613	175098	178627	182200	185817	189480	193188	196942		
	B	5.628	5.632	5.636	5.640	5.642	5.644	5.645	5.645	5.645	5.644	5.642	5.640	5.636	5.632	5.628	5.622		

TEMP DEG C		DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE											
		478	480	482	484	486	488	490	492	494	496	498	500
14.00	A	144394	147537	150720	153944	157209	160516	163864	167255	170689	174165	177686	181250
	B	5.622	5.627	5.631	5.635	5.637	5.639	5.641	5.641	5.641	5.640	5.639	5.636
14.25	A	143539	146673	149848	153064	156321	159619	162960	166342	169767	173235	176747	180303
	B	5.617	5.622	5.626	5.630	5.633	5.635	5.637	5.637	5.637	5.637	5.635	5.633
14.50	A	142686	145812	148979	152187	155436	158726	162058	165432	168849	172308	175811	179358
	B	5.612	5.617	5.621	5.625	5.628	5.631	5.632	5.633	5.634	5.633	5.632	5.630
14.75	A	141836	144954	148113	151312	154553	157835	161159	164524	167932	171383	174878	178416
	B	5.606	5.612	5.616	5.620	5.624	5.626	5.628	5.629	5.630	5.629	5.628	5.627
15.00	A	140988	144098	147249	150441	153673	156947	160262	163619	167019	170461	173947	177476
	B	5.601	5.606	5.611	5.615	5.619	5.622	5.624	5.625	5.626	5.626	5.625	5.623
15.25	A	140143	143245	146388	149571	152796	156061	159368	162717	166108	169542	173019	176539
	B	5.595	5.601	5.606	5.611	5.614	5.617	5.620	5.621	5.622	5.622	5.621	5.620
15.50	A	139301	142395	145530	148705	151921	155178	158477	161817	165200	168625	172093	175605
	B	5.590	5.596	5.601	5.606	5.610	5.613	5.615	5.617	5.618	5.618	5.618	5.617
15.75	A	138461	141548	144674	147841	151049	154298	157588	160920	164294	167711	171170	174674
	B	5.584	5.590	5.596	5.601	5.605	5.608	5.611	5.613	5.614	5.615	5.614	5.613
16.00	A	137624	140703	143821	146980	150180	153420	156702	160025	163391	166799	170250	173745
	B	5.579	5.585	5.591	5.596	5.600	5.604	5.606	5.609	5.610	5.611	5.611	5.610
16.25	A	136790	139860	142971	146122	149313	152545	155818	159134	162491	165890	169332	172818
	B	5.573	5.580	5.586	5.591	5.595	5.599	5.602	5.604	5.606	5.607	5.607	5.607
16.50	A	135958	139021	142123	145266	148449	151673	154938	158244	161593	164984	168417	171895
	B	5.568	5.574	5.580	5.586	5.590	5.594	5.598	5.600	5.602	5.603	5.603	5.602
16.75	A	135129	138184	141278	144413	147587	150803	154060	157358	160698	164080	167505	170973
	B	5.562	5.569	5.575	5.581	5.586	5.590	5.593	5.596	5.598	5.599	5.600	5.600
17.00	A	134303	137350	140436	143562	146729	149936	153184	156474	159805	163179	166595	170055
	B	5.556	5.564	5.570	5.576	5.581	5.585	5.589	5.592	5.594	5.595	5.596	5.596
17.25	A	133480	136518	139596	142714	145873	149072	152311	155593	158916	162281	165688	169139
	B	5.551	5.558	5.565	5.571	5.576	5.580	5.584	5.587	5.590	5.591	5.592	5.593
17.50	A	132659	135689	138759	141869	145019	148210	151441	154714	158028	161385	164784	168226
	B	5.545	5.553	5.559	5.566	5.571	5.576	5.580	5.583	5.586	5.588	5.589	5.589
17.75	A	131840	134863	137925	141027	144168	147351	150574	153838	157144	160492	163892	167315
	B	5.539	5.547	5.554	5.560	5.566	5.571	5.575	5.579	5.581	5.584	5.585	5.586

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)		
		478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508		
18.00	A	131025	134039	137093	140187	143320	146494	149709	152965	156262	159601	162983	166407	169875	173387	176944	180545		
	B	5.534	5.542	5.549	5.555	5.561	5.566	5.571	5.574	5.577	5.580	5.581	5.582	5.582	5.582	5.580	5.578		
18.25	A	130212	133218	136264	139350	142475	145641	148847	152094	155383	158714	162087	165502	168961	172464	176012	179604		
	B	5.528	5.536	5.543	5.550	5.556	5.561	5.566	5.570	5.573	5.576	5.577	5.578	5.579	5.578	5.577	5.576		
18.50	A	129402	132400	135438	138515	141632	144790	147988	151226	154507	157828	161193	164600	168050	171544	175082	178666		
	B	5.522	5.530	5.538	5.545	5.551	5.557	5.561	5.566	5.569	5.572	5.574	5.575	5.575	5.575	5.574	5.573		
18.75	A	128594	131585	134614	137683	140792	143941	147131	150361	153633	156946	160301	163700	167141	170626	174156	177730		
	B	5.516	5.525	5.533	5.540	5.546	5.552	5.557	5.561	5.565	5.568	5.570	5.571	5.572	5.572	5.571	5.570		
19.00	A	127790	130772	133793	136854	139955	143096	146277	149498	152762	156066	159413	162802	166235	169711	173232	176797		
	B	5.511	5.519	5.527	5.534	5.541	5.547	5.552	5.557	5.560	5.563	5.566	5.567	5.568	5.569	5.568	5.567		
19.25	A	126988	129962	132975	136028	139120	142253	145425	148639	151893	155189	158527	161908	165331	168799	172310	175866		
	B	5.505	5.514	5.522	5.529	5.536	5.542	5.547	5.552	5.556	5.559	5.562	5.564	5.565	5.565	5.565	5.564		
19.50	A	126188	129154	132160	135204	138288	141412	144576	147781	151027	154315	157644	161016	164430	167889	171391	174938		
	B	5.499	5.508	5.516	5.524	5.531	5.537	5.543	5.548	5.552	5.555	5.558	5.560	5.561	5.562	5.562	5.561		
19.75	A	125391	128350	131347	134383	137459	140575	143730	146927	150164	153443	156763	160126	163532	166982	170475	174013		
	B	5.493	5.502	5.511	5.519	5.526	5.532	5.538	5.543	5.547	5.551	5.554	5.556	5.558	5.559	5.559	5.558		
20.00	A	124597	127548	130537	133565	136632	139740	142887	146075	149304	152574	155885	159240	162637	166077	169561	173091		
	B	5.487	5.496	5.505	5.513	5.521	5.527	5.533	5.538	5.543	5.547	5.550	5.553	5.554	5.555	5.555	5.555		
20.25	A	123806	126748	129729	132749	135809	138907	142046	145226	148446	151707	155010	158356	161744	165175	168651	172171		
	B	5.481	5.491	5.500	5.508	5.515	5.522	5.528	5.534	5.539	5.543	5.546	5.549	5.551	5.552	5.552	5.552		
20.50	A	123018	125952	128925	131936	134987	138078	141208	144379	147591	150843	154138	157474	160853	164276	167742	171253		
	B	5.475	5.485	5.494	5.502	5.510	5.517	5.524	5.529	5.534	5.538	5.542	5.545	5.547	5.549	5.549	5.549		
20.75	A	122232	125158	128123	131126	134169	137251	140373	143535	146738	149982	153268	156595	159966	163379	166837	170338		
	B	5.469	5.479	5.488	5.497	5.505	5.512	5.519	5.525	5.530	5.534	5.538	5.541	5.543	5.545	5.546	5.546		
21.00	A	121448	124367	127323	130319	133353	136427	139540	142694	145888	149124	152401	155719	159081	162485	165934	169426		
	B	5.463	5.473	5.483	5.492	5.500	5.507	5.514	5.520	5.525	5.530	5.534	5.537	5.540	5.542	5.543	5.543		
21.25	A	120668	123578	126527	129514	132540	135605	138710	141856	145041	148268	151536	154846	158199	161594	165033	168517		
	B	5.457	5.467	5.477	5.486	5.494	5.502	5.509	5.515	5.521	5.526	5.530	5.533	5.536	5.538	5.539	5.540		
21.50	A	119890	122792	125733	128712	131729	134786	137883	141020	144197	147415	150674	153975	157319	160705	164136	167610		
	B	5.451	5.462	5.471	5.481	5.489	5.497	5.504	5.511	5.516	5.521	5.526	5.529	5.532	5.535	5.536	5.537		
21.75	A	119115	122009	124941	127912	130922	133970	137059	140187	143355	146564	149815	153107	156442	159820	163241	166706		
	B	5.445	5.456	5.466	5.475	5.484	5.492	5.499	5.506	5.512	5.517	5.522	5.525	5.529	5.531	5.533	5.534		

TEMP DEG C		DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE									
		478	480	482	484	486	488	490	492	494	496
22.00	A	118343	121229	124153	127115	130117	133157	136237	139356	142516	145717
	B	5.439	5.450	5.460	5.470	5.479	5.487	5.494	5.501	5.507	5.513
22.25	A	117573	120451	123367	126321	129314	132346	135418	138529	141680	144872
	B	5.433	5.444	5.454	5.464	5.473	5.482	5.489	5.496	5.503	5.508
22.50	A	116806	119676	122584	125530	128515	131538	134601	137703	140846	144029
	B	5.426	5.438	5.449	5.458	5.468	5.476	5.484	5.491	5.498	5.504
22.75	A	116042	118904	121804	124742	127718	130733	133787	136881	140015	143190
	B	5.420	5.432	5.443	5.453	5.462	5.471	5.479	5.487	5.493	5.499
23.00	A	115281	118135	121026	123956	126924	129930	132976	136062	139187	142353
	B	5.414	5.426	5.437	5.447	5.457	5.466	5.474	5.482	5.489	5.495
23.25	A	114522	117368	120251	123173	126132	129131	132168	135245	138361	141518
	B	5.408	5.420	5.431	5.442	5.451	5.461	5.469	5.477	5.484	5.490
23.50	A	113766	116604	119479	122392	125343	128333	131362	134430	137538	140687
	B	5.402	5.414	5.425	5.436	5.446	5.455	5.464	5.472	5.479	5.486
23.75	A	113013	115842	118710	121614	124557	127539	130559	133619	136718	139858
	B	5.395	5.408	5.419	5.430	5.440	5.450	5.459	5.467	5.475	5.481
24.00	A	112262	115084	117943	120839	123774	126747	129759	132810	135901	139032
	B	5.389	5.401	5.413	5.424	5.435	5.445	5.454	5.462	5.470	5.477
24.25	A	111515	114328	117179	120067	122994	125958	128962	132004	135086	138208
	B	5.383	5.395	5.407	5.419	5.429	5.439	5.449	5.457	5.465	5.472
24.50	A	110770	113575	116418	119298	122216	125172	128167	131201	134274	137387
	B	5.376	5.389	5.401	5.413	5.424	5.434	5.443	5.452	5.460	5.468
24.75	A	110027	112825	115659	118531	121441	124388	127375	130400	133465	136569
	B	5.370	5.383	5.395	5.407	5.418	5.428	5.438	5.447	5.455	5.463
25.00	A	109288	112077	114903	117767	120668	123608	126585	129602	132658	135754
	B	5.364	5.377	5.389	5.401	5.412	5.423	5.433	5.442	5.450	5.458
25.25	A	108551	111332	114150	117005	119898	122829	125799	128807	131854	134941
	B	5.357	5.371	5.383	5.395	5.407	5.418	5.428	5.437	5.446	5.454
25.50	A	107817	110590	113400	116247	119132	122054	125015	128014	131053	134131
	B	5.351	5.364	5.377	5.390	5.401	5.412	5.422	5.432	5.441	5.449
25.75	A	107085	109850	112652	115491	118367	121281	124234	127225	130254	133324
	B	5.344	5.358	5.371	5.384	5.395	5.407	5.417	5.427	5.436	5.444

COMPRESSION FACTOR PER KILOPASCAL $F = 1/(A + DP \cdot B)$
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508
26.00 A	106357	109114	111907	114738	117606	120512	123455	126438	129459	132519	135620	138761	141943	145167	148433	151742
B	5.338	5.352	5.365	5.378	5.390	5.401	5.412	5.422	5.431	5.439	5.447	5.455	5.461	5.467	5.472	5.477
26.25 A	105631	108380	111165	113988	116847	119744	122680	125653	128666	131718	134809	137941	141115	144329	147586	150896
B	5.331	5.345	5.359	5.372	5.384	5.395	5.406	5.416	5.426	5.435	5.443	5.450	5.457	5.463	5.468	5.473
26.50 A	104908	107649	110426	113240	116091	118980	121907	124872	127875	130918	134001	137125	140289	143494	146742	150033
B	5.325	5.339	5.353	5.366	5.378	5.390	5.401	5.411	5.421	5.430	5.438	5.446	5.453	5.459	5.465	5.469
26.75 A	104188	106920	109689	112495	115338	118218	121136	124093	127088	130122	133196	136310	139465	142662	145900	149182
B	5.318	5.333	5.347	5.360	5.372	5.384	5.395	5.406	5.416	5.425	5.433	5.441	5.448	5.455	5.461	5.466
27.00 A	103470	106195	108955	111753	114587	117459	120369	123317	126303	129328	132394	135499	138645	141832	145062	148334
B	5.311	5.326	5.340	5.354	5.366	5.379	5.390	5.401	5.411	5.420	5.429	5.437	5.444	5.451	5.457	5.462
27.25 A	102755	105472	108224	111014	113840	116703	119604	122543	125521	128538	131594	134690	137827	141005	144225	147488
B	5.305	5.320	5.334	5.348	5.361	5.373	5.384	5.395	5.406	5.415	5.424	5.432	5.440	5.447	5.453	5.458
27.50 A	102043	104752	107496	110277	113095	115950	118842	121773	124742	127749	130797	133884	137012	140181	143392	146645
B	5.298	5.313	5.328	5.342	5.355	5.367	5.379	5.390	5.401	5.410	5.419	5.428	5.436	5.443	5.449	5.455
27.75 A	101334	104034	106771	109543	112353	115199	118083	121005	123965	126964	130002	133081	136199	139359	142561	145805
B	5.291	5.307	5.321	5.335	5.349	5.361	5.373	5.385	5.395	5.405	5.415	5.423	5.431	5.439	5.445	5.451
28.00 A	100628	103320	106048	108812	111613	114451	117326	120240	123191	126181	129211	132280	135390	138541	141733	144968
B	5.285	5.300	5.315	5.329	5.343	5.356	5.368	5.379	5.390	5.400	5.410	5.419	5.427	5.434	5.441	5.447
28.25 A	99924	102608	105328	108084	110876	113706	116573	119477	122420	125401	128422	131482	134583	137725	140908	144133
B	5.278	5.294	5.309	5.323	5.337	5.350	5.362	5.374	5.385	5.395	5.405	5.414	5.423	5.430	5.437	5.444
28.50 A	99223	101899	104610	107358	110142	112963	115822	118717	121651	124624	127636	130687	133779	136911	140085	143301
B	5.271	5.287	5.302	5.317	5.331	5.344	5.357	5.369	5.380	5.390	5.400	5.410	5.418	5.426	5.433	5.440
28.75 A	98525	101192	103896	106635	109411	112224	115073	117960	120886	123849	126852	129895	132977	136100	139265	142472
B	5.264	5.281	5.296	5.311	5.325	5.338	5.351	5.363	5.375	5.385	5.396	5.405	5.414	5.422	5.429	5.436
29.00 A	97829	100489	103184	105915	108683	111487	114328	117206	120123	123078	126071	129105	132178	135292	138448	141646
B	5.258	5.274	5.290	5.305	5.319	5.333	5.346	5.358	5.369	5.380	5.391	5.400	5.409	5.417	5.425	5.432
29.25 A	97137	99788	102475	105198	107957	110753	113585	116455	119363	122309	125294	128318	131382	134487	137633	140822
B	5.251	5.267	5.283	5.298	5.313	5.327	5.340	5.352	5.364	5.375	5.386	5.396	5.405	5.413	5.421	5.428
29.50 A	96447	99090	101769	104484	107234	110021	112845	115706	118605	121542	124518	127534	130589	133685	136822	140001
B	5.244	5.261	5.277	5.292	5.307	5.321	5.334	5.347	5.359	5.370	5.381	5.391	5.400	5.409	5.417	5.424
29.75 A	95760	98395	101066	103772	106514	109292	112108	114960	117850	120779	123746	126752	129798	132885	136013	139182
B	5.237	5.254	5.270	5.286	5.301	5.315	5.328	5.341	5.354	5.365	5.376	5.386	5.396	5.405	5.413	5.420

TEMP DEG C	LUMPHRESSIBILITY FACTOR PER KILOGRAM DENSITY AT 15 DEGREES C										F-1 (ADJUSTED) CUBIC METRE					
	478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508
30.00 A	95075	97703	100365	103063	105797	108567	111373	114217	117099	120018	122976	125973	129010	132088	135206	138367
30.00 B	5.230	5.247	5.264	5.279	5.295	5.309	5.323	5.336	5.348	5.360	5.371	5.381	5.391	5.400	5.409	5.416
30.25 A	94394	97013	99667	102357	105082	107844	110642	113477	116349	119260	122209	125197	128225	131293	134403	137554
30.25 B	5.223	5.241	5.257	5.273	5.288	5.303	5.317	5.330	5.343	5.355	5.366	5.377	5.387	5.396	5.404	5.412
30.50 A	93715	96326	98972	101653	104370	107123	109913	112739	115603	118505	121445	124424	127443	130502	133602	136743
30.50 B	5.216	5.234	5.251	5.267	5.282	5.297	5.311	5.325	5.337	5.350	5.361	5.372	5.382	5.391	5.400	5.408
30.75 A	93039	95642	98280	100953	103661	106406	109186	112004	114859	117752	120683	123653	126663	129713	132803	135936
30.75 B	5.209	5.227	5.244	5.260	5.276	5.291	5.305	5.319	5.332	5.344	5.356	5.367	5.377	5.387	5.396	5.404
31.00 A	92366	94961	97590	100255	102955	105691	108463	111272	114118	117002	119925	122886	125886	128927	132008	135131
31.00 B	5.202	5.220	5.237	5.254	5.270	5.285	5.299	5.313	5.327	5.339	5.351	5.362	5.373	5.383	5.392	5.400
31.25 A	91696	94282	96903	99560	102251	104979	107742	110543	113380	116255	119169	122121	125112	128143	131215	134329
31.25 B	5.195	5.213	5.231	5.248	5.264	5.279	5.294	5.308	5.321	5.334	5.346	5.357	5.368	5.378	5.387	5.396
31.50 A	91028	93607	96220	98867	101551	104270	107025	109816	112645	115511	118415	121358	124340	127363	130425	133529
31.50 B	5.188	5.207	5.224	5.241	5.257	5.273	5.288	5.302	5.316	5.329	5.341	5.352	5.363	5.374	5.383	5.392
31.75 A	90364	92934	95538	98178	100853	103563	106310	109092	111912	114770	117665	120599	123572	126585	129638	132733
31.75 B	5.181	5.200	5.217	5.235	5.251	5.267	5.282	5.296	5.310	5.323	5.336	5.347	5.359	5.369	5.379	5.388
32.00 A	89702	92264	94860	97491	100158	102859	105597	108371	111182	114031	116917	119842	122806	125809	128853	131939
32.00 B	5.174	5.193	5.211	5.228	5.245	5.261	5.276	5.291	5.305	5.318	5.330	5.342	5.354	5.364	5.375	5.384
32.25 A	89042	91596	94185	96807	99465	102159	104888	107653	110455	113295	116172	119088	122043	125037	128072	131147
32.25 B	5.167	5.186	5.204	5.221	5.238	5.254	5.270	5.285	5.299	5.312	5.325	5.338	5.349	5.360	5.370	5.380
32.50 A	88386	90932	93512	96126	98776	101460	104181	106938	109731	112562	115430	118336	121282	124267	127293	130359
32.50 B	5.160	5.179	5.197	5.215	5.232	5.248	5.264	5.279	5.293	5.307	5.320	5.333	5.344	5.355	5.366	5.375
32.75 A	87733	90270	92842	95448	98089	100765	103477	106225	109010	111831	114690	117588	120524	123500	126516	129573
32.75 B	5.153	5.172	5.190	5.208	5.226	5.242	5.258	5.273	5.288	5.302	5.315	5.327	5.339	5.351	5.361	5.371
33.00 A	87082	89611	92175	94772	97405	100073	102776	105515	108291	111103	113954	116842	119769	122736	125743	128790
33.00 B	5.146	5.165	5.184	5.202	5.219	5.236	5.252	5.267	5.282	5.296	5.310	5.322	5.335	5.346	5.357	5.367
33.25 A	86434	88955	91510	94100	96724	99383	102077	104808	107575	110379	113220	116099	119017	121974	124972	128010
33.25 B	5.138	5.158	5.177	5.195	5.213	5.230	5.246	5.261	5.276	5.291	5.304	5.317	5.330	5.341	5.352	5.363
33.50 A	85789	88302	90849	93430	96045	98696	101382	104104	106862	109656	112489	115359	118268	121216	124204	127232
33.50 B	5.131	5.151	5.170	5.188	5.206	5.223	5.240	5.256	5.271	5.285	5.299	5.312	5.325	5.337	5.348	5.358
33.75 A	85147	87651	90190	92763	95370	98012	100689	103402	106151	108937	111760	114621	117521	120460	123438	126458
33.75 B	5.124	5.144	5.163	5.182	5.200	5.217	5.234	5.250	5.265	5.280	5.294	5.307	5.320	5.332	5.343	5.354

TEMP DEG C		COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
		478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508	
34.00	A	84507	87004	89534	92098	94697	97331	99999	102703	105444	108221	111035	113887	116777	119707	122676	125685	
	B	5.117	5.137	5.156	5.175	5.193	5.211	5.228	5.244	5.259	5.274	5.288	5.302	5.315	5.327	5.339	5.350	
34.25	A	83870	86359	88881	91437	94027	96652	99312	102007	104739	107507	110312	113155	116036	118956	121916	124916	
	B	5.109	5.130	5.149	5.168	5.187	5.204	5.221	5.238	5.254	5.269	5.283	5.297	5.310	5.322	5.334	5.345	
34.50	A	83237	85717	88231	90778	93360	95976	98628	101314	104037	106796	109592	112426	115298	118208	121159	124150	
	B	5.102	5.122	5.142	5.162	5.180	5.198	5.215	5.232	5.248	5.263	5.278	5.292	5.305	5.318	5.330	5.341	
34.75	A	82606	85078	87583	90122	92696	95303	97946	100624	103338	106088	108875	111699	114562	117463	120404	123386	
	B	5.095	5.115	5.135	5.155	5.173	5.192	5.209	5.226	5.242	5.257	5.272	5.286	5.300	5.313	5.325	5.337	
35.00	A	81977	84441	86939	89469	92034	94633	97267	99936	102641	105382	108160	110976	113829	116721	119653	122625	
	B	5.087	5.108	5.128	5.148	5.167	5.185	5.203	5.220	5.236	5.252	5.267	5.281	5.295	5.308	5.320	5.332	
35.25	A	81352	83808	86297	88819	91375	93966	96591	99251	101947	104680	107449	110255	113099	115982	118904	121866	
	B	5.080	5.101	5.121	5.141	5.160	5.179	5.197	5.214	5.230	5.246	5.261	5.276	5.290	5.303	5.316	5.328	
35.50	A	80730	83177	85658	88172	90720	93301	95918	98570	101257	103980	106740	109537	112372	115245	118158	121111	
	B	5.072	5.094	5.114	5.134	5.154	5.172	5.190	5.208	5.224	5.240	5.256	5.271	5.285	5.298	5.311	5.323	
35.75	A	80110	82549	85022	87527	90067	92640	95248	97890	100569	103283	106034	108821	111647	114511	117415	120358	
	B	5.065	5.086	5.107	5.127	5.147	5.166	5.184	5.202	5.218	5.235	5.250	5.265	5.280	5.293	5.306	5.319	
36.00	A	79493	81924	84388	86885	89416	91981	94580	97214	99883	102589	105330	108109	110925	113780	116674	119608	
	B	5.057	5.079	5.100	5.120	5.140	5.159	5.178	5.195	5.212	5.229	5.245	5.260	5.274	5.288	5.302	5.314	
36.25	A	78879	81302	83758	86247	88769	91325	93915	96540	99201	101897	104630	107399	110206	113052	115936	118861	
	B	5.050	5.072	5.093	5.114	5.133	5.153	5.171	5.189	5.207	5.223	5.239	5.255	5.269	5.283	5.297	5.310	
36.50	A	78268	80683	83130	85610	88124	90672	93253	95870	98521	101208	103932	106692	109490	112326	115201	118116	
	B	5.042	5.064	5.086	5.107	5.127	5.146	5.165	5.183	5.201	5.217	5.234	5.249	5.264	5.278	5.292	5.305	
36.75	A	77660	80066	82505	84977	87482	90021	92594	95202	97844	100523	103237	105988	108777	111604	114469	117374	
	B	5.035	5.057	5.079	5.100	5.120	5.139	5.158	5.177	5.195	5.212	5.228	5.244	5.259	5.273	5.287	5.300	
37.00	A	77054	79452	81883	84347	86843	89374	91938	94537	97170	99840	102545	105287	108066	110884	113740	116635	
	B	5.027	5.050	5.071	5.093	5.113	5.133	5.152	5.171	5.189	5.206	5.222	5.238	5.254	5.268	5.282	5.296	
37.25	A	76451	78842	81264	83719	86207	88729	91285	93874	96499	99159	101856	104588	107358	110166	113013	115899	
	B	5.020	5.042	5.064	5.086	5.106	5.126	5.146	5.164	5.182	5.200	5.217	5.233	5.248	5.263	5.278	5.291	
37.50	A	75852	78234	80648	83094	85574	88087	90634	93215	95831	98482	101169	103893	106653	109452	112289	115166	
	B	5.012	5.035	5.057	5.078	5.099	5.120	5.139	5.158	5.176	5.194	5.211	5.227	5.243	5.258	5.273	5.286	
37.75	A	75255	77628	80034	82472	84944	87448	89986	92558	95165	97807	100485	103200	105951	108740	111568	114435	
	B	5.004	5.027	5.050	5.071	5.092	5.113	5.133	5.152	5.170	5.188	5.205	5.222	5.238	5.253	5.268	5.282	

TEMP DEG C		DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE														
		478	480	482	484	486	488	490	492	494	496	498	500	502	504	506
38.00	A	74660	77026	79424	81853	84316	86812	89341	91904	94502	97136	99804	102510	105252	108031	110850
	B	4.997	5.020	5.042	5.064	5.086	5.106	5.126	5.145	5.164	5.182	5.200	5.216	5.232	5.248	5.263
38.25	A	74069	76427	78816	81237	83691	86178	88699	91253	93842	96467	99126	101822	104555	107325	110134
	B	4.989	5.012	5.035	5.057	5.079	5.099	5.120	5.139	5.158	5.176	5.194	5.211	5.227	5.243	5.258
38.50	A	73481	75830	78211	80624	83069	85548	88060	90605	93185	95800	98451	101138	103861	106622	109421
	B	4.981	5.005	5.028	5.050	5.072	5.093	5.113	5.133	5.152	5.170	5.188	5.205	5.222	5.238	5.253
38.75	A	72895	75236	77609	80013	82450	84920	87423	89960	92531	95137	97778	100456	103170	105922	108711
	B	4.974	4.997	5.020	5.043	5.065	5.086	5.106	5.126	5.146	5.164	5.182	5.200	5.216	5.232	5.248
39.00	A	72313	74645	77009	79406	81834	84295	86789	89317	91880	94477	97109	99777	102482	105224	108004
	B	4.966	4.990	5.013	5.036	5.058	5.079	5.100	5.120	5.139	5.158	5.176	5.194	5.211	5.227	5.243
39.25	A	71733	74057	76413	78801	81221	83673	86159	88678	91231	93819	96442	99101	101796	104529	107300
	B	4.958	4.982	5.006	5.028	5.051	5.072	5.093	5.113	5.133	5.152	5.171	5.188	5.205	5.222	5.238
39.50	A	71156	73472	75819	78199	80610	83054	85531	88041	90585	93164	95778	98428	101114	103837	106598
	B	4.950	4.974	4.998	5.021	5.044	5.065	5.086	5.107	5.127	5.146	5.165	5.183	5.200	5.217	5.233
39.75	A	70582	72890	75229	77600	80002	82437	84905	87407	89942	92512	95117	97757	100434	103148	105899
	B	4.942	4.967	4.991	5.014	5.036	5.058	5.080	5.100	5.121	5.140	5.159	5.177	5.194	5.211	5.228
40.00	A	70010	72310	74641	77003	79397	81824	84283	86776	89302	91863	94458	97090	99757	102461	105203
	B	4.934	4.959	4.983	5.007	5.029	5.052	5.073	5.094	5.114	5.134	5.153	5.171	5.189	5.206	5.222
40.25	A	69442	71734	74056	76410	78795	81213	83664	86147	88665	91216	93803	96425	99083	101778	104510
	B	4.926	4.951	4.976	4.999	5.022	5.045	5.066	5.087	5.108	5.128	5.147	5.165	5.183	5.201	5.217
40.50	A	68877	71160	73474	75819	78196	80605	83047	85522	88030	90573	93150	95763	98411	101097	103820
	B	4.919	4.944	4.968	4.992	5.015	5.038	5.060	5.081	5.101	5.122	5.141	5.160	5.178	5.195	5.212
40.75	A	68314	70589	72895	75232	77600	80000	82433	84899	87399	89932	92500	95103	97743	100419	103132
	B	4.911	4.936	4.961	4.985	5.008	5.031	5.053	5.074	5.095	5.115	5.135	5.154	5.172	5.190	5.207
41.00	A	67754	70021	72318	74647	77007	79398	81823	84279	86770	89294	91853	94447	97077	99743	102447
	B	4.903	4.928	4.953	4.977	5.001	5.024	5.046	5.068	5.089	5.109	5.129	5.148	5.167	5.184	5.202
41.25	A	67197	69456	71745	74065	76416	78799	81214	83663	86144	88659	91209	93794	96414	99071	101765
	B	4.895	4.920	4.945	4.970	4.993	5.017	5.039	5.061	5.082	5.103	5.123	5.142	5.161	5.179	5.196
41.50	A	66643	68894	71174	73486	75828	78203	80609	83048	85521	88027	90567	93143	95754	98401	101086
	B	4.887	4.912	4.938	4.962	4.986	5.010	5.032	5.054	5.076	5.097	5.117	5.136	5.155	5.173	5.191
41.75	A	66092	68334	70606	72909	75244	77609	80007	82437	84901	87398	89929	92495	95097	97735	100410
	B	4.879	4.905	4.930	4.955	4.979	5.002	5.025	5.048	5.069	5.090	5.111	5.130	5.149	5.168	5.186

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508	
42.00 A	65544	67778	70042	72336	74662	77019	79407	81829	84283	86771	89293	91850	94442	97071	99736	102439	
42.00 B	4.871	4.897	4.922	4.947	4.972	4.995	5.018	5.041	5.063	5.084	5.104	5.124	5.144	5.162	5.180	5.198	
42.25 A	64999	67224	69480	71766	74082	76431	78811	81223	83669	86147	88660	91208	93791	96410	99065	101759	
42.25 B	4.862	4.889	4.915	4.940	4.964	4.988	5.012	5.034	5.056	5.078	5.098	5.118	5.138	5.157	5.175	5.193	
42.50 A	64456	66673	68920	71198	73506	75846	78217	80621	83057	85527	88030	90568	93142	95751	98397	101081	
42.50 B	4.854	4.881	4.907	4.932	4.957	4.981	5.005	5.027	5.050	5.071	5.092	5.113	5.132	5.151	5.170	5.188	
42.75 A	63917	66126	68364	70633	72933	75264	77626	80021	82448	84909	87403	89932	92496	95096	97732	100406	
42.75 B	4.846	4.873	4.899	4.925	4.950	4.974	4.998	5.021	5.043	5.065	5.086	5.107	5.126	5.146	5.164	5.182	
43.00 A	63380	65581	67811	70071	72363	74685	77038	79424	81842	84293	86779	89298	91853	94443	97070	99734	
43.00 B	4.838	4.865	4.891	4.917	4.942	4.967	4.991	5.014	5.036	5.058	5.080	5.100	5.121	5.140	5.159	5.177	
43.25 A	62846	65039	67260	69512	71795	74108	76453	78830	81239	83681	86157	88667	91212	93793	96411	99065	
43.25 B	4.830	4.857	4.884	4.909	4.935	4.959	4.984	5.007	5.030	5.052	5.074	5.094	5.115	5.134	5.153	5.172	
43.50 A	62315	64499	66713	68956	71230	73535	75871	78239	80639	83072	85538	88039	90575	93146	95754	98399	
43.50 B	4.822	4.849	4.876	4.902	4.927	4.952	4.976	5.000	5.023	5.045	5.067	5.088	5.109	5.129	5.148	5.167	
43.75 A	61787	63963	66168	68403	70668	72964	75292	77650	80041	82465	84923	87414	89940	92502	95100	97735	
43.75 B	4.813	4.841	4.868	4.894	4.920	4.945	4.969	4.993	5.016	5.039	5.061	5.082	5.103	5.123	5.143	5.161	
44.00 A	61262	63430	65626	67853	70110	72397	74715	77065	79447	81862	84310	86792	89308	91861	94449	97074	
44.00 B	4.805	4.833	4.860	4.886	4.912	4.938	4.962	4.986	5.010	5.032	5.055	5.076	5.097	5.117	5.137	5.156	
44.25 A	60740	62899	65088	67306	69553	71832	74141	76482	78855	81261	83700	86172	88680	91222	93801	96417	
44.25 B	4.797	4.825	4.852	4.879	4.905	4.930	4.955	4.979	5.003	5.026	5.048	5.070	5.091	5.112	5.131	5.151	
44.50 A	60221	62372	64552	66761	69000	71270	73571	75903	78266	80663	83092	85556	88053	90586	93156	95761	
44.50 B	4.788	4.817	4.844	4.871	4.897	4.923	4.948	4.972	4.996	5.019	5.042	5.064	5.085	5.106	5.126	5.145	
44.75 A	59705	61847	64019	66219	68450	70711	73003	75326	77681	80068	82488	84942	87430	89954	92513	95109	
44.75 B	4.780	4.808	4.836	4.863	4.890	4.916	4.941	4.965	4.989	5.013	5.035	5.058	5.079	5.100	5.120	5.140	
45.00 A	59191	61325	63488	65681	67903	70155	72438	74752	77098	79476	81886	84331	86810	89324	91873	94460	
45.00 B	4.772	4.800	4.828	4.855	4.882	4.908	4.934	4.958	4.983	5.006	5.029	5.051	5.073	5.094	5.115	5.135	
45.25 A	58681	60806	62961	65145	67358	69602	71876	74181	76517	78886	81288	83723	86192	88697	91237	93813	
45.25 B	4.763	4.792	4.820	4.848	4.875	4.901	4.926	4.951	4.976	4.999	5.023	5.045	5.067	5.088	5.109	5.129	
45.50 A	58173	60291	62437	64612	66817	69051	71317	73613	75940	78300	80692	83118	85578	88072	90603	93169	
45.50 B	4.755	4.784	4.812	4.840	4.867	4.893	4.919	4.944	4.969	4.993	5.016	5.039	5.061	5.082	5.103	5.124	
45.75 A	57668	59777	61915	64082	66278	68504	70760	73047	75366	77716	80099	82515	84966	87451	89971	92528	
45.75 B	4.747	4.776	4.804	4.832	4.859	4.886	4.912	4.937	4.962	4.986	5.010	5.033	5.055	5.077	5.098	5.118	

TEMP DEG C		COMPRESSION FACTOR FOR KILOGRAM PER DENSITY AT 15 DEGREES C										CUBIC METRE PER CUBIC METRE					
		478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508
46.00	A	57166	59267	61397	63555	65742	67959	70207	72485	74794	77135	79509	81916	84357	86832	89343	91890
	B	4.738	4.767	4.796	4.824	4.852	4.878	4.905	4.930	4.955	4.979	5.003	5.026	5.049	5.071	5.092	5.113
46.25	A	56668	58760	60881	63031	65209	67418	69656	71925	74226	76558	78922	81319	83751	86216	88718	91255
	B	4.730	4.759	4.788	4.816	4.844	4.871	4.897	4.923	4.948	4.973	4.997	5.020	5.043	5.065	5.086	5.107
46.50	A	56172	58256	60368	62509	64680	66879	69109	71369	73660	75983	78338	80726	83147	85604	88095	90623
	B	4.721	4.751	4.780	4.808	4.836	4.863	4.890	4.916	4.941	4.966	4.990	5.014	5.036	5.059	5.080	5.101
46.75	A	55679	57755	59859	61991	64152	66343	68564	70815	73097	75411	77756	80135	82547	84994	87475	89993
	B	4.713	4.742	4.772	4.800	4.828	4.856	4.882	4.909	4.934	4.959	4.983	5.007	5.030	5.053	5.075	5.096
47.00	A	55189	57256	59352	61476	63628	65810	68022	70264	72537	74841	77178	79547	81950	84386	86858	89366
	B	4.704	4.734	4.763	4.792	4.820	4.848	4.875	4.901	4.927	4.952	4.977	5.001	5.024	5.047	5.069	5.090
47.25	A	54701	56761	58848	60963	63107	65280	67483	69716	71980	74275	76602	78962	81355	83782	86244	88742
	B	4.695	4.726	4.755	4.784	4.813	4.840	4.868	4.894	4.920	4.945	4.970	4.994	5.018	5.041	5.063	5.085
47.50	A	54217	56268	58347	60453	62589	64753	66947	69171	71426	73712	76029	78380	80763	83181	85633	88121
	B	4.687	4.717	4.747	4.776	4.805	4.833	4.860	4.887	4.913	4.939	4.964	4.988	5.012	5.035	5.057	5.079
47.75	A	53736	55778	57849	59947	62073	64229	66414	68629	70874	73151	75459	77800	80174	82582	85025	87503
	B	4.678	4.709	4.739	4.768	4.797	4.825	4.853	4.880	4.906	4.932	4.957	4.981	5.005	5.029	5.051	5.073
48.00	A	53257	55292	57353	59443	61561	63708	65884	68090	70326	72593	74892	77224	79588	81986	84419	86888
	B	4.670	4.700	4.731	4.760	4.789	4.817	4.845	4.872	4.899	4.925	4.950	4.975	4.999	5.022	5.045	5.068
48.25	A	52782	54808	56861	58942	61051	63189	65357	67553	69781	72039	74328	76650	79005	81394	83817	86275
	B	4.661	4.692	4.722	4.752	4.781	4.810	4.838	4.865	4.892	4.918	4.943	4.968	4.993	5.016	5.039	5.062
48.50	A	52309	54327	56372	58444	60545	62674	64832	67020	69238	71487	73767	76079	78425	80804	83217	85666
	B	4.652	4.683	4.714	4.744	4.773	4.802	4.830	4.858	4.885	4.911	4.937	4.962	4.986	5.010	5.033	5.056
48.75	A	51840	53849	55885	57949	60041	62161	64311	66490	68698	70938	73209	75512	77847	80217	82620	85059
	B	4.643	4.675	4.706	4.736	4.765	4.794	4.823	4.850	4.877	4.904	4.930	4.955	4.980	5.004	5.027	5.050
49.00	A	51373	53374	55402	57457	59540	61652	63792	65962	68162	70392	72653	74947	77273	79632	82026	84455
	B	4.635	4.666	4.697	4.728	4.757	4.786	4.815	4.843	4.870	4.897	4.923	4.949	4.973	4.998	5.021	5.044
49.25	A	50910	52902	54921	56968	59043	61145	63277	65437	67628	69849	72101	74385	76701	79051	81435	83854
	B	4.626	4.658	4.689	4.719	4.749	4.779	4.807	4.835	4.863	4.890	4.916	4.942	4.967	4.991	5.015	5.039
49.50	A	50449	52433	54444	56482	58548	60641	62764	64916	67097	69309	71551	73826	76132	78472	80847	83256
	B	4.617	4.649	4.680	4.711	4.741	4.771	4.800	4.828	4.856	4.883	4.909	4.935	4.961	4.985	5.009	5.033
49.75	A	49991	51967	53969	55999	58056	60141	62254	64397	66569	68771	71004	73269	75567	77897	80261	82660
	B	4.608	4.640	4.672	4.703	4.733	4.763	4.792	4.821	4.848	4.876	4.902	4.929	4.954	4.979	5.003	5.027

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C															F=1/(A+DP*B) CUBIC METRE		
	478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508		
50.00 A	49536	51504	53497	55518	57567	59643	61747	63881	66044	68237	70461	72716	75004	77324	79679	82068		
50.00 B	4.599	4.632	4.663	4.695	4.725	4.755	4.784	4.813	4.841	4.869	4.896	4.922	4.948	4.973	4.997	5.021		
50.25 A	49084	51043	53029	55041	57081	59148	61243	63368	65522	67705	69920	72166	74444	76754	79099	81478		
50.25 B	4.591	4.623	4.655	4.686	4.717	4.747	4.777	4.806	4.834	4.862	4.889	4.915	4.941	4.966	4.991	5.015		
50.50 A	48635	50586	52563	54567	56597	58656	60742	62858	65002	67177	69382	71618	73886	76187	78522	80891		
50.50 B	4.582	4.614	4.646	4.678	4.709	4.739	4.769	4.798	4.826	4.854	4.882	4.908	4.934	4.960	4.985	5.009		
50.75 A	48189	50132	52100	54095	56117	58167	60244	62351	64486	66651	68847	71073	73332	75623	77948	80308		
50.75 B	4.573	4.606	4.638	4.670	4.701	4.731	4.761	4.790	4.819	4.847	4.875	4.902	4.928	4.954	4.979	5.003		
51.00 A	47746	49680	51640	53627	55640	57681	59749	61846	63972	66128	68314	70532	72781	75062	77377	79727		
51.00 B	4.564	4.597	4.629	4.661	4.693	4.723	4.753	4.783	4.812	4.840	4.868	4.895	4.921	4.947	4.972	4.997		
51.25 A	47306	49232	51183	53161	55166	57197	59257	61345	63462	65608	67785	69993	72232	74504	76809	79149		
51.25 B	4.555	4.588	4.621	4.653	4.684	4.715	4.745	4.775	4.804	4.833	4.861	4.888	4.915	4.941	4.966	4.991		
51.50 A	46869	48786	50729	52698	54694	56717	58768	60847	62954	65092	67259	69457	71687	73949	76244	78573		
51.50 B	4.546	4.579	4.612	4.644	4.676	4.707	4.738	4.768	4.797	4.825	4.854	4.881	4.908	4.934	4.960	4.985		
51.75 A	46435	48344	50278	52239	54226	56240	58282	60351	62450	64578	66735	68924	71144	73396	75682	78001		
51.75 B	4.537	4.570	4.603	4.636	4.668	4.699	4.730	4.760	4.789	4.818	4.847	4.874	4.901	4.928	4.954	4.979		
52.00 A	46004	47904	49830	51782	53760	55766	57798	59859	61948	64066	66215	68394	70604	72847	75122	77432		
52.00 B	4.528	4.562	4.595	4.627	4.660	4.691	4.722	4.752	4.782	4.811	4.839	4.867	4.895	4.921	4.947	4.973		
52.25 A	45576	47468	49385	51328	53298	55294	57318	59369	61449	63558	65697	67867	70067	72300	74566	76865		
52.25 B	4.519	4.553	4.586	4.619	4.651	4.683	4.714	4.744	4.774	4.804	4.832	4.860	4.888	4.915	4.941	4.967		
52.50 A	45151	47034	48943	50877	52838	54826	56840	58883	60953	63053	65183	67342	69533	71756	74012	76301		
52.50 B	4.510	4.544	4.577	4.610	4.643	4.675	4.706	4.737	4.767	4.796	4.825	4.853	4.881	4.908	4.935	4.961		
52.75 A	44728	46603	48504	50430	52382	54360	56366	58399	60460	62551	64671	66821	69002	71215	73461	75741		
52.75 B	4.500	4.535	4.569	4.602	4.635	4.667	4.698	4.729	4.759	4.789	4.818	4.846	4.874	4.902	4.928	4.954		
53.00 A	44309	46176	48068	49985	51928	53898	55894	57918	59970	62051	64162	66303	68474	70677	72913	75183		
53.00 B	4.491	4.526	4.560	4.593	4.626	4.658	4.690	4.721	4.752	4.781	4.811	4.839	4.868	4.895	4.922	4.948		
53.25 A	43893	45751	47634	49543	51477	53438	55426	57440	59483	61555	63656	65787	67949	70142	72368	74628		
53.25 B	4.482	4.517	4.551	4.585	4.618	4.650	4.682	4.713	4.744	4.774	4.804	4.832	4.861	4.888	4.915	4.942		
53.50 A	43479	45329	47204	49104	51030	52981	54960	56966	58999	61062	63153	65274	67427	69610	71826	74076		
53.50 B	4.473	4.508	4.542	4.576	4.609	4.642	4.674	4.705	4.736	4.767	4.796	4.825	4.854	4.882	4.909	4.936		
53.75 A	43069	44911	46777	48668	50585	52528	54497	56494	58518	60571	62653	64765	66907	69081	71287	73526		
53.75 B	4.464	4.499	4.533	4.568	4.601	4.634	4.666	4.698	4.729	4.759	4.789	4.818	4.847	4.875	4.903	4.929		

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOGRAM PER DENSITY AT 15 DEGREES C										F-11 (ASTM D-153) CUBIC METRE					
		478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508
54.00	A	4.2662	4.4495	4.6352	4.8235	5.0143	5.2077	5.4037	5.6025	5.8040	6.0083	6.2156	6.4258	6.6391	6.8555	7.0751	7.2980
	B	4.454	4.490	4.525	4.559	4.592	4.625	4.658	4.690	4.721	4.752	4.782	4.811	4.840	4.868	4.896	4.923
54.25	A	4.2257	4.4082	4.5931	4.7805	4.9704	5.1629	5.3581	5.5559	5.7565	5.9599	6.1662	6.3754	6.5877	6.8031	7.0217	7.2437
	B	4.445	4.481	4.516	4.550	4.584	4.617	4.650	4.682	4.713	4.744	4.774	4.804	4.833	4.862	4.890	4.917
54.50	A	4.1856	4.3672	4.5513	4.7378	4.9268	5.1184	5.3127	5.5096	5.7093	5.9117	6.1171	6.3253	6.5367	6.7511	6.9687	7.1896
	B	4.436	4.472	4.507	4.541	4.575	4.609	4.642	4.674	4.706	4.737	4.767	4.797	4.826	4.855	4.883	4.910
54.75	A	4.1458	4.3265	4.5097	4.6954	4.8835	5.0743	5.2676	5.4636	5.6623	5.8638	6.0682	6.2756	6.4859	6.6993	6.9160	7.1358
	B	4.427	4.463	4.498	4.533	4.567	4.600	4.633	4.666	4.698	4.729	4.760	4.790	4.819	4.848	4.876	4.904
55.00	A	4.1062	4.2862	4.4685	4.6533	4.8406	5.0304	5.2228	5.4179	5.6157	5.8163	6.0197	6.2261	6.4354	6.6479	6.8635	7.0824
	B	4.417	4.453	4.489	4.524	4.558	4.592	4.625	4.658	4.690	4.721	4.752	4.783	4.812	4.841	4.870	4.898
55.25	A	4.0670	4.2461	4.4276	4.6115	4.7979	4.9868	5.1783	5.3725	5.5693	5.7690	5.9715	6.1768	6.3852	6.5967	6.8113	7.0292
	B	4.408	4.444	4.480	4.515	4.550	4.584	4.617	4.650	4.682	4.714	4.745	4.775	4.805	4.834	4.863	4.891
55.50	A	4.0281	4.2063	4.3869	4.5700	4.7555	4.9435	5.1341	5.3274	5.5233	5.7220	5.9235	6.1279	6.3353	6.5458	6.7594	6.9763
	B	4.399	4.435	4.471	4.506	4.541	4.575	4.609	4.642	4.674	4.706	4.737	4.768	4.798	4.828	4.857	4.885
55.75	A	3.9894	4.1668	4.3466	4.5287	4.7134	4.9005	5.0902	5.2825	5.4775	5.6753	5.8759	6.0793	6.2858	6.4952	6.7079	6.9237
	B	4.389	4.426	4.462	4.497	4.532	4.567	4.601	4.634	4.666	4.698	4.730	4.761	4.791	4.821	4.850	4.878
56.00	A	3.9511	4.1276	4.3065	4.4878	4.6716	4.8578	5.0466	5.2380	5.4321	5.6289	5.8285	6.0310	6.2365	6.4449	6.6566	6.8714
	B	4.380	4.417	4.453	4.489	4.524	4.558	4.592	4.626	4.659	4.691	4.722	4.753	4.784	4.814	4.843	4.872
56.25	A	3.9130	4.0887	4.2668	4.4472	4.6301	4.8154	5.0033	5.1938	5.3869	5.5828	5.7814	5.9830	6.1874	6.3949	6.6056	6.8194
	B	4.370	4.407	4.444	4.480	4.515	4.550	4.584	4.618	4.651	4.683	4.715	4.746	4.777	4.807	4.836	4.865
56.50	A	3.8753	4.0502	4.2273	4.4069	4.5889	4.7733	4.9603	5.1499	5.3421	5.5370	5.7347	5.9352	6.1387	6.3452	6.5549	6.7677
	B	4.361	4.398	4.435	4.471	4.506	4.541	4.576	4.609	4.643	4.675	4.707	4.739	4.770	4.800	4.830	4.859
56.75	A	3.8379	4.0119	4.1882	4.3669	4.5480	4.7315	4.9176	5.1062	5.2975	5.4915	5.6882	5.8878	6.0903	6.2958	6.5044	6.7163
	B	4.351	4.389	4.426	4.462	4.498	4.533	4.567	4.601	4.635	4.668	4.700	4.731	4.763	4.793	4.823	4.852
57.00	A	3.8007	3.9739	4.1494	4.3272	4.5074	4.6900	4.8752	5.0629	5.2532	5.4463	5.6420	5.8407	6.0422	6.2467	6.4543	6.6651
	B	4.342	4.379	4.416	4.453	4.489	4.524	4.559	4.593	4.627	4.660	4.692	4.724	4.755	4.786	4.816	4.846
57.25	A	3.7639	3.9362	4.1108	4.2878	4.4671	4.6488	4.8331	5.0199	5.2093	5.4013	5.5962	5.7938	5.9944	6.1979	6.4045	6.6143
	B	4.332	4.370	4.407	4.444	4.480	4.516	4.551	4.585	4.619	4.652	4.685	4.717	4.748	4.779	4.809	4.839
57.50	A	3.7274	3.8988	4.0726	4.2486	4.4271	4.6079	4.7913	4.9771	5.1656	5.3567	5.5506	5.7473	5.9468	6.1494	6.3550	6.5637
	B	4.323	4.361	4.398	4.435	4.471	4.507	4.542	4.577	4.611	4.644	4.677	4.709	4.741	4.772	4.802	4.832
57.75	A	3.6911	3.8617	4.0346	4.2098	4.3874	4.5673	4.7498	4.9347	5.1222	5.3124	5.5053	5.7010	5.8996	6.1011	6.3057	6.5135
	B	4.313	4.351	4.389	4.426	4.462	4.498	4.534	4.568	4.603	4.636	4.669	4.702	4.734	4.765	4.796	4.826

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+DP*B)					
	478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508
58.00 A	36552	38250	39970	41713	43480	45270	47085	48926	50792	52684	54603	56550	58526	60532	62568	64635
	4.303	4.342	4.380	4.417	4.454	4.490	4.525	4.560	4.595	4.628	4.662	4.694	4.726	4.758	4.789	4.819
58.25 A	36196	37885	39597	41331	43089	44870	46676	48507	50364	52247	54156	56094	58060	60055	62081	64138
	4.294	4.332	4.370	4.408	4.445	4.481	4.517	4.552	4.586	4.620	4.654	4.687	4.719	4.751	4.782	4.812
58.50 A	35842	37523	39226	40952	42701	44473	46270	48092	49939	51812	53712	55640	57596	59582	61598	63644
	4.284	4.323	4.361	4.399	4.436	4.472	4.508	4.544	4.578	4.612	4.646	4.679	4.712	4.744	4.775	4.806
58.75 A	35492	37164	38859	40576	42316	44079	45867	47679	49517	51381	53271	55189	57136	59111	61117	63154
	4.274	4.313	4.352	4.390	4.427	4.463	4.500	4.535	4.570	4.605	4.638	4.672	4.704	4.736	4.768	4.799
59.00 A	35145	36809	38494	40203	41934	43688	45467	47270	49098	50953	52833	54742	56678	58644	60639	62666
	4.264	4.304	4.342	4.380	4.418	4.455	4.491	4.527	4.562	4.597	4.631	4.664	4.697	4.729	4.761	4.792
59.25 A	34801	36456	38133	39833	41555	43300	45070	46864	48683	50527	52398	54297	56224	58179	60164	62181
	4.255	4.294	4.333	4.371	4.409	4.446	4.482	4.518	4.554	4.589	4.623	4.656	4.689	4.722	4.754	4.785
59.50 A	34459	36106	37775	39466	41179	42915	44676	46460	48270	50105	51966	53855	55772	57717	59693	61699
	4.245	4.285	4.324	4.362	4.400	4.437	4.474	4.510	4.545	4.580	4.615	4.649	4.682	4.715	4.747	4.778
59.75 A	34121	35760	37420	39101	40806	42533	44284	46060	47860	49685	51537	53416	55323	57259	59224	61220
	4.235	4.275	4.314	4.353	4.391	4.428	4.465	4.501	4.537	4.572	4.607	4.641	4.675	4.707	4.740	4.772
60.00 A	33786	35416	37067	38740	40436	42154	43896	45662	47453	49269	51111	52981	54877	56803	58758	60743
	4.225	4.265	4.305	4.343	4.382	4.419	4.456	4.493	4.529	4.564	4.599	4.633	4.667	4.700	4.733	4.765

Not For Redistribution

COMPRESSION FACTOR PER KILOPASCAL F=1/(A+UP*B)
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540
-46.00 A	507945	513790	519689	525644	531653	537718	543838	550015	556248	562538	568886	575292	581756	588278	594861	601502
B	5.437	5.382	5.326	5.268	5.210	5.151	5.091	5.030	4.969	4.906	4.842	4.778	4.712	4.646	4.579	4.511
-45.75 A	506389	512227	518118	524065	530066	536123	542236	548405	554631	560913	567253	573651	580107	586622	593197	599831
B	5.441	5.386	5.330	5.273	5.215	5.156	5.096	5.035	4.974	4.911	4.848	4.784	4.719	4.652	4.585	4.517
-45.50 A	504836	510665	516549	522488	528482	534531	540636	546797	553015	559290	565622	572012	578461	584968	591535	598161
B	5.445	5.390	5.334	5.277	5.219	5.161	5.101	5.041	4.979	4.917	4.854	4.790	4.725	4.659	4.592	4.524
-45.25 A	503285	509106	514982	520913	526899	532941	539038	545191	551401	557669	563993	570376	576816	583316	589875	596494
B	5.448	5.394	5.338	5.281	5.224	5.165	5.106	5.046	4.984	4.922	4.859	4.796	4.731	4.665	4.598	4.531
-45.00 A	501735	507549	513418	519341	525319	531353	537442	543588	549790	556049	562366	568741	575174	581666	588217	594829
B	5.452	5.397	5.342	5.285	5.228	5.170	5.111	5.051	4.990	4.928	4.865	4.801	4.737	4.671	4.605	4.538
-44.75 A	500188	505994	511855	517770	523741	529767	535848	541986	548181	554432	560741	567108	573534	580018	586562	593165
B	5.455	5.401	5.346	5.290	5.232	5.174	5.115	5.056	4.995	4.933	4.871	4.807	4.743	4.678	4.611	4.544
-44.50 A	498643	504442	510294	516202	522165	528183	534257	540387	546574	552817	559119	565478	571895	578372	584908	591504
B	5.459	5.405	5.350	5.294	5.237	5.179	5.120	5.061	5.000	4.939	4.876	4.813	4.749	4.684	4.618	4.551
-44.25 A	497101	502891	508736	514636	520591	526601	532667	538789	544968	551204	557498	563849	570259	576728	583256	589845
B	5.463	5.409	5.354	5.298	5.241	5.183	5.125	5.066	5.005	4.944	4.882	4.819	4.755	4.690	4.624	4.558
-44.00 A	495560	501343	507180	513072	519019	525021	531080	537194	543365	549594	555879	562223	568625	575086	581607	588187
B	5.466	5.412	5.358	5.302	5.245	5.188	5.130	5.070	5.010	4.949	4.887	4.825	4.761	4.696	4.631	4.564
-43.75 A	494021	499796	505626	511510	517449	523444	529494	535601	541764	547985	554263	560599	566993	573447	579959	586532
B	5.469	5.416	5.361	5.306	5.250	5.192	5.134	5.075	5.015	4.955	4.893	4.830	4.767	4.702	4.637	4.571
-43.50 A	492485	498252	504074	509950	515881	521868	527911	534010	540166	546378	552648	558977	565363	571809	578314	584879
B	5.473	5.420	5.365	5.310	5.254	5.197	5.139	5.080	5.021	4.960	4.898	4.836	4.773	4.709	4.643	4.577
-43.25 A	490950	496710	502524	508392	514316	520295	526330	532421	538569	544774	551036	557357	563735	570173	576671	583228
B	5.476	5.423	5.369	5.314	5.258	5.201	5.144	5.085	5.026	4.965	4.904	4.842	4.779	4.715	4.650	4.584
-43.00 A	489418	495170	500976	506837	512752	518724	524751	530834	536974	543171	549426	555738	562110	568540	575029	581579
B	5.480	5.427	5.373	5.318	5.262	5.206	5.148	5.090	5.031	4.970	4.909	4.847	4.785	4.721	4.656	4.591
-42.75 A	487888	493632	499430	505283	511191	517154	523174	529249	535381	541571	547818	554123	560486	566908	573390	579932
B	5.483	5.430	5.377	5.322	5.267	5.210	5.153	5.095	5.036	4.976	4.915	4.853	4.790	4.727	4.662	4.597
-42.50 A	486360	492096	497887	503732	509632	515587	521599	527667	533791	539973	546212	552509	558864	565279	571753	578287
B	5.486	5.434	5.380	5.326	5.271	5.215	5.157	5.100	5.041	4.981	4.920	4.859	4.796	4.733	4.669	4.604
-42.25 A	484835	490563	496345	502182	508075	514023	520026	526086	532203	538376	544608	550897	557245	563651	570118	576644
B	5.490	5.437	5.384	5.330	5.275	5.219	5.162	5.104	5.046	4.986	4.926	4.864	4.802	4.739	4.675	4.610

TEMP DEG C	COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)		
	510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540		
-42.00 A	483311	489031	494806	500635	506520	512460	518456	524508	530616	536782	543006	549287	555627	562026	568485	575003		
-42.00 B	5.493	5.441	5.388	5.334	5.279	5.223	5.167	5.109	5.051	4.991	4.931	4.870	4.808	4.745	4.681	4.616		
-41.75 A	481790	487502	493269	499090	504967	510899	516887	522931	529032	535190	541406	547680	554012	560403	566854	573365		
-41.75 B	5.496	5.444	5.391	5.338	5.283	5.228	5.171	5.114	5.055	4.996	4.936	4.875	4.814	4.751	4.687	4.623		
-41.50 A	480270	485975	491734	497548	503416	509341	515321	521357	527450	533600	539808	546074	552398	558782	565225	571728		
-41.50 B	5.500	5.448	5.395	5.342	5.287	5.232	5.176	5.118	5.060	5.001	4.942	4.881	4.819	4.757	4.693	4.629		
-41.25 A	478753	484450	490201	496007	501868	507784	513756	519785	525870	532013	538213	544471	550787	557163	563598	570094		
-41.25 B	5.503	5.451	5.399	5.345	5.291	5.236	5.180	5.123	5.065	5.007	4.947	4.886	4.825	4.763	4.700	4.636		
-41.00 A	477238	482927	488670	494468	500321	506230	512194	518215	524292	530427	536619	542869	549178	555546	561973	568461		
-41.00 B	5.506	5.455	5.402	5.349	5.295	5.240	5.184	5.128	5.070	5.012	4.952	4.892	4.831	4.769	4.706	4.642		
-40.75 A	475725	481406	487142	492932	498777	504678	510634	516647	522717	528843	535028	541270	547571	553931	560351	566831		
-40.75 B	5.509	5.458	5.406	5.353	5.299	5.244	5.189	5.132	5.075	5.017	4.957	4.897	4.836	4.775	4.712	4.648		
-40.50 A	474214	479888	485615	491398	497235	503128	509076	515081	521143	527262	533438	539673	545966	552318	558730	565202		
-40.50 B	5.512	5.461	5.409	5.357	5.303	5.249	5.193	5.137	5.080	5.022	4.963	4.903	4.842	4.780	4.718	4.654		
-40.25 A	472706	478371	484091	489865	495695	501580	507521	513518	519572	525683	531851	538078	544363	550708	557112	563576		
-40.25 B	5.515	5.465	5.413	5.360	5.307	5.253	5.198	5.141	5.084	5.027	4.968	4.908	4.848	4.786	4.724	4.661		
-40.00 A	471200	476857	482569	488335	494157	500034	505967	511956	518002	524105	530266	536485	542762	549099	555495	561952		
-40.00 B	5.518	5.468	5.416	5.364	5.311	5.257	5.202	5.146	5.089	5.032	4.973	4.914	4.853	4.792	4.730	4.667		
-39.75 A	469695	475345	481049	486808	492621	498491	504416	510397	516435	522530	528683	534894	541164	547492	553881	560329		
-39.75 B	5.522	5.471	5.420	5.368	5.315	5.261	5.206	5.150	5.094	5.036	4.978	4.919	4.859	4.798	4.736	4.673		
-39.50 A	468193	473835	479531	485282	491088	496949	502866	508840	514870	520957	527102	533305	539567	545888	552269	558709		
-39.50 B	5.525	5.474	5.423	5.372	5.319	5.265	5.210	5.155	5.099	5.041	4.983	4.924	4.864	4.804	4.742	4.679		
-39.25 A	466693	472327	478015	483758	489556	495410	501319	507285	513307	519386	525523	531719	537973	544286	550658	557091		
-39.25 B	5.528	5.478	5.427	5.375	5.323	5.269	5.215	5.159	5.103	5.046	4.988	4.930	4.870	4.809	4.748	4.685		
-39.00 A	465196	470822	476502	482237	488027	493873	499774	505732	511746	517818	523947	530134	536380	542685	549050	555476		
-39.00 B	5.531	5.481	5.430	5.379	5.326	5.273	5.219	5.164	5.108	5.051	4.993	4.935	4.875	4.815	4.754	4.692		
-38.75 A	463700	469318	474991	480718	486500	492338	498231	504181	510187	516251	522372	528552	534790	541087	547444	553862		
-38.75 B	5.534	5.484	5.434	5.382	5.330	5.277	5.223	5.168	5.113	5.056	4.998	4.940	4.881	4.821	4.760	4.698		
-38.50 A	462207	467817	473481	479201	484975	490805	496690	502632	508631	514686	520800	526972	533202	539491	545840	552250		
-38.50 B	5.537	5.487	5.437	5.386	5.334	5.281	5.227	5.173	5.117	5.061	5.003	4.945	4.886	4.826	4.765	4.704		
-38.25 A	460715	466318	471974	477686	483452	489274	495152	501086	507076	513124	519230	525393	531616	537897	544239	550640		
-38.25 B	5.539	5.490	5.440	5.389	5.338	5.285	5.231	5.177	5.122	5.066	5.008	4.951	4.892	4.832	4.771	4.710		

TEMP DEG C		CORRECTION FACTOR FOR KILOGRAM PER CUBIC METRE DENSITY AT 15 DEGREES C															CORRECTION FACTOR FOR POUNDS PER CUBIC FOOT DENSITY AT 60 DEGREES F																	
		510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540	510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540	
-38.00	A	459226	464821	470470	476173	481931	487745	493615	499541	505524	511564	517661	523817	530032	536305	542639	549033	B	5.542	5.493	5.444	5.393	5.341	5.289	5.236	5.181	5.126	5.070	5.013	4.956	4.897	4.838	4.777	4.716
	B	5.542	5.493	5.444	5.393	5.341	5.289	5.236	5.181	5.126	5.070	5.013	4.956	4.897	4.838	4.777	4.716		5.542	5.493	5.444	5.393	5.341	5.289	5.236	5.181	5.126	5.070	5.013	4.956	4.897	4.838	4.777	4.716
-37.75	A	457740	463326	468967	474662	480413	486219	492081	497999	503974	510006	516095	522243	528450	534716	541041	547427	B	5.545	5.497	5.447	5.396	5.345	5.293	5.240	5.186	5.131	5.075	5.018	4.961	4.902	4.843	4.783	4.722
	B	5.545	5.497	5.447	5.396	5.345	5.293	5.240	5.186	5.131	5.075	5.018	4.961	4.902	4.843	4.783	4.722		5.545	5.497	5.447	5.396	5.345	5.293	5.240	5.186	5.131	5.075	5.018	4.961	4.902	4.843	4.783	4.722
-37.50	A	456255	461834	467466	473154	478897	484695	490549	496459	502426	508450	514532	520672	526870	533128	539446	545824	B	5.548	5.500	5.450	5.400	5.349	5.297	5.244	5.190	5.135	5.080	5.023	4.966	4.908	4.849	4.789	4.728
	B	5.548	5.500	5.450	5.400	5.349	5.297	5.244	5.190	5.135	5.080	5.023	4.966	4.908	4.849	4.789	4.728		5.548	5.500	5.450	5.400	5.349	5.297	5.244	5.190	5.135	5.080	5.023	4.966	4.908	4.849	4.789	4.728
-37.25	A	454772	460343	465968	471648	477382	483173	489019	494921	500880	506896	512970	519102	525293	531543	537852	544223	B	5.551	5.503	5.453	5.403	5.352	5.301	5.248	5.194	5.140	5.084	5.028	4.971	4.913	4.854	4.794	4.734
	B	5.551	5.503	5.453	5.403	5.352	5.301	5.248	5.194	5.140	5.084	5.028	4.971	4.913	4.854	4.794	4.734		5.551	5.503	5.453	5.403	5.352	5.301	5.248	5.194	5.140	5.084	5.028	4.971	4.913	4.854	4.794	4.734
-37.00	A	453292	458855	464472	470144	475870	481653	487491	493385	499336	505344	511410	517534	523717	529959	536261	542623	B	5.554	5.506	5.457	5.407	5.356	5.304	5.252	5.199	5.144	5.089	5.033	4.976	4.918	4.860	4.800	4.740
	B	5.554	5.506	5.457	5.407	5.356	5.304	5.252	5.199	5.144	5.089	5.033	4.976	4.918	4.860	4.800	4.740		5.554	5.506	5.457	5.407	5.356	5.304	5.252	5.199	5.144	5.089	5.033	4.976	4.918	4.860	4.800	4.740
-36.75	A	451814	457369	462978	468642	474361	480135	485965	491851	497794	503795	509853	515969	522144	528378	534672	541026	B	5.556	5.509	5.460	5.410	5.360	5.308	5.256	5.203	5.149	5.094	5.038	4.981	4.924	4.865	4.806	4.746
	B	5.556	5.509	5.460	5.410	5.360	5.308	5.256	5.203	5.149	5.094	5.038	4.981	4.924	4.865	4.806	4.746		5.556	5.509	5.460	5.410	5.360	5.308	5.256	5.203	5.149	5.094	5.038	4.981	4.924	4.865	4.806	4.746
-36.50	A	450338	455885	461486	467142	472853	478619	484441	490320	496255	502247	508297	514405	520572	526799	533085	539431	B	5.559	5.512	5.463	5.414	5.363	5.312	5.260	5.207	5.153	5.098	5.043	4.986	4.929	4.871	4.812	4.752
	B	5.559	5.512	5.463	5.414	5.363	5.312	5.260	5.207	5.153	5.098	5.043	4.986	4.929	4.871	4.812	4.752		5.559	5.512	5.463	5.414	5.363	5.312	5.260	5.207	5.153	5.098	5.043	4.986	4.929	4.871	4.812	4.752
-36.25	A	448864	454403	459997	465644	471347	477106	482920	488790	494718	500702	506744	512844	519003	525222	531500	537838	B	5.562	5.514	5.466	5.417	5.367	5.316	5.264	5.211	5.157	5.103	5.048	4.991	4.934	4.876	4.817	4.757
	B	5.562	5.514	5.466	5.417	5.367	5.316	5.264	5.211	5.157	5.103	5.048	4.991	4.934	4.876	4.817	4.757		5.562	5.514	5.466	5.417	5.367	5.316	5.264	5.211	5.157	5.103	5.048	4.991	4.934	4.876	4.817	4.757
-36.00	A	447393	452924	458509	464149	469844	475594	481401	487263	493182	499159	505193	511285	517436	523647	529917	536248	B	5.565	5.517	5.469	5.420	5.370	5.319	5.268	5.215	5.162	5.107	5.052	4.996	4.939	4.882	4.823	4.763
	B	5.565	5.517	5.469	5.420	5.370	5.319	5.268	5.215	5.162	5.107	5.052	4.996	4.939	4.882	4.823	4.763		5.565	5.517	5.469	5.420	5.370	5.319	5.268	5.215	5.162	5.107	5.052	4.996	4.939	4.882	4.823	4.763
-35.75	A	445923	451446	457024	462656	468343	474085	479884	485738	491649	497618	503644	509728	515871	522074	528336	534659	B	5.567	5.520	5.472	5.423	5.374	5.323	5.272	5.219	5.166	5.112	5.057	5.001	4.944	4.887	4.828	4.769
	B	5.567	5.520	5.472	5.423	5.374	5.323	5.272	5.219	5.166	5.112	5.057	5.001	4.944	4.887	4.828	4.769		5.567	5.520	5.472	5.423	5.374	5.323	5.272	5.219	5.166	5.112	5.057	5.001	4.944	4.887	4.828	4.769
-35.50	A	444456	449971	455541	461165	466844	472578	478369	484215	490118	496079	502097	508173	514309	520503	526758	533072	B	5.570	5.523	5.475	5.427	5.377	5.327	5.276	5.223	5.170	5.117	5.062	5.006	4.950	4.892	4.834	4.775
	B	5.570	5.523	5.475	5.427	5.377	5.327	5.276	5.223	5.170	5.117	5.062	5.006	4.950	4.892	4.834	4.775		5.570	5.523	5.475	5.427	5.377	5.327	5.276	5.223	5.170	5.117	5.062	5.006	4.950	4.892	4.834	4.775
-35.25	A	442991	448498	454060	459676	465347	471074	476856	482694	488590	494542	500552	506621	512748	518935	525181	531488	B	5.573	5.526	5.478	5.430	5.381	5.330	5.279	5.228	5.175	5.121	5.066	5.011	4.955	4.898	4.840	4.781
	B	5.573	5.526	5.478	5.430	5.381	5.330	5.279	5.228	5.175	5.121	5.066	5.011	4.955	4.898	4.840	4.781		5.573	5.526	5.478	5.430	5.381	5.330	5.279	5.228	5.175	5.121	5.066	5.011	4.955	4.898	4.840	4.781
-35.00	A	441528	447028	452581	458189	463852	469571	475345	481176	487063	493008	499010	505070	511190	517368	523607	529906	B	5.575	5.529	5.481	5.433	5.384	5.334	5.283	5.232	5.179	5.126	5.071	5.016	4.960	4.903	4.845	4.786
	B	5.575	5.529	5.481	5.433	5.384	5.334	5.283	5.232	5.179	5.126	5.071	5.016	4.960	4.903	4.845	4.786		5.575	5.529	5.481	5.433	5.384	5.334	5.283	5.232	5.179	5.126	5.071	5.016	4.960	4.903	4.845	4.786
-34.75	A	440068	445559	451105	456705	462360	468070	473837	479659	485539	491475	497469	503522	509633	515804	522034	528325	B	5.578	5.532	5.484	5.436	5.387	5.338	5.287	5.236	5.183	5.130	5.076	5.021	4.965	4.908	4.851	4.792
	B	5.578	5.532	5.484	5.436	5.387	5.338	5.287	5.236	5.183	5.130	5.076	5.021	4.965	4.908	4.851	4.792		5.578	5.532	5.484	5.436	5.387	5.338	5.287	5.236	5.183	5.130	5.076	5.021	4.965	4.908	4.851	4.792
-34.50	A	438609	444093	449630	455223	460870	466572	472331	478145	484016	489945	495931	501976	508079	514242	520464	526747	B	5.580	5.534	5.487	5.440	5.391	5.341	5.291	5.240	5.187	5.134	5.080	5.026	4.970	4.913	4.856	4.798
	B	5.580	5.534	5.487	5.440	5.391	5.341	5.291	5.240	5.187	5.134	5.080	5.026	4.970	4.913	4.856	4.798		5.580	5.534	5.487	5.440	5.391	5.341	5.291	5.240	5.187	5.134	5.080	5.026	4.970	4.913	4.856	4.798
-34.25	A	437153	442629	448158	453742	459382	465076	470826	476633	482496	488417	494395	500432	506527	512682	518896	525171	B	5.583	5.537	5.490	5.443	5.394	5.345	5.295	5.244	5.192	5.139	5.085	5.030	4.975	4.919	4.861	4.803
	B	5.583	5.537	5.490	5.443	5.394	5.345	5.295	5.244	5.192	5.139	5.085	5.030	4.975	4.919	4.861	4.803		5.583	5.537	5.490	5.443	5.394	5.345	5.295	5.244	5.192	5.139	5.085	5.030	4.975	4.919	4.861	4.803

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
		510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540	
-34.00	A	435699	441167	446688	452265	457896	463582	469325	475123	480978	486891	492861	498890	504977	511124	517330	523597	
	B	5.585	5.540	5.493	5.446	5.398	5.348	5.298	5.248	5.196	5.143	5.090	5.035	4.980	4.924	4.867	4.809	
-33.75	A	434248	439707	445221	450789	456412	462091	467825	473615	479463	485367	491329	497350	503429	509568	515766	522026	
	B	5.588	5.542	5.496	5.449	5.401	5.352	5.302	5.251	5.200	5.147	5.094	5.040	4.985	4.929	4.872	4.815	
-33.50	A	432798	438249	443755	449315	454930	460601	466327	472110	477949	483846	489800	495812	501883	508014	514205	520456	
	B	5.590	5.545	5.499	5.452	5.404	5.355	5.306	5.255	5.204	5.152	5.099	5.045	4.990	4.934	4.878	4.820	
-33.25	A	431351	436794	442292	447844	453451	459114	464832	470606	476438	482326	488272	494277	500340	506463	512645	518888	
	B	5.593	5.548	5.502	5.455	5.407	5.359	5.309	5.259	5.208	5.156	5.103	5.049	4.995	4.939	4.883	4.826	
-33.00	A	429906	435341	440831	446375	451974	457628	463339	469105	474928	480809	486747	492743	498799	504913	511088	517323	
	B	5.595	5.550	5.505	5.458	5.411	5.362	5.313	5.263	5.212	5.160	5.108	5.054	5.000	4.945	4.888	4.831	
-32.75	A	428463	433890	439372	444908	450499	456146	461848	467606	473421	479294	485224	491212	497259	503366	509532	515760	
	B	5.598	5.553	5.507	5.461	5.414	5.366	5.317	5.267	5.216	5.165	5.112	5.059	5.005	4.950	4.894	4.837	
-32.50	A	427022	432441	437915	443443	449026	454665	460359	466109	471916	477781	483703	489683	495722	501821	507979	514199	
	B	5.600	5.556	5.510	5.464	5.417	5.369	5.320	5.271	5.220	5.169	5.117	5.063	5.010	4.955	4.899	4.842	
-32.25	A	425583	430995	436461	441981	447556	453186	458872	464615	470414	476270	482184	488156	494187	500278	506428	512639	
	B	5.602	5.558	5.513	5.467	5.420	5.372	5.324	5.274	5.224	5.173	5.121	5.068	5.014	4.960	4.904	4.848	
-32.00	A	424147	429551	435008	440520	446087	451710	457388	463122	468913	474761	480667	486631	492655	498737	504879	511083	
	B	5.605	5.561	5.516	5.470	5.423	5.376	5.327	5.278	5.228	5.177	5.125	5.073	5.019	4.965	4.909	4.853	
-31.75	A	422713	428109	433558	439062	444621	450236	455906	461632	467415	473255	479153	485109	491124	497198	503333	509528	
	B	5.607	5.563	5.518	5.473	5.426	5.379	5.331	5.282	5.232	5.181	5.130	5.077	5.024	4.970	4.915	4.859	
-31.50	A	421281	426669	432110	437607	443157	448764	454426	460144	465919	471751	477640	483589	489595	495662	501788	507975	
	B	5.609	5.566	5.521	5.476	5.429	5.382	5.334	5.286	5.236	5.185	5.134	5.082	5.029	4.975	4.920	4.864	
-31.25	A	419852	425231	430665	436153	441696	447294	452948	458658	464425	470249	476130	482070	488069	494127	500246	506425	
	B	5.611	5.568	5.524	5.479	5.433	5.386	5.338	5.289	5.240	5.190	5.138	5.086	5.033	4.980	4.925	4.870	
-31.00	A	418424	423796	429221	434701	440236	445826	451472	457174	462933	468749	474622	480554	486545	492595	498705	504876	
	B	5.614	5.570	5.526	5.481	5.436	5.389	5.341	5.293	5.244	5.194	5.143	5.091	5.038	4.985	4.930	4.875	
-30.75	A	416999	422363	427780	433252	438779	444361	449999	455693	461443	467251	473116	479040	485023	491065	497167	503330	
	B	5.616	5.573	5.529	5.484	5.439	5.392	5.345	5.297	5.248	5.198	5.147	5.095	5.043	4.989	4.935	4.880	
-30.50	A	415577	420932	426341	431805	437324	442898	448527	454213	459956	465755	471613	477529	483503	489537	495631	501786	
	B	5.618	5.575	5.531	5.487	5.442	5.395	5.348	5.300	5.251	5.202	5.151	5.100	5.047	4.994	4.940	4.886	
-30.25	A	414156	419503	424905	430360	435871	441437	447058	452736	458470	464262	470111	476019	481986	488011	494097	500244	
	B	5.620	5.577	5.534	5.490	5.445	5.398	5.352	5.304	5.255	5.206	5.155	5.104	5.052	4.999	4.945	4.891	

COMPRESSION FACTOR PER KILOPASCAL
 DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE
 $F = 1 / (A + B \cdot P^D)$

TEMP DEG C	510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540
-30.00 A	412737	418077	423470	428918	434420	439978	445591	451261	456987	462771	468612	474512	480470	486488	492566	498704
B	5.622	5.580	5.537	5.492	5.447	5.402	5.355	5.307	5.259	5.210	5.160	5.109	5.057	5.004	4.950	4.896
-29.75 A	411321	416653	422038	427477	432972	438521	444127	449788	455507	461282	467115	473006	478957	484966	491036	497167
B	5.624	5.582	5.539	5.495	5.450	5.405	5.358	5.311	5.263	5.214	5.164	5.113	5.061	5.009	4.955	4.901
-29.50 A	409907	415231	420608	426039	431526	437067	442664	448318	454028	459795	465620	471503	477446	483447	489509	495631
B	5.626	5.584	5.542	5.498	5.453	5.408	5.362	5.314	5.266	5.218	5.168	5.117	5.066	5.014	4.960	4.906
-29.25 A	408496	413811	419180	424603	430082	435615	441204	446849	452551	458311	464127	470003	475937	481930	487984	494098
B	5.628	5.587	5.544	5.500	5.456	5.411	5.365	5.318	5.270	5.221	5.172	5.122	5.070	5.018	4.965	4.912
-29.00 A	407086	412393	417754	423170	428640	434165	439746	445383	451077	456828	462637	468504	474430	480415	486461	492567
B	5.630	5.589	5.546	5.503	5.459	5.414	5.368	5.321	5.274	5.225	5.176	5.126	5.075	5.023	4.970	4.917
-28.75 A	405679	410978	416331	421738	427200	432718	438290	443919	449605	455348	461149	467007	472925	478902	484940	491038
B	5.632	5.591	5.549	5.506	5.462	5.417	5.371	5.325	5.277	5.229	5.180	5.130	5.079	5.028	4.975	4.922
-28.50 A	404274	409565	414910	420309	425763	431272	436837	442458	448135	453870	459662	465513	471423	477392	483421	489511
B	5.634	5.593	5.551	5.508	5.465	5.420	5.374	5.328	5.281	5.233	5.184	5.134	5.084	5.032	4.980	4.927
-28.25 A	402872	408154	413491	418882	424328	429829	435386	440998	446668	452394	458178	464021	469922	475883	481904	487986
B	5.636	5.595	5.554	5.511	5.467	5.423	5.378	5.332	5.285	5.237	5.188	5.139	5.088	5.037	4.985	4.932
-28.00 A	401471	406746	412075	417457	422895	428388	433936	439541	445202	450921	456697	462531	468424	474377	480390	486464
B	5.638	5.598	5.556	5.513	5.470	5.426	5.381	5.335	5.288	5.241	5.192	5.143	5.093	5.042	4.990	4.937
-27.75 A	400073	405340	410660	416035	421465	426949	432489	438086	443739	449449	455217	461043	466928	472873	478878	484943
B	5.640	5.600	5.558	5.516	5.473	5.429	5.384	5.338	5.292	5.244	5.196	5.147	5.097	5.046	4.995	4.942
-27.50 A	398677	403936	409248	414615	420036	425513	431045	436633	442278	447980	453740	459558	465435	471371	477368	483425
B	5.642	5.602	5.560	5.518	5.475	5.432	5.387	5.342	5.295	5.248	5.200	5.151	5.101	5.051	4.999	4.947
-27.25 A	397283	402534	407838	413197	418610	424078	429602	435182	440819	446513	452265	458074	463943	469871	475860	481909
B	5.644	5.604	5.563	5.521	5.478	5.435	5.390	5.345	5.299	5.252	5.204	5.155	5.106	5.055	5.004	4.952
-27.00 A	395892	401134	406431	411781	417186	422646	428162	433734	439363	445048	450792	456593	462454	468374	474354	480395
B	5.646	5.606	5.565	5.523	5.481	5.437	5.393	5.348	5.302	5.255	5.208	5.159	5.110	5.060	5.009	4.957
-26.75 A	394503	399737	405025	410368	415764	421217	426724	432288	437908	443586	449321	455114	460967	466879	472851	478883
B	5.648	5.608	5.567	5.526	5.483	5.440	5.396	5.351	5.306	5.259	5.212	5.164	5.114	5.064	5.014	4.962
-26.50 A	393116	398342	403622	408956	414345	419789	425288	430844	436456	442125	447852	453638	459482	465385	471349	477374
B	5.649	5.610	5.569	5.528	5.486	5.443	5.399	5.355	5.309	5.263	5.216	5.168	5.119	5.069	5.018	4.967
-26.25 A	391731	396949	402221	407547	412928	418364	423855	429402	435006	440667	446386	452163	457999	463894	469850	475866
B	5.651	5.612	5.571	5.530	5.489	5.446	5.402	5.358	5.313	5.266	5.219	5.172	5.123	5.073	5.023	4.972

		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)		
TEMP DEG C		510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540		
-26.00	A	390349	395559	400823	406141	411513	416941	422424	427963	433558	439211	444922	450691	456518	462406	468353	474361		
	B	5.653	5.614	5.574	5.533	5.491	5.449	5.405	5.361	5.316	5.270	5.223	5.176	5.127	5.078	5.028	4.977		
-25.75	A	389969	394171	399426	404736	410100	415520	420995	426525	432113	437758	443460	449221	455040	460919	466858	472858		
	B	5.654	5.616	5.576	5.535	5.494	5.451	5.408	5.364	5.319	5.274	5.227	5.180	5.131	5.082	5.032	4.982		
-25.50	A	387591	392785	398032	403334	408690	414101	419568	425090	430670	436306	442000	447753	453564	459435	465366	471357		
	B	5.656	5.617	5.578	5.537	5.496	5.454	5.411	5.367	5.323	5.277	5.231	5.184	5.136	5.087	5.037	4.986		
-25.25	A	386216	391401	396640	401934	407282	412685	418143	423658	429229	434857	440543	446287	452090	457952	463875	469859		
	B	5.658	5.619	5.580	5.540	5.499	5.457	5.414	5.370	5.326	5.281	5.234	5.187	5.140	5.091	5.042	4.991		
-25.00	A	384842	390020	395251	400536	405876	411271	416721	422227	427790	433410	439087	444823	450618	456472	462387	468362		
	B	5.659	5.621	5.582	5.542	5.501	5.459	5.417	5.373	5.329	5.284	5.238	5.191	5.144	5.095	5.046	4.996		
-24.75	A	383471	388641	393864	399141	404472	409859	415301	420799	426353	431965	437634	443362	449149	454995	460901	466868		
	B	5.661	5.623	5.584	5.544	5.503	5.462	5.420	5.376	5.332	5.288	5.242	5.195	5.148	5.100	5.051	5.001		
-24.50	A	382103	387264	392479	397747	403071	408449	413883	419373	424919	430523	436184	441903	447681	453519	459417	465376		
	B	5.663	5.625	5.586	5.546	5.506	5.465	5.422	5.379	5.336	5.291	5.245	5.199	5.152	5.104	5.055	5.005		
-24.25	A	380736	385889	391096	396357	401672	407042	412467	417949	423487	429082	434735	440446	446216	452046	457935	463886		
	B	5.664	5.626	5.588	5.548	5.508	5.467	5.425	5.382	5.339	5.294	5.249	5.203	5.156	5.108	5.060	5.010		
-24.00	A	379372	384517	389715	394968	400275	405637	411054	416527	422057	427644	433289	438991	444753	450574	456456	462398		
	B	5.666	5.628	5.590	5.551	5.511	5.470	5.428	5.385	5.342	5.298	5.253	5.207	5.160	5.112	5.064	5.015		
-23.75	A	378010	383147	388337	393582	398880	404234	409643	415108	420630	426208	431844	437539	443292	449105	454979	460913		
	B	5.667	5.630	5.592	5.553	5.513	5.472	5.431	5.388	5.345	5.301	5.256	5.211	5.164	5.117	5.068	5.019		
-23.50	A	376651	381779	386961	392197	397488	402833	408234	413691	419204	424775	430403	436089	441834	447639	453503	459429		
	B	5.669	5.632	5.594	5.555	5.515	5.475	5.433	5.391	5.348	5.304	5.260	5.214	5.168	5.121	5.073	5.024		
-23.25	A	375294	380414	385588	390816	396098	401435	406828	412276	417781	423343	428963	434641	440378	446174	452031	457948		
	B	5.670	5.633	5.595	5.557	5.517	5.477	5.436	5.394	5.351	5.308	5.263	5.218	5.172	5.125	5.077	5.029		
-23.00	A	373939	379051	384216	389436	394710	400039	405423	410863	416360	421914	427525	433195	438924	444712	450560	456469		
	B	5.672	5.635	5.597	5.559	5.520	5.480	5.439	5.397	5.354	5.311	5.267	5.222	5.176	5.129	5.082	5.033		
-22.75	A	372586	377690	382847	388059	393324	398645	404021	409453	414942	420487	426090	431752	437472	443251	449091	454992		
	B	5.673	5.636	5.599	5.561	5.522	5.482	5.441	5.400	5.358	5.314	5.270	5.225	5.180	5.133	5.086	5.038		
-22.50	A	371236	376331	381481	386684	391941	397254	402621	408045	413525	419062	424657	430310	436022	441793	447625	453518		
	B	5.674	5.638	5.601	5.563	5.524	5.485	5.444	5.403	5.361	5.318	5.274	5.229	5.184	5.137	5.090	5.042		
-22.25	A	369888	374975	380116	385311	390560	395864	401224	406639	412111	417640	423226	428871	434575	440338	446161	452045		
	B	5.676	5.640	5.603	5.565	5.526	5.487	5.447	5.406	5.364	5.321	5.277	5.233	5.188	5.141	5.094	5.047		

TEMP DEG C		DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															
		510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540
-22.00	A	368542	373621	378754	383941	389182	394477	399829	405236	410699	416220	421798	427434	433129	438884	444699	450575
	B	5.677	5.641	5.604	5.567	5.528	5.489	5.449	5.408	5.367	5.324	5.281	5.236	5.191	5.145	5.099	5.051
-21.75	A	367198	372269	377394	382572	387805	393093	398436	403834	409290	414802	420372	426000	431687	437433	443240	449107
	B	5.678	5.643	5.606	5.569	5.531	5.492	5.452	5.411	5.370	5.327	5.284	5.240	5.195	5.149	5.103	5.056
-21.50	A	365857	370920	376036	381207	386431	391710	397045	402435	407882	413386	418948	424567	430246	435984	441782	447641
	B	5.680	5.644	5.608	5.571	5.533	5.494	5.454	5.414	5.372	5.330	5.287	5.244	5.199	5.153	5.107	5.060
-21.25	A	364518	369573	374681	379843	385059	390330	395656	401039	406477	411973	417526	423137	428807	434537	440327	446178
	B	5.681	5.646	5.610	5.573	5.535	5.496	5.457	5.416	5.375	5.333	5.291	5.247	5.203	5.157	5.111	5.064
-21.00	A	363182	368228	373328	378482	383690	388952	394270	399644	405074	410562	416106	421709	427371	433092	438874	444716
	B	5.682	5.647	5.611	5.574	5.537	5.498	5.459	5.419	5.378	5.337	5.294	5.251	5.206	5.161	5.116	5.069
-20.75	A	361847	366886	371977	377123	382322	387577	392886	398252	403674	409153	414689	420284	425937	431650	437423	443257
	B	5.683	5.649	5.613	5.576	5.539	5.501	5.462	5.422	5.381	5.340	5.297	5.254	5.210	5.165	5.120	5.073
-20.50	A	360516	365546	370629	375766	380957	386203	391505	396862	402275	407746	413274	418860	424505	430210	435975	441800
	B	5.685	5.650	5.614	5.578	5.541	5.503	5.464	5.424	5.384	5.343	5.301	5.258	5.214	5.169	5.124	5.077
-20.25	A	359186	364208	369283	374412	379595	384832	390125	395474	400879	406341	411861	417439	423076	428772	434528	440346
	B	5.686	5.651	5.616	5.580	5.543	5.505	5.466	5.427	5.387	5.346	5.304	5.261	5.217	5.173	5.128	5.082
-20.00	A	357859	362872	367939	373060	378234	383464	388748	394089	399486	404939	410451	416020	421648	427336	433084	438893
	B	5.687	5.653	5.618	5.582	5.545	5.507	5.469	5.430	5.390	5.349	5.307	5.264	5.221	5.177	5.132	5.086
-19.75	A	356534	361539	366598	371710	376876	382097	387374	392706	398094	403539	409042	414603	420223	425903	431642	437443
	B	5.688	5.654	5.619	5.583	5.547	5.509	5.471	5.432	5.392	5.352	5.310	5.268	5.225	5.181	5.136	5.090
-19.50	A	355211	360208	365258	370362	375520	380733	386001	391325	396705	402142	407636	413189	418800	424471	430203	435995
	B	5.689	5.655	5.621	5.585	5.549	5.512	5.474	5.435	5.395	5.355	5.313	5.271	5.228	5.185	5.140	5.095
-19.25	A	353891	358879	363921	369017	374167	379371	384631	389946	395318	400746	406233	411777	417380	423042	428765	434549
	B	5.690	5.656	5.622	5.587	5.551	5.514	5.476	5.437	5.398	5.358	5.316	5.275	5.232	5.188	5.144	5.099
-19.00	A	352573	357553	362587	367674	372816	378012	383263	388570	393933	399353	404831	410367	415961	421616	427330	433105
	B	5.691	5.658	5.623	5.588	5.552	5.516	5.478	5.440	5.400	5.360	5.320	5.278	5.235	5.192	5.148	5.103
-18.75	A	351257	356229	361255	366334	371467	376654	381897	387196	392551	397963	403432	408959	414545	420191	425897	431664
	B	5.692	5.659	5.625	5.590	5.554	5.518	5.480	5.442	5.403	5.363	5.323	5.281	5.239	5.196	5.152	5.107
-18.50	A	349944	354908	359925	364995	370120	375300	380534	385824	391171	396574	402035	407554	413132	418769	424466	430225
	B	5.693	5.660	5.626	5.592	5.556	5.520	5.483	5.445	5.406	5.366	5.326	5.284	5.242	5.199	5.156	5.111
-18.25	A	348633	353588	358597	363659	368776	373947	379173	384455	389793	395188	400640	406151	411720	417349	423038	428788
	B	5.694	5.661	5.628	5.593	5.558	5.522	5.485	5.447	5.408	5.369	5.329	5.288	5.246	5.203	5.160	5.115

COMPRESSION FACTOR PER KILOGRAM PER CUBIC METRE
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE
F=1/(A+DP*B)

TEMP DEG C	510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540
-18.00 A	347324	352271	357272	362326	367434	372596	377814	383088	388417	393804	399248	404750	410311	415931	421612	427353
B	5.695	5.662	5.629	5.595	5.560	5.524	5.487	5.449	5.411	5.372	5.332	5.291	5.249	5.207	5.163	5.119
-17.75 A	346017	350957	355949	360994	366094	371248	376458	381723	387044	392422	397858	403351	408904	414515	420188	425921
B	5.696	5.664	5.630	5.596	5.561	5.526	5.489	5.452	5.414	5.375	5.335	5.294	5.253	5.210	5.167	5.123
-17.50 A	344713	349644	354628	359665	364757	369903	375104	380360	385673	391043	396470	401955	407499	413102	418766	424490
B	5.697	5.665	5.632	5.598	5.563	5.528	5.491	5.454	5.416	5.377	5.338	5.297	5.256	5.214	5.171	5.127
-17.25 A	343412	348334	353310	358339	363422	368559	373752	379000	384304	389665	395084	400561	406096	411691	417346	423062
B	5.698	5.666	5.633	5.599	5.565	5.529	5.493	5.456	5.419	5.380	5.341	5.300	5.259	5.218	5.175	5.131
-17.00 A	342112	347027	351994	357014	362089	367218	372402	377642	382938	388291	393701	399169	404696	410282	415929	421637
B	5.699	5.667	5.634	5.601	5.566	5.531	5.495	5.459	5.421	5.383	5.344	5.304	5.263	5.221	5.179	5.135
-16.75 A	340815	345721	350680	355692	360759	365879	371055	376286	381574	386918	392320	397779	403298	408876	414514	420213
B	5.699	5.668	5.635	5.602	5.568	5.533	5.497	5.461	5.424	5.385	5.346	5.307	5.266	5.225	5.182	5.139
-16.50 A	339521	344418	349369	354373	359431	364543	369710	374933	380212	385548	390941	396392	401902	407471	413101	418792
B	5.700	5.669	5.637	5.604	5.570	5.535	5.499	5.463	5.426	5.388	5.349	5.310	5.269	5.228	5.186	5.143
-16.25 A	338228	343118	348060	353055	358105	363209	368367	373582	378852	384180	389564	395007	400508	406069	411691	417373
B	5.701	5.670	5.638	5.605	5.571	5.537	5.501	5.465	5.428	5.391	5.352	5.313	5.273	5.232	5.190	5.147
-16.00 A	336938	341819	346753	351740	356781	361877	367027	372233	377495	382814	388190	393624	399117	404670	410282	415956
B	5.702	5.671	5.639	5.606	5.573	5.539	5.503	5.468	5.431	5.393	5.355	5.316	5.276	5.235	5.194	5.151
-15.75 A	335651	340523	345449	350428	355460	360547	365689	370887	376140	381450	386818	392244	397728	403272	408876	414541
B	5.703	5.672	5.640	5.608	5.574	5.540	5.505	5.470	5.433	5.396	5.358	5.319	5.279	5.239	5.197	5.155
-15.50 A	334365	339230	344147	349117	354141	359220	364353	369542	374788	380089	385448	390866	396342	401877	407472	413129
B	5.703	5.673	5.641	5.609	5.576	5.542	5.507	5.472	5.436	5.398	5.361	5.322	5.282	5.242	5.201	5.159
-15.25 A	333082	337938	342847	347809	352825	357895	363020	368201	373437	378730	384081	389490	394957	400484	406071	411719
B	5.704	5.673	5.642	5.610	5.577	5.544	5.509	5.474	5.438	5.401	5.363	5.325	5.285	5.245	5.204	5.163
-15.00 A	331802	336649	341550	346503	351511	356572	361689	366861	372089	377374	382716	388116	393575	399093	404672	410311
B	5.705	5.674	5.643	5.611	5.579	5.545	5.511	5.476	5.440	5.404	5.366	5.328	5.289	5.249	5.208	5.166
-14.75 A	330524	335363	340255	345200	350199	355252	360360	365524	370743	376020	381353	386745	392195	397705	403275	408906
B	5.705	5.675	5.644	5.613	5.580	5.547	5.513	5.478	5.442	5.406	5.369	5.331	5.292	5.252	5.212	5.170
-14.50 A	329248	334079	338962	343899	348890	353934	359034	364189	369400	374668	379993	385376	390818	396319	401880	407502
B	5.706	5.676	5.645	5.614	5.582	5.549	5.515	5.480	5.445	5.408	5.371	5.334	5.295	5.255	5.215	5.174
-14.25 A	327974	332797	337672	342600	347582	352619	357710	362856	368059	373318	378635	384009	389442	394935	400487	406101
B	5.706	5.677	5.646	5.615	5.583	5.550	5.517	5.482	5.447	5.411	5.374	5.336	5.298	5.259	5.219	5.178

TEMP DEG C	COMPRESSION FACTOR PER KILOGRAM PER DENSITY AT 15 DEGREES C										F = 1/(A(T-15)) CUBIC METRE									
	510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540				
-14.00 A	326703	331517	336384	341304	346278	351305	356388	361526	366720	371971	377279	382645	388069	393553	399097	404702				
-14.00 B	5.707	5.677	5.647	5.616	5.584	5.552	5.518	5.484	5.449	5.413	5.377	5.339	5.301	5.262	5.222	5.181				
-13.75 A	325434	330240	335098	340010	344975	349995	355069	360198	365384	370626	375925	381282	386698	392174	397709	403306				
-13.75 B	5.707	5.678	5.648	5.617	5.586	5.553	5.520	5.486	5.451	5.416	5.379	5.342	5.304	5.265	5.225	5.185				
-13.50 A	324168	328965	333815	338718	343675	348686	353752	358873	364049	369283	374574	379923	385330	390797	396324	401912				
-13.50 B	5.708	5.679	5.649	5.619	5.587	5.555	5.522	5.488	5.454	5.418	5.382	5.345	5.307	5.268	5.229	5.189				
-13.25 A	322904	327693	332534	337429	342377	347380	352437	357549	362718	367943	373225	378565	383964	389422	394940	400520				
-13.25 B	5.708	5.680	5.650	5.620	5.588	5.556	5.524	5.490	5.456	5.420	5.384	5.348	5.310	5.272	5.232	5.192				
-13.00 A	321642	326423	331256	336142	341082	346076	351124	356228	361388	366605	371878	377210	382600	388049	393559	399130				
-13.00 B	5.709	5.680	5.651	5.621	5.590	5.558	5.525	5.492	5.458	5.423	5.387	5.350	5.313	5.275	5.236	5.196				
-12.75 A	320383	325155	329980	334858	339789	344774	349814	354910	360061	365269	370534	375857	381238	386679	392180	397742				
-12.75 B	5.709	5.681	5.652	5.622	5.591	5.559	5.527	5.494	5.460	5.425	5.389	5.353	5.316	5.278	5.239	5.199				
-12.50 A	319126	323890	328706	333575	338498	343475	348507	353593	358736	363935	369192	374506	379879	385311	390804	396357				
-12.50 B	5.710	5.682	5.653	5.623	5.592	5.561	5.529	5.496	5.462	5.427	5.392	5.356	5.319	5.281	5.242	5.203				
-12.25 A	317871	322627	327435	332295	337210	342178	347201	352279	357413	362604	367852	373158	378522	383946	389429	394974				
-12.25 B	5.710	5.682	5.653	5.624	5.593	5.562	5.530	5.497	5.464	5.430	5.394	5.358	5.322	5.284	5.246	5.206				
-12.00 A	316619	321366	326166	331018	335924	340884	345898	350968	356093	361275	366515	371812	377167	382582	388057	393594				
-12.00 B	5.710	5.683	5.654	5.625	5.595	5.564	5.532	5.499	5.466	5.432	5.397	5.361	5.324	5.287	5.249	5.210				
-11.75 A	315369	320108	324899	329743	334640	339591	344597	349658	354775	359949	365179	370468	375815	381221	386688	392215				
-11.75 B	5.711	5.683	5.655	5.626	5.596	5.565	5.533	5.501	5.468	5.434	5.399	5.364	5.327	5.290	5.252	5.213				
-11.50 A	314122	318852	323635	328470	333359	338302	343299	348351	353460	358625	363847	369126	374465	379862	385320	390839				
-11.50 B	5.711	5.684	5.656	5.627	5.597	5.566	5.535	5.503	5.470	5.436	5.402	5.366	5.330	5.293	5.255	5.217				
-11.25 A	312877	317599	322373	327200	332080	337014	342003	347047	352147	357303	362516	367787	373117	378506	383955	389465				
-11.25 B	5.711	5.684	5.656	5.628	5.598	5.568	5.536	5.505	5.472	5.438	5.404	5.369	5.333	5.296	5.259	5.220				
-11.00 A	311634	316347	321113	325931	330803	335729	340709	345745	350836	355983	361188	366450	371771	377152	382592	388094				
-11.00 B	5.712	5.685	5.657	5.628	5.599	5.569	5.538	5.506	5.474	5.440	5.406	5.371	5.336	5.299	5.262	5.224				
-10.75 A	310394	315099	319856	324666	329529	334446	339418	344445	349527	354666	359862	365116	370428	375800	381232	386724				
-10.75 B	5.712	5.685	5.658	5.629	5.600	5.570	5.539	5.508	5.476	5.442	5.409	5.374	5.338	5.302	5.265	5.227				
-10.50 A	309156	313852	318601	323402	328257	333166	338129	343147	348221	353351	358539	363784	369087	374450	379873	385357				
-10.50 B	5.712	5.686	5.658	5.630	5.601	5.571	5.541	5.510	5.477	5.445	5.411	5.376	5.341	5.305	5.268	5.230				
-10.25 A	307921	312609	317349	322142	326988	331888	336842	341852	346917	352039	357217	362454	367749	373103	378517	383993				
-10.25 B	5.712	5.686	5.659	5.631	5.602	5.573	5.542	5.511	5.479	5.447	5.413	5.379	5.344	5.308	5.271	5.234				

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540	
-10.00 A	306688	311367	316099	320883	325721	330612	335558	340559	345615	350728	355898	361126	366413	371758	377164	382630	
B	5.712	5.686	5.659	5.632	5.603	5.574	5.544	5.513	5.481	5.449	5.415	5.381	5.346	5.311	5.274	5.237	
-9.75 A	305457	310128	314851	319627	324456	329339	334276	339268	344316	349421	354582	359801	365079	370415	375812	381270	
B	5.713	5.687	5.660	5.632	5.604	5.575	5.545	5.514	5.483	5.451	5.418	5.384	5.349	5.314	5.277	5.240	
-9.50 A	304229	308891	313606	318373	323194	328068	332996	337980	343019	348115	353268	358478	363747	369075	374463	379912	
B	5.713	5.687	5.660	5.633	5.605	5.576	5.546	5.516	5.485	5.453	5.420	5.386	5.352	5.316	5.280	5.244	
-9.25 A	303003	307657	312363	317122	321934	326799	331719	336694	341725	346812	351956	357157	362418	367737	373116	378557	
B	5.713	5.687	5.661	5.634	5.606	5.577	5.548	5.517	5.486	5.455	5.422	5.388	5.354	5.319	5.283	5.247	
-9.00 A	301779	306425	311122	315873	320676	325533	330444	335411	340433	345511	350646	355839	361091	366401	371772	377203	
B	5.713	5.687	5.661	5.634	5.607	5.578	5.549	5.519	5.488	5.456	5.424	5.391	5.357	5.322	5.286	5.250	
-8.75 A	300558	305195	309884	314626	319421	324269	329172	334130	339143	344212	349339	354523	359766	365068	370430	375853	
B	5.713	5.688	5.662	5.635	5.608	5.579	5.550	5.520	5.490	5.458	5.426	5.393	5.359	5.325	5.289	5.253	
-8.50 A	299339	303968	308649	313382	318168	323008	327902	332851	337855	342916	348034	353210	358444	363737	369090	374504	
B	5.713	5.688	5.662	5.636	5.608	5.580	5.552	5.522	5.491	5.460	5.428	5.395	5.362	5.327	5.292	5.256	
-8.25 A	298123	302743	307415	312140	316917	321749	326634	331574	336570	341623	346732	351898	357123	362408	367752	373158	
B	5.713	5.688	5.663	5.636	5.609	5.581	5.553	5.523	5.493	5.462	5.430	5.398	5.364	5.330	5.295	5.259	
-8.00 A	296909	301521	306184	310900	315669	320492	325369	330300	335288	340331	345431	350589	355806	361081	366417	371813	
B	5.713	5.688	5.663	5.637	5.610	5.582	5.554	5.525	5.495	5.464	5.432	5.400	5.367	5.333	5.298	5.262	
-7.75 A	295698	300301	304956	309663	314424	319238	324106	329029	334007	339042	344134	349283	354490	359757	365084	370472	
B	5.713	5.688	5.663	5.637	5.611	5.583	5.555	5.526	5.496	5.466	5.434	5.402	5.369	5.335	5.301	5.266	
-7.50 A	294489	299083	303730	308428	313180	317986	322845	327759	332729	337755	342838	347978	353177	358435	363753	369132	
B	5.713	5.689	5.664	5.638	5.612	5.584	5.556	5.527	5.498	5.467	5.436	5.404	5.372	5.338	5.304	5.269	
-7.25 A	293282	297868	302506	307196	311939	316736	321587	326492	331454	336471	341545	346677	351867	357116	362425	367795	
B	5.713	5.689	5.664	5.639	5.612	5.585	5.557	5.529	5.499	5.469	5.438	5.406	5.374	5.341	5.307	5.272	
-7.00 A	292078	296655	301285	305966	310701	315489	320331	325228	330180	335189	340254	345377	350558	355799	361099	366460	
B	5.712	5.689	5.664	5.639	5.613	5.586	5.559	5.530	5.501	5.471	5.440	5.409	5.376	5.343	5.309	5.275	
-6.75 A	290876	295445	300066	304739	309465	314244	319078	323966	328909	333909	338966	344080	349252	354484	359775	365128	
B	5.712	5.689	5.665	5.639	5.614	5.587	5.560	5.531	5.502	5.473	5.442	5.411	5.379	5.346	5.312	5.278	
-6.50 A	289677	294237	298849	303514	308231	313002	317826	322706	327641	332632	337679	342785	347948	353171	358454	363797	
B	5.712	5.689	5.665	5.640	5.614	5.588	5.561	5.533	5.504	5.474	5.444	5.413	5.381	5.348	5.315	5.281	
-6.25 A	288480	293032	297635	302291	307000	311762	316578	321448	326375	331357	336396	341492	346647	351861	357135	362470	
B	5.712	5.689	5.665	5.640	5.615	5.589	5.562	5.534	5.505	5.476	5.446	5.415	5.383	5.351	5.318	5.283	

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C															F=1/(A+DP*B) CUBIC METRE		
		510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540		
-6.00	A	287285	291828	296423	301071	305771	310524	315331	320193	325111	330084	335114	340202	345348	350553	355818	361144		
	B	5.712	5.689	5.665	5.641	5.615	5.589	5.563	5.535	5.507	5.478	5.448	5.417	5.386	5.353	5.320	5.286		
-5.75	A	286093	290628	295214	299853	304544	309289	314087	318941	323849	328814	333835	338914	344051	349248	354504	359821		
	B	5.711	5.689	5.665	5.641	5.616	5.590	5.564	5.536	5.508	5.479	5.450	5.419	5.388	5.356	5.323	5.289		
-5.50	A	284903	289430	294007	298637	303320	308056	312846	317690	322590	327546	332559	337629	342757	347944	353192	358500		
	B	5.711	5.689	5.665	5.641	5.617	5.591	5.565	5.537	5.510	5.481	5.451	5.421	5.390	5.358	5.326	5.292		
-5.25	A	283716	288234	292803	297424	302098	306826	311607	316443	321334	326281	331284	336346	341465	346643	351882	357181		
	B	5.711	5.689	5.666	5.642	5.617	5.592	5.566	5.539	5.511	5.482	5.453	5.423	5.392	5.361	5.328	5.295		
-5.00	A	282531	287040	291601	296214	300879	305597	310370	315197	320079	325017	330012	335065	340175	345345	350574	355865		
	B	5.711	5.688	5.666	5.642	5.618	5.592	5.566	5.540	5.512	5.484	5.455	5.425	5.394	5.363	5.331	5.298		
-4.75	A	281349	285849	290401	295005	299662	304372	309136	313954	318827	323757	328743	333786	338888	344049	349269	354551		
	B	5.710	5.688	5.666	5.642	5.618	5.593	5.567	5.541	5.513	5.485	5.457	5.427	5.396	5.365	5.333	5.301		
-4.50	A	280169	284661	289204	293800	298447	303149	307904	312713	317578	322498	327476	332510	337603	342755	347967	353239		
	B	5.710	5.688	5.666	5.642	5.618	5.594	5.568	5.542	5.515	5.487	5.458	5.429	5.399	5.368	5.336	5.303		
-4.25	A	278991	283475	288009	292596	297235	301928	306674	311475	316331	321242	326211	331236	336320	341463	346666	351930		
	B	5.709	5.688	5.666	5.643	5.619	5.594	5.569	5.543	5.516	5.488	5.460	5.431	5.401	5.370	5.338	5.306		
-4.00	A	277816	282291	286817	291395	296026	300709	305447	310239	315086	319989	324948	329965	335040	340174	345368	350623		
	B	5.709	5.688	5.666	5.643	5.619	5.595	5.570	5.544	5.517	5.490	5.462	5.433	5.403	5.372	5.341	5.309		
-3.75	A	276644	281110	285627	290197	294818	299493	304222	309005	313843	318737	323688	328696	333762	338887	344072	349318		
	B	5.709	5.687	5.666	5.643	5.620	5.596	5.571	5.545	5.518	5.491	5.463	5.434	5.405	5.374	5.343	5.311		
-3.50	A	275473	279931	284440	289000	293614	298280	303000	307774	312603	317489	322430	327429	332487	337603	342779	348016		
	B	5.708	5.687	5.666	5.643	5.620	5.596	5.571	5.546	5.520	5.493	5.465	5.436	5.407	5.377	5.346	5.314		
-3.25	A	274306	278755	283255	287807	292411	297069	301780	306545	311366	316242	321175	326165	331214	336321	341488	346716		
	B	5.708	5.687	5.665	5.643	5.620	5.597	5.572	5.547	5.521	5.494	5.466	5.438	5.409	5.379	5.348	5.317		
-3.00	A	273140	277581	282072	286616	291211	295860	300562	305319	310131	314998	319922	324903	329943	335041	340199	345418		
	B	5.707	5.687	5.665	5.643	5.621	5.597	5.573	5.548	5.522	5.495	5.468	5.440	5.411	5.381	5.351	5.319		
-2.75	A	271978	276409	280892	285427	290014	294654	299347	304095	308898	313756	318671	323644	328674	333764	338913	344123		
	B	5.706	5.686	5.665	5.643	5.621	5.598	5.573	5.549	5.523	5.497	5.469	5.441	5.413	5.383	5.353	5.322		
-2.50	A	270817	275240	279714	284240	288818	293450	298134	302873	307667	312517	317423	322387	327408	332489	337629	342830		
	B	5.706	5.686	5.665	5.643	5.621	5.598	5.574	5.549	5.524	5.498	5.471	5.443	5.415	5.385	5.355	5.325		
-2.25	A	269659	274074	278539	283056	287626	292248	296924	301654	306439	311280	316177	321132	326144	331216	336347	341539		
	B	5.705	5.685	5.665	5.643	5.621	5.598	5.575	5.550	5.525	5.499	5.472	5.445	5.417	5.387	5.358	5.327		

TEMP
DEG C

COMPRESSION FACTOR PER KILOPASCAL F=1/(A+DP*B)
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

	510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540
-2.00 A	268504	272910	277366	281875	286435	291049	295716	300437	305214	310046	314934	319879	324883	329946	335068	340251
-2.00 B	5.705	5.685	5.665	5.643	5.622	5.599	5.575	5.551	5.526	5.500	5.474	5.446	5.418	5.390	5.360	5.330
-1.75 A	267351	271748	276196	280696	285248	289852	294511	299223	303990	308813	313693	318629	323624	328678	333791	338965
-1.75 B	5.704	5.685	5.664	5.643	5.622	5.599	5.576	5.552	5.527	5.502	5.475	5.448	5.420	5.392	5.362	5.332
-1.50 A	266200	270589	275028	279519	284062	288658	293308	298011	302770	307584	312454	317382	322367	327412	332516	337681
-1.50 B	5.703	5.684	5.664	5.643	5.622	5.600	5.577	5.553	5.528	5.503	5.477	5.450	5.422	5.394	5.364	5.335
-1.25 A	265052	269432	273863	278345	282879	287466	292107	296802	301551	306356	311218	316137	321113	326149	331244	336400
-1.25 B	5.703	5.684	5.664	5.643	5.622	5.600	5.577	5.553	5.529	5.504	5.478	5.451	5.424	5.396	5.367	5.337
-1.00 A	263906	268278	272700	277173	281699	286277	290909	295595	300335	305131	309984	314894	319861	324888	329974	335121
-1.00 B	5.702	5.683	5.664	5.643	5.622	5.600	5.578	5.554	5.530	5.505	5.479	5.453	5.426	5.398	5.369	5.339
-0.75 A	262763	267126	271539	276004	280521	285090	289713	294390	299122	303909	308753	313653	318612	323629	328706	333844
-0.75 B	5.701	5.683	5.663	5.643	5.622	5.601	5.578	5.555	5.531	5.506	5.481	5.454	5.427	5.400	5.371	5.342
-0.50 A	261623	265976	270381	274837	279345	283906	288520	293188	297910	302689	307523	312415	317365	322373	327441	332570
-0.50 B	5.700	5.682	5.663	5.643	5.622	5.601	5.579	5.556	5.532	5.507	5.482	5.456	5.429	5.402	5.373	5.344
-0.25 A	260484	264829	269225	273672	278172	282724	287329	291988	296702	301471	306297	311179	316120	321119	326179	331298
-0.25 B	5.700	5.681	5.662	5.643	5.622	5.601	5.579	5.556	5.533	5.508	5.483	5.457	5.431	5.403	5.375	5.346
0.00 A	259349	263685	268072	272510	277001	281544	286140	290790	295495	300256	305072	309946	314878	319868	324918	330029
0.00 B	5.699	5.681	5.662	5.643	5.622	5.601	5.579	5.557	5.533	5.509	5.485	5.459	5.433	5.405	5.377	5.349
0.25 A	258215	262543	266921	271351	275833	280367	284954	289595	294291	299043	303851	308715	313638	318619	323660	328761
0.25 B	5.698	5.680	5.662	5.642	5.622	5.601	5.580	5.557	5.534	5.510	5.486	5.460	5.434	5.407	5.380	5.351
0.50 A	257084	261403	265773	270194	274667	279192	283770	288403	293090	297832	302631	307487	312400	317372	322404	327497
0.50 B	5.697	5.680	5.661	5.642	5.622	5.602	5.580	5.558	5.535	5.511	5.487	5.462	5.436	5.409	5.382	5.353
0.75 A	255956	260266	264627	269039	273503	278020	282589	287213	291891	296624	301414	306261	311165	316128	321151	326234
0.75 B	5.696	5.679	5.661	5.642	5.622	5.602	5.580	5.559	5.536	5.512	5.488	5.463	5.437	5.411	5.384	5.356
1.00 A	254830	259132	263484	267887	272342	276850	281411	286025	290694	295419	300199	305037	309932	314886	319900	324974
1.00 B	5.695	5.678	5.660	5.641	5.622	5.602	5.581	5.559	5.537	5.513	5.489	5.465	5.439	5.413	5.386	5.358
1.25 A	253707	258000	262343	266737	271184	275682	280234	284840	289500	294215	298987	303816	308702	313647	318651	323716
1.25 B	5.694	5.677	5.660	5.641	5.622	5.602	5.581	5.560	5.537	5.514	5.490	5.466	5.441	5.414	5.388	5.360
1.50 A	252586	256870	261205	265590	270028	274517	279060	283657	288308	293015	297777	302597	307474	312410	317405	322461
1.50 B	5.693	5.677	5.659	5.641	5.622	5.602	5.581	5.560	5.538	5.515	5.492	5.467	5.442	5.416	5.390	5.362
1.75 A	251467	255743	260069	264446	268874	273355	277889	282477	287119	291816	296570	301380	306248	311175	316161	321208
1.75 B	5.692	5.676	5.659	5.640	5.622	5.602	5.582	5.561	5.539	5.516	5.493	5.468	5.444	5.418	5.391	5.364

TEMP DEG C		DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE																
		510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540	
2.00	A	250352	254618	258935	263303	267723	272195	276720	281299	285932	290620	295365	300166	305025	309943	314920	319958	
	B	5.691	5.675	5.658	5.640	5.621	5.602	5.582	5.561	5.539	5.517	5.494	5.470	5.445	5.420	5.393	5.366	
2.25	A	249238	253496	257804	262163	266574	271037	275553	280123	284747	289427	294162	298954	303804	308713	313681	318709	
	B	5.690	5.674	5.657	5.640	5.621	5.602	5.582	5.561	5.540	5.518	5.495	5.471	5.447	5.421	5.395	5.369	
2.50	A	248127	252376	256676	261026	265428	269882	274389	278950	283565	288236	292962	297745	302586	307485	312444	317463	
	B	5.689	5.673	5.657	5.639	5.621	5.602	5.582	5.562	5.540	5.518	5.496	5.472	5.448	5.423	5.397	5.371	
2.75	A	247019	251259	255550	259891	264284	268729	273228	277779	282386	287047	291764	296538	301370	306260	311210	316220	
	B	5.688	5.672	5.656	5.639	5.621	5.602	5.582	5.562	5.541	5.519	5.497	5.473	5.449	5.425	5.399	5.373	
3.00	A	245913	250144	254426	258759	263143	267579	272068	276611	281208	285861	290569	295334	300156	305037	309978	314979	
	B	5.687	5.672	5.655	5.638	5.620	5.602	5.582	5.562	5.542	5.520	5.498	5.475	5.451	5.426	5.401	5.375	
3.25	A	244809	249032	253305	257629	262004	266432	270912	275446	280034	284677	289376	294132	298945	303817	308748	313740	
	B	5.686	5.671	5.655	5.638	5.620	5.602	5.583	5.563	5.542	5.521	5.499	5.476	5.452	5.428	5.403	5.377	
3.50	A	243708	247922	252186	256501	260868	265286	269757	274282	278861	283495	288185	292932	297736	302599	307521	312504	
	B	5.685	5.670	5.654	5.637	5.620	5.602	5.583	5.563	5.543	5.521	5.500	5.477	5.453	5.429	5.404	5.379	
3.75	A	242610	246815	251070	255376	259734	264143	268606	273121	277691	282316	286997	291735	296530	301383	306296	311270	
	B	5.684	5.669	5.653	5.637	5.619	5.601	5.583	5.563	5.543	5.522	5.500	5.478	5.455	5.431	5.406	5.381	
4.00	A	241514	245710	249957	254254	258603	263003	267456	271963	276524	281140	285812	290540	295326	300170	305074	310038	
	B	5.682	5.668	5.652	5.636	5.619	5.601	5.583	5.563	5.543	5.523	5.501	5.479	5.456	5.432	5.408	5.383	
4.25	A	240420	244608	248846	253134	257474	261865	266309	270807	275359	279966	284628	289348	294124	298960	303854	308809	
	B	5.681	5.667	5.651	5.635	5.619	5.601	5.583	5.564	5.544	5.523	5.502	5.480	5.457	5.434	5.409	5.384	
4.50	A	239329	243508	247737	252017	256347	260730	265165	269654	274196	278794	283448	288158	292925	297751	302637	307582	
	B	5.680	5.666	5.651	5.635	5.618	5.601	5.583	5.564	5.544	5.524	5.503	5.481	5.459	5.435	5.411	5.386	
4.75	A	238241	242411	246631	250901	255223	259597	264023	268503	273036	277625	282269	286970	291729	296545	301421	306358	
	B	5.679	5.665	5.650	5.634	5.618	5.601	5.583	5.564	5.545	5.525	5.504	5.482	5.460	5.437	5.413	5.388	
5.00	A	237155	241316	245527	249789	254102	258466	262884	267354	271879	276458	281093	285785	290534	295342	300209	305136	
	B	5.677	5.663	5.649	5.633	5.617	5.600	5.583	5.564	5.545	5.525	5.504	5.483	5.461	5.438	5.414	5.390	
5.25	A	236072	240224	244426	248679	252983	257338	261747	266208	270723	275294	279920	284602	289342	294141	298998	303916	
	B	5.676	5.662	5.648	5.633	5.617	5.600	5.582	5.564	5.545	5.526	5.505	5.484	5.462	5.439	5.416	5.392	
5.50	A	234991	239134	243328	247571	251866	256213	260612	265064	269571	274132	278749	283422	288153	292942	297790	302699	
	B	5.675	5.661	5.647	5.632	5.616	5.600	5.582	5.564	5.546	5.526	5.506	5.485	5.463	5.441	5.418	5.394	
5.75	A	233912	238047	242231	246466	250752	255090	259480	263923	268420	272973	277580	282244	286966	291746	296585	301484	
	B	5.673	5.660	5.646	5.631	5.616	5.599	5.582	5.564	5.546	5.527	5.507	5.486	5.464	5.442	5.419	5.395	

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
		510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540	
6.00	A	232836	236962	241138	245364	249641	253969	258350	262785	267273	271816	276414	281069	285781	290552	295382	300272	
	B	5.672	5.659	5.645	5.630	5.615	5.599	5.582	5.564	5.546	5.527	5.507	5.487	5.465	5.443	5.421	5.397	
6.25	A	231763	235880	240047	244264	248532	252851	257223	261648	266127	270661	275250	279896	284599	289360	294181	299062	
	B	5.670	5.658	5.644	5.630	5.614	5.598	5.582	5.564	5.546	5.528	5.508	5.488	5.467	5.445	5.422	5.399	
6.50	A	230692	234800	238958	243166	247425	251736	256099	260515	264984	269509	274089	278726	283419	288171	292983	297854	
	B	5.669	5.656	5.643	5.629	5.614	5.598	5.582	5.564	5.547	5.528	5.509	5.488	5.468	5.446	5.424	5.400	
6.75	A	229624	233723	237872	242071	246321	250623	254976	259383	263844	268359	272930	277558	282242	286985	291787	296649	
	B	5.668	5.655	5.642	5.628	5.613	5.598	5.581	5.564	5.547	5.528	5.509	5.489	5.469	5.447	5.425	5.402	
7.00	A	228558	232649	236788	240979	245220	249512	253857	258255	262706	267212	271774	276392	281067	285801	290593	295446	
	B	5.666	5.654	5.641	5.627	5.612	5.597	5.581	5.564	5.547	5.529	5.510	5.490	5.470	5.448	5.426	5.404	
7.25	A	227495	231576	235707	239889	244121	248404	252740	257128	261571	266068	270620	275229	279895	284619	289402	294246	
	B	5.665	5.652	5.640	5.626	5.612	5.597	5.581	5.564	5.547	5.529	5.510	5.491	5.471	5.450	5.428	5.405	
7.50	A	226434	230507	234629	238801	243024	247298	251625	256004	260438	264925	269469	274068	278725	283440	288214	293048	
	B	5.663	5.651	5.638	5.625	5.611	5.596	5.581	5.564	5.547	5.529	5.511	5.491	5.471	5.451	5.429	5.407	
7.75	A	225376	229440	233553	237716	241930	246195	250513	254883	259307	263786	268320	272910	277557	282263	287027	291852	
	B	5.661	5.650	5.637	5.624	5.610	5.596	5.580	5.564	5.547	5.530	5.511	5.492	5.472	5.452	5.431	5.409	
8.00	A	224320	228375	232479	236634	240838	245095	249403	253764	258179	262648	267173	271754	276392	281088	285844	290659	
	B	5.660	5.648	5.636	5.623	5.609	5.595	5.580	5.564	5.547	5.530	5.512	5.493	5.473	5.453	5.432	5.410	
8.25	A	223267	227313	231408	235554	239749	243997	248296	252648	257053	261514	266029	270601	275229	279916	284662	289468	
	B	5.658	5.647	5.635	5.622	5.609	5.594	5.579	5.564	5.547	5.530	5.512	5.494	5.474	5.454	5.433	5.412	
8.50	A	222216	226254	230340	234476	238663	242901	247191	251534	255930	260381	264887	269450	274069	278747	283483	288280	
	B	5.657	5.645	5.634	5.621	5.608	5.594	5.579	5.564	5.547	5.530	5.513	5.494	5.475	5.455	5.434	5.413	
8.75	A	221168	225197	229274	233401	237579	241808	246089	250422	254810	259251	263748	268301	272911	277580	282307	287094	
	B	5.655	5.644	5.632	5.620	5.607	5.593	5.579	5.563	5.547	5.530	5.513	5.495	5.476	5.456	5.436	5.415	
9.00	A	220123	224142	228211	232329	236497	240717	244989	249314	253692	258124	262612	267155	271756	276415	281133	285911	
	B	5.653	5.642	5.631	5.619	5.606	5.592	5.578	5.563	5.547	5.531	5.513	5.495	5.477	5.457	5.437	5.416	
9.25	A	219080	223090	227150	231259	235418	239629	243892	248207	252576	256999	261477	266012	270603	275253	279961	284729	
	B	5.651	5.641	5.630	5.618	5.605	5.592	5.578	5.563	5.547	5.531	5.514	5.496	5.477	5.458	5.438	5.417	
9.50	A	218039	222041	226091	230191	234342	238544	242797	247103	251463	255877	260346	264871	269453	274093	278792	283551	
	B	5.650	5.639	5.628	5.617	5.604	5.591	5.577	5.562	5.547	5.531	5.514	5.496	5.478	5.459	5.439	5.419	
9.75	A	217002	220994	225036	229127	233268	237461	241705	246002	250352	254757	259216	263732	268305	272935	277625	282375	
	B	5.648	5.638	5.627	5.616	5.603	5.590	5.577	5.562	5.547	5.531	5.514	5.497	5.479	5.460	5.440	5.420	

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C															F=1/(A+DP*B) CUBIC METRE	
	510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540	
10.00 A	215966	219950	223982	228064	232197	236380	240615	244903	249244	253639	258090	262596	267159	271780	276461	281201	
10.00 B	5.646	5.636	5.626	5.614	5.602	5.590	5.576	5.562	5.547	5.531	5.515	5.497	5.480	5.461	5.442	5.421	
10.25 A	214933	218908	222932	227005	231128	235302	239528	243806	248138	252524	256965	261462	266016	270628	275299	280029	
10.25 B	5.644	5.635	5.624	5.613	5.601	5.589	5.575	5.561	5.547	5.531	5.515	5.498	5.480	5.462	5.443	5.423	
10.50 A	213903	217869	221883	225947	230061	234227	238443	242712	247035	251412	255843	260331	264876	269478	274139	278860	
10.50 B	5.642	5.633	5.623	5.612	5.600	5.588	5.575	5.561	5.546	5.531	5.515	5.498	5.481	5.463	5.444	5.424	
10.75 A	212875	216832	220838	224893	228998	233154	237361	241621	245934	250302	254724	259202	263737	268330	272982	277694	
10.75 B	5.641	5.631	5.621	5.611	5.599	5.587	5.574	5.561	5.546	5.531	5.515	5.499	5.482	5.464	5.445	5.425	
11.00 A	211850	215798	219795	223840	227936	232083	236281	240532	244836	249194	253607	258076	262602	267185	271828	276530	
11.00 B	5.639	5.630	5.620	5.609	5.598	5.586	5.574	5.560	5.546	5.531	5.515	5.499	5.482	5.464	5.446	5.427	
11.25 A	210828	214767	218754	222791	226878	231015	235204	239446	243740	248089	252493	256952	261469	266043	270675	275368	
11.25 B	5.637	5.628	5.618	5.608	5.597	5.585	5.573	5.560	5.546	5.531	5.516	5.500	5.483	5.465	5.447	5.428	
11.50 A	209808	213738	217716	221744	225821	229950	234130	238362	242647	246987	251381	255831	260338	264902	269526	274209	
11.50 B	5.635	5.626	5.617	5.607	5.596	5.584	5.572	5.559	5.545	5.531	5.516	5.500	5.483	5.466	5.448	5.429	
11.75 A	208790	212711	216680	220699	224768	228887	233057	237280	241556	245887	250271	254712	259209	263765	268379	273052	
11.75 B	5.633	5.624	5.615	5.605	5.595	5.583	5.571	5.559	5.545	5.531	5.516	5.500	5.484	5.467	5.449	5.430	
12.00 A	207775	211687	215648	219657	223716	227826	231988	236202	240468	244789	249164	253596	258084	262629	267234	271898	
12.00 B	5.631	5.623	5.614	5.604	5.594	5.582	5.571	5.558	5.545	5.531	5.516	5.500	5.484	5.467	5.450	5.431	
12.25 A	206763	210666	214617	218618	222668	226769	230921	235125	239383	243694	248060	252482	256960	261496	266091	270746	
12.25 B	5.629	5.621	5.612	5.603	5.592	5.581	5.570	5.557	5.544	5.531	5.516	5.501	5.485	5.468	5.451	5.432	
12.50 A	205753	209647	213589	217581	221622	225713	229856	234051	238299	242601	246958	251370	255839	260366	264951	269597	
12.50 B	5.627	5.619	5.610	5.601	5.591	5.580	5.569	5.557	5.544	5.530	5.516	5.501	5.485	5.469	5.451	5.434	
12.75 A	204746	208631	212564	216546	220578	224661	228794	232980	237219	241511	245859	250261	254721	259238	263814	268450	
12.75 B	5.625	5.617	5.609	5.600	5.590	5.579	5.568	5.556	5.544	5.530	5.516	5.501	5.486	5.469	5.452	5.435	
13.00 A	203742	207617	211541	215514	219537	223610	227735	231911	236141	240424	244762	249155	253605	258113	262679	267305	
13.00 B	5.623	5.615	5.607	5.598	5.589	5.578	5.567	5.556	5.543	5.530	5.516	5.501	5.486	5.470	5.453	5.436	
13.25 A	202740	206606	210521	214485	218499	222563	226678	230845	235065	239339	243667	248051	252492	256990	261547	266163	
13.25 B	5.621	5.613	5.605	5.597	5.587	5.577	5.566	5.555	5.543	5.530	5.516	5.502	5.486	5.471	5.454	5.437	
13.50 A	201740	205598	209504	213458	217463	221517	225623	229781	233992	238256	242575	246950	251381	255869	260417	265023	
13.50 B	5.618	5.611	5.604	5.595	5.586	5.576	5.566	5.554	5.542	5.529	5.516	5.502	5.487	5.471	5.455	5.438	
13.75 A	200743	204592	208489	212434	216429	220475	224571	228720	232921	237176	241486	245851	250272	254751	259289	263886	
13.75 B	5.616	5.609	5.602	5.594	5.585	5.575	5.565	5.554	5.542	5.529	5.516	5.502	5.487	5.472	5.456	5.439	

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)		
		510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540		
14.00	A	199749	203589	207476	211413	215399	219435	223522	227661	231853	236099	240399	244754	249166	253636	258164	262751		
	B	5.614	5.608	5.600	5.592	5.583	5.574	5.564	5.553	5.541	5.529	5.516	5.502	5.487	5.472	5.456	5.440		
14.25	A	198757	202588	206466	210394	214370	218397	222475	226605	230788	235024	239314	243660	248063	252523	257041	261619		
	B	5.612	5.606	5.598	5.591	5.582	5.573	5.563	5.552	5.541	5.528	5.516	5.502	5.488	5.473	5.457	5.441		
14.50	A	197768	201590	205459	209377	213345	217362	221431	225551	229724	233951	238232	242569	246962	251412	255921	260489		
	B	5.610	5.603	5.597	5.589	5.581	5.571	5.562	5.551	5.540	5.528	5.515	5.502	5.488	5.473	5.458	5.441		
14.75	A	196782	200594	204454	208363	212321	216330	220389	224500	228664	232881	237153	241480	245863	250304	254803	259362		
	B	5.607	5.601	5.595	5.587	5.579	5.570	5.561	5.550	5.539	5.528	5.515	5.502	5.488	5.474	5.458	5.442		
15.00	A	195798	199601	203452	207352	211301	215300	219350	223452	227606	231814	236076	240393	244767	249198	253688	258237		
	B	5.605	5.599	5.593	5.586	5.578	5.569	5.560	5.550	5.539	5.527	5.515	5.502	5.488	5.474	5.459	5.443		
15.25	A	194816	198611	202453	206343	210283	214273	218313	222406	226550	230749	235001	239309	243674	248095	252575	257115		
	B	5.603	5.597	5.591	5.584	5.576	5.568	5.559	5.549	5.538	5.527	5.515	5.502	5.489	5.474	5.460	5.444		
15.50	A	193838	197623	201456	205337	209267	213248	217279	221362	225498	229686	233929	238228	242583	246995	251465	255995		
	B	5.600	5.595	5.589	5.582	5.575	5.566	5.557	5.548	5.537	5.526	5.515	5.502	5.489	5.475	5.460	5.445		
15.75	A	192861	196637	200461	204333	208255	212226	216248	220321	224447	228626	232860	237149	241494	245896	250357	254877		
	B	5.598	5.593	5.587	5.580	5.573	5.565	5.556	5.547	5.537	5.526	5.514	5.502	5.489	5.475	5.461	5.446		
16.00	A	191888	195655	199469	203332	207244	211206	215219	219283	223399	227569	231793	236072	240408	244801	249252	253762		
	B	5.596	5.591	5.585	5.579	5.572	5.564	5.555	5.546	5.536	5.525	5.514	5.502	5.489	5.475	5.461	5.446		
16.25	A	190917	194675	198480	202334	206236	210189	214192	218247	222354	226514	230729	234998	239324	243707	248149	252650		
	B	5.593	5.589	5.583	5.577	5.570	5.562	5.554	5.545	5.535	5.525	5.514	5.502	5.489	5.476	5.462	5.447		
16.50	A	189948	193697	197493	201338	205231	209174	213168	217214	221311	225462	229667	233927	238243	242617	247049	251540		
	B	5.591	5.586	5.581	5.575	5.568	5.561	5.553	5.544	5.534	5.524	5.513	5.502	5.489	5.476	5.462	5.448		
16.75	A	188983	192722	196509	200344	204229	208163	212147	216183	220271	224412	228608	232858	237165	241529	245951	250432		
	B	5.588	5.584	5.579	5.573	5.567	5.560	5.552	5.543	5.534	5.524	5.513	5.501	5.489	5.476	5.463	5.448		
17.00	A	188019	191750	195528	199354	203229	207153	211128	215155	219233	223365	227551	231792	236089	240443	244855	249327		
	B	5.586	5.582	5.577	5.571	5.565	5.558	5.550	5.542	5.533	5.523	5.512	5.501	5.489	5.477	5.463	5.449		
17.25	A	187059	190780	194549	198366	202231	206146	210112	214129	218198	222320	226496	230728	235015	239360	243762	248224		
	B	5.583	5.580	5.575	5.569	5.563	5.557	5.549	5.541	5.532	5.522	5.512	5.501	5.489	5.477	5.464	5.450		
17.50	A	186101	189813	193572	197380	201236	205142	209098	213106	217165	221278	225445	229666	233944	238279	242672	247124		
	B	5.581	5.577	5.573	5.568	5.562	5.555	5.548	5.540	5.531	5.522	5.512	5.501	5.489	5.477	5.464	5.450		
17.75	A	185145	188849	192599	196397	200244	204140	208087	212085	216135	220238	224395	228608	232876	237201	241584	246026		
	B	5.578	5.575	5.571	5.566	5.560	5.554	5.546	5.539	5.530	5.521	5.511	5.500	5.489	5.477	5.464	5.451		

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE												F=1/(A+DP*B)											
	510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540								
18.00	A	184193	187887	191628	195417	199254	203141	207079	211067	215108	219201	223349	227551	231810	236125	240499	244931							
	B	5.576	5.572	5.568	5.564	5.558	5.552	5.545	5.538	5.529	5.520	5.511	5.500	5.489	5.477	5.465	5.451							
18.25	A	183243	186927	190659	194439	198267	202145	206073	210052	214083	218167	222305	226497	230746	235052	239416	243839							
	B	5.573	5.570	5.566	5.562	5.556	5.550	5.544	5.536	5.528	5.520	5.510	5.500	5.489	5.477	5.465	5.452							
18.50	A	182295	185971	189693	193464	197283	201151	205069	209039	213060	217135	221263	225446	229685	233981	238335	242748							
	B	5.571	5.568	5.564	5.560	5.555	5.549	5.542	5.535	5.527	5.519	5.509	5.499	5.489	5.477	5.465	5.453							
18.75	A	181350	185017	188730	192491	196301	200159	204068	208029	212040	216105	220224	224397	228627	232913	237257	241661							
	B	5.568	5.565	5.562	5.558	5.553	5.547	5.541	5.534	5.526	5.518	5.509	5.499	5.489	5.477	5.466	5.453							
19.00	A	180408	184065	187769	191521	195321	199171	203070	207021	211023	215078	219187	223351	227571	231847	236182	240575							
	B	5.565	5.563	5.560	5.556	5.551	5.546	5.540	5.533	5.525	5.517	5.508	5.499	5.488	5.477	5.466	5.453							
19.25	A	179468	183116	186811	190554	194344	198184	202075	206016	210008	214054	218153	222307	226517	230784	235109	239493							
	B	5.563	5.560	5.557	5.553	5.549	5.544	5.538	5.531	5.524	5.516	5.508	5.498	5.488	5.477	5.466	5.454							
19.50	A	178531	182170	185856	189589	193370	197201	201081	205013	209996	213032	217122	221266	225466	229723	234038	238412							
	B	5.560	5.558	5.555	5.551	5.547	5.542	5.537	5.530	5.523	5.515	5.507	5.498	5.488	5.477	5.466	5.454							
19.75	A	177597	181226	184903	188626	192399	196220	200091	204013	207987	212013	216093	220228	224418	228665	232970	237335							
	B	5.557	5.555	5.553	5.549	5.545	5.540	5.535	5.529	5.522	5.515	5.506	5.497	5.488	5.477	5.466	5.455							
20.00	A	176665	180285	183952	187667	191430	195241	199103	203015	206980	210996	215067	219192	223372	227610	231905	236259							
	B	5.554	5.553	5.550	5.547	5.543	5.539	5.533	5.528	5.521	5.514	5.506	5.497	5.487	5.477	5.467	5.455							
20.25	A	175736	179347	183005	186710	190463	194266	198118	202021	205975	209982	214043	218158	222329	226557	230842	235187							
	B	5.552	5.550	5.548	5.545	5.541	5.537	5.532	5.526	5.520	5.513	5.505	5.496	5.487	5.477	5.467	5.455							
20.50	A	174809	178411	182060	185755	189499	193292	197135	201028	204973	208971	213022	217127	221288	225506	229782	234116							
	B	5.549	5.547	5.545	5.543	5.539	5.535	5.530	5.525	5.519	5.512	5.504	5.496	5.487	5.477	5.467	5.456							
20.75	A	173885	177478	181117	184804	188538	192322	196155	200038	203974	207962	212003	216099	220250	224458	228724	233049							
	B	5.546	5.545	5.543	5.540	5.537	5.533	5.529	5.523	5.517	5.511	5.503	5.495	5.487	5.477	5.467	5.456							
21.00	A	172964	176548	180177	183855	187580	191354	195177	199051	202977	206955	210987	215073	219214	223412	227668	231983							
	B	5.543	5.542	5.540	5.538	5.535	5.531	5.527	5.522	5.516	5.510	5.503	5.495	5.486	5.477	5.467	5.456							
21.25	A	172045	175620	179240	182908	186624	190388	194202	198067	201983	205951	209973	214049	218181	222369	226615	230920							
	B	5.540	5.539	5.538	5.536	5.533	5.530	5.525	5.521	5.515	5.509	5.502	5.494	5.486	5.477	5.467	5.457							
21.50	A	171129	174694	178306	181964	185670	189425	193230	197085	200991	204950	208962	213028	217150	221329	225565	229860							
	B	5.537	5.537	5.535	5.534	5.531	5.528	5.524	5.519	5.514	5.508	5.501	5.493	5.485	5.476	5.467	5.457							
21.75	A	170216	173772	177374	181023	184719	188465	192260	196105	200002	203951	207953	212010	216122	220291	224517	228803							
	B	5.534	5.534	5.533	5.531	5.529	5.526	5.522	5.518	5.512	5.507	5.500	5.493	5.485	5.476	5.467	5.457							

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE																F=1/(A+DP*B)	
	510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540		
22.00 A	169305	172852	176444	180084	183771	187507	191293	195128	199016	202955	206948	210994	215097	219256	223472	227747		
B	5.531	5.531	5.530	5.529	5.527	5.524	5.520	5.516	5.511	5.505	5.499	5.492	5.484	5.476	5.467	5.457		
22.25 A	168397	171934	175518	179148	182826	186552	190328	194154	198032	201961	205944	209981	214074	218223	222429	226695		
B	5.528	5.528	5.528	5.527	5.525	5.522	5.519	5.514	5.510	5.504	5.498	5.491	5.484	5.476	5.467	5.457		
22.50 A	167492	171020	174594	178214	181883	185600	189366	193183	197050	200970	204943	208971	213053	217192	221389	225644		
B	5.525	5.526	5.525	5.524	5.522	5.520	5.517	5.513	5.508	5.503	5.497	5.491	5.483	5.475	5.467	5.457		
22.75 A	166589	170108	173672	177284	180943	184650	188407	192214	196072	199982	203945	207963	212035	216165	220351	224597		
B	5.522	5.523	5.523	5.522	5.520	5.518	5.515	5.511	5.507	5.502	5.496	5.490	5.483	5.475	5.467	5.457		
23.00 A	165689	169198	172753	176355	180005	183703	187450	191247	195095	198996	202949	206957	211020	215139	219316	223552		
B	5.519	5.520	5.520	5.519	5.518	5.516	5.513	5.510	5.506	5.501	5.495	5.489	5.482	5.475	5.466	5.458		
23.25 A	164792	168291	171837	175430	179070	182758	186496	190283	194122	198013	201956	205954	210007	214117	218283	222509		
B	5.516	5.517	5.517	5.517	5.516	5.514	5.511	5.508	5.504	5.500	5.494	5.488	5.482	5.474	5.466	5.458		
23.50 A	163897	167387	170924	174507	178137	181816	185544	189322	193151	197032	200966	204954	208997	213096	217253	221469		
B	5.513	5.514	5.515	5.514	5.513	5.512	5.509	5.506	5.503	5.498	5.493	5.487	5.481	5.474	5.466	5.458		
23.75 A	163005	166486	170013	173587	177208	180877	184595	188363	192183	196054	199978	203956	207989	212079	216226	220431		
B	5.510	5.511	5.512	5.512	5.511	5.510	5.507	5.505	5.501	5.497	5.492	5.487	5.480	5.473	5.466	5.458		
24.00 A	162115	165587	169105	172669	176280	179940	183649	187407	191217	195078	198992	202961	206984	211064	215201	219396		
B	5.507	5.508	5.509	5.509	5.509	5.507	5.506	5.503	5.500	5.496	5.491	5.486	5.480	5.473	5.466	5.458		
24.25 A	161228	164691	168199	171754	175356	179006	182705	186454	190254	194105	198010	201968	205981	210051	214178	218364		
B	5.503	5.505	5.506	5.507	5.506	5.505	5.504	5.501	5.498	5.494	5.490	5.485	5.479	5.473	5.465	5.457		
24.50 A	160344	163797	167296	170841	174434	178074	181764	185503	189293	193135	197029	200978	204981	209041	213158	217334		
B	5.500	5.502	5.503	5.504	5.504	5.503	5.502	5.499	5.497	5.493	5.489	5.484	5.478	5.472	5.465	5.457		
24.75 A	159462	162906	166396	169932	173515	177145	180825	184555	188335	192167	196052	199990	203984	208034	212141	216306		
B	5.497	5.499	5.501	5.501	5.501	5.500	5.498	5.495	5.492	5.488	5.483	5.478	5.472	5.465	5.457	5.457		
25.00 A	158584	162018	165498	169025	172598	176219	179889	183609	187380	191202	195077	199005	202989	207029	211126	215281		
B	5.494	5.496	5.498	5.499	5.499	5.498	5.496	5.493	5.490	5.486	5.482	5.477	5.471	5.464	5.457	5.457		
25.25 A	157707	161133	164603	168120	171684	175296	178956	182666	186427	190239	194104	198023	201997	206026	210113	214259		
B	5.490	5.493	5.495	5.496	5.497	5.496	5.494	5.492	5.489	5.485	5.481	5.476	5.470	5.464	5.457	5.457		
25.50 A	156834	160250	163711	167218	170773	174375	178025	181726	185477	189279	193134	197043	201007	205027	209104	213239		
B	5.487	5.490	5.492	5.493	5.494	5.494	5.493	5.492	5.490	5.487	5.484	5.480	5.475	5.470	5.464	5.457		
25.75 A	155963	159370	162821	166319	169864	173456	177097	180788	184529	188322	192167	196066	200020	204029	208096	212222		
B	5.484	5.487	5.489	5.491	5.492	5.492	5.491	5.490	5.488	5.486	5.483	5.479	5.474	5.469	5.463	5.457		

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C										F=1/(A+DP*B) CUBIC METRE									
	510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540				
26.00 A	155095	158492	161934	165423	168958	172540	176172	179853	183584	187367	191202	195091	199035	203035	207092	211207				
B	5.480	5.484	5.486	5.488	5.489	5.489	5.489	5.488	5.487	5.484	5.481	5.478	5.473	5.468	5.463	5.456				
26.25 A	154229	157617	161050	164529	168054	171627	175249	178920	182642	186415	190240	194119	198053	202043	206089	210195				
B	5.477	5.480	5.483	5.485	5.486	5.487	5.487	5.486	5.485	5.483	5.480	5.477	5.473	5.468	5.462	5.456				
26.50 A	153367	156745	160168	163638	167153	170717	174329	177990	181702	185465	189281	193150	197074	201053	205090	209185				
B	5.474	5.477	5.480	5.482	5.484	5.485	5.485	5.484	5.483	5.481	5.479	5.476	5.472	5.467	5.462	5.456				
26.75 A	152506	155875	159289	162749	166255	169809	173411	177063	180765	184518	188324	192183	196097	200066	204093	208178				
B	5.470	5.474	5.477	5.480	5.481	5.482	5.483	5.482	5.481	5.480	5.477	5.474	5.471	5.466	5.461	5.456				
27.00 A	151649	155009	158413	161863	165360	168904	172496	176138	179830	183574	187369	191219	195122	199082	203098	207173				
B	5.467	5.471	5.474	5.477	5.479	5.480	5.480	5.480	5.478	5.478	5.476	5.473	5.470	5.466	5.461	5.455				
27.25 A	150794	154144	157539	160980	164467	168001	171584	175216	178898	182632	186418	190257	194151	198100	202106	206171				
B	5.463	5.468	5.471	5.474	5.476	5.477	5.478	5.478	5.478	5.477	5.475	5.472	5.469	5.465	5.460	5.455				
27.50 A	149942	153283	156668	160099	163577	167102	170675	174297	177969	181693	185468	189298	193181	197121	201117	205171				
B	5.460	5.464	5.468	5.471	5.473	5.475	5.476	5.476	5.476	5.475	5.473	5.471	5.468	5.464	5.460	5.455				
27.75 A	149093	152424	155800	159221	162689	166204	169768	173380	177042	180756	184522	188341	192215	196144	200130	204174				
B	5.456	5.461	5.465	5.468	5.471	5.472	5.474	5.474	5.474	5.473	5.472	5.470	5.467	5.463	5.459	5.454				
28.00 A	148246	151568	154934	158346	161804	165310	168863	172466	176118	179822	183578	187387	191251	195170	199146	203180				
B	5.453	5.458	5.462	5.465	5.468	5.470	5.471	5.472	5.472	5.472	5.470	5.468	5.466	5.462	5.458	5.454				
28.25 A	147402	150714	154071	157474	160922	164418	167961	171554	175197	178891	182637	186436	190289	194198	198164	202188				
B	5.449	5.454	5.458	5.462	5.465	5.467	5.469	5.470	5.470	5.470	5.469	5.467	5.465	5.462	5.458	5.453				
28.50 A	146561	149864	153211	156604	160043	163529	167062	170645	174278	177962	181698	185487	189330	193229	197185	201199				
B	5.446	5.451	5.455	5.459	5.462	5.465	5.467	5.468	5.468	5.468	5.467	5.466	5.463	5.461	5.457	5.453				
28.75 A	145722	149015	152353	155736	159166	162642	166166	169739	173362	177036	180762	184541	188374	192263	196209	200212				
B	5.442	5.447	5.452	5.456	5.459	5.462	5.464	5.466	5.466	5.466	5.466	5.464	5.462	5.460	5.456	5.452				
29.00 A	144886	148170	151498	154872	158291	161758	165272	168835	172449	176112	179828	183597	187421	191299	195235	199228				
B	5.438	5.444	5.449	5.453	5.457	5.460	5.462	5.463	5.464	5.465	5.464	5.463	5.461	5.459	5.456	5.452				
29.25 A	144053	147327	150646	154010	157420	160877	164381	167934	171538	175192	178897	182656	186470	190338	194263	198246				
B	5.435	5.440	5.446	5.450	5.454	5.457	5.459	5.461	5.462	5.463	5.462	5.462	5.460	5.458	5.455	5.451				
29.50 A	143222	146487	149797	153151	156551	159998	163493	167036	170629	174273	177969	181718	185521	189379	193294	197267				
B	5.431	5.437	5.442	5.447	5.451	5.454	5.457	5.459	5.460	5.461	5.461	5.460	5.459	5.457	5.454	5.451				
29.75 A	142394	145650	148950	152294	155685	159122	162607	166140	169724	173358	177044	180782	184575	188423	192328	196291				
B	5.427	5.433	5.439	5.444	5.448	5.452	5.454	5.457	5.458	5.459	5.459	5.459	5.458	5.456	5.453	5.450				

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
		510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540	
30.00	A	141569	144815	148105	151440	154821	158249	161724	165247	168821	172445	176121	179849	183632	187470	191365	195317	
	B	5.423	5.430	5.436	5.441	5.445	5.449	5.452	5.454	5.456	5.457	5.457	5.457	5.456	5.455	5.452	5.450	
30.25	A	140747	143983	147264	150589	153960	157378	160843	164357	167920	171534	175200	178919	182691	186519	190403	194346	
	B	5.420	5.426	5.432	5.437	5.442	5.446	5.449	5.452	5.454	5.455	5.456	5.456	5.455	5.454	5.452	5.449	
30.50	A	139927	143154	146425	149741	153102	156510	159965	163469	167023	170627	174282	177991	181753	185571	189445	193377	
	B	5.416	5.423	5.429	5.434	5.439	5.443	5.447	5.450	5.452	5.453	5.454	5.454	5.454	5.453	5.451	5.448	
30.75	A	139110	142328	145589	148895	152247	155645	159090	162584	166128	169722	173367	177065	180818	184625	188489	192411	
	B	5.412	5.419	5.425	5.431	5.436	5.440	5.444	5.447	5.450	5.451	5.452	5.453	5.452	5.451	5.450	5.448	
31.00	A	138296	141504	144756	148052	151394	154782	158218	161702	165235	168819	172455	176143	179885	183682	187536	191447	
	B	5.408	5.415	5.422	5.428	5.433	5.438	5.442	5.445	5.447	5.449	5.451	5.451	5.451	5.450	5.449	5.447	
31.25	A	137484	140683	143925	147211	150544	153922	157348	160822	164345	167919	171545	175223	178955	182742	186585	190486	
	B	5.404	5.412	5.419	5.425	5.430	5.435	5.439	5.442	5.445	5.447	5.449	5.450	5.450	5.449	5.448	5.446	
31.50	A	136675	139864	143097	146374	149696	153065	156481	159945	163458	167022	170637	174305	178027	181804	185637	189527	
	B	5.400	5.408	5.415	5.421	5.427	5.432	5.436	5.440	5.443	5.445	5.447	5.448	5.448	5.448	5.447	5.445	
31.75	A	135869	139049	142271	145539	148851	152210	155616	159070	162574	166128	169733	173391	177102	180868	184691	188572	
	B	5.397	5.404	5.412	5.418	5.424	5.429	5.434	5.437	5.441	5.443	5.445	5.446	5.447	5.447	5.446	5.445	
32.00	A	135066	138236	141449	144706	148009	151358	154754	158199	161692	165236	168831	172478	176180	179936	183748	187618	
	B	5.393	5.401	5.408	5.415	5.421	5.426	5.431	5.435	5.438	5.441	5.443	5.445	5.445	5.445	5.445	5.444	
32.25	A	134265	137425	140629	143877	147170	150509	153895	157330	160813	164347	167931	171569	175260	179006	182808	186667	
	B	5.389	5.397	5.404	5.411	5.418	5.423	5.428	5.432	5.436	5.439	5.441	5.443	5.444	5.444	5.444	5.443	
32.50	A	133467	136618	139812	143050	146333	149662	153039	156463	159936	163460	167035	170662	174343	178078	181870	185719	
	B	5.385	5.393	5.401	5.408	5.414	5.420	5.425	5.430	5.434	5.437	5.439	5.441	5.442	5.443	5.443	5.442	
32.75	A	132672	135813	138997	142226	145499	148819	152185	155599	159063	162576	166141	169758	173428	177153	180935	184774	
	B	5.381	5.389	5.397	5.405	5.411	5.417	5.423	5.427	5.431	5.435	5.437	5.439	5.441	5.442	5.442	5.441	
33.00	A	131879	135011	138185	141404	144668	147977	151334	154738	158191	161695	165249	168856	172516	176231	180002	183831	
	B	5.377	5.385	5.394	5.401	5.408	5.414	5.420	5.425	5.429	5.433	5.435	5.438	5.439	5.440	5.441	5.440	
33.25	A	131089	134211	137376	140585	143839	147139	150485	153880	157323	160816	164360	167957	171607	175312	179072	182890	
	B	5.372	5.382	5.390	5.398	5.405	5.411	5.417	5.422	5.426	5.430	5.433	5.436	5.438	5.439	5.439	5.439	
33.50	A	130302	133415	136570	139769	143013	146303	149640	153024	156457	159940	163474	167060	170700	174395	178145	181953	
	B	5.368	5.378	5.386	5.394	5.401	5.408	5.414	5.419	5.424	5.428	5.431	5.434	5.436	5.438	5.438	5.438	
33.75	A	129518	132621	135766	138956	142190	145470	148797	152171	155594	159067	162591	166167	169796	173480	177220	181017	
	B	5.364	5.374	5.383	5.391	5.398	5.405	5.411	5.417	5.422	5.426	5.429	5.432	5.435	5.436	5.437	5.437	

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
		510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540	
34.00	A	128736	131829	134965	138145	141370	144640	147956	151320	154733	158196	161710	165276	168895	172568	176298	180085	
	B	5.360	5.370	5.379	5.387	5.395	5.402	5.408	5.414	5.419	5.424	5.427	5.430	5.433	5.435	5.436	5.436	
34.25	A	127958	131041	134167	137337	140552	143812	147118	150473	153875	157328	160832	164387	167996	171659	175378	179155	
	B	5.356	5.366	5.375	5.384	5.391	5.399	5.405	5.411	5.417	5.421	5.425	5.429	5.431	5.433	5.435	5.435	
34.50	A	127181	130255	133372	136532	139737	142987	146283	149628	153020	156463	159956	163501	167100	170753	174462	178228	
	B	5.352	5.362	5.371	5.380	5.388	5.396	5.402	5.409	5.414	5.419	5.423	5.427	5.430	5.432	5.433	5.434	
34.75	A	126408	129472	132579	135729	138924	142164	145451	148785	152168	155600	159083	162618	166206	169849	173547	177303	
	B	5.348	5.358	5.367	5.376	5.385	5.392	5.399	5.406	5.411	5.417	5.421	5.425	5.428	5.430	5.432	5.433	
35.00	A	125637	128692	131789	134930	138115	141345	144621	147945	151318	154740	158213	161737	165315	168948	172635	176381	
	B	5.343	5.354	5.364	5.373	5.381	5.389	5.396	5.403	5.409	5.414	5.419	5.423	5.426	5.429	5.431	5.432	
35.25	A	124870	127914	131002	134132	137308	140528	143795	147108	150471	153883	157345	160860	164427	168049	171726	175461	
	B	5.339	5.350	5.360	5.369	5.378	5.386	5.393	5.400	5.406	5.412	5.417	5.421	5.424	5.427	5.429	5.431	
35.50	A	124104	127140	130217	133338	136503	139714	142970	146274	149626	153028	156480	159984	163541	167153	170820	174544	
	B	5.335	5.346	5.356	5.365	5.374	5.383	5.390	5.397	5.404	5.409	5.414	5.419	5.422	5.426	5.428	5.430	
35.75	A	123342	126367	129435	132546	135702	138902	142149	145443	148785	152176	155618	159112	162658	166259	169916	173630	
	B	5.330	5.342	5.352	5.362	5.371	5.379	5.387	5.394	5.401	5.407	5.412	5.417	5.421	5.424	5.427	5.429	
36.00	A	122582	125598	128656	131758	134903	138093	141330	144614	147945	151327	154758	158242	161778	165369	169015	172718	
	B	5.326	5.337	5.348	5.358	5.367	5.376	5.384	5.392	5.398	5.404	5.410	5.415	5.419	5.422	5.425	5.427	
36.25	A	121825	124832	127880	130971	134107	137287	140514	143787	147109	150480	153901	157374	160900	164481	168116	171809	
	B	5.322	5.333	5.344	5.354	5.364	5.373	5.381	5.389	5.396	5.402	5.408	5.413	5.417	5.421	5.424	5.426	
36.50	A	121071	124068	127106	130188	133313	136484	139700	142964	146275	149636	153047	156510	160025	163595	167220	170902	
	B	5.317	5.329	5.340	5.351	5.360	5.369	5.378	5.386	5.393	5.399	5.405	5.410	5.415	5.419	5.422	5.425	
36.75	A	120320	123307	126335	129407	132523	135683	138890	142143	145444	148795	152196	155648	159153	162712	166327	169998	
	B	5.313	5.325	5.336	5.347	5.357	5.366	5.375	5.383	5.390	5.397	5.403	5.408	5.413	5.417	5.421	5.424	
37.00	A	119571	122548	125567	128629	131735	134885	138082	141325	144616	147956	151347	154789	158283	161832	165436	169097	
	B	5.309	5.321	5.332	5.343	5.353	5.363	5.371	5.380	5.387	5.394	5.401	5.406	5.411	5.416	5.419	5.422	
37.25	A	118825	121793	124802	127854	130950	134090	137276	140509	143790	147120	150500	153932	157416	160954	164548	168198	
	B	5.304	5.316	5.328	5.339	5.349	5.359	5.368	5.377	5.384	5.392	5.398	5.404	5.409	5.414	5.418	5.421	
37.50	A	118082	121040	124039	127081	130167	133298	136474	139697	142967	146287	149657	153078	156552	160079	163662	167302	
	B	5.300	5.312	5.324	5.335	5.346	5.356	5.365	5.374	5.382	5.389	5.396	5.402	5.407	5.412	5.416	5.420	
37.75	A	117342	120290	123279	126312	129387	132508	135674	138887	142147	145456	148816	152227	155690	159207	162780	166409	
	B	5.295	5.308	5.320	5.331	5.342	5.352	5.362	5.371	5.379	5.386	5.393	5.400	5.405	5.410	5.415	5.418	

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
		510	512	514	516	518	520	522	524	526	528	530	532	534	536	538		
38.00	A	116604	119542	122522	125545	128610	131721	134877	138079	141329	144628	147978	151378	154831	158337	161899	165518	
	B	5.291	5.303	5.316	5.327	5.338	5.349	5.358	5.367	5.376	5.384	5.391	5.397	5.403	5.408	5.413	5.417	
38.25	A	115870	118798	121768	124780	127836	130936	134082	137275	140514	143803	147142	150532	153974	157470	161022	164630	
	B	5.286	5.299	5.312	5.323	5.335	5.345	5.355	5.364	5.373	5.381	5.388	5.395	5.401	5.407	5.411	5.416	
38.50	A	115138	118056	121016	124019	127065	130155	133291	136473	139702	142981	146309	149689	153120	156606	160147	163744	
	B	5.281	5.295	5.307	5.319	5.331	5.342	5.352	5.361	5.370	5.378	5.386	5.393	5.399	5.405	5.410	5.414	
38.75	A	114408	117317	120267	123260	126296	129376	132502	135673	138893	142161	145479	148848	152269	155744	159275	162866	
	B	5.277	5.290	5.303	5.315	5.327	5.338	5.348	5.358	5.367	5.376	5.383	5.390	5.397	5.403	5.408	5.413	
39.00	A	113682	116581	119521	122504	125530	128600	131715	134877	138086	141344	144651	148010	151421	154885	158405	161981	
	B	5.272	5.286	5.299	5.311	5.323	5.334	5.345	5.355	5.364	5.373	5.381	5.388	5.395	5.401	5.406	5.411	
39.25	A	112958	115847	118778	121751	124767	127827	130932	134083	137282	140529	143826	147175	150575	154029	157538	161103	
	B	5.268	5.281	5.295	5.307	5.319	5.331	5.342	5.352	5.361	5.370	5.378	5.386	5.393	5.399	5.405	5.410	
39.50	A	112237	115117	118037	121000	124006	127056	130151	133292	136481	139718	143004	146342	149732	153175	156674	160228	
	B	5.263	5.277	5.290	5.303	5.316	5.327	5.338	5.348	5.358	5.367	5.376	5.383	5.390	5.397	5.403	5.408	
39.75	A	111519	114389	117300	120252	123248	126288	129373	132504	135682	138909	142185	145512	148891	152324	155812	159356	
	B	5.258	5.272	5.286	5.299	5.312	5.323	5.335	5.345	5.355	5.364	5.373	5.381	5.388	5.395	5.401	5.406	
40.00	A	110804	113664	116564	119507	122493	125523	128597	131718	134886	138102	141368	144685	148054	151476	154953	158486	
	B	5.253	5.268	5.282	5.295	5.308	5.320	5.331	5.342	5.352	5.361	5.370	5.378	5.386	5.393	5.399	5.405	
40.25	A	110091	112941	115832	118765	121741	124760	127825	130935	134093	137299	140554	143860	147218	150630	154096	157619	
	B	5.249	5.263	5.278	5.291	5.304	5.316	5.328	5.339	5.349	5.359	5.368	5.376	5.384	5.391	5.397	5.403	
40.50	A	109381	112222	115103	118026	120991	124001	127055	130155	133302	136498	139743	143038	146386	149787	153243	156755	
	B	5.244	5.259	5.273	5.287	5.300	5.312	5.324	5.335	5.346	5.356	5.365	5.373	5.381	5.389	5.396	5.402	
40.75	A	108674	111505	114376	117289	120244	123244	126288	129378	132515	135700	138934	142219	145556	148947	152392	155893	
	B	5.239	5.254	5.269	5.283	5.296	5.309	5.321	5.332	5.343	5.353	5.362	5.371	5.379	5.387	5.394	5.400	
41.00	A	107970	110791	113652	116555	119500	122490	125523	128603	131729	134904	138128	141403	144729	148109	151543	155034	
	B	5.234	5.250	5.264	5.278	5.292	5.305	5.317	5.328	5.339	5.350	5.359	5.368	5.377	5.385	5.392	5.398	
41.25	A	107269	110079	112931	115824	118759	121738	124762	127831	130947	134111	137325	140589	143905	147274	150697	154177	
	B	5.229	5.245	5.260	5.274	5.288	5.301	5.313	5.325	5.336	5.347	5.357	5.366	5.374	5.382	5.390	5.397	
41.50	A	106570	109371	112212	115095	118021	120989	124003	127062	130167	133321	136524	139778	143083	146441	149854	153323	
	B	5.225	5.240	5.255	5.270	5.284	5.297	5.310	5.322	5.333	5.344	5.354	5.363	5.372	5.380	5.388	5.395	
41.75	A	105874	108665	111497	114370	117285	120243	123247	126295	129391	132534	135726	138969	142264	145612	149014	152472	
	B	5.220	5.236	5.251	5.266	5.280	5.293	5.306	5.318	5.330	5.341	5.351	5.361	5.370	5.378	5.386	5.393	

COMPRESSIBILITY FACTOR PER KILOPASCAL F=1/(A+DP*B)
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540
42.00 A	105181	107962	110784	113647	116552	119500	122493	125531	128616	131749	134931	138163	141447	144784	148176	151623
B	5.215	5.231	5.246	5.261	5.276	5.289	5.302	5.315	5.326	5.338	5.348	5.358	5.367	5.376	5.384	5.391
42.25 A	104491	107262	110074	112927	115822	118760	121742	124770	127845	130967	134139	137360	140634	143960	147341	150777
B	5.210	5.226	5.242	5.257	5.271	5.285	5.299	5.311	5.323	5.335	5.345	5.355	5.365	5.374	5.382	5.389
42.50 A	103803	106565	109366	112209	115094	118022	120994	124012	127076	130188	133349	136560	139823	143138	146508	149934
B	5.205	5.221	5.237	5.253	5.267	5.281	5.295	5.308	5.320	5.331	5.342	5.353	5.362	5.371	5.380	5.388
42.75 A	103119	105870	108662	111495	114369	117287	120249	123257	126310	129412	132562	135762	139014	142319	145679	149094
B	5.200	5.217	5.233	5.248	5.263	5.277	5.291	5.304	5.317	5.328	5.339	5.350	5.360	5.369	5.378	5.386
43.00 A	102437	105179	107960	110783	113647	116555	119507	122504	125547	128638	131778	134968	138209	141503	144851	148256
B	5.195	5.212	5.228	5.244	5.259	5.273	5.287	5.301	5.313	5.325	5.336	5.347	5.357	5.367	5.376	5.384
43.25 A	101758	104490	107261	110074	112928	115826	118767	121754	124787	127867	130996	134175	137406	140689	144027	147420
B	5.190	5.207	5.223	5.239	5.255	5.269	5.283	5.297	5.310	5.322	5.333	5.344	5.355	5.364	5.374	5.382
43.50 A	101082	103804	106565	109368	112212	115099	118030	121006	124029	127099	130217	133386	136606	139878	143205	146588
B	5.185	5.202	5.219	5.235	5.250	5.265	5.280	5.293	5.306	5.319	5.330	5.342	5.352	5.362	5.371	5.380
43.75 A	100408	103120	105872	108664	111498	114375	117296	120262	123274	126333	129441	132599	135808	139070	142386	145758
B	5.180	5.197	5.214	5.230	5.246	5.261	5.276	5.290	5.303	5.315	5.327	5.339	5.350	5.360	5.369	5.378
44.00 A	99738	102440	105181	107964	110788	113654	116565	119520	122521	125570	128668	131815	135013	138264	141570	144930
B	5.174	5.192	5.209	5.226	5.242	5.257	5.272	5.286	5.299	5.312	5.324	5.336	5.347	5.357	5.367	5.376
44.25 A	99070	101762	104494	107266	110080	112936	115836	118781	121772	124810	127897	131033	134221	137462	140756	144106
B	5.169	5.187	5.205	5.221	5.238	5.253	5.268	5.282	5.296	5.309	5.321	5.333	5.344	5.355	5.365	5.374
44.50 A	98405	101087	103809	106571	109374	112220	115110	118045	121025	124053	127129	130255	133432	136661	139945	143284
B	5.164	5.182	5.200	5.217	5.233	5.249	5.264	5.279	5.292	5.306	5.318	5.330	5.342	5.352	5.363	5.372
44.75 A	97743	100415	103127	105878	108672	111508	114387	117311	120281	123298	126364	129479	132645	135864	139136	142465
B	5.159	5.177	5.195	5.212	5.229	5.245	5.260	5.275	5.289	5.302	5.315	5.327	5.339	5.350	5.360	5.370
45.00 A	97083	99746	102447	105189	107972	110798	113667	116580	119540	122546	125601	128706	131861	135069	138331	141648
B	5.154	5.172	5.190	5.208	5.224	5.241	5.256	5.271	5.285	5.299	5.312	5.324	5.336	5.347	5.358	5.368
45.25 A	96427	99079	101771	104502	107275	110090	112949	115852	118801	121797	124841	127935	131080	134277	137528	140834
B	5.148	5.167	5.186	5.203	5.220	5.236	5.252	5.267	5.282	5.296	5.309	5.321	5.333	5.345	5.356	5.366
45.50 A	95773	98416	101097	103818	106581	109386	112234	115127	118065	121051	124084	127167	130301	133487	136727	140023
B	5.143	5.162	5.181	5.198	5.216	5.232	5.248	5.263	5.278	5.292	5.306	5.318	5.331	5.342	5.353	5.364
45.75 A	95122	97755	100426	103137	105890	108684	111522	114405	117332	120307	123330	126402	129525	132701	135930	139214
B	5.138	5.157	5.176	5.194	5.211	5.228	5.244	5.260	5.274	5.289	5.302	5.315	5.328	5.340	5.351	5.361

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP \cdot B)$
 DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540
46.00 A	94474	97097	99758	102459	105201	107986	110813	113685	116602	119566	122578	125640	128752	131917	135135	138408
B	5.133	5.152	5.171	5.189	5.207	5.224	5.240	5.256	5.271	5.285	5.299	5.312	5.325	5.337	5.349	5.359
46.25 A	93829	96442	99093	101784	104516	107290	110107	112968	115875	118828	121829	124880	127982	131135	134343	137605
B	5.127	5.147	5.166	5.184	5.202	5.219	5.236	5.252	5.267	5.282	5.296	5.309	5.322	5.334	5.346	5.357
46.50 A	93187	95789	98430	101111	103833	106596	109403	112254	115150	118093	121083	124123	127214	130357	133553	136804
B	5.122	5.142	5.161	5.180	5.198	5.215	5.232	5.248	5.263	5.278	5.293	5.306	5.319	5.332	5.344	5.355
46.75 A	92547	95140	97771	100441	103153	105906	108702	111542	114428	117360	120340	123369	126449	129581	132766	136007
B	5.117	5.137	5.156	5.175	5.193	5.211	5.228	5.244	5.260	5.275	5.289	5.303	5.316	5.329	5.341	5.353
47.00 A	91911	94493	97114	99774	102475	105218	108004	110834	113709	116630	119599	122618	125687	128808	131982	135211
B	5.111	5.131	5.151	5.170	5.188	5.206	5.223	5.240	5.256	5.271	5.286	5.300	5.314	5.326	5.339	5.350
47.25 A	91277	93849	96460	99110	101801	104533	107308	110128	112992	115903	118861	121869	124927	128037	131201	134419
B	5.106	5.126	5.146	5.165	5.184	5.202	5.219	5.236	5.252	5.268	5.283	5.297	5.311	5.324	5.336	5.348
47.50 A	90646	93208	95809	98449	101129	103851	106616	109425	112278	115178	118126	121123	124170	127269	130422	133629
B	5.100	5.121	5.141	5.160	5.179	5.197	5.215	5.232	5.248	5.264	5.279	5.294	5.308	5.321	5.334	5.346
47.75 A	90018	92570	95160	97790	100460	103172	105926	108724	111567	114457	117394	120380	123416	126504	129646	132842
B	5.095	5.116	5.136	5.155	5.174	5.193	5.211	5.228	5.244	5.260	5.276	5.291	5.305	5.318	5.331	5.343
48.00 A	89392	91934	94515	97134	99794	102495	105239	108027	110859	113738	116664	119639	122665	125742	128872	132058
B	5.089	5.110	5.131	5.151	5.170	5.188	5.206	5.224	5.241	5.257	5.272	5.287	5.302	5.315	5.328	5.341
48.25 A	88770	91302	93872	96481	99131	101822	104555	107332	110154	113022	115937	118902	121916	124982	128102	131276
B	5.084	5.105	5.126	5.146	5.165	5.184	5.202	5.220	5.237	5.253	5.269	5.284	5.299	5.313	5.326	5.339
48.50 A	88150	90672	93232	95831	98470	101151	103874	106640	109451	112309	115213	118167	121170	124226	127334	130497
B	5.078	5.100	5.120	5.141	5.160	5.179	5.198	5.216	5.233	5.249	5.265	5.281	5.296	5.310	5.323	5.336
48.75 A	87534	90045	92595	95184	97813	100483	103195	105951	108751	111598	114492	117434	120427	123471	126569	129721
B	5.073	5.094	5.115	5.136	5.156	5.175	5.193	5.211	5.229	5.246	5.262	5.277	5.292	5.307	5.321	5.334
49.00 A	86920	89421	91961	94539	97158	99817	102519	105264	108054	110890	113773	116705	119687	122720	125806	128947
B	5.067	5.089	5.110	5.131	5.151	5.170	5.189	5.207	5.225	5.242	5.258	5.274	5.289	5.304	5.318	5.331
49.25 A	86309	88800	91330	93898	96506	99155	101846	104581	107360	110185	113057	115978	118949	121971	125046	128176
B	5.061	5.083	5.105	5.126	5.146	5.166	5.185	5.203	5.221	5.238	5.255	5.271	5.286	5.301	5.315	5.329
49.50 A	85700	88182	90701	93259	95857	98495	101176	103900	106669	109483	112344	115254	118214	121225	124289	127408
B	5.056	5.078	5.100	5.121	5.141	5.161	5.180	5.199	5.217	5.234	5.251	5.267	5.283	5.298	5.312	5.326
49.75 A	85095	87566	90075	92623	95210	97839	100509	103222	105980	108783	111634	114533	117482	120482	123535	126643
B	5.050	5.072	5.094	5.116	5.136	5.156	5.176	5.195	5.213	5.231	5.248	5.264	5.280	5.295	5.310	5.324

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C										F=1/(A+DP*B) CUBIC METRE					
	510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540
50.00 A	84492	86954	89453	91990	94567	97185	99844	102547	105294	108087	110926	113814	116752	119741	122783	125880
50.00 B	5.044	5.067	5.089	5.111	5.131	5.152	5.171	5.190	5.209	5.227	5.244	5.261	5.277	5.292	5.307	5.321
50.25 A	83893	86344	88833	91360	93926	96533	99182	101874	104611	107393	110222	113099	116026	119004	122035	125120
50.25 B	5.039	5.061	5.084	5.105	5.126	5.147	5.167	5.186	5.205	5.223	5.240	5.257	5.273	5.289	5.304	5.319
50.50 A	83296	85737	88215	90732	93288	95885	98523	101205	103930	106702	109519	112386	115302	118269	121288	124362
50.50 B	5.033	5.056	5.078	5.100	5.122	5.142	5.162	5.182	5.201	5.219	5.237	5.254	5.270	5.286	5.301	5.316
50.75 A	82702	85133	87601	90107	92653	95239	97867	100538	103253	106013	108820	111675	114580	117536	120545	123608
50.75 B	5.027	5.050	5.073	5.095	5.117	5.137	5.158	5.177	5.197	5.215	5.233	5.250	5.267	5.283	5.298	5.313
51.00 A	82111	84532	86990	89486	92021	94597	97214	99874	102578	105328	108124	110968	113862	116807	119804	122856
51.00 B	5.021	5.045	5.068	5.090	5.112	5.133	5.153	5.173	5.192	5.211	5.229	5.247	5.264	5.280	5.296	5.311
51.25 A	81523	83934	86381	88867	91392	93957	96563	99213	101906	104645	107430	110263	113146	116080	119066	122107
51.25 B	5.015	5.039	5.062	5.085	5.107	5.128	5.149	5.169	5.188	5.207	5.225	5.243	5.260	5.277	5.293	5.308
51.50 A	80938	83338	85775	88251	90765	93320	95916	98554	101237	103965	106739	109561	112433	115356	118331	121360
51.50 B	5.010	5.033	5.057	5.079	5.102	5.123	5.144	5.164	5.184	5.203	5.222	5.240	5.257	5.274	5.290	5.305
51.75 A	80355	82745	85172	87637	90141	92685	95271	97899	100571	103288	106051	108862	111723	114634	117598	120616
51.75 B	5.004	5.028	5.051	5.074	5.096	5.118	5.139	5.160	5.180	5.199	5.218	5.236	5.253	5.270	5.287	5.302
52.00 A	79776	82156	84572	87027	89521	92054	94629	97246	99907	102613	105366	108166	111015	113916	116869	119875
52.00 B	4.998	5.022	5.046	5.069	5.091	5.113	5.135	5.155	5.175	5.195	5.214	5.232	5.250	5.267	5.284	5.300
52.25 A	79199	81569	83975	86419	88903	91425	93990	96596	99246	101941	104683	107472	110311	113200	116142	119137
52.25 B	4.992	5.016	5.040	5.064	5.086	5.108	5.130	5.151	5.171	5.191	5.210	5.229	5.247	5.264	5.281	5.297
52.50 A	78625	80985	83381	85815	88287	90800	93353	95949	98588	101273	104003	106781	109609	112487	115417	118401
52.50 B	4.986	5.011	5.035	5.058	5.081	5.103	5.125	5.146	5.167	5.187	5.206	5.225	5.243	5.261	5.278	5.294
52.75 A	78054	80404	82790	85213	87675	90177	92720	95305	97933	100607	103326	106093	108910	111776	114696	117669
52.75 B	4.980	5.005	5.029	5.053	5.076	5.099	5.120	5.142	5.163	5.183	5.202	5.221	5.240	5.257	5.275	5.291
53.00 A	77486	79826	82201	84614	87066	89557	92089	94663	97281	99943	102652	105408	108213	111069	113977	116938
53.00 B	4.974	4.999	5.024	5.047	5.071	5.094	5.116	5.137	5.158	5.179	5.198	5.218	5.236	5.254	5.272	5.288
53.25 A	76921	79250	81615	84018	86459	88940	91461	94024	96631	99283	101980	104725	107519	110364	113261	116211
53.25 B	4.968	4.993	5.018	5.042	5.066	5.089	5.111	5.133	5.154	5.174	5.194	5.214	5.233	5.251	5.268	5.285
53.50 A	76359	78678	81033	83425	85855	88325	90836	93389	95985	98625	101312	104046	106829	109662	112547	115486
53.50 B	4.962	4.987	5.012	5.037	5.060	5.084	5.106	5.128	5.149	5.170	5.190	5.210	5.229	5.247	5.265	5.283
53.75 A	75800	78108	80453	82834	85254	87714	90214	92756	95341	97970	100646	103369	106140	108963	111837	114764
53.75 B	4.956	4.981	5.007	5.031	5.055	5.079	5.101	5.123	5.145	5.166	5.186	5.206	5.225	5.244	5.262	5.280

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C										F=1/(A+DP*B) CUBIC METRE					
	510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540
58.00 A	66734	68867	71035	73237	75477	77754	80071	82428	84827	87268	89755	92288	94868	97498	100179	102912
B	4.849	4.878	4.907	4.935	4.962	4.989	5.015	5.041	5.066	5.091	5.115	5.138	5.161	5.183	5.205	5.226
58.25 A	66227	68350	70507	72699	74928	77194	79500	81846	84234	86664	89140	91661	94230	96849	99518	102239
B	4.842	4.872	4.901	4.929	4.956	4.983	5.010	5.036	5.061	5.086	5.110	5.134	5.157	5.179	5.201	5.223
58.50 A	65723	67835	69982	72163	74381	76637	78932	81267	83643	86063	88527	91037	93595	96202	98860	101570
B	4.836	4.865	4.894	4.923	4.951	4.978	5.005	5.031	5.056	5.081	5.106	5.130	5.153	5.176	5.198	5.219
58.75 A	65222	67324	69460	71631	73838	76083	78367	80691	83056	85465	87918	90416	92963	95558	98204	100903
B	4.829	4.859	4.888	4.917	4.945	4.972	4.999	5.026	5.051	5.077	5.101	5.125	5.149	5.172	5.194	5.216
59.00 A	64724	66815	68940	71101	73297	75531	77804	80117	82472	84869	87311	89798	92333	94917	97552	100239
B	4.823	4.853	4.882	4.911	4.939	4.967	4.994	5.021	5.047	5.072	5.097	5.121	5.145	5.168	5.190	5.212
59.25 A	64229	66309	68424	70574	72760	74983	77245	79547	81890	84276	86707	89183	91707	94279	96902	99578
B	4.816	4.846	4.876	4.905	4.933	4.961	4.989	5.015	5.042	5.067	5.092	5.117	5.141	5.164	5.187	5.209
59.50 A	63736	65807	67911	70050	72225	74437	76688	78979	81312	83687	86106	88571	91083	93644	96255	98919
B	4.809	4.840	4.870	4.899	4.928	4.956	4.983	5.010	5.037	5.062	5.088	5.112	5.136	5.160	5.183	5.205
59.75 A	63247	65307	67400	69529	71693	73895	76135	78415	80736	83100	85507	87961	90462	93011	95611	98263
B	4.803	4.833	4.863	4.893	4.922	4.950	4.978	5.005	5.032	5.058	5.083	5.108	5.132	5.156	5.179	5.202
60.00 A	62760	64810	66893	69010	71164	73355	75584	77853	80163	82515	84912	87354	89843	92381	94970	97610
B	4.796	4.827	4.857	4.887	4.916	4.944	4.972	5.000	5.027	5.053	5.078	5.104	5.128	5.152	5.175	5.198

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+DP*B)									
	542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572				
-46.00 A	608205	614968	621792	628679	635628	642640	649717	656857	664063	671335	678674	686079	693553	701096	708708	716390				
-46.00 B	4.442	4.372	4.301	4.229	4.156	4.083	4.008	3.933	3.856	3.779	3.701	3.622	3.542	3.461	3.379	3.297				
-45.75 A	606525	613281	620098	626977	633919	640923	647992	655126	662324	669589	676920	684318	691785	699320	706925	714601				
-45.75 B	4.449	4.379	4.308	4.237	4.164	4.091	4.016	3.941	3.865	3.788	3.710	3.631	3.552	3.471	3.389	3.307				
-45.50 A	604848	611596	618406	625277	632211	639209	646270	653396	660587	667844	675168	682559	690018	697547	705145	712813				
-45.50 B	4.456	4.386	4.316	4.244	4.172	4.099	4.025	3.950	3.874	3.797	3.719	3.641	3.561	3.481	3.400	3.317				
-45.25 A	603173	609913	616715	623579	630506	637496	644549	651668	658852	666102	673418	680802	688254	695775	703366	711027				
-45.25 B	4.463	4.393	4.323	4.252	4.180	4.107	4.033	3.958	3.883	3.806	3.729	3.650	3.571	3.491	3.410	3.328				
-45.00 A	601500	608233	615027	621883	628802	635785	642831	649942	657119	664361	671670	679047	686492	694005	701589	709243				
-45.00 B	4.469	4.400	4.330	4.259	4.188	4.115	4.041	3.967	3.891	3.815	3.738	3.660	3.580	3.501	3.420	3.338				
-44.75 A	599829	606554	613341	620189	627101	634076	641115	648218	655387	662622	669924	677293	684731	692238	699814	707461				
-44.75 B	4.476	4.407	4.338	4.267	4.195	4.123	4.050	3.975	3.900	3.824	3.747	3.669	3.590	3.510	3.430	3.348				
-44.50 A	598160	604878	611656	618498	625402	632369	639400	646496	653658	660886	668180	675542	682973	690472	698041	705681				
-44.50 B	4.483	4.415	4.345	4.275	4.203	4.131	4.058	3.984	3.909	3.833	3.756	3.678	3.600	3.520	3.440	3.358				
-44.25 A	596493	603203	609974	616808	623704	630664	637688	644777	651931	659151	666438	673793	681216	688708	696270	703903				
-44.25 B	4.490	4.422	4.352	4.282	4.211	4.139	4.066	3.992	3.917	3.842	3.765	3.687	3.609	3.530	3.450	3.369				
-44.00 A	594828	601530	608294	615120	622009	628961	635977	643059	650205	657418	664698	672045	679461	686946	694501	702127				
-44.00 B	4.497	4.429	4.360	4.290	4.219	4.147	4.074	4.000	3.926	3.850	3.774	3.697	3.619	3.540	3.460	3.379				
-43.75 A	593166	599860	606616	613434	620315	627260	634269	641343	648482	655687	662960	670300	677709	685186	692734	700353				
-43.75 B	4.504	4.436	4.367	4.297	4.226	4.155	4.082	4.009	3.934	3.859	3.783	3.706	3.628	3.549	3.469	3.389				
-43.50 A	591505	598191	604940	611751	618624	625561	632563	639629	646761	653959	661224	668556	675958	683428	690969	698581				
-43.50 B	4.511	4.443	4.374	4.304	4.234	4.163	4.090	4.017	3.943	3.868	3.792	3.715	3.637	3.559	3.479	3.399				
-43.25 A	589846	596525	603266	610069	616935	623864	630858	637917	645041	652232	659490	666815	674209	681672	689206	696810				
-43.25 B	4.517	4.450	4.381	4.312	4.242	4.170	4.098	4.025	3.951	3.877	3.801	3.724	3.647	3.568	3.489	3.409				
-43.00 A	588189	594861	601594	608389	615248	622170	629156	636207	643324	650507	657757	665075	672462	679918	687445	695042				
-43.00 B	4.524	4.457	4.388	4.319	4.249	4.178	4.106	4.034	3.960	3.885	3.810	3.734	3.656	3.578	3.499	3.419				
-42.75 A	586535	593198	599924	606711	613562	620477	627455	634499	641608	648784	656027	663338	670717	678166	685685	693275				
-42.75 B	4.531	4.464	4.396	4.327	4.257	4.186	4.114	4.042	3.968	3.894	3.819	3.743	3.666	3.588	3.509	3.429				
-42.50 A	584882	591538	598256	605036	611879	618786	625757	632793	639895	647063	654299	661602	668974	676416	683928	691511				
-42.50 B	4.537	4.471	4.403	4.334	4.264	4.194	4.122	4.050	3.977	3.903	3.828	3.752	3.675	3.597	3.519	3.439				
-42.25 A	583231	589880	596590	603362	610198	617097	624061	631089	638184	645344	652573	659869	667233	674668	682172	689748				
-42.25 B	4.544	4.477	4.410	4.341	4.272	4.202	4.130	4.058	3.985	3.911	3.837	3.761	3.684	3.607	3.528	3.449				

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+DP*B)									
		542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572				
-42.00	A	581583	588223	594926	601691	608519	615410	622366	629387	636474	643628	650848	658137	665494	672921	680419	687987				
	B	4.551	4.484	4.417	4.349	4.279	4.209	4.138	4.066	3.994	3.920	3.845	3.770	3.694	3.616	3.538	3.459				
-41.75	A	579936	586569	593264	600021	606841	613725	620674	627687	634767	641913	649126	656407	663757	671177	678667	686229				
	B	4.557	4.491	4.424	4.356	4.287	4.217	4.146	4.075	4.002	3.929	3.854	3.779	3.703	3.626	3.548	3.469				
-41.50	A	578292	584917	591604	598354	605166	612043	618984	625990	633061	640200	647406	654679	662022	669435	676917	684472				
	B	4.564	4.498	4.431	4.363	4.294	4.225	4.154	4.083	4.010	3.937	3.863	3.788	3.712	3.635	3.558	3.479				
-41.25	A	576650	583267	589946	596688	603493	610362	617295	624294	631358	638489	645687	652954	660289	667694	675170	682717				
	B	4.571	4.505	4.438	4.370	4.302	4.232	4.162	4.091	4.019	3.946	3.872	3.797	3.721	3.645	3.567	3.489				
-41.00	A	575009	581619	588291	595025	601822	608683	615609	622600	629657	636780	643971	651230	658558	665956	673424	680964				
	B	4.577	4.511	4.445	4.377	4.309	4.240	4.170	4.099	4.027	3.954	3.880	3.806	3.730	3.654	3.577	3.499				
-40.75	A	573371	579973	586637	593363	600153	607007	613925	620908	627957	635073	642256	649508	656829	664219	671680	679213				
	B	4.584	4.518	4.452	4.385	4.317	4.248	4.178	4.107	4.035	3.963	3.889	3.815	3.740	3.663	3.586	3.509				
-40.50	A	571735	578329	584985	591704	598486	605332	612242	619218	626260	633368	640544	647788	655101	662485	669938	677464				
	B	4.590	4.525	4.459	4.392	4.324	4.255	4.185	4.115	4.043	3.971	3.898	3.824	3.749	3.673	3.596	3.518				
-40.25	A	570101	576687	583336	590047	596821	603659	610562	617530	624564	631665	638834	646070	653376	660752	668199	675717				
	B	4.597	4.532	4.466	4.399	4.331	4.263	4.193	4.123	4.052	3.980	3.907	3.833	3.758	3.682	3.606	3.528				
-40.00	A	568469	575048	581688	588392	595158	601989	608884	615844	622871	629964	637125	644354	651653	659021	666461	673972				
	B	4.603	4.538	4.473	4.406	4.339	4.270	4.201	4.131	4.060	3.988	3.915	3.842	3.767	3.692	3.615	3.538				
-39.75	A	566839	573410	580043	586738	593497	600320	607208	614160	621179	628265	635419	642641	649932	657293	664725	672228				
	B	4.609	4.545	4.479	4.413	4.346	4.278	4.209	4.139	4.068	3.996	3.924	3.850	3.776	3.701	3.625	3.548				
-39.50	A	565211	571774	578399	585087	591838	598654	605533	612479	619490	626568	633714	640929	648212	655566	662991	670487				
	B	4.616	4.551	4.486	4.420	4.353	4.285	4.216	4.147	4.076	4.005	3.932	3.859	3.785	3.710	3.634	3.557				
-39.25	A	563585	570141	576758	583438	590182	596989	603861	610799	617803	624873	632012	639219	646495	653841	661259	668748				
	B	4.622	4.558	4.493	4.427	4.360	4.293	4.224	4.155	4.084	4.013	3.941	3.868	3.794	3.719	3.644	3.567				
-39.00	A	561962	568509	575119	581791	588527	595327	602191	609121	616117	623181	630311	637511	644780	652119	659529	667011				
	B	4.629	4.565	4.500	4.434	4.368	4.300	4.232	4.163	4.092	4.021	3.950	3.877	3.803	3.729	3.653	3.577				
-38.75	A	560340	566880	573482	580146	586874	593666	600523	607445	614434	621490	628613	635805	643066	650398	657801	665275				
	B	4.635	4.571	4.507	4.441	4.375	4.308	4.239	4.170	4.100	4.030	3.958	3.885	3.812	3.738	3.663	3.586				
-38.50	A	558720	565252	571846	578503	585223	592008	598857	605772	612753	619801	626917	634101	641355	648679	656074	663542				
	B	4.641	4.578	4.513	4.448	4.382	4.315	4.247	4.178	4.109	4.038	3.967	3.894	3.821	3.747	3.672	3.596				
-38.25	A	557103	563627	570213	576862	583575	590351	597193	604100	611073	618114	625222	632399	639645	646962	654350	661810				
	B	4.647	4.584	4.520	4.455	4.389	4.322	4.255	4.186	4.117	4.046	3.975	3.903	3.830	3.756	3.681	3.606				

COMPRESSION FACTOR PER KILOGRAM PER CUBIC METRE
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE
F=1/(A+DP*B)

TEMP DEG C	542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572
-38.00 A	555487	562004	568582	575224	581928	588697	595531	602430	609396	616429	623530	630699	637938	645247	652628	660081
-38.00 B	4.654	4.591	4.527	4.462	4.396	4.330	4.262	4.194	4.125	4.054	3.983	3.912	3.839	3.765	3.691	3.615
-37.75 A	553874	560383	566953	573587	580284	587045	593871	600763	607721	614746	621839	629001	636233	643535	650908	658353
-37.75 B	4.660	4.597	4.533	4.469	4.403	4.337	4.270	4.202	4.133	4.063	3.992	3.920	3.848	3.774	3.700	3.625
-37.50 A	552263	558764	565326	571952	578641	585395	592213	599097	606048	613065	620151	627305	634529	641824	649190	656628
-37.50 B	4.666	4.604	4.540	4.476	4.410	4.344	4.277	4.209	4.140	4.071	4.000	3.929	3.857	3.783	3.709	3.634
-37.25 A	550654	557147	563702	570319	577001	583747	590557	597434	604376	611386	618464	625611	632828	640115	647473	654904
-37.25 B	4.672	4.610	4.547	4.482	4.417	4.351	4.285	4.217	4.148	4.079	4.009	3.937	3.865	3.792	3.719	3.644
-37.00 A	549047	555532	562079	568689	575363	582100	588903	595772	602707	609710	616780	623919	631128	638408	645759	653182
-37.00 B	4.678	4.616	4.553	4.489	4.424	4.359	4.292	4.225	4.156	4.087	4.017	3.946	3.874	3.801	3.728	3.653
-36.75 A	547442	553919	560458	567060	573726	580456	587252	594113	601040	608035	615098	622229	629431	636703	644047	651463
-36.75 B	4.685	4.623	4.560	4.496	4.431	4.366	4.300	4.232	4.164	4.095	4.025	3.955	3.883	3.810	3.737	3.663
-36.50 A	545839	552308	558840	565434	572092	578814	585602	592455	599375	606362	613417	620541	627735	635000	642336	649745
-36.50 B	4.691	4.629	4.566	4.503	4.438	4.373	4.307	4.240	4.172	4.103	4.034	3.963	3.892	3.819	3.746	3.672
-36.25 A	544238	550699	557223	563810	570460	577175	583954	590800	597712	604691	611739	618855	626042	633299	640628	648029
-36.25 B	4.697	4.635	4.573	4.510	4.445	4.380	4.314	4.248	4.180	4.111	4.042	3.972	3.900	3.828	3.755	3.682
-36.00 A	542639	549093	555609	562187	568830	575537	582309	589146	596051	603023	610063	617172	624350	631600	638921	646315
-36.00 B	4.703	4.641	4.579	4.516	4.452	4.387	4.322	4.255	4.188	4.119	4.050	3.980	3.909	3.837	3.765	3.691
-35.75 A	541043	547488	553996	560567	567202	573901	580665	587495	594392	601356	608388	615490	622661	629903	637217	644604
-35.75 B	4.709	4.648	4.586	4.523	4.459	4.395	4.329	4.263	4.195	4.127	4.058	3.989	3.918	3.846	3.774	3.700
-35.50 A	539448	545886	552386	558949	565576	572267	579023	585846	592735	599691	606716	613810	620974	628208	635515	642894
-35.50 B	4.715	4.654	4.592	4.530	4.466	4.402	4.336	4.270	4.203	4.135	4.067	3.997	3.926	3.855	3.783	3.710
-35.25 A	537856	544286	550778	557333	563952	570635	577384	584199	591080	598029	605046	612132	619288	626515	633814	641186
-35.25 B	4.721	4.660	4.599	4.536	4.473	4.409	4.344	4.278	4.211	4.143	4.075	4.005	3.935	3.864	3.792	3.719
-35.00 A	536266	542688	549172	555719	562330	569006	575747	582553	589427	596368	603377	610456	617605	624824	632116	639480
-35.00 B	4.727	4.666	4.605	4.543	4.480	4.416	4.351	4.285	4.219	4.151	4.083	4.014	3.944	3.873	3.801	3.728
-34.75 A	534678	541091	547568	554107	560710	567378	574111	580910	587776	594709	601711	608782	615923	623135	630419	637776
-34.75 B	4.733	4.672	4.611	4.549	4.487	4.423	4.358	4.293	4.226	4.159	4.091	4.022	3.952	3.882	3.810	3.737
-34.50 A	533091	539497	545966	552497	559093	565753	572478	579269	586127	593053	600047	607110	614244	621448	628725	636074
-34.50 B	4.739	4.679	4.618	4.556	4.493	4.430	4.365	4.300	4.234	4.167	4.099	4.030	3.961	3.890	3.819	3.747
-34.25 A	531507	537906	544366	550890	557477	564129	570847	577630	584480	591398	598385	605440	612566	619763	627032	634374
-34.25 B	4.744	4.685	4.624	4.562	4.500	4.437	4.373	4.308	4.242	4.175	4.107	4.039	3.969	3.899	3.828	3.756

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C										F=1/(A+DP*B) CUBIC METRE									
	542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572				
-34.00 A	529926	536316	542768	549284	555864	562508	569217	575993	582836	589746	596725	603773	610891	618080	625342	632676				
-34.00 B	4.750	4.691	4.630	4.569	4.507	4.444	4.380	4.315	4.249	4.183	4.115	4.047	3.978	3.908	3.837	3.765				
-33.75 A	528346	534728	541173	547681	554252	560889	567590	574358	581193	588095	595066	602107	609218	616399	623653	630980				
-33.75 B	4.756	4.697	4.637	4.575	4.513	4.451	4.387	4.322	4.257	4.191	4.123	4.055	3.986	3.916	3.846	3.774				
-33.50 A	526768	533142	539579	546079	552643	559271	565965	572725	579552	586447	593410	600443	607546	614720	621967	629286				
-33.50 B	4.762	4.703	4.643	4.582	4.520	4.458	4.394	4.330	4.264	4.198	4.131	4.063	3.995	3.925	3.855	3.783				
-33.25 A	525193	531559	537988	544480	551036	557656	564342	571095	577914	584801	591756	598781	605877	613044	620282	627595				
-33.25 B	4.768	4.709	4.649	4.588	4.527	4.464	4.401	4.337	4.272	4.206	4.139	4.072	4.003	3.934	3.864	3.792				
-33.00 A	523619	529978	536398	542883	549431	556043	562721	569466	576277	583156	590104	597122	604209	611369	618600	625905				
-33.00 B	4.774	4.715	4.655	4.595	4.533	4.471	4.408	4.344	4.279	4.214	4.147	4.080	4.012	3.942	3.872	3.802				
-32.75 A	522048	528398	534811	541287	547828	554432	561103	567839	574643	581514	588454	595464	602544	609696	616919	624217				
-32.75 B	4.779	4.721	4.661	4.601	4.540	4.478	4.415	4.352	4.287	4.221	4.155	4.088	4.020	3.951	3.881	3.811				
-32.50 A	520479	526821	533226	539694	546227	552823	559486	566215	573010	579874	586806	593808	600881	608025	615241	622531				
-32.50 B	4.785	4.727	4.668	4.608	4.547	4.485	4.422	4.359	4.294	4.229	4.163	4.096	4.028	3.960	3.890	3.820				
-32.25 A	518912	525246	531643	538103	544628	551217	557871	564592	571380	578236	585160	592155	599220	606356	613565	620847				
-32.25 B	4.791	4.733	4.674	4.614	4.553	4.492	4.429	4.366	4.302	4.237	4.171	4.104	4.037	3.968	3.899	3.829				
-32.00 A	517347	523673	530062	536515	543031	549612	556259	562971	569752	576600	583517	590503	597560	604689	611890	619165				
-32.00 B	4.796	4.738	4.680	4.620	4.560	4.498	4.436	4.373	4.309	4.244	4.179	4.112	4.045	3.977	3.908	3.838				
-31.75 A	515784	522103	528483	534928	541436	548009	554648	561353	568125	574966	581875	588854	595903	603024	610218	617485				
-31.75 B	4.802	4.744	4.686	4.626	4.566	4.505	4.443	4.380	4.317	4.252	4.187	4.120	4.053	3.985	3.916	3.847				
-31.50 A	514224	520534	526907	533343	539844	546409	553040	559737	566501	573334	580235	587206	594248	601361	608547	615807				
-31.50 B	4.808	4.750	4.692	4.633	4.573	4.512	4.450	4.387	4.324	4.260	4.194	4.128	4.062	3.994	3.925	3.856				
-31.25 A	512665	518967	525332	531761	538253	544810	551433	558122	564879	571704	578597	585561	592595	599700	606879	614131				
-31.25 B	4.813	4.756	4.698	4.639	4.579	4.518	4.457	4.395	4.331	4.267	4.202	4.136	4.070	4.002	3.934	3.864				
-31.00 A	511109	517403	523760	530180	536665	543214	549829	556510	563259	570076	576962	583917	590944	598042	605212	612457				
-31.00 B	4.819	4.762	4.704	4.645	4.586	4.525	4.464	4.402	4.339	4.275	4.210	4.144	4.078	4.011	3.942	3.873				
-30.75 A	509554	515841	522190	528602	535078	541620	548227	554900	561641	568450	575328	582276	589294	596385	603548	610785				
-30.75 B	4.824	4.768	4.710	4.651	4.592	4.532	4.471	4.409	4.346	4.282	4.218	4.152	4.086	4.019	3.951	3.882				
-30.50 A	508002	514280	520621	527026	533494	540027	546627	553292	560025	566826	573696	580636	587647	594730	601885	609115				
-30.50 B	4.830	4.773	4.716	4.658	4.598	4.538	4.478	4.416	4.353	4.290	4.225	4.160	4.094	4.027	3.960	3.891				
-30.25 A	506452	512722	519055	525452	531912	538437	545029	551686	558411	565204	572067	578999	586002	593077	600225	607447				
-30.25 B	4.835	4.779	4.722	4.664	4.605	4.545	4.484	4.423	4.360	4.297	4.233	4.168	4.102	4.036	3.968	3.900				

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572	
-30.00 A	504904	511166	517491	523880	530332	536849	543433	550082	556799	563585	570439	577364	584359	591427	598567	605781	
B	4.841	4.785	4.728	4.670	4.611	4.552	4.491	4.430	4.368	4.305	4.241	4.176	4.111	4.044	3.977	3.909	
-29.75 A	503359	509613	515929	522310	528754	535264	541839	548481	555190	561967	568814	575731	582718	589778	596910	604117	
B	4.846	4.790	4.734	4.676	4.617	4.558	4.498	4.437	4.375	4.312	4.248	4.184	4.119	4.052	3.985	3.917	
-29.50 A	501815	508061	514370	520742	527178	533680	540247	546881	553582	560352	567191	574099	581079	588131	595256	602455	
B	4.852	4.796	4.739	4.682	4.624	4.565	4.505	4.444	4.382	4.319	4.256	4.192	4.127	4.061	3.994	3.926	
-29.25 A	500274	506512	512812	519176	525605	532098	538657	545283	551977	558738	565569	572470	579443	586487	593604	600795	
B	4.857	4.802	4.745	4.688	4.630	4.571	4.511	4.451	4.389	4.327	4.264	4.200	4.135	4.069	4.002	3.935	
-29.00 A	498734	504964	511257	517613	524033	530519	537070	543688	550373	557127	563950	570843	577808	584844	591954	599137	
B	4.862	4.807	4.751	4.694	4.636	4.577	4.518	4.458	4.396	4.334	4.271	4.207	4.143	4.077	4.011	3.944	
-28.75 A	497197	503419	509703	516051	522464	528941	535484	542094	548772	555518	562333	569218	576175	583204	590305	597481	
B	4.868	4.813	4.757	4.700	4.642	4.584	4.525	4.464	4.403	4.342	4.279	4.215	4.151	4.085	4.019	3.952	
-28.50 A	495662	501876	508152	514492	520896	527366	533901	540503	547172	553910	560718	567595	574544	581565	588659	595827	
B	4.873	4.818	4.763	4.706	4.649	4.590	4.531	4.471	4.410	4.349	4.286	4.223	4.159	4.094	4.028	3.961	
-28.25 A	494129	500335	506603	512935	519331	525792	532320	538914	545575	552305	559105	565974	572915	579929	587015	594175	
B	4.878	4.824	4.768	4.712	4.655	4.597	4.538	4.478	4.418	4.356	4.294	4.231	4.167	4.102	4.036	3.970	
-28.00 A	492599	498796	505056	511380	517768	524221	530741	537327	543980	550702	557494	564356	571289	578294	585373	592526	
B	4.884	4.829	4.774	4.718	4.661	4.603	4.544	4.485	4.425	4.363	4.301	4.238	4.175	4.110	4.044	3.978	
-27.75 A	491070	497259	503511	509827	516207	522652	529163	535741	542387	549101	555885	562739	569664	576662	583733	590878	
B	4.889	4.835	4.780	4.724	4.667	4.609	4.551	4.492	4.432	4.371	4.309	4.246	4.182	4.118	4.053	3.987	
-27.50 A	489544	495725	501969	508276	514648	521085	527589	534158	540796	547502	554278	561124	568042	575031	582095	589232	
B	4.894	4.840	4.785	4.730	4.673	4.616	4.558	4.498	4.439	4.378	4.316	4.254	4.190	4.126	4.061	3.995	
-27.25 A	488020	494193	500428	506728	513092	519521	526016	532578	539207	545906	552673	559512	566421	573403	580458	587588	
B	4.899	4.846	4.791	4.735	4.679	4.622	4.564	4.505	4.445	4.385	4.324	4.261	4.198	4.134	4.069	4.004	
-27.00 A	486498	492662	498890	505181	511537	517958	524445	530999	537621	544311	551071	557901	564803	571777	578824	585946	
B	4.904	4.851	4.797	4.741	4.685	4.628	4.571	4.512	4.452	4.392	4.331	4.269	4.206	4.142	4.078	4.012	
-26.75 A	484978	491134	497354	503637	509985	516397	522876	529422	536036	542718	549470	556292	563186	570153	577192	584307	
B	4.910	4.856	4.802	4.747	4.691	4.635	4.577	4.519	4.459	4.399	4.338	4.276	4.214	4.150	4.086	4.021	
-26.50 A	483460	489608	495820	502095	508434	514839	521310	527848	534453	541128	547872	554686	561572	568531	575563	582669	
B	4.915	4.862	4.808	4.753	4.697	4.641	4.583	4.525	4.466	4.406	4.346	4.284	4.222	4.158	4.094	4.029	
-26.25 A	481944	488085	494288	500555	506886	513283	519745	526275	532873	539539	546275	553082	559960	566910	573935	581033	
B	4.920	4.867	4.813	4.759	4.703	4.647	4.590	4.532	4.473	4.413	4.353	4.292	4.229	4.166	4.102	4.038	

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572	
-26.00 A	480431	486563	492758	499017	505340	511728	518183	524705	531294	537953	544681	551479	558350	565292	572309	579400	
B	4.925	4.872	4.819	4.764	4.709	4.653	4.596	4.538	4.480	4.420	4.360	4.299	4.237	4.174	4.111	4.046	
-25.75 A	478920	485044	491230	497481	503796	510176	516623	523137	529718	536368	543088	549879	556741	563676	570685	577768	
B	4.930	4.878	4.824	4.770	4.715	4.659	4.603	4.545	4.487	4.427	4.367	4.306	4.245	4.182	4.119	4.054	
-25.50 A	477411	483526	489705	495947	502254	508626	515065	521570	528144	534786	541498	548281	555135	562062	569063	576139	
B	4.935	4.883	4.830	4.776	4.721	4.665	4.609	4.552	4.493	4.434	4.375	4.314	4.252	4.190	4.127	4.063	
-25.25 A	475904	482011	488182	494416	500715	507079	513509	520006	526572	533206	539910	546685	553531	560451	567444	574511	
B	4.940	4.888	4.835	4.781	4.727	4.671	4.615	4.558	4.500	4.441	4.382	4.321	4.260	4.198	4.135	4.071	
-25.00 A	474399	480498	486660	492886	499177	505533	511955	518445	525002	531628	538324	545091	551929	558841	565826	572886	
B	4.945	4.893	4.841	4.787	4.733	4.678	4.621	4.565	4.507	4.448	4.389	4.329	4.268	4.206	4.143	4.079	
-24.75 A	472897	478988	485141	491359	497642	503989	510404	516885	523434	530052	536740	543499	550330	557233	564210	571262	
B	4.950	4.898	4.846	4.793	4.739	4.684	4.628	4.571	4.514	4.455	4.396	4.336	4.275	4.214	4.151	4.088	
-24.50 A	471396	477479	483625	489834	496108	502448	508854	515327	521868	528478	535158	541909	548732	555627	562597	569641	
B	4.955	4.903	4.851	4.798	4.744	4.690	4.634	4.578	4.520	4.462	4.403	4.343	4.283	4.221	4.159	4.096	
-24.25 A	469898	475972	482110	488311	494577	500909	507307	513772	520305	526907	533579	540321	547136	554024	560985	568022	
B	4.960	4.909	4.857	4.804	4.750	4.696	4.640	4.584	4.527	4.469	4.410	4.351	4.290	4.229	4.167	4.104	
-24.00 A	468402	474468	480597	486791	493048	499372	505761	512218	518743	525337	532001	538736	545542	552422	559376	566405	
B	4.965	4.914	4.862	4.809	4.756	4.702	4.646	4.590	4.534	4.476	4.417	4.358	4.298	4.237	4.175	4.112	
-23.75 A	466908	472966	479087	485272	491522	497837	504218	510667	517184	523769	530425	537152	543951	550823	557768	564789	
B	4.969	4.919	4.867	4.815	4.762	4.707	4.653	4.597	4.540	4.483	4.424	4.365	4.305	4.245	4.183	4.121	
-23.50 A	465417	471466	477579	483756	489997	496304	502677	509118	515626	522204	528852	535571	542361	549225	556163	563176	
B	4.974	4.924	4.872	4.820	4.767	4.713	4.659	4.603	4.547	4.490	4.432	4.373	4.313	4.252	4.191	4.129	
-23.25 A	463927	469968	476073	482241	488475	494773	501138	507571	514071	520641	527280	533991	540774	547630	554560	561565	
B	4.979	4.929	4.878	4.826	4.773	4.719	4.665	4.609	4.553	4.496	4.439	4.380	4.320	4.260	4.199	4.137	
-23.00 A	462440	468473	474569	480729	486954	493245	499602	506026	512518	519080	525711	532414	539189	546037	552959	559956	
B	4.984	4.934	4.883	4.831	4.779	4.725	4.671	4.616	4.560	4.503	4.446	4.387	4.328	4.268	4.207	4.145	
-22.75 A	460955	466980	473068	479219	485436	491718	498067	504483	510967	517521	524144	530839	537605	544445	551359	558349	
B	4.989	4.939	4.888	4.837	4.784	4.731	4.677	4.622	4.566	4.510	4.452	4.394	4.335	4.275	4.215	4.153	
-22.50 A	459472	465488	471568	477712	483920	490194	496534	502942	509418	515964	522579	529266	536024	542856	549762	556744	
B	4.993	4.944	4.893	4.842	4.790	4.737	4.683	4.628	4.573	4.517	4.459	4.401	4.343	4.283	4.222	4.161	
-22.25 A	457991	463999	470071	476206	482406	488672	495004	501404	507872	514409	521016	527694	534445	541269	548167	555141	
B	4.998	4.949	4.898	4.847	4.795	4.743	4.689	4.635	4.579	4.523	4.466	4.409	4.350	4.291	4.230	4.169	

TEMP DEG C	COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572	
-22.00 A	456513	462513	468576	474703	480894	487152	493476	499867	506327	512856	519455	526126	532868	539684	546574	553540	
-22.00 B	5.003	4.954	4.904	4.853	4.801	4.748	4.695	4.641	4.586	4.530	4.473	4.416	4.357	4.298	4.238	4.177	
-21.75 A	455036	461028	467083	473201	479385	485634	491950	498333	504785	511305	517896	524559	531293	538101	544984	551941	
-21.75 B	5.007	4.958	4.909	4.858	4.806	4.754	4.701	4.647	4.592	4.537	4.480	4.423	4.365	4.306	4.246	4.185	
-21.50 A	453562	459545	465592	471702	477878	484119	490426	496801	503244	509757	516340	522994	529721	536520	543395	550345	
-21.50 B	5.012	4.963	4.914	4.863	4.812	4.760	4.707	4.653	4.599	4.543	4.487	4.430	4.372	4.313	4.254	4.193	
-21.25 A	452090	458065	464103	470205	476372	482605	488904	495271	501706	508210	514785	521431	528150	534942	541808	548750	
-21.25 B	5.017	4.968	4.919	4.869	4.817	4.766	4.713	4.659	4.605	4.550	4.494	4.437	4.379	4.321	4.261	4.201	
-21.00 A	450621	456587	462617	468711	474869	481094	487385	493743	500170	506666	513233	519871	526581	533365	540223	547157	
-21.00 B	5.021	4.973	4.924	4.874	4.823	4.771	4.719	4.665	4.611	4.556	4.500	4.444	4.386	4.328	4.269	4.209	
-20.75 A	449153	455111	461133	467218	473368	479585	485867	492217	498636	505124	511683	518312	525015	531790	538641	545567	
-20.75 B	5.026	4.978	4.929	4.879	4.828	4.777	4.725	4.672	4.618	4.563	4.507	4.451	4.394	4.335	4.277	4.217	
-20.50 A	447688	453638	459651	465728	471870	478078	484352	490694	497104	503584	510134	516756	523450	530218	537060	543978	
-20.50 B	5.030	4.982	4.934	4.884	4.834	4.783	4.730	4.678	4.624	4.569	4.514	4.458	4.401	4.343	4.284	4.225	
-20.25 A	446225	452166	458171	464240	470373	476573	482839	489172	495575	502046	508588	515202	521888	528648	535482	542392	
-20.25 B	5.035	4.987	4.939	4.889	4.839	4.788	4.736	4.684	4.630	4.576	4.521	4.465	4.408	4.350	4.292	4.233	
-20.00 A	444764	450697	456693	462754	468879	475070	481328	487653	494047	500510	507044	513650	520328	527079	533906	540808	
-20.00 B	5.039	4.992	4.944	4.894	4.844	4.794	4.742	4.690	4.636	4.582	4.527	4.472	4.415	4.358	4.299	4.240	
-19.75 A	443305	449230	455218	461270	467387	473569	479819	486136	492522	498977	505502	512100	518770	525513	532331	539225	
-19.75 B	5.044	4.997	4.949	4.900	4.850	4.799	4.748	4.696	4.643	4.589	4.534	4.478	4.422	4.365	4.307	4.248	
-19.50 A	441849	447765	453744	459788	465897	472071	478312	484621	490998	497445	503963	510552	517214	523949	530759	537645	
-19.50 B	5.048	5.001	4.953	4.905	4.855	4.805	4.754	4.702	4.649	4.595	4.541	4.485	4.429	4.372	4.315	4.256	
-19.25 A	440394	446302	452273	458309	464409	470575	476808	483108	489477	495916	502425	509006	515660	522387	529189	536067	
-19.25 B	5.053	5.006	4.958	4.910	4.860	4.810	4.759	4.708	4.655	4.602	4.547	4.492	4.436	4.380	4.322	4.264	
-19.00 A	438942	444842	450805	456831	462923	469081	475305	481598	487958	494389	500890	507462	514108	520827	527621	534491	
-19.00 B	5.057	5.010	4.963	4.915	4.866	4.816	4.765	4.713	4.661	4.608	4.554	4.499	4.443	4.387	4.330	4.271	
-18.75 A	437492	443383	449338	455356	461440	467589	473805	480089	486442	492864	499356	505921	512558	519269	526055	532917	
-18.75 B	5.061	5.015	4.968	4.920	4.871	4.821	4.771	4.719	4.667	4.614	4.560	4.506	4.450	4.394	4.337	4.279	
-18.50 A	436045	441927	447873	453883	459959	466099	472307	478583	484927	491341	497825	504381	511011	517713	524491	531345	
-18.50 B	5.066	5.020	4.973	4.925	4.876	4.827	4.776	4.725	4.673	4.621	4.567	4.513	4.457	4.401	4.344	4.287	
-18.25 A	434599	440474	446411	452413	458479	464612	470811	477079	483414	489820	496296	502844	509465	516160	522930	529776	
-18.25 B	5.070	5.024	4.977	4.930	4.881	4.832	4.782	4.731	4.679	4.627	4.573	4.519	4.464	4.408	4.352	4.294	

Copyrighted Distribution

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+DP*B)									
	542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572				
-18.00 A	433156	439022	444951	450944	457003	463127	469318	475576	481904	488301	494769	501309	507922	514608	521370	528208				
B	5.074	5.029	4.982	4.935	4.886	4.837	4.788	4.737	4.685	4.633	4.580	4.526	4.471	4.416	4.359	4.302				
-17.75 A	431715	437573	443493	449478	455528	461644	467826	474077	480396	486785	493244	499776	506380	513059	519812	526642				
B	5.079	5.033	4.987	4.940	4.892	4.843	4.793	4.743	4.691	4.639	4.586	4.533	4.478	4.423	4.367	4.310				
-17.50 A	430277	436125	442038	448014	454055	460163	466337	472579	478890	485270	491722	498245	504841	511512	518257	525079				
B	5.083	5.038	4.991	4.945	4.897	4.848	4.799	4.748	4.697	4.646	4.593	4.539	4.485	4.430	4.374	4.317				
-17.25 A	428840	434680	440584	446552	452585	458684	464850	471083	477386	483758	490201	496716	503304	509966	516704	523517				
B	5.087	5.042	4.996	4.949	4.902	4.853	4.804	4.754	4.703	4.652	4.599	4.546	4.492	4.437	4.381	4.325				
-17.00 A	427406	433238	439133	445092	451117	457207	463365	469590	475884	482248	488683	495190	501769	508423	515152	521958				
B	5.091	5.046	5.001	4.954	4.907	4.859	4.810	4.760	4.709	4.658	4.606	4.553	4.499	4.444	4.389	4.332				
-16.75 A	425974	431797	437684	443635	449651	455733	461882	468099	474385	480740	487167	493665	500237	506882	513603	520401				
B	5.096	5.051	5.005	4.959	4.912	4.864	4.815	4.766	4.715	4.664	4.612	4.559	4.506	4.451	4.396	4.340				
-16.50 A	424544	430359	436237	442180	448187	454261	460401	466610	472887	479234	485652	492143	498706	505343	512056	518846				
B	5.100	5.055	5.010	4.964	4.917	4.869	4.821	4.771	4.721	4.670	4.618	4.566	4.512	4.458	4.403	4.347				
-16.25 A	423116	428923	434793	440727	446726	452791	458923	465123	471392	477731	484141	490622	497177	503807	510511	517292				
B	5.104	5.060	5.015	4.969	4.922	4.874	4.826	4.777	4.727	4.676	4.625	4.572	4.519	4.465	4.410	4.355				
-16.00 A	421691	427489	433350	439276	445266	451323	457447	463638	469899	476229	482631	489104	495651	502272	508968	515741				
B	5.108	5.064	5.019	4.973	4.927	4.880	4.832	4.783	4.733	4.682	4.631	4.579	4.526	4.472	4.417	4.362				
-15.75 A	420268	426057	431910	437827	443809	449857	455973	462156	468408	474730	481123	487588	494127	500739	507428	514193				
B	5.112	5.068	5.024	4.978	4.932	4.885	4.837	4.788	4.739	4.688	4.637	4.585	4.533	4.479	4.425	4.369				
-15.50 A	418847	424628	430472	436381	442354	448394	454501	460675	466919	473233	479617	486074	492605	499209	505889	512646				
B	5.116	5.072	5.028	4.983	4.937	4.890	4.842	4.794	4.745	4.694	4.644	4.592	4.539	4.486	4.432	4.377				
-15.25 A	417429	423201	429036	434936	440902	446933	453031	459197	465432	471738	478114	484563	491084	497681	504353	511101				
B	5.120	5.077	5.032	4.987	4.942	4.895	4.848	4.799	4.750	4.700	4.650	4.598	4.546	4.493	4.439	4.384				
-15.00 A	416012	421776	427603	433494	439451	445474	451563	457721	463948	470245	476613	483053	489567	496155	502818	509558				
B	5.124	5.081	5.037	4.992	4.947	4.900	4.853	4.805	4.756	4.706	4.656	4.605	4.553	4.500	4.446	4.392				
-14.75 A	414598	420353	426172	432055	438003	444017	450098	456247	462466	468754	475114	481546	488051	494630	501286	508018				
B	5.128	5.085	5.041	4.997	4.951	4.905	4.858	4.810	4.762	4.712	4.662	4.611	4.559	4.507	4.453	4.399				
-14.50 A	413186	418933	424743	430617	436557	442562	448635	454776	460986	467266	473617	480040	486537	493109	499756	506480				
B	5.132	5.089	5.046	5.001	4.956	4.910	4.863	4.816	4.767	4.718	4.668	4.617	4.566	4.513	4.460	4.406				
-14.25 A	411777	417515	423316	429182	435113	441110	447174	453306	459508	465779	472122	478537	485026	491589	498228	504943				
B	5.136	5.093	5.050	5.006	4.961	4.915	4.869	4.821	4.773	4.724	4.674	4.624	4.572	4.520	4.467	4.413				

TEMP DEG C	COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572	
-14.00 A	410369	416099	421891	427749	433671	439660	445715	451839	458032	464295	470630	477036	483516	490071	496702	503409	
B	5.140	5.098	5.054	5.010	4.966	4.920	4.874	4.827	4.779	4.730	4.680	4.630	4.579	4.527	4.474	4.421	
-13.75 A	408964	414685	420469	426318	432232	438212	444259	450374	456559	462813	469139	475537	482009	488556	495178	501877	
B	5.144	5.102	5.059	5.015	4.971	4.925	4.879	4.832	4.784	4.736	4.687	4.636	4.585	4.534	4.481	4.428	
-13.50 A	407561	413273	419049	424889	430794	436766	442804	448911	455087	461333	467651	474041	480504	487042	493656	500347	
B	5.148	5.106	5.063	5.020	4.975	4.930	4.884	4.838	4.790	4.742	4.693	4.643	4.592	4.540	4.488	4.435	
-13.25 A	406161	411864	417631	423463	429359	435322	441352	447451	453618	459856	466165	472546	479001	485531	492137	498819	
B	5.151	5.110	5.067	5.024	4.980	4.935	4.889	4.843	4.796	4.748	4.699	4.649	4.598	4.547	4.495	4.442	
-13.00 A	404762	410457	416216	422038	427927	433881	439902	445992	452151	458380	464681	471054	477500	484022	490619	497294	
B	5.155	5.114	5.072	5.028	4.985	4.940	4.895	4.848	4.801	4.753	4.705	4.655	4.605	4.554	4.502	4.449	
-12.75 A	403366	409052	414802	420617	426496	432442	438455	444536	450686	456907	463199	469563	476002	482515	489104	495770	
B	5.159	5.118	5.076	5.033	4.989	4.945	4.900	4.854	4.807	4.759	4.711	4.661	4.611	4.560	4.509	4.456	
-12.50 A	401972	407650	413391	419197	425068	431005	437009	443082	449224	455436	461719	468075	474505	481010	487591	494249	
B	5.163	5.122	5.080	5.037	4.994	4.950	4.905	4.859	4.812	4.765	4.717	4.668	4.618	4.567	4.516	4.463	
-12.25 A	400581	406250	411982	417779	423642	429570	435566	441630	447763	453967	460242	466589	473011	479507	486079	492729	
B	5.166	5.126	5.084	5.042	4.998	4.954	4.910	4.864	4.818	4.771	4.723	4.674	4.624	4.574	4.523	4.470	
-12.00 A	399191	404852	410576	416364	422218	428138	434125	440180	446305	452500	458767	465106	471519	478007	484571	491212	
B	5.170	5.130	5.088	5.046	5.003	4.959	4.915	4.869	4.823	4.776	4.728	4.680	4.630	4.580	4.529	4.478	
-11.75 A	397804	403456	409171	414951	420796	426707	432686	438733	444849	451035	457293	463624	470029	476508	483064	489697	
B	5.174	5.133	5.092	5.050	5.008	4.964	4.920	4.875	4.829	4.782	4.734	4.686	4.637	4.587	4.536	4.485	
-11.50 A	396420	402063	407769	413540	419377	425279	431249	437287	443395	449573	455822	462145	468541	475012	481559	488184	
B	5.177	5.137	5.096	5.055	5.012	4.969	4.925	4.880	4.834	4.787	4.740	4.692	4.643	4.593	4.543	4.492	
-11.25 A	395037	400671	406369	412132	417959	423853	429815	435844	441943	448113	454354	460667	467055	473518	480056	486673	
B	5.181	5.141	5.100	5.059	5.017	4.974	4.930	4.885	4.839	4.793	4.746	4.698	4.649	4.600	4.550	4.498	
-11.00 A	393657	399283	404972	410725	416544	422430	428382	434403	440494	446655	452887	459192	465571	472026	478556	485164	
B	5.185	5.145	5.105	5.063	5.021	4.978	4.935	4.890	4.845	4.799	4.752	4.704	4.656	4.606	4.556	4.505	
-10.75 A	392279	397896	403576	409321	415132	421008	426952	432965	439047	445199	451423	457719	464090	470536	477058	483657	
B	5.188	5.149	5.109	5.067	5.026	4.983	4.939	4.895	4.850	4.804	4.758	4.710	4.662	4.613	4.563	4.512	
-10.50 A	390903	396511	402183	407920	413721	419589	425525	431528	437601	443745	449961	456249	462611	469048	475562	482153	
B	5.192	5.153	5.113	5.072	5.030	4.988	4.944	4.900	4.855	4.810	4.763	4.716	4.668	4.619	4.570	4.519	
-10.25 A	389530	395129	400792	406520	412313	418172	424099	430094	436159	442294	448500	454780	461134	467562	474068	480651	
B	5.195	5.156	5.117	5.076	5.034	4.992	4.949	4.905	4.861	4.815	4.769	4.722	4.674	4.626	4.576	4.526	

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+DP*B)									
		542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572				
-10.00	A	388159	393749	399404	405123	410907	416758	422676	428662	434718	440844	447043	453314	459659	466079	472576	479150				
	B	5.199	5.160	5.120	5.080	5.039	4.997	4.954	4.910	4.866	4.821	4.775	4.728	4.680	4.632	4.583	4.533				
-9.75	A	386790	392372	398018	403728	409503	415345	421254	427232	433279	439397	445587	451849	458186	464598	471086	477652				
	B	5.202	5.164	5.124	5.084	5.043	5.001	4.959	4.915	4.871	4.826	4.780	4.734	4.687	4.638	4.589	4.540				
-9.50	A	385423	390997	396633	402335	408102	413935	419836	425805	431843	437952	444133	450387	456715	463119	469599	476156				
	B	5.206	5.167	5.128	5.088	5.047	5.006	4.964	4.920	4.876	4.832	4.786	4.740	4.693	4.645	4.596	4.547				
-9.25	A	384059	389623	395252	400944	406702	412527	418419	424379	430409	436510	442682	448927	455247	461642	468113	474662				
	B	5.209	5.171	5.132	5.092	5.052	5.010	4.968	4.925	4.882	4.837	4.792	4.746	4.699	4.651	4.603	4.553				
-9.00	A	382697	388253	393872	399556	405305	411121	417004	422956	428977	435069	441233	447470	453781	460167	466630	473171				
	B	5.213	5.175	5.136	5.096	5.056	5.015	4.973	4.930	4.887	4.842	4.797	4.751	4.705	4.657	4.609	4.560				
-8.75	A	381337	386884	392495	398170	403911	409718	415592	421535	427548	433631	439786	446014	452317	458694	465149	471681				
	B	5.216	5.178	5.140	5.100	5.060	5.019	4.978	4.935	4.892	4.848	4.803	4.757	4.711	4.664	4.616	4.567				
-8.50	A	379980	385518	391120	396786	402518	408316	414182	420116	426120	432195	438341	444561	450855	457224	463670	470194				
	B	5.219	5.182	5.144	5.104	5.065	5.024	4.982	4.940	4.897	4.853	4.809	4.763	4.717	4.670	4.622	4.573				
-8.25	A	378624	384154	389747	395405	401128	406917	412774	418700	424695	430761	436899	443110	449395	455756	462193	468708				
	B	5.223	5.185	5.147	5.108	5.069	5.028	4.987	4.945	4.902	4.858	4.814	4.769	4.723	4.676	4.628	4.580				
-8.00	A	377272	382792	388377	394026	399740	405521	411369	417286	423272	429329	435458	441661	447937	454289	460718	467225				
	B	5.226	5.189	5.151	5.112	5.073	5.033	4.992	4.950	4.907	4.864	4.820	4.775	4.729	4.682	4.635	4.587				
-7.75	A	375921	381433	387009	392649	398354	404126	409966	415874	421851	427900	434020	440214	446482	452825	459246	465744				
	B	5.229	5.193	5.155	5.116	5.077	5.037	4.996	4.955	4.912	4.869	4.825	4.780	4.735	4.688	4.641	4.593				
-7.50	A	374573	380076	385643	391274	396971	402734	408564	414464	420433	426473	432584	438769	445029	451364	457775	464266				
	B	5.233	5.196	5.159	5.120	5.081	5.041	5.001	4.959	4.917	4.874	4.831	4.786	4.741	4.695	4.648	4.600				
-7.25	A	373227	378721	384279	389901	395589	401344	407166	413056	419016	425048	431151	437327	443578	449904	456307	462789				
	B	5.236	5.199	5.162	5.124	5.085	5.046	5.005	4.964	4.922	4.879	4.836	4.792	4.747	4.701	4.654	4.607				
-7.00	A	371883	377369	382918	388531	394210	399956	405769	411651	417602	423625	429719	435887	442129	448446	454841	461314				
	B	5.239	5.203	5.166	5.128	5.089	5.050	5.010	4.969	4.927	4.885	4.841	4.797	4.752	4.707	4.660	4.613				
-6.75	A	370542	376018	381559	387163	392834	398570	404375	410248	416190	422204	428290	434449	440682	446991	453377	459842				
	B	5.242	5.206	5.170	5.132	5.094	5.054	5.014	4.974	4.932	4.890	4.847	4.803	4.758	4.713	4.667	4.620				
-6.50	A	369203	374671	380202	385798	391459	397187	402983	408847	414781	420786	426863	433013	439238	445538	451916	458372				
	B	5.246	5.210	5.173	5.136	5.098	5.059	5.019	4.978	4.937	4.895	4.852	4.808	4.764	4.719	4.673	4.626				
-6.25	A	367866	373325	378847	384435	390087	395806	401593	407448	413373	419369	425438	431579	437795	444087	450456	456904				
	B	5.249	5.213	5.177	5.140	5.102	5.063	5.023	4.983	4.942	4.900	4.857	4.814	4.770	4.725	4.679	4.633				

TEMP DEG C		COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
		542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572	
-6.00	A	366531	371982	377495	383073	388717	394427	400205	406052	411968	417956	424015	430148	436355	442638	448999	455438	
	B	5.252	5.216	5.180	5.143	5.106	5.067	5.028	4.988	4.947	4.905	4.863	4.820	4.776	4.731	4.685	4.639	
-5.75	A	365199	370641	376145	381715	387350	393051	398820	404658	410565	416544	422594	428719	434917	441192	447544	453974	
	B	5.255	5.220	5.184	5.147	5.110	5.071	5.032	4.992	4.952	4.910	4.868	4.825	4.781	4.737	4.691	4.645	
-5.50	A	363869	369302	374798	380358	385984	391677	397437	403266	409164	415134	421176	427292	433481	439747	446091	452512	
	B	5.258	5.223	5.187	5.151	5.113	5.075	5.037	4.997	4.957	4.915	4.873	4.831	4.787	4.743	4.698	4.652	
-5.25	A	362542	367965	373452	379004	384621	390305	396056	401876	407766	413727	419760	425867	432048	438305	444640	451053	
	B	5.261	5.226	5.191	5.154	5.117	5.080	5.041	5.001	4.961	4.920	4.879	4.836	4.793	4.749	4.704	4.658	
-5.00	A	361217	366631	372109	377652	383260	388935	394677	400489	406370	412322	418346	424444	430617	436865	443191	449596	
	B	5.264	5.230	5.194	5.158	5.121	5.084	5.045	5.006	4.966	4.925	4.884	4.842	4.798	4.755	4.710	4.665	
-4.75	A	359894	365299	370769	376302	381902	387568	393301	399103	404976	410919	416935	423024	429187	435427	441744	448140	
	B	5.267	5.233	5.198	5.162	5.125	5.088	5.050	5.011	4.971	4.930	4.889	4.847	4.804	4.760	4.716	4.671	
-4.50	A	358573	363970	369430	374955	380545	386202	391927	397721	403584	409518	415525	421605	427760	433992	440300	446687	
	B	5.270	5.236	5.201	5.165	5.129	5.092	5.054	5.015	4.976	4.935	4.894	4.852	4.810	4.766	4.722	4.677	
-4.25	A	357255	362643	368094	373610	379191	384840	390555	396340	402194	408120	414118	420189	426336	432558	438858	445237	
	B	5.273	5.239	5.204	5.169	5.133	5.096	5.058	5.020	4.980	4.940	4.899	4.858	4.815	4.772	4.728	4.683	
-4.00	A	355939	361318	366760	372267	377840	383479	389186	394961	400807	406724	412713	418776	424913	431127	437418	443788	
	B	5.276	5.242	5.208	5.173	5.137	5.100	5.062	5.024	4.985	4.945	4.904	4.863	4.821	4.778	4.734	4.690	
-3.75	A	354625	359995	365429	370927	376490	382121	387819	393585	399422	405330	411310	417364	423493	429698	435980	442342	
	B	5.279	5.245	5.211	5.176	5.140	5.104	5.067	5.028	4.990	4.950	4.910	4.868	4.826	4.784	4.740	4.696	
-3.50	A	353314	358675	364100	369589	375143	380765	386454	392211	398039	403938	409910	415955	422075	428271	434545	440897	
	B	5.282	5.248	5.214	5.180	5.144	5.108	5.071	5.033	4.994	4.955	4.915	4.874	4.832	4.789	4.746	4.702	
-3.25	A	352005	357357	362773	368253	373798	379411	385091	390840	396659	402549	408511	414548	420659	426846	433111	439455	
	B	5.285	5.251	5.218	5.183	5.148	5.112	5.075	5.037	4.999	4.960	4.920	4.879	4.837	4.795	4.752	4.708	
-3.00	A	350698	356041	361448	366919	372456	378059	383730	389470	395280	401162	407115	413143	419245	425424	431680	438015	
	B	5.287	5.255	5.221	5.187	5.152	5.116	5.079	5.042	5.003	4.964	4.925	4.884	4.843	4.801	4.758	4.714	
-2.75	A	349394	354728	360126	365588	371116	376710	382372	388103	393904	399777	405721	411740	417833	424003	430251	436577	
	B	5.290	5.258	5.224	5.190	5.155	5.120	5.083	5.046	5.008	4.969	4.930	4.889	4.848	4.807	4.764	4.721	
-2.50	A	348092	353417	358806	364259	369778	375363	381016	386738	392530	398394	404330	410339	416424	422585	428824	435142	
	B	5.293	5.261	5.227	5.194	5.159	5.123	5.087	5.050	5.012	4.974	4.935	4.895	4.854	4.812	4.770	4.727	
-2.25	A	346792	352108	357488	362932	368442	374018	379663	385376	391159	397013	402940	408941	415017	421169	427399	433708	
	B	5.296	5.264	5.231	5.197	5.162	5.127	5.091	5.055	5.017	4.979	4.940	4.900	4.859	4.818	4.776	4.733	

TEMP DEG C		COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C										F=1/(A+DP*B) CUBIC METRE									
		542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572				
-2.00	A	345495	350802	356173	361608	367109	372676	378311	384015	389790	395635	401553	407545	413612	419756	425977	432277				
	B	5.298	5.266	5.234	5.200	5.166	5.131	5.095	5.059	5.021	4.983	4.945	4.905	4.865	4.823	4.781	4.739				
-1.75	A	344200	349498	354860	360286	365777	371336	376962	382657	388423	394259	400168	406151	412209	418344	424557	430848				
	B	5.301	5.269	5.237	5.204	5.170	5.135	5.099	5.063	5.026	4.988	4.949	4.910	4.870	4.829	4.787	4.745				
-1.50	A	342907	348196	353549	358966	364449	369998	375615	381301	387058	392885	398786	404760	410809	416935	423138	429421				
	B	5.304	5.272	5.240	5.207	5.173	5.139	5.103	5.067	5.030	4.993	4.954	4.915	4.875	4.835	4.793	4.751				
-1.25	A	341617	346897	352241	357649	363122	368663	374271	379948	385695	391514	397405	403370	409411	415528	421723	427997				
	B	5.306	5.275	5.243	5.210	5.177	5.142	5.107	5.071	5.035	4.997	4.959	4.920	4.881	4.840	4.799	4.757				
-1.00	A	340329	345600	350934	356333	361798	367329	372928	378597	384335	390145	396027	401983	408015	414123	420309	426574				
	B	5.309	5.278	5.246	5.214	5.180	5.146	5.111	5.076	5.039	5.002	4.964	4.925	4.886	4.846	4.805	4.763				
-0.75	A	339044	344305	349631	355021	360476	365998	371589	377248	382977	388778	394651	400598	406621	412720	418897	425154				
	B	5.312	5.281	5.249	5.217	5.184	5.150	5.115	5.080	5.043	5.007	4.969	4.930	4.891	4.851	4.810	4.769				
-0.50	A	337760	343013	348329	353710	359157	364670	370251	375901	381621	387413	393277	399216	405229	411320	417488	423736				
	B	5.314	5.284	5.252	5.220	5.187	5.153	5.119	5.084	5.048	5.011	4.974	4.935	4.896	4.856	4.816	4.775				
-0.25	A	336479	341723	347030	352402	357839	363343	368915	374556	380268	386050	391906	397835	403840	409921	416081	422320				
	B	5.317	5.286	5.255	5.223	5.191	5.157	5.123	5.088	5.052	5.016	4.978	4.940	4.901	4.862	4.822	4.780				
0.00	A	335201	340435	345733	351096	356524	362019	367582	373214	378917	384690	390537	396457	402453	408525	414676	420906				
	B	5.319	5.289	5.258	5.226	5.194	5.161	5.127	5.092	5.056	5.020	4.983	4.945	4.907	4.867	4.827	4.786				
0.25	A	333924	339150	344439	349793	355212	360698	366252	371874	377568	383332	389170	395081	401068	407132	413273	419495				
	B	5.322	5.292	5.261	5.230	5.197	5.164	5.131	5.096	5.061	5.025	4.988	4.950	4.912	4.873	4.833	4.792				
0.50	A	332651	337867	343147	348491	353901	359378	364923	370537	376221	381977	387805	393707	399685	405740	411873	418085				
	B	5.324	5.295	5.264	5.233	5.201	5.168	5.134	5.100	5.065	5.029	4.992	4.955	4.917	4.878	4.838	4.798				
0.75	A	331379	336586	341857	347192	352593	358061	363597	369202	374877	380623	386442	392336	398305	404351	410475	416678				
	B	5.327	5.297	5.267	5.236	5.204	5.171	5.138	5.104	5.069	5.034	4.997	4.960	4.922	4.883	4.844	4.804				
1.00	A	330110	335308	340570	345896	351288	356746	362273	367868	373534	379272	385082	390967	396927	402963	409078	415273				
	B	5.329	5.300	5.270	5.239	5.207	5.175	5.142	5.108	5.073	5.038	5.002	4.965	4.927	4.889	4.849	4.810				
1.25	A	328843	334032	339285	344602	349984	355434	360951	366538	372195	377923	383724	389600	395551	401578	407685	413870				
	B	5.332	5.303	5.273	5.242	5.211	5.178	5.146	5.112	5.077	5.042	5.006	4.970	4.932	4.894	4.855	4.815				
1.50	A	327579	332758	338002	343310	348683	354124	359632	365209	370857	376576	382369	388235	394177	400196	406293	412470				
	B	5.334	5.305	5.275	5.245	5.214	5.182	5.149	5.116	5.082	5.047	5.011	4.974	4.937	4.899	4.860	4.821				
1.75	A	326316	331487	336721	342020	347385	352816	358315	363883	369522	375232	381015	386872	392805	398815	404904	411072				
	B	5.336	5.308	5.278	5.248	5.217	5.185	5.153	5.120	5.086	5.051	5.016	4.979	4.942	4.904	4.866	4.827				

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
		542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572	
2.00	A	325057	330218	335443	340733	346088	351510	357000	362559	368189	373890	379664	385512	391436	397437	403516	409675	
	B	5.339	5.310	5.281	5.251	5.220	5.189	5.157	5.124	5.090	5.055	5.020	4.984	4.947	4.910	4.871	4.832	
2.25	A	323799	328952	334167	339448	344794	350207	355688	361238	366858	372550	378315	384154	390069	396061	402131	408282	
	B	5.341	5.313	5.284	5.254	5.224	5.192	5.160	5.127	5.094	5.060	5.025	4.989	4.952	4.915	4.877	4.838	
2.50	A	322544	327687	332894	338165	343502	348906	354378	359918	365530	371213	376968	382798	388704	394687	400749	406890	
	B	5.343	5.315	5.287	5.257	5.227	5.196	5.164	5.131	5.098	5.064	5.029	4.993	4.957	4.920	4.882	4.844	
2.75	A	321292	326426	331623	336885	342213	347607	353070	358601	364203	369877	375624	381445	387342	393316	399368	405500	
	B	5.346	5.318	5.289	5.260	5.230	5.199	5.167	5.135	5.102	5.068	5.033	4.998	4.962	4.925	4.888	4.849	
3.00	A	320041	325166	330354	335607	340926	346311	351764	357287	362880	368544	374282	380094	385981	391946	397990	404113	
	B	5.348	5.320	5.292	5.263	5.233	5.202	5.171	5.139	5.106	5.072	5.038	5.003	4.967	4.930	4.893	4.855	
3.25	A	318793	323909	329088	334332	339641	345017	350461	355974	361558	367213	372942	378745	384623	390579	396614	402728	
	B	5.350	5.323	5.295	5.266	5.236	5.206	5.174	5.143	5.110	5.077	5.042	5.007	4.972	4.935	4.898	4.860	
3.50	A	317548	322654	327824	333058	338358	343725	349160	354664	360239	365885	371604	377398	383268	389214	395240	401345	
	B	5.352	5.325	5.297	5.268	5.239	5.209	5.178	5.146	5.114	5.081	5.047	5.012	4.977	4.940	4.903	4.866	
3.75	A	316305	321402	326562	331788	337078	342436	347862	353356	358922	364559	370269	376054	381914	387852	393868	399964	
	B	5.354	5.327	5.300	5.271	5.242	5.212	5.181	5.150	5.118	5.085	5.051	5.017	4.981	4.945	4.909	4.871	
4.00	A	315064	320152	325303	330519	335801	341149	346565	352051	357607	363235	368936	374711	380563	386491	392499	398586	
	B	5.357	5.330	5.302	5.274	5.245	5.215	5.185	5.154	5.122	5.089	5.055	5.021	4.986	4.950	4.914	4.877	
4.25	A	313825	318904	324046	329253	334525	339864	345271	350748	356295	361913	367605	373372	379214	385133	391131	397210	
	B	5.359	5.332	5.305	5.277	5.248	5.219	5.188	5.157	5.126	5.093	5.060	5.026	4.991	4.955	4.919	4.882	
4.50	A	312589	317659	322792	327989	333252	338582	343980	349447	354985	360594	366277	372034	377867	383777	389766	395836	
	B	5.361	5.334	5.307	5.280	5.251	5.222	5.192	5.161	5.129	5.097	5.064	5.030	4.996	4.960	4.924	4.888	
4.75	A	311356	316416	321539	326728	331981	337302	342691	348148	353677	359277	364951	370698	376522	382424	388404	394464	
	B	5.363	5.337	5.310	5.282	5.254	5.225	5.195	5.165	5.133	5.101	5.068	5.035	5.000	4.965	4.930	4.893	
5.00	A	310124	315175	320290	325468	330713	336024	341404	346852	352371	357962	363627	369365	375180	381072	387043	393095	
	B	5.365	5.339	5.312	5.285	5.257	5.228	5.198	5.168	5.137	5.105	5.073	5.039	5.005	4.970	4.935	4.898	
5.25	A	308896	313937	319042	324212	329447	334749	340119	345558	351068	356650	362305	368034	373840	379723	385685	391727	
	B	5.367	5.341	5.315	5.288	5.260	5.231	5.202	5.172	5.141	5.109	5.077	5.044	5.010	4.975	4.940	4.904	
5.50	A	307669	312701	317797	322957	328183	333476	338837	344267	349767	355340	360986	366706	372502	378376	384329	390362	
	B	5.369	5.343	5.317	5.290	5.263	5.234	5.205	5.175	5.145	5.113	5.081	5.048	5.014	4.980	4.945	4.909	
5.75	A	306445	311468	316554	321705	326922	332205	337557	342977	348469	354032	359668	365380	371167	377031	382975	388999	
	B	5.371	5.346	5.320	5.293	5.266	5.237	5.208	5.179	5.148	5.117	5.085	5.052	5.019	4.985	4.950	4.914	

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+DP*B)									
		542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572				
6.00	A	305223	310237	315314	320455	325663	330937	336279	341690	347172	352726	358354	364056	369833	375689	381624	387639				
	B	5.373	5.348	5.322	5.296	5.268	5.240	5.212	5.182	5.152	5.121	5.089	5.057	5.024	4.990	4.955	4.920				
6.25	A	304004	309008	314076	319208	324406	329671	335004	340406	345878	351423	357041	362734	368503	374349	380274	386280				
	B	5.375	5.350	5.324	5.298	5.271	5.243	5.215	5.186	5.156	5.125	5.093	5.061	5.028	4.995	4.960	4.925				
6.50	A	302787	307782	312840	317963	323152	328407	333731	339123	344587	350122	355731	361414	367174	373011	378927	384924				
	B	5.377	5.352	5.327	5.301	5.274	5.246	5.218	5.189	5.159	5.129	5.097	5.065	5.033	4.999	4.965	4.930				
6.75	A	301572	306558	311607	316721	321900	327146	332460	337843	343297	348824	354423	360097	365847	371675	377582	383570				
	B	5.379	5.354	5.329	5.303	5.277	5.249	5.221	5.192	5.163	5.133	5.102	5.070	5.037	5.004	4.970	4.935				
7.00	A	300360	305336	310376	315480	320650	325887	331192	336566	342010	347527	353117	358782	364523	370342	376240	382218				
	B	5.380	5.356	5.331	5.306	5.279	5.252	5.224	5.196	5.166	5.136	5.106	5.074	5.042	5.009	4.975	4.940				
7.25	A	299150	304117	309148	314242	319403	324630	329926	335290	340726	346233	351814	357470	363201	369011	374899	380869				
	B	5.382	5.358	5.334	5.308	5.282	5.255	5.228	5.199	5.170	5.140	5.110	5.078	5.046	5.013	4.980	4.946				
7.50	A	297943	302901	307922	313007	318158	323376	328662	334017	339443	344941	350513	356159	361882	367682	373561	379522				
	B	5.384	5.360	5.336	5.311	5.285	5.258	5.231	5.202	5.174	5.144	5.114	5.083	5.051	5.018	4.985	4.951				
7.75	A	296738	301686	306698	311774	316915	322124	327401	332747	338163	343652	349214	354851	360564	366355	372226	378177				
	B	5.386	5.362	5.338	5.313	5.287	5.261	5.234	5.206	5.177	5.148	5.118	5.087	5.055	5.023	4.990	4.956				
8.00	A	295536	300474	305476	310543	315675	320874	326142	331478	336886	342365	347918	353545	359249	365031	370892	376834				
	B	5.388	5.364	5.340	5.315	5.290	5.264	5.237	5.209	5.181	5.151	5.122	5.091	5.060	5.027	4.995	4.961				
8.25	A	294335	299265	304257	309315	314437	319627	324885	330212	335610	341080	346624	352242	357936	363709	369561	375493				
	B	5.389	5.366	5.342	5.318	5.293	5.267	5.240	5.212	5.184	5.155	5.125	5.095	5.064	5.032	4.999	4.966				
8.50	A	293138	298058	303041	308089	313202	318382	323631	328948	334337	339798	345332	350941	356626	362389	368232	374155				
	B	5.391	5.368	5.345	5.320	5.295	5.269	5.243	5.216	5.188	5.159	5.129	5.099	5.068	5.037	5.004	4.971				
8.75	A	291942	296853	301827	306865	311969	317140	322379	327687	333066	338517	344042	349642	355318	361072	366905	372819				
	B	5.393	5.370	5.347	5.323	5.298	5.272	5.246	5.219	5.191	5.162	5.133	5.103	5.073	5.041	5.009	4.976				
9.00	A	290749	295651	300615	305644	310738	315900	321129	326428	331798	337240	342755	348345	354012	359756	365580	371485				
	B	5.394	5.372	5.349	5.325	5.300	5.275	5.249	5.222	5.194	5.166	5.137	5.107	5.077	5.046	5.014	4.981				
9.25	A	289559	294451	299406	304425	309510	314662	319882	325171	330532	335964	341470	347051	352708	358443	364258	370154				
	B	5.396	5.374	5.351	5.327	5.303	5.278	5.252	5.225	5.198	5.170	5.141	5.111	5.081	5.050	5.018	4.986				
9.50	A	288371	293253	298199	303208	308284	313426	318637	323917	329268	334691	340187	345759	351407	357133	362938	368825				
	B	5.398	5.376	5.353	5.329	5.305	5.280	5.255	5.228	5.201	5.173	5.145	5.115	5.085	5.055	5.023	4.991				
9.75	A	287185	292058	296994	301994	307060	312193	317395	322665	328006	333420	338907	344469	350108	355824	361620	367498				
	B	5.399	5.377	5.355	5.332	5.308	5.283	5.258	5.231	5.204	5.177	5.149	5.119	5.090	5.059	5.028	4.996				

TEMP DEG C	COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572	
10.00 A	286002	290865	295792	300783	305839	310963	316154	321415	326747	332151	337629	343182	348811	354518	360305	366173	
B	5.401	5.379	5.357	5.334	5.310	5.286	5.260	5.234	5.208	5.180	5.152	5.123	5.094	5.063	5.032	5.001	
10.25 A	284821	289675	294592	299573	304620	309734	314917	320168	325490	330885	336353	341896	347516	353214	358992	364850	
B	5.402	5.381	5.359	5.336	5.312	5.288	5.263	5.238	5.211	5.184	5.156	5.127	5.098	5.068	5.037	5.006	
10.50 A	283643	288487	293394	298366	303404	308508	313681	318923	324236	329621	335080	340614	346224	351912	357681	363530	
B	5.404	5.383	5.361	5.338	5.315	5.291	5.266	5.241	5.214	5.187	5.160	5.131	5.102	5.072	5.042	5.010	
10.75 A	282467	287301	292199	297162	302190	307285	312448	317681	322984	328359	333809	339333	344934	350613	356372	362212	
B	5.405	5.384	5.363	5.340	5.317	5.293	5.269	5.244	5.218	5.191	5.163	5.135	5.106	5.077	5.046	5.015	
11.00 A	281293	286118	291007	295960	300978	306064	311217	316440	321734	327100	332540	338055	343646	349316	355065	360896	
B	5.407	5.386	5.365	5.342	5.320	5.296	5.272	5.247	5.221	5.194	5.167	5.139	5.110	5.081	5.051	5.020	
11.25 A	280122	284938	289817	294760	299769	304845	309989	315202	320487	325843	331274	336779	342361	348021	353761	359583	
B	5.408	5.388	5.366	5.344	5.322	5.298	5.274	5.250	5.224	5.198	5.171	5.143	5.114	5.085	5.055	5.025	
11.50 A	278953	283759	288629	293563	298562	303628	308763	313967	319242	324589	330009	335505	341078	346729	352459	358272	
B	5.409	5.389	5.368	5.347	5.324	5.301	5.277	5.252	5.227	5.201	5.174	5.147	5.119	5.090	5.060	5.029	
11.75 A	277787	282584	287443	292368	297358	302414	307539	312734	317999	323336	328748	334234	339797	345439	351160	356963	
B	5.411	5.391	5.370	5.349	5.326	5.303	5.280	5.255	5.230	5.204	5.178	5.151	5.123	5.094	5.064	5.034	
12.00 A	276623	281410	286260	291175	296155	301203	306318	311503	316758	322086	327488	332965	338519	344151	349863	355656	
B	5.412	5.392	5.372	5.351	5.329	5.306	5.282	5.258	5.233	5.208	5.181	5.154	5.127	5.098	5.069	5.039	
12.25 A	275462	280239	285080	289985	294956	299993	305099	310274	315520	320839	326231	331698	337243	342865	348568	354352	
B	5.414	5.394	5.374	5.353	5.331	5.308	5.285	5.261	5.236	5.211	5.185	5.158	5.131	5.102	5.073	5.044	
12.50 A	274303	279071	283902	288797	293758	298786	303882	309048	314385	319594	324976	330434	335969	341582	347275	353049	
B	5.415	5.395	5.375	5.355	5.333	5.311	5.288	5.264	5.240	5.214	5.188	5.162	5.134	5.106	5.078	5.048	
12.75 A	273146	277904	282726	287612	292563	297582	302668	307824	313051	318351	323724	329172	334697	340301	345984	351750	
B	5.416	5.397	5.377	5.356	5.335	5.313	5.290	5.267	5.243	5.218	5.192	5.166	5.138	5.111	5.082	5.053	
13.00 A	271992	276741	281553	286429	291371	296380	301457	306603	311820	317110	322474	327912	333428	339022	344696	350452	
B	5.417	5.398	5.379	5.358	5.337	5.315	5.293	5.270	5.246	5.221	5.195	5.169	5.142	5.115	5.086	5.057	
13.25 A	270840	275579	280382	285248	290181	295180	300247	305384	310592	315872	321226	326655	332161	337746	343410	349157	
B	5.419	5.400	5.380	5.360	5.339	5.318	5.295	5.272	5.249	5.224	5.199	5.173	5.146	5.119	5.091	5.062	
13.50 A	269691	274421	279213	284070	288993	293982	299040	304167	309365	314636	319980	325400	330896	336472	342127	347864	
B	5.420	5.401	5.382	5.362	5.341	5.320	5.298	5.275	5.252	5.227	5.202	5.177	5.150	5.123	5.095	5.066	
13.75 A	268544	273264	278047	282895	287808	292787	297835	302953	308141	313402	318737	324147	329634	335200	340845	346573	
B	5.421	5.403	5.384	5.364	5.344	5.322	5.300	5.278	5.254	5.230	5.206	5.180	5.154	5.127	5.099	5.071	

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOGRAM PER DENSITY AT 15 DEGREES C										CUBIC METRE F-11 (ASTM D-153)									
	542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572				
14.00 A	267400	272110	276884	281721	286625	291595	296633	301741	306920	312171	317496	322897	328374	333930	339566	345284				
B	5.422	5.404	5.385	5.366	5.346	5.325	5.303	5.280	5.257	5.234	5.209	5.184	5.158	5.131	5.104	5.075				
14.25 A	266258	270959	275722	280551	285444	290405	295433	300532	305701	310942	316258	321649	327117	332663	338290	343998				
B	5.423	5.405	5.387	5.368	5.348	5.327	5.305	5.283	5.260	5.237	5.212	5.187	5.162	5.135	5.108	5.080				
14.50 A	265119	269810	274564	279382	284266	289217	294236	299324	304484	309716	315022	320403	325861	331398	337015	342714				
B	5.424	5.407	5.388	5.369	5.350	5.329	5.308	5.286	5.263	5.240	5.216	5.191	5.165	5.139	5.112	5.084				
14.75 A	263982	268663	273407	278216	283090	288031	293041	298120	303269	308492	313788	319160	324608	330135	335743	341432				
B	5.426	5.408	5.390	5.371	5.351	5.331	5.310	5.288	5.266	5.243	5.219	5.194	5.169	5.143	5.116	5.089				
15.00 A	262847	267519	272253	277052	281917	286848	291848	296917	302057	307270	312556	317918	323357	328875	334473	340153				
B	5.427	5.409	5.391	5.373	5.353	5.333	5.313	5.291	5.269	5.246	5.222	5.198	5.173	5.147	5.120	5.093				
15.25 A	261715	266377	271102	275891	280746	285668	290658	295717	300848	306050	311327	316680	322109	327617	333206	338876				
B	5.428	5.411	5.393	5.374	5.355	5.335	5.315	5.294	5.272	5.249	5.225	5.201	5.176	5.151	5.125	5.098				
15.50 A	260585	265238	269953	274733	279578	284490	289470	294519	299640	304833	310101	315443	320863	326361	331940	337601				
B	5.429	5.412	5.394	5.376	5.357	5.338	5.317	5.296	5.274	5.252	5.229	5.205	5.180	5.155	5.129	5.102				
15.75 A	259458	264101	268806	273576	278412	283314	288284	293324	298435	303619	308876	314209	319619	325108	330677	336329				
B	5.430	5.413	5.396	5.378	5.359	5.340	5.320	5.299	5.277	5.255	5.232	5.208	5.184	5.159	5.133	5.106				
16.00 A	258333	262966	267662	272422	277248	282140	287101	292131	297233	302406	307654	312977	318378	323857	329417	335059				
B	5.431	5.414	5.397	5.379	5.361	5.342	5.322	5.301	5.280	5.258	5.235	5.212	5.187	5.162	5.137	5.110				
16.25 A	257211	261834	266520	271271	276087	280969	285920	290941	296032	301196	306434	311748	317139	322608	328158	333791				
B	5.432	5.415	5.399	5.381	5.363	5.344	5.324	5.304	5.283	5.261	5.238	5.215	5.191	5.166	5.141	5.115				
16.50 A	256091	260705	265381	270122	274928	279801	284742	289753	294834	299989	305217	310521	315902	321362	326902	332525				
B	5.433	5.417	5.400	5.383	5.365	5.346	5.326	5.306	5.285	5.264	5.241	5.218	5.194	5.170	5.145	5.119				
16.75 A	254974	259578	264244	268975	273772	278635	283566	288567	293639	298783	304002	309296	314668	320118	325649	331262				
B	5.433	5.418	5.401	5.384	5.366	5.348	5.328	5.309	5.288	5.266	5.244	5.222	5.198	5.174	5.149	5.123				
17.00 A	253859	258453	263110	267831	272618	277471	282392	287384	292446	297581	302789	308074	313435	318876	324397	330001				
B	5.434	5.419	5.403	5.386	5.368	5.350	5.331	5.311	5.290	5.269	5.247	5.225	5.202	5.178	5.153	5.127				
17.25 A	252747	257331	261978	266699	271466	276310	281221	286203	291255	296380	301579	306854	312206	317637	323148	328742				
B	5.435	5.420	5.404	5.387	5.370	5.352	5.333	5.313	5.293	5.272	5.250	5.228	5.205	5.181	5.157	5.132				
17.50 A	251637	256211	260849	265550	270317	275151	280053	285024	290067	295182	300371	305636	310978	316399	321901	327485				
B	5.436	5.421	5.405	5.389	5.371	5.354	5.335	5.316	5.296	5.275	5.253	5.231	5.209	5.185	5.161	5.136				
17.75 A	250529	255094	259722	264413	269170	273994	278886	283848	288881	293986	299166	304421	309753	315165	320657	326231				
B	5.437	5.422	5.406	5.390	5.373	5.355	5.337	5.318	5.298	5.278	5.256	5.235	5.212	5.189	5.165	5.140				

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+DP*B)									
		542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572				
18.00	A	249424	253979	258597	263279	268026	272840	277722	282674	287697	292793	297962	303208	308530	313932	319415	324979				
	B	5.438	5.423	5.408	5.392	5.375	5.357	5.339	5.320	5.301	5.280	5.259	5.238	5.215	5.192	5.168	5.144				
18.25	A	248322	252867	257475	262147	266884	271688	276561	281503	286516	291602	296761	301997	307310	312702	318175	323730				
	B	5.438	5.424	5.409	5.393	5.376	5.359	5.341	5.323	5.303	5.283	5.262	5.241	5.219	5.196	5.172	5.148				
18.50	A	247222	251757	256355	261017	265745	270539	275402	280334	285337	290413	295563	300789	306092	311474	316937	322483				
	B	5.439	5.425	5.410	5.394	5.378	5.361	5.343	5.325	5.306	5.286	5.265	5.244	5.222	5.199	5.176	5.152				
18.75	A	246124	250650	255238	259890	264608	269392	274245	279167	284161	289227	294367	299583	304876	310249	315702	321238				
	B	5.440	5.426	5.411	5.396	5.380	5.363	5.345	5.327	5.308	5.289	5.268	5.247	5.225	5.203	5.180	5.156				
19.00	A	245029	249545	254123	258766	263473	268248	273091	278003	282987	288043	293173	298379	303663	309026	314469	319995				
	B	5.440	5.427	5.412	5.397	5.381	5.365	5.347	5.329	5.311	5.291	5.271	5.250	5.229	5.207	5.184	5.160				
19.25	A	243937	248442	253011	257643	262341	267106	271939	276841	281815	286861	291982	297178	302452	307805	313238	318755				
	B	5.441	5.427	5.413	5.398	5.383	5.366	5.349	5.331	5.313	5.294	5.274	5.253	5.232	5.210	5.187	5.164				
19.50	A	242847	247342	251901	256524	261212	265966	270789	275682	280646	285682	290793	295979	301243	306586	312010	317517				
	B	5.442	5.428	5.414	5.400	5.384	5.368	5.351	5.334	5.315	5.296	5.277	5.256	5.235	5.214	5.191	5.168				
19.75	A	241759	246245	250794	255406	260084	264829	269642	274525	279479	284505	289606	294783	300037	305370	310784	316281				
	B	5.442	5.429	5.415	5.401	5.386	5.370	5.353	5.336	5.318	5.299	5.280	5.259	5.239	5.217	5.195	5.172				
20.00	A	240674	245150	249689	254292	258960	263695	268498	273371	278314	283331	288422	293589	298833	304156	309561	315048				
	B	5.443	5.430	5.416	5.402	5.387	5.371	5.355	5.338	5.320	5.302	5.282	5.262	5.242	5.221	5.199	5.176				
20.25	A	239591	244057	248586	253179	257837	262562	267356	272218	277152	282159	287240	292397	297631	302945	308339	313817				
	B	5.443	5.431	5.417	5.403	5.388	5.373	5.357	5.340	5.322	5.304	5.285	5.265	5.245	5.224	5.202	5.180				
20.50	A	238511	242967	247486	252069	256718	261433	266216	271069	275993	280990	286061	291207	296432	301736	307120	312588				
	B	5.444	5.431	5.418	5.404	5.390	5.375	5.359	5.342	5.325	5.307	5.288	5.268	5.248	5.227	5.206	5.184				
20.75	A	237433	241890	246389	250962	255600	260305	265079	269921	274836	279822	284883	290020	295235	300529	305904	311362				
	B	5.444	5.432	5.419	5.406	5.391	5.376	5.360	5.344	5.327	5.309	5.291	5.271	5.251	5.231	5.209	5.187				
21.00	A	236358	240795	245294	249857	254485	259180	263944	268777	273681	278658	283709	288836	294040	299324	304690	310137				
	B	5.445	5.433	5.420	5.407	5.393	5.378	5.362	5.346	5.329	5.311	5.293	5.274	5.255	5.234	5.213	5.191				
21.25	A	235286	239712	244201	248754	253373	258058	262811	267634	272528	277495	282536	287653	292848	298122	303478	308916				
	B	5.445	5.434	5.421	5.408	5.394	5.379	5.364	5.348	5.331	5.314	5.296	5.277	5.258	5.237	5.217	5.195				
21.50	A	234215	238632	243111	247654	252263	256938	261681	266494	271378	276335	281366	286474	291658	296923	302268	307696				
	B	5.446	5.434	5.422	5.409	5.395	5.381	5.366	5.350	5.333	5.316	5.298	5.280	5.261	5.241	5.220	5.199				
21.75	A	233148	237554	242024	246557	251155	255820	260554	265357	270231	275178	280199	285296	290471	295725	301061	306479				
	B	5.446	5.435	5.423	5.410	5.396	5.382	5.367	5.352	5.336	5.319	5.301	5.283	5.264	5.244	5.224	5.203				

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP*B)$

TEMP DEG C	542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572
22.00 A	232083	236479	240938	245462	250050	254705	259428	264221	269086	274022	279034	284121	289286	294530	299856	305264
22.00 B	5.447	5.435	5.424	5.411	5.398	5.384	5.369	5.354	5.338	5.321	5.304	5.286	5.267	5.247	5.227	5.206
22.25 A	231020	235407	239856	244369	248947	253592	258306	263089	267943	272870	277871	282948	288103	293337	298653	304052
22.25 B	5.447	5.436	5.424	5.412	5.399	5.385	5.371	5.356	5.340	5.323	5.306	5.288	5.270	5.251	5.231	5.210
22.50 A	229960	234336	238776	243279	247847	252482	257185	261958	266802	271719	276710	281778	286923	292147	297453	302842
22.50 B	5.447	5.437	5.425	5.413	5.400	5.387	5.372	5.358	5.342	5.326	5.309	5.291	5.273	5.254	5.234	5.214
22.75 A	228902	233269	237698	242191	246749	251374	256068	260830	265664	270571	275552	280610	285745	290959	296255	301634
22.75 B	5.448	5.437	5.426	5.414	5.401	5.388	5.374	5.359	5.344	5.328	5.311	5.294	5.276	5.257	5.237	5.217
23.00 A	227847	232204	236623	241106	245654	250269	254952	259705	264529	269426	274397	279444	284569	289774	295059	300429
23.00 B	5.448	5.438	5.427	5.415	5.402	5.389	5.376	5.361	5.346	5.330	5.314	5.297	5.279	5.260	5.241	5.221
23.25 A	226794	231141	235550	240023	244561	249166	253839	258582	263396	268282	273244	278281	283396	288590	293866	299225
23.25 B	5.448	5.438	5.427	5.416	5.404	5.391	5.377	5.363	5.348	5.332	5.316	5.299	5.282	5.263	5.244	5.224
23.50 A	225744	230081	234480	238943	243471	248066	252729	257461	262255	267142	272093	277120	282225	287409	292675	298025
23.50 B	5.448	5.438	5.428	5.417	5.405	5.392	5.379	5.365	5.350	5.335	5.319	5.302	5.284	5.266	5.247	5.228
23.75 A	224697	229023	233412	237865	242383	246968	251621	256343	261137	266003	270944	275961	281056	286231	291487	296826
23.75 B	5.449	5.439	5.429	5.418	5.406	5.393	5.380	5.367	5.352	5.337	5.321	5.305	5.287	5.269	5.251	5.232
24.00 A	223652	227968	232347	236790	241298	245872	250515	255227	260011	264867	269798	274805	279890	285055	290301	295630
24.00 B	5.449	5.439	5.429	5.418	5.407	5.395	5.382	5.368	5.354	5.339	5.323	5.307	5.290	5.272	5.254	5.235
24.25 A	222609	226915	231284	235717	240215	244779	249412	254114	258888	263734	268655	273652	278726	283881	289117	294436
24.25 B	5.449	5.440	5.430	5.419	5.408	5.396	5.383	5.370	5.356	5.341	5.326	5.310	5.293	5.275	5.257	5.239
24.50 A	221569	225865	230224	234647	239134	243689	248311	253003	257767	262603	267513	272500	277565	282709	287935	293245
24.50 B	5.449	5.440	5.430	5.420	5.409	5.397	5.385	5.372	5.358	5.343	5.328	5.312	5.296	5.278	5.261	5.242
24.75 A	220531	224818	229166	233579	238056	242601	247213	251895	256648	261474	266375	271351	276406	281540	286756	292056
24.75 B	5.449	5.440	5.431	5.421	5.410	5.398	5.386	5.373	5.360	5.345	5.330	5.315	5.298	5.281	5.264	5.245
25.00 A	219496	223773	228111	232513	236981	241515	246117	250789	255532	260348	265238	270205	275249	280374	285580	290869
25.00 B	5.449	5.441	5.431	5.421	5.411	5.400	5.388	5.375	5.361	5.347	5.333	5.317	5.301	5.284	5.267	5.249
25.25 A	218464	222730	227058	231451	235908	240432	245024	249685	254418	259224	264104	269061	274095	279209	284405	289685
25.25 B	5.449	5.441	5.432	5.422	5.412	5.401	5.389	5.376	5.363	5.349	5.335	5.320	5.304	5.287	5.270	5.252
25.50 A	217434	221690	226008	230390	234837	239351	243933	248584	253307	258103	262973	267919	272943	278047	283233	288502
25.50 B	5.449	5.441	5.432	5.423	5.413	5.402	5.390	5.378	5.365	5.351	5.337	5.322	5.307	5.290	5.273	5.256
25.75 A	216406	220652	224960	229332	233769	238273	242844	247486	252198	256984	261843	266780	271794	276888	282064	287323
25.75 B	5.449	5.441	5.433	5.424	5.414	5.403	5.392	5.380	5.367	5.353	5.339	5.325	5.309	5.293	5.276	5.259

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+DP*B)									
		542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572				
26.00	A	215382	219617	223915	228277	232704	237197	241758	246389	251092	255867	260717	265643	270647	275731	280896	286145				
	B	5.449	5.442	5.433	5.424	5.414	5.404	5.393	5.381	5.369	5.355	5.342	5.327	5.312	5.296	5.279	5.262				
26.25	A	214359	218585	222873	227224	231641	236124	240675	245296	249988	254753	259592	264508	269502	274576	279731	284970				
	B	5.449	5.442	5.434	5.425	5.415	5.405	5.394	5.383	5.370	5.357	5.344	5.329	5.315	5.299	5.283	5.266				
26.50	A	213339	217555	221832	226174	230580	235053	239594	244204	248886	253641	258470	263376	268360	273423	278569	283798				
	B	5.449	5.442	5.434	5.425	5.416	5.406	5.395	5.384	5.372	5.359	5.346	5.332	5.317	5.302	5.286	5.269				
26.75	A	212322	216527	220795	225126	229522	233985	238515	243116	247787	252532	257351	262246	267220	272273	277409	282627				
	B	5.449	5.442	5.434	5.426	5.417	5.407	5.397	5.385	5.374	5.361	5.348	5.334	5.320	5.304	5.289	5.272				
27.00	A	211307	215502	219760	224080	228466	232919	237439	242029	246691	251425	256234	261119	266082	271126	276251	281460				
	B	5.449	5.442	5.435	5.427	5.418	5.408	5.398	5.387	5.375	5.363	5.350	5.337	5.322	5.307	5.292	5.275				
27.25	A	210295	214480	218727	223038	227413	231855	236366	240945	245597	250321	255119	259994	264947	269980	275095	280294				
	B	5.449	5.442	5.435	5.427	5.418	5.409	5.399	5.388	5.377	5.365	5.352	5.339	5.325	5.310	5.295	5.278				
27.50	A	209285	213460	217697	221997	226363	230794	235294	239864	244505	249219	254007	258872	263815	268837	273942	279131				
	B	5.449	5.442	5.435	5.428	5.419	5.410	5.400	5.390	5.379	5.367	5.354	5.341	5.327	5.313	5.297	5.282				
27.75	A	208278	212443	216669	220959	225314	229736	234226	238785	243416	248119	252897	257752	262684	267697	272791	277970				
	B	5.449	5.442	5.436	5.428	5.420	5.411	5.401	5.391	5.380	5.369	5.356	5.343	5.330	5.315	5.300	5.285				
28.00	A	207274	211428	215644	219924	224269	228680	233159	237708	242329	247022	251790	256634	261556	266559	271643	276811				
	B	5.448	5.442	5.436	5.428	5.420	5.412	5.402	5.392	5.382	5.370	5.358	5.346	5.332	5.318	5.303	5.288				
28.25	A	206271	210415	214622	218891	223226	227627	232096	236634	241244	245927	250685	255519	260431	265423	270497	275655				
	B	5.448	5.442	5.436	5.429	5.421	5.413	5.403	5.394	5.383	5.372	5.360	5.348	5.335	5.321	5.306	5.291				
28.50	A	205272	209406	213601	217861	222185	226576	231034	235563	240162	244835	249582	254406	259308	264290	269354	274502				
	B	5.448	5.442	5.436	5.429	5.422	5.413	5.405	5.395	5.385	5.374	5.362	5.350	5.337	5.323	5.309	5.294				
28.75	A	204275	208398	212584	216833	221147	225527	229976	234494	239083	243745	248482	253295	258187	263159	268212	273350				
	B	5.448	5.442	5.436	5.430	5.422	5.414	5.406	5.396	5.386	5.375	5.364	5.352	5.339	5.326	5.312	5.297				
29.00	A	203281	207394	211569	215808	220111	224481	228919	233427	238006	242658	247384	252187	257069	262030	267074	272201				
	B	5.447	5.442	5.436	5.430	5.423	5.415	5.407	5.397	5.388	5.377	5.366	5.354	5.342	5.328	5.315	5.300				
29.25	A	202289	206392	210557	214785	219078	223438	227866	232363	236931	241573	246289	251082	255953	260904	265937	271054				
	B	5.447	5.442	5.437	5.430	5.423	5.416	5.408	5.399	5.389	5.379	5.368	5.356	5.344	5.331	5.317	5.303				
29.50	A	201299	205392	209547	213765	218048	222397	226814	231301	235859	240491	245196	249979	254839	259780	264803	269910				
	B	5.447	5.442	5.437	5.431	5.424	5.417	5.409	5.400	5.390	5.380	5.370	5.358	5.346	5.334	5.320	5.306				
29.75	A	200313	204395	208539	212747	217019	221358	225765	230242	234790	239411	244106	248878	253728	258659	263672	268768				
	B	5.446	5.442	5.437	5.431	5.424	5.417	5.409	5.401	5.392	5.382	5.372	5.360	5.349	5.336	5.323	5.309				

COMPRESSIBILITY FACTOR PER KILOPASCAL $F=1/(A+DP \cdot B)$
 DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572
30.00 A	199328	203400	207534	211732	215994	220322	224719	229185	233723	238333	243018	247780	252620	257540	262542	267629
B	5.446	5.442	5.437	5.431	5.425	5.418	5.410	5.402	5.393	5.384	5.373	5.362	5.351	5.339	5.326	5.312
30.25 A	198347	202408	206532	210719	214971	219289	223675	228131	232658	237258	241933	246684	251513	256423	261415	266492
B	5.446	5.441	5.437	5.431	5.425	5.419	5.411	5.403	5.394	5.385	5.375	5.364	5.353	5.341	5.328	5.315
30.50 A	197368	201419	205532	209709	213950	218258	222634	227079	231596	236185	240850	245590	250410	255309	260291	265357
B	5.445	5.441	5.437	5.432	5.426	5.419	5.412	5.404	5.396	5.387	5.377	5.366	5.355	5.343	5.331	5.318
30.75 A	196391	200432	204535	208701	212932	217230	221595	226030	230536	235115	239769	244499	249308	254197	259169	264224
B	5.445	5.441	5.437	5.432	5.426	5.420	5.413	5.405	5.397	5.388	5.379	5.368	5.357	5.346	5.334	5.321
31.00 A	195417	199448	203540	207696	211917	216204	220559	224983	229479	234047	238691	243411	248209	253088	258049	263094
B	5.444	5.441	5.437	5.432	5.427	5.420	5.414	5.406	5.398	5.390	5.380	5.370	5.360	5.348	5.336	5.323
31.25 A	194446	198466	202548	206694	210904	215180	219525	223939	228424	232982	237615	242325	247113	251981	256932	261967
B	5.444	5.440	5.437	5.432	5.427	5.421	5.415	5.407	5.400	5.391	5.382	5.372	5.362	5.351	5.339	5.326
31.50 A	193477	197487	201559	205694	209893	214159	218493	222897	227372	231919	236542	241241	246019	250877	255817	260842
B	5.443	5.440	5.436	5.432	5.427	5.422	5.415	5.408	5.401	5.392	5.384	5.374	5.364	5.353	5.341	5.329
31.75 A	192511	196510	200572	204696	208885	213141	217464	221857	226322	230859	235471	240160	244927	249775	254704	259719
B	5.442	5.440	5.436	5.432	5.427	5.422	5.416	5.409	5.402	5.394	5.385	5.376	5.366	5.355	5.344	5.332
32.00 A	191547	195536	199587	203701	207880	212125	216438	220821	225274	229801	234403	239081	243838	248675	253594	258598
B	5.442	5.439	5.436	5.432	5.428	5.423	5.417	5.410	5.403	5.395	5.387	5.378	5.368	5.357	5.346	5.335
32.25 A	190586	194565	198605	202709	206877	211112	215414	219786	224229	228746	233337	238005	242751	247578	252487	257480
B	5.441	5.439	5.436	5.432	5.428	5.423	5.417	5.411	5.404	5.397	5.388	5.379	5.370	5.360	5.349	5.337
32.50 A	189627	193596	197626	201719	205877	210101	214393	218754	223187	227693	232273	236931	241666	246483	251381	256365
B	5.441	5.438	5.436	5.432	5.428	5.423	5.418	5.412	5.405	5.398	5.390	5.381	5.372	5.362	5.351	5.340
32.75 A	188671	192629	196649	200731	204879	209092	213374	217725	222147	226642	231212	235859	240584	245390	250278	255251
B	5.440	5.438	5.435	5.432	5.428	5.424	5.419	5.413	5.406	5.399	5.391	5.383	5.374	5.364	5.354	5.343
33.00 A	187718	191665	195675	199747	203884	208087	212357	216698	221110	225594	230154	234790	239505	244300	249178	254140
B	5.439	5.438	5.435	5.432	5.429	5.424	5.419	5.414	5.407	5.401	5.393	5.385	5.376	5.366	5.356	5.345
33.25 A	186767	190704	194703	198764	202891	207083	211344	215674	220075	224549	229098	233724	238428	243213	248080	253032
B	5.439	5.437	5.435	5.432	5.429	5.425	5.420	5.415	5.409	5.402	5.394	5.386	5.378	5.368	5.358	5.348
33.50 A	185819	189746	193734	197785	201901	206082	210332	214652	219042	223506	228044	232659	237353	242127	246984	251926
B	5.438	5.437	5.435	5.432	5.429	5.425	5.421	5.415	5.410	5.403	5.396	5.388	5.380	5.371	5.361	5.350
33.75 A	184873	188789	192767	196808	200913	205084	209323	213632	218012	222465	226993	231598	236281	241045	245891	250822
B	5.437	5.436	5.434	5.432	5.429	5.425	5.421	5.416	5.411	5.404	5.397	5.390	5.382	5.373	5.363	5.353

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+DP*B)									
	542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572				
34.00 A	183930	187836	191803	195833	199928	204088	208317	212615	216985	221427	225944	230538	235211	239964	244800	249721				
B	5.436	5.435	5.434	5.432	5.429	5.426	5.422	5.417	5.411	5.405	5.399	5.391	5.383	5.375	5.365	5.355				
34.25 A	182990	186885	190841	194861	198945	203095	207313	211601	215960	220392	224898	229482	234144	238886	243712	248622				
B	5.435	5.435	5.434	5.432	5.429	5.426	5.422	5.418	5.412	5.407	5.400	5.393	5.385	5.377	5.368	5.358				
34.50 A	182052	185937	189883	193891	197965	202105	206312	210589	214937	219358	223855	228427	233079	237811	242626	247525				
B	5.435	5.434	5.433	5.431	5.429	5.426	5.423	5.418	5.413	5.408	5.401	5.395	5.387	5.379	5.370	5.360				
34.75 A	181117	184991	188926	192925	196987	201116	205313	209580	213917	218328	222813	227375	232016	236738	241542	246431				
B	5.434	5.434	5.433	5.431	5.429	5.426	5.423	5.419	5.414	5.409	5.403	5.396	5.389	5.381	5.372	5.363				
35.00 A	180184	184048	187972	191960	196012	200131	204317	208573	212900	217300	221774	226326	230956	235667	240461	245340				
B	5.433	5.433	5.432	5.431	5.429	5.427	5.423	5.420	5.415	5.410	5.404	5.398	5.391	5.383	5.374	5.365				
35.25 A	179254	183107	187021	190998	195040	199148	203323	207568	211885	216274	220738	225279	229899	234599	239382	244250				
B	5.432	5.432	5.432	5.431	5.429	5.427	5.424	5.420	5.416	5.411	5.405	5.399	5.392	5.385	5.377	5.368				
35.50 A	178326	182169	186072	190039	194070	198167	202332	206567	210872	215251	219704	224235	228844	233533	238306	243163				
B	5.431	5.431	5.431	5.430	5.429	5.427	5.424	5.421	5.417	5.412	5.407	5.401	5.394	5.387	5.379	5.370				
35.75 A	177402	181233	185126	189082	193103	197189	201343	205567	209862	214230	218673	223193	227791	232470	237232	242079				
B	5.430	5.431	5.431	5.430	5.429	5.427	5.425	5.421	5.418	5.413	5.408	5.402	5.396	5.389	5.381	5.373				
36.00 A	176479	180300	184183	188128	192138	196214	200357	204570	208855	213212	217644	222153	226741	231409	236161	240997				
B	5.429	5.430	5.430	5.430	5.429	5.427	5.425	5.422	5.418	5.414	5.409	5.404	5.397	5.391	5.383	5.375				
36.25 A	175560	179370	183242	187177	191176	195241	199374	203576	207850	212196	216618	221116	225693	230351	235092	239917				
B	5.428	5.429	5.430	5.429	5.429	5.427	5.425	5.422	5.419	5.415	5.410	5.405	5.399	5.392	5.385	5.377				
36.50 A	174642	178442	182304	186228	190216	194271	198393	202584	206847	211183	215594	220081	224648	229295	234025	238840				
B	5.427	5.428	5.429	5.429	5.429	5.427	5.425	5.423	5.420	5.416	5.411	5.406	5.401	5.394	5.387	5.379				
36.75 A	173728	177517	181368	185281	189259	193303	197414	201595	205847	210172	214572	219049	223605	228241	232961	237765				
B	5.426	5.427	5.428	5.429	5.428	5.427	5.426	5.423	5.420	5.417	5.413	5.408	5.402	5.396	5.389	5.382				
37.00 A	172816	176595	180435	184337	188304	192337	196438	200608	204850	209164	213553	218019	222564	227190	231899	236693				
B	5.425	5.427	5.428	5.428	5.428	5.427	5.426	5.424	5.421	5.418	5.414	5.409	5.404	5.398	5.391	5.384				
37.25 A	171907	175675	179504	183396	187352	191375	195465	199624	203855	208158	212537	216992	221526	226142	230840	235623				
B	5.424	5.426	5.427	5.428	5.428	5.427	5.426	5.424	5.422	5.419	5.415	5.410	5.405	5.400	5.393	5.386				
37.50 A	171000	174758	178576	182457	186403	190415	194494	198642	202862	207155	211523	215967	220491	225095	229783	234555				
B	5.423	5.425	5.426	5.427	5.428	5.427	5.426	5.425	5.422	5.419	5.416	5.412	5.407	5.401	5.395	5.388				
37.75 A	170096	173843	177651	181521	185456	189457	193525	197663	201872	206154	210511	214945	219458	224052	228728	233490				
B	5.421	5.424	5.426	5.427	5.427	5.427	5.426	5.425	5.423	5.420	5.417	5.413	5.408	5.403	5.397	5.391				

TEMP DEG C		DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE											
		542	544	546	548	550	552	554	556	558	560	562	564
38.00	A	169195	172931	176728	180588	184512	188502	192559	196687	200885	205156	209502	213925
	B	5.420	5.423	5.425	5.426	5.427	5.427	5.427	5.425	5.424	5.421	5.418	5.414
38.25	A	168296	172021	175808	179657	183570	187549	191596	195712	199900	204160	208496	212908
	B	5.419	5.422	5.424	5.426	5.427	5.427	5.427	5.426	5.424	5.422	5.419	5.415
38.50	A	167400	171114	174890	178728	182631	186599	190635	194741	198917	203167	207492	211893
	B	5.418	5.421	5.423	5.425	5.426	5.427	5.427	5.426	5.425	5.423	5.420	5.417
38.75	A	166506	170210	173975	177803	181694	185652	189677	193772	197938	202176	206490	210881
	B	5.417	5.420	5.423	5.425	5.426	5.427	5.427	5.426	5.425	5.423	5.421	5.418
39.00	A	165615	169308	173063	176879	180760	184707	188722	192805	196960	201188	205491	209871
	B	5.415	5.419	5.422	5.424	5.426	5.426	5.427	5.426	5.426	5.424	5.422	5.419
39.25	A	164727	168409	172153	175959	179829	183765	187768	191841	195985	200203	204495	208864
	B	5.414	5.418	5.421	5.423	5.425	5.426	5.427	5.427	5.426	5.425	5.423	5.420
39.50	A	163841	167513	171245	175041	178900	182825	186818	190880	195013	199219	203501	207859
	B	5.413	5.417	5.420	5.423	5.425	5.426	5.427	5.427	5.426	5.425	5.423	5.421
39.75	A	162958	166619	170341	174125	177974	181888	185870	189921	194043	198239	202509	206856
	B	5.411	5.415	5.419	5.422	5.424	5.426	5.427	5.427	5.427	5.426	5.424	5.422
40.00	A	162077	165728	169439	173212	177050	180953	184924	188965	193076	197261	201520	205856
	B	5.410	5.414	5.418	5.421	5.424	5.425	5.427	5.427	5.427	5.426	5.425	5.423
40.25	A	161199	164839	168539	172302	176129	180021	183981	188011	192111	196285	200533	204859
	B	5.408	5.413	5.417	5.420	5.423	5.425	5.427	5.427	5.428	5.427	5.426	5.424
40.50	A	160324	163953	167642	171394	175210	179092	183041	187060	191149	195312	199549	203864
	B	5.407	5.412	5.416	5.420	5.423	5.425	5.426	5.427	5.428	5.428	5.427	5.425
40.75	A	159452	163070	166748	170489	174294	178165	182103	186111	190190	194341	198568	202872
	B	5.406	5.411	5.415	5.419	5.422	5.424	5.426	5.428	5.428	5.428	5.427	5.426
41.00	A	158582	162189	165857	169587	173381	177241	181168	185165	189232	193373	197589	201882
	B	5.404	5.409	5.414	5.418	5.421	5.424	5.426	5.428	5.428	5.429	5.428	5.427
41.25	A	157714	161311	164968	168687	172470	176319	180235	184221	188278	192408	196612	200894
	B	5.403	5.408	5.413	5.417	5.421	5.424	5.426	5.428	5.428	5.429	5.429	5.428
41.50	A	156850	160435	164081	167790	171562	175400	179305	183280	187326	191445	195639	199909
	B	5.401	5.407	5.412	5.416	5.420	5.423	5.426	5.428	5.428	5.429	5.430	5.429
41.75	A	155988	159562	163197	166895	170656	174483	178378	182342	186376	190484	194667	198927
	B	5.400	5.405	5.411	5.415	5.419	5.423	5.426	5.428	5.429	5.430	5.430	5.430

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C															F=1/(A+DP*B) CUBIC METRE		
		542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572		
42.00	A	155128	158692	162316	166003	169753	173569	177453	181406	185429	189526	193698	197947	202275	206684	211177	215755		
	B	5.398	5.404	5.410	5.414	5.419	5.422	5.425	5.428	5.429	5.430	5.431	5.431	5.430	5.428	5.426	5.424		
42.25	A	154271	157824	161438	165113	168853	172658	176530	180472	184485	188571	192732	196970	201287	205685	210167	214734		
	B	5.396	5.403	5.408	5.414	5.418	5.422	5.425	5.428	5.429	5.431	5.431	5.431	5.430	5.428	5.426	5.425		
42.50	A	153417	156959	160562	164227	167955	171749	175611	179541	183543	187618	191768	195995	200301	204688	209159	213715		
	B	5.395	5.401	5.407	5.413	5.417	5.421	5.425	5.427	5.430	5.431	5.432	5.432	5.432	5.431	5.429	5.427		
42.75	A	152566	156097	159689	163342	167060	170843	174693	178613	182604	186668	190806	195022	199317	203694	208153	212699		
	B	5.393	5.400	5.406	5.412	5.416	5.421	5.424	5.427	5.430	5.431	5.433	5.433	5.433	5.432	5.431	5.429		
43.00	A	151717	155237	158818	162461	166167	169939	173779	177687	181667	185720	189848	194052	198336	202702	207150	211685		
	B	5.391	5.398	5.405	5.411	5.416	5.420	5.424	5.427	5.430	5.432	5.433	5.434	5.434	5.433	5.432	5.430		
43.25	A	150871	154380	157950	161582	165277	169038	172867	176764	180733	184774	188891	193085	197358	201712	206150	210674		
	B	5.390	5.397	5.404	5.409	5.415	5.419	5.424	5.427	5.430	5.432	5.434	5.435	5.435	5.435	5.434	5.432		
43.50	A	150027	153526	157084	160705	164390	168140	171957	175844	179801	183832	187937	192120	196382	200725	205152	209665		
	B	5.388	5.395	5.402	5.408	5.414	5.419	5.423	5.427	5.430	5.432	5.434	5.435	5.435	5.436	5.435	5.434		
43.75	A	149186	152674	156222	159831	163505	167244	171050	174926	178872	182892	186986	191158	195409	199741	204157	208658		
	B	5.386	5.394	5.401	5.407	5.413	5.418	5.423	5.427	5.430	5.433	5.435	5.436	5.437	5.437	5.436	5.435		
44.00	A	148348	151825	155362	158960	162623	166351	170146	174010	177946	181954	186037	190198	194438	198759	203163	207654		
	B	5.385	5.392	5.400	5.406	5.412	5.418	5.422	5.426	5.430	5.433	5.435	5.437	5.438	5.438	5.438	5.437		
44.25	A	147513	150978	154504	158092	161743	165460	169244	173097	177022	181019	185091	189241	193469	197779	202173	206653		
	B	5.383	5.391	5.398	5.405	5.411	5.417	5.422	5.426	5.430	5.433	5.435	5.437	5.438	5.439	5.439	5.438		
44.50	A	146680	150134	153649	157226	160866	164572	168345	172187	176100	180086	184147	188286	192503	196802	201185	205653		
	B	5.381	5.389	5.397	5.404	5.410	5.416	5.421	5.426	5.430	5.433	5.436	5.438	5.439	5.440	5.440	5.440		
44.75	A	145850	149293	152797	156363	159992	163686	167448	171279	175181	179156	183206	187333	191540	195828	200199	204657		
	B	5.379	5.388	5.395	5.403	5.409	5.415	5.421	5.425	5.430	5.433	5.436	5.438	5.440	5.441	5.442	5.441		
45.00	A	145022	148455	151947	155502	159120	162804	166554	170374	174265	178229	182268	186384	190579	194856	199216	203663		
	B	5.377	5.386	5.394	5.401	5.408	5.415	5.420	5.425	5.430	5.433	5.436	5.439	5.441	5.442	5.443	5.443		
45.25	A	144197	147619	151100	154644	158251	161923	165663	169471	173351	177304	181332	185436	189621	193886	198235	202671		
	B	5.375	5.384	5.393	5.400	5.407	5.414	5.420	5.425	5.429	5.433	5.437	5.439	5.442	5.443	5.444	5.444		
45.50	A	143375	146785	150256	153788	157384	161046	164774	168571	172440	176381	180398	184492	188665	192919	197257	201682		
	B	5.373	5.383	5.391	5.399	5.406	5.413	5.419	5.424	5.429	5.433	5.437	5.440	5.442	5.444	5.445	5.446		
45.75	A	142555	145955	149414	152936	156520	160171	163888	167674	171531	175462	179467	183549	187711	191955	196282	200695		
	B	5.371	5.381	5.390	5.398	5.405	5.412	5.418	5.424	5.429	5.433	5.437	5.440	5.443	5.445	5.446	5.447		

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C										F=1/(A+DP*B) CUBIC METRE									
		542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572				
46.00	A	141738	145127	148575	152085	155659	159298	163004	166779	170625	174544	178539	182610	186760	190993	195308	199711				
	B	5.370	5.379	5.388	5.396	5.404	5.411	5.418	5.424	5.429	5.433	5.437	5.441	5.444	5.446	5.447	5.448				
46.25	A	140924	144301	147739	151238	154800	158428	162123	165887	169722	173630	177613	181673	185812	190033	194338	198729				
	B	5.368	5.377	5.386	5.395	5.403	5.410	5.417	5.423	5.429	5.433	5.438	5.441	5.444	5.447	5.449	5.450				
46.50	A	140113	143479	146905	150393	153944	157561	161245	164997	168821	172718	176689	180738	184866	189076	193370	197749				
	B	5.366	5.376	5.385	5.394	5.402	5.409	5.416	5.423	5.428	5.433	5.438	5.442	5.445	5.448	5.450	5.451				
46.75	A	139304	142659	146074	149551	153091	156696	160369	164110	167923	171808	175768	179806	183923	188121	192404	196772				
	B	5.363	5.374	5.383	5.392	5.401	5.408	5.416	5.422	5.428	5.433	5.438	5.442	5.446	5.448	5.451	5.452				
47.00	A	138497	141842	145246	148711	152240	155834	159496	163226	167027	170901	174850	178876	182982	187169	191441	195798				
	B	5.361	5.372	5.382	5.391	5.399	5.407	5.415	5.422	5.428	5.433	5.438	5.442	5.446	5.449	5.452	5.454				
47.25	A	137694	141027	144420	147874	151392	154975	158625	162344	166134	169996	173934	177949	182044	186220	190480	194826				
	B	5.359	5.370	5.380	5.389	5.398	5.406	5.414	5.421	5.427	5.433	5.438	5.443	5.447	5.450	5.453	5.455				
47.50	A	136893	140215	143597	147040	150546	154118	157757	161464	165243	169095	173021	177025	181108	185273	189522	193857				
	B	5.357	5.368	5.378	5.388	5.397	5.405	5.413	5.420	5.427	5.433	5.438	5.443	5.447	5.451	5.454	5.456				
47.75	A	136095	139406	142776	146208	149704	153264	156891	160588	164355	168195	172111	176103	180175	184328	188566	192890				
	B	5.355	5.366	5.377	5.386	5.396	5.404	5.412	5.420	5.427	5.433	5.438	5.443	5.448	5.452	5.455	5.457				
48.00	A	135299	138599	141958	145379	148863	152412	156029	159714	163470	167299	171202	175184	179244	183387	187613	191925				
	B	5.353	5.364	5.375	5.385	5.394	5.403	5.412	5.419	5.426	5.433	5.438	5.444	5.448	5.452	5.456	5.458				
48.25	A	134507	137795	141143	144553	148026	151564	155168	158842	162587	166404	170297	174267	178316	182447	186662	190963				
	B	5.351	5.362	5.373	5.383	5.393	5.402	5.411	5.419	5.426	5.432	5.438	5.444	5.449	5.453	5.457	5.460				
48.50	A	133716	136994	140331	143729	147191	150717	154311	157973	161706	165513	169394	173353	177390	181510	185714	190004				
	B	5.349	5.360	5.371	5.382	5.392	5.401	5.410	5.418	5.425	5.432	5.438	5.444	5.449	5.454	5.457	5.461				
48.75	A	132929	136195	139521	142908	146358	149874	153456	157107	160829	164624	168494	172441	176467	180576	184768	189047				
	B	5.346	5.358	5.370	5.380	5.390	5.400	5.409	5.417	5.425	5.432	5.438	5.444	5.450	5.454	5.458	5.462				
49.00	A	132144	135399	138714	142090	145529	149032	152603	156243	159954	163737	167596	171532	175547	179644	183825	188092				
	B	5.344	5.356	5.368	5.379	5.389	5.399	5.408	5.416	5.424	5.432	5.438	5.444	5.450	5.455	5.459	5.463				
49.25	A	131362	134606	137909	141274	144701	148194	151754	155382	159081	162853	166701	170625	174629	178714	182884	187140				
	B	5.342	5.354	5.366	5.377	5.388	5.398	5.407	5.416	5.424	5.431	5.438	5.445	5.450	5.455	5.460	5.464				
49.50	A	130583	133815	137107	140461	143877	147358	150906	154523	158211	161972	165808	169721	173713	177788	181946	186191				
	B	5.339	5.352	5.364	5.375	5.386	5.396	5.406	5.415	5.423	5.431	5.438	5.445	5.451	5.456	5.461	5.465				
49.75	A	129806	133027	136308	139650	143055	146525	150062	153668	157344	161093	164918	168819	172800	176863	181010	185244				
	B	5.337	5.350	5.362	5.374	5.385	5.395	5.405	5.414	5.423	5.431	5.438	5.445	5.451	5.457	5.462	5.466				

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C										F=1/(A+DP*B) CUBIC METRE									
		542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572				
50.00	A	129032	132242	135512	138842	142236	145695	149220	152814	156479	160217	164030	167920	171890	175941	180077	184299				
	B	5.335	5.348	5.360	5.372	5.383	5.394	5.404	5.413	5.422	5.430	5.438	5.445	5.451	5.457	5.462	5.467				
50.25	A	128261	131460	134718	138037	141420	144867	148381	151963	155617	159344	163145	167024	170982	175022	179146	183357				
	B	5.332	5.346	5.358	5.370	5.382	5.393	5.403	5.412	5.421	5.430	5.438	5.445	5.452	5.458	5.463	5.468				
50.50	A	127492	130680	133927	137235	140606	144042	147544	151115	154758	158473	162263	166130	170077	174105	178218	182418				
	B	5.330	5.343	5.356	5.369	5.380	5.391	5.402	5.412	5.421	5.429	5.438	5.445	5.452	5.458	5.464	5.469				
50.75	A	126726	129903	133138	136435	139795	143219	146710	150270	153901	157604	161383	165239	169174	173191	177293	181481				
	B	5.328	5.341	5.354	5.367	5.379	5.390	5.401	5.411	5.420	5.429	5.437	5.445	5.452	5.458	5.464	5.470				
51.00	A	125963	129128	132353	135638	138986	142399	145879	149427	153046	156738	160505	164350	168274	172280	176370	180546				
	B	5.325	5.339	5.352	5.365	5.377	5.389	5.399	5.410	5.419	5.429	5.437	5.445	5.452	5.459	5.465	5.470				
51.25	A	125203	128357	131569	134843	138180	141582	145050	148587	152195	155875	159631	163464	167376	171370	175449	179614				
	B	5.323	5.337	5.350	5.363	5.375	5.387	5.398	5.409	5.419	5.428	5.437	5.445	5.452	5.459	5.466	5.471				
51.50	A	124445	127587	130789	134052	137377	140767	144224	147749	151345	155015	158759	162580	166481	170464	174531	178685				
	B	5.320	5.334	5.348	5.361	5.374	5.386	5.397	5.408	5.418	5.427	5.436	5.445	5.453	5.460	5.466	5.472				
51.75	A	123690	126821	130011	133262	136576	139955	143400	146914	150499	154156	157889	161699	165588	169560	173615	177758				
	B	5.318	5.332	5.346	5.359	5.372	5.384	5.396	5.407	5.417	5.427	5.436	5.445	5.453	5.460	5.467	5.473				
52.00	A	122938	126057	129236	132476	135778	139146	142579	146082	149655	153301	157022	160820	164698	168658	172702	176833				
	B	5.315	5.330	5.344	5.358	5.370	5.383	5.395	5.406	5.416	5.426	5.436	5.445	5.453	5.460	5.467	5.474				
52.25	A	122188	125296	128464	131692	134983	138339	141761	145252	148814	152448	156158	159944	163811	167759	171792	175911				
	B	5.312	5.327	5.342	5.356	5.369	5.381	5.393	5.405	5.416	5.426	5.435	5.444	5.453	5.461	5.468	5.474				
52.50	A	121441	124538	127694	130911	134191	137535	140946	144425	147975	151598	155296	159071	162926	166863	170884	174992				
	B	5.310	5.325	5.340	5.354	5.367	5.380	5.392	5.404	5.415	5.425	5.435	5.444	5.453	5.461	5.468	5.475				
52.75	A	120697	123783	126927	130133	133401	136733	140133	143600	147139	150750	154437	158200	162044	165969	169978	174075				
	B	5.307	5.323	5.337	5.352	5.365	5.378	5.391	5.403	5.414	5.424	5.435	5.444	5.453	5.461	5.469	5.476				
53.00	A	119956	123030	126163	129357	132613	135935	139322	142778	146305	149905	153580	157332	161164	165077	169075	173160				
	B	5.305	5.320	5.335	5.350	5.364	5.377	5.389	5.401	5.413	5.424	5.434	5.444	5.453	5.461	5.469	5.477				
53.25	A	119217	122280	125401	128584	131829	135138	138515	141959	145475	149063	152726	156466	160287	164189	168175	172248				
	B	5.302	5.318	5.333	5.348	5.362	5.375	5.388	5.400	5.412	5.423	5.434	5.444	5.453	5.462	5.470	5.477				
53.50	A	118481	121532	124642	127813	131047	134345	137710	141143	144646	148223	151875	155603	159412	163302	167277	171339				
	B	5.299	5.315	5.331	5.346	5.360	5.374	5.387	5.399	5.411	5.422	5.433	5.443	5.453	5.462	5.470	5.478				
53.75	A	117747	120787	123886	127046	130268	133554	136907	140329	143821	147386	151026	154743	158540	162419	166382	170432				
	B	5.296	5.313	5.328	5.344	5.358	5.372	5.385	5.398	5.410	5.422	5.433	5.443	5.453	5.462	5.470	5.478				

TEMP DEG C	COMPRESSION FACTOR PER KILOGRAM DENSITY AT 15 DEGREES C										F = 1/(1 - AT/100) CUBIC METRE									
	542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572				
54.00 A	117017	120045	123133	126281	129491	132766	136107	139517	142998	146551	150179	153885	157670	161537	165489	169528				
B	5.294	5.310	5.326	5.341	5.356	5.370	5.384	5.397	5.409	5.421	5.432	5.443	5.453	5.462	5.471	5.479				
54.25 A	116289	119306	122382	125518	128717	131981	135310	138709	142177	145719	149336	153030	156803	160659	164599	168626				
B	5.291	5.308	5.324	5.339	5.354	5.369	5.382	5.396	5.408	5.420	5.431	5.442	5.452	5.462	5.471	5.480				
54.50 A	115564	118570	121634	124759	127946	131198	134516	137902	141360	144890	148495	152177	155939	159783	163711	167727				
B	5.288	5.305	5.321	5.337	5.352	5.367	5.381	5.394	5.407	5.419	5.431	5.442	5.452	5.462	5.471	5.480				
54.75 A	114841	117836	120888	124002	127177	130418	133724	137099	140545	144063	147656	151327	155077	158909	162826	166830				
B	5.285	5.302	5.319	5.335	5.350	5.365	5.379	5.393	5.406	5.418	5.430	5.442	5.452	5.462	5.472	5.481				
55.00 A	114122	117104	120146	123248	126412	129640	132935	136298	139732	143239	146820	150479	154218	158038	161943	165936				
B	5.283	5.300	5.317	5.333	5.348	5.363	5.378	5.392	5.405	5.418	5.430	5.441	5.452	5.462	5.472	5.481				
55.25 A	113405	116376	119406	122496	125648	128865	132148	135500	138922	142417	145987	149634	153361	157170	161063	165044				
B	5.280	5.297	5.314	5.331	5.346	5.362	5.376	5.390	5.404	5.417	5.429	5.441	5.452	5.462	5.472	5.482				
55.50 A	112691	115650	118669	121747	124888	128093	131365	134705	138115	141598	145156	148792	152507	156304	160186	164155				
B	5.277	5.295	5.312	5.328	5.344	5.360	5.375	5.389	5.403	5.416	5.428	5.440	5.452	5.462	5.472	5.482				
55.75 A	111979	114927	117934	121001	124130	127324	130583	133912	137310	140782	144328	147952	151655	155441	159311	163268				
B	5.274	5.292	5.309	5.326	5.342	5.358	5.373	5.388	5.401	5.415	5.428	5.440	5.451	5.462	5.473	5.482				
56.00 A	111270	114207	117202	120258	123375	126557	129805	133121	136508	139968	143503	147115	150806	154580	158438	162384				
B	5.271	5.289	5.307	5.324	5.340	5.356	5.371	5.386	5.400	5.414	5.427	5.439	5.451	5.462	5.473	5.483				
56.25 A	110565	113490	116473	119517	122623	125793	129029	132334	135709	139157	142680	146280	149960	153722	157569	161502				
B	5.268	5.286	5.304	5.321	5.338	5.354	5.370	5.385	5.399	5.413	5.426	5.439	5.451	5.462	5.473	5.483				
56.50 A	109861	112775	115747	118779	121873	125031	128256	131549	134912	138348	141860	145448	149116	152866	156701	160623				
B	5.265	5.284	5.302	5.319	5.336	5.352	5.368	5.383	5.398	5.412	5.425	5.438	5.450	5.462	5.473	5.484				
56.75 A	109161	112063	115023	118043	121126	124273	127485	130767	134118	137543	141042	144619	148275	152013	155836	159747				
B	5.262	5.281	5.299	5.317	5.334	5.350	5.366	5.382	5.397	5.411	5.424	5.437	5.450	5.462	5.473	5.484				
57.00 A	108463	111353	114302	117311	120382	123517	126718	129987	133327	136739	140227	143792	147436	151163	154974	158873				
B	5.259	5.278	5.296	5.314	5.332	5.348	5.365	5.380	5.395	5.410	5.424	5.437	5.450	5.462	5.473	5.484				
57.25 A	107768	110647	113584	116581	119640	122763	125952	129210	132538	135939	139414	142967	146600	150315	154115	158001				
B	5.256	5.275	5.294	5.312	5.330	5.346	5.363	5.379	5.394	5.409	5.423	5.436	5.449	5.461	5.473	5.484				
57.50 A	107076	109943	112868	115854	118901	122012	125190	128436	131752	135141	138605	142146	145767	149470	153257	157133				
B	5.253	5.272	5.291	5.310	5.327	5.344	5.361	5.377	5.393	5.407	5.422	5.436	5.449	5.461	5.473	5.485				
57.75 A	106386	109242	112155	115129	118165	121264	124430	127664	130968	134345	137797	141327	144936	148627	152403	156266				
B	5.250	5.269	5.288	5.307	5.325	5.342	5.359	5.376	5.391	5.406	5.421	5.435	5.448	5.461	5.473	5.485				

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
		542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572	
58.00	A	105700	108543	111445	114407	117431	120519	123673	126895	130188	133553	136993	140510	144107	147787	151551	155402	
	B	5.246	5.266	5.286	5.305	5.323	5.340	5.357	5.374	5.390	5.405	5.420	5.434	5.448	5.461	5.473	5.485	
58.25	A	105016	107848	110738	113688	116700	119776	122919	126129	129409	132763	136191	139696	143282	146949	150702	154541	
	B	5.243	5.263	5.283	5.302	5.320	5.338	5.356	5.372	5.388	5.404	5.419	5.433	5.447	5.460	5.473	5.485	
58.50	A	104334	107155	110033	112972	115972	119036	122167	125365	128634	131975	135392	138885	142459	146114	149855	153682	
	B	5.240	5.261	5.280	5.300	5.318	5.336	5.354	5.371	5.387	5.403	5.418	5.433	5.447	5.460	5.473	5.485	
58.75	A	103656	106465	109332	112258	115247	118299	121418	124604	127861	131190	134595	138077	141638	145282	149010	152826	
	B	5.237	5.258	5.278	5.297	5.316	5.334	5.352	5.369	5.386	5.402	5.417	5.432	5.446	5.460	5.473	5.485	
59.00	A	102980	105777	108632	111547	114524	117565	120671	123846	127091	130408	133801	137271	140820	144452	148169	151973	
	B	5.234	5.254	5.275	5.294	5.313	5.332	5.350	5.367	5.384	5.400	5.416	5.431	5.445	5.459	5.473	5.486	
59.25	A	102307	105093	107936	110839	113804	116833	119927	123090	126323	129629	133009	136467	140005	143625	147329	151122	
	B	5.230	5.251	5.272	5.292	5.311	5.330	5.348	5.366	5.383	5.399	5.415	5.430	5.445	5.459	5.473	5.486	
59.50	A	101637	104411	107242	110134	113087	116104	119186	122337	125558	128852	132221	135666	139192	142800	146493	150273	
	B	5.227	5.248	5.269	5.289	5.309	5.328	5.346	5.364	5.381	5.398	5.414	5.429	5.444	5.459	5.472	5.486	
59.75	A	100970	103732	106551	109431	112372	115377	118448	121587	124796	128078	131434	134868	138382	141978	145659	149427	
	B	5.224	5.245	5.266	5.286	5.306	5.325	5.344	5.362	5.379	5.396	5.413	5.428	5.444	5.458	5.472	5.486	
60.00	A	100305	103055	105863	108731	111660	114653	117712	120839	124036	127306	130651	134073	137574	141159	144827	148584	
	B	5.220	5.242	5.263	5.284	5.304	5.323	5.342	5.360	5.378	5.395	5.412	5.427	5.443	5.458	5.472	5.486	

Not For Redistribution

COMPRESSION FACTOR PER KILOPASCAL F=1/(A+DP*B)
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604
-46.00 A	724144	731970	739868	747841	755888	764010	772210	780486	788841	797276	805791	814388	823067	831830	840677	849611
B	3.213	3.129	3.043	2.957	2.870	2.781	2.692	2.602	2.512	2.420	2.327	2.234	2.139	2.044	1.947	1.850
-45.75 A	722347	730166	738058	746024	754064	762180	770372	778643	786991	795420	803928	812519	821192	829949	838791	847719
B	3.224	3.139	3.054	2.968	2.881	2.793	2.704	2.615	2.524	2.432	2.340	2.247	2.152	2.057	1.961	1.864
-45.50 A	720553	728365	736249	744208	752242	760351	768537	776801	785143	793565	802068	810652	819319	828070	836906	845828
B	3.234	3.150	3.065	2.979	2.893	2.805	2.716	2.627	2.536	2.445	2.353	2.260	2.166	2.071	1.975	1.878
-45.25 A	718760	726565	734443	742395	750422	758524	766704	774961	783297	791712	800209	808787	817448	826193	835023	843940
B	3.245	3.161	3.076	2.991	2.904	2.817	2.728	2.639	2.549	2.458	2.366	2.273	2.179	2.084	1.989	1.892
-45.00 A	716969	724767	732638	740583	748603	756699	764872	773123	781452	789861	798352	806924	815579	824318	833142	842053
B	3.255	3.172	3.087	3.002	2.915	2.828	2.740	2.651	2.561	2.470	2.379	2.286	2.192	2.098	2.003	1.906
-44.75 A	715180	722971	730835	738774	746787	754876	763042	771287	779610	788012	796496	805062	813711	822444	831263	840168
B	3.266	3.182	3.098	3.013	2.927	2.840	2.752	2.663	2.573	2.483	2.391	2.299	2.206	2.111	2.016	1.920
-44.50 A	713393	721177	729034	736966	744972	753055	761215	769452	777769	786165	794643	803203	811845	820573	829385	838284
B	3.276	3.193	3.109	3.024	2.938	2.851	2.764	2.675	2.586	2.495	2.404	2.312	2.219	2.125	2.030	1.934
-44.25 A	711608	719385	727235	735160	743160	751236	759389	767620	775930	784320	792791	801345	809981	818703	827509	836403
B	3.287	3.204	3.120	3.035	2.949	2.863	2.776	2.687	2.598	2.508	2.417	2.325	2.232	2.138	2.044	1.948
-44.00 A	709825	717595	725438	733356	741349	749418	757565	765789	774093	782476	790941	799489	808119	816835	825635	834523
B	3.297	3.214	3.131	3.046	2.961	2.874	2.787	2.699	2.610	2.520	2.430	2.338	2.245	2.152	2.057	1.962
-43.75 A	708043	715807	723643	731554	739540	747603	755742	763960	772257	780635	789093	797635	806259	814968	823763	832645
B	3.307	3.225	3.141	3.057	2.972	2.886	2.799	2.711	2.622	2.533	2.442	2.351	2.258	2.165	2.071	1.976
-43.50 A	706264	714020	721850	729754	737733	745789	753922	762133	770424	778795	787247	795782	804401	813104	821893	830769
B	3.318	3.235	3.152	3.068	2.983	2.898	2.811	2.723	2.635	2.545	2.455	2.364	2.272	2.179	2.085	1.990
-43.25 A	704487	712236	720058	727955	735928	743977	752103	760308	768592	776957	785403	793932	802544	811241	820024	828895
B	3.328	3.246	3.163	3.079	2.995	2.909	2.822	2.735	2.647	2.558	2.468	2.377	2.285	2.192	2.098	2.004
-43.00 A	702711	710453	718269	726159	734125	742167	750287	758485	766763	775121	783561	792083	800689	809380	818158	827022
B	3.338	3.256	3.174	3.090	3.006	2.920	2.834	2.747	2.659	2.570	2.480	2.389	2.298	2.205	2.112	2.017
-42.75 A	700938	708673	716481	724365	732324	740359	748472	756664	764935	773287	781720	790236	798836	807521	816293	825151
B	3.348	3.267	3.185	3.101	3.017	2.932	2.846	2.759	2.671	2.582	2.493	2.402	2.311	2.219	2.125	2.031
-42.50 A	699166	706894	714696	722572	730524	738553	746659	754844	763109	771454	779881	788391	796985	805664	814429	823282
B	3.359	3.277	3.195	3.112	3.028	2.943	2.857	2.771	2.683	2.595	2.505	2.415	2.324	2.232	2.139	2.045
-42.25 A	697396	705117	712912	720781	728727	736749	744848	753027	761285	769623	778044	786548	795136	803809	812568	821415
B	3.369	3.288	3.206	3.123	3.039	2.955	2.869	2.783	2.695	2.607	2.518	2.428	2.337	2.245	2.152	2.059

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
		574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604	
-42.00	A	695628	703342	711130	718993	726931	734946	743039	751211	759462	767795	776209	784707	793288	801955	810708	819550	
	B	3.379	3.298	3.217	3.134	3.050	2.966	2.881	2.794	2.707	2.619	2.530	2.441	2.350	2.258	2.166	2.072	
-41.75	A	693862	701569	709350	717206	725137	733146	741232	749397	757642	765968	774376	782867	791442	800103	808851	817686	
	B	3.389	3.309	3.227	3.145	3.061	2.977	2.892	2.806	2.719	2.632	2.543	2.453	2.363	2.271	2.179	2.086	
-41.50	A	692098	699798	707572	715421	723345	731347	739426	747585	755823	764143	772544	781029	789599	798253	806995	815824	
	B	3.399	3.319	3.238	3.156	3.073	2.989	2.904	2.818	2.731	2.644	2.555	2.466	2.376	2.285	2.193	2.100	
-41.25	A	690336	698029	705796	713638	721555	729550	737623	745775	754007	762320	770715	779193	787756	796405	805141	813964	
	B	3.410	3.329	3.248	3.166	3.084	3.000	2.915	2.830	2.743	2.656	2.568	2.479	2.389	2.298	2.206	2.113	
-41.00	A	688576	696262	704022	711856	719767	727755	735821	743966	752192	760498	768887	777359	785916	794559	803288	812106	
	B	3.420	3.340	3.259	3.177	3.095	3.011	2.927	2.841	2.755	2.668	2.580	2.491	2.402	2.311	2.219	2.127	
-40.75	A	686818	694497	702249	710077	717981	725962	734022	742160	750379	758679	767061	775527	784078	792714	801438	810250	
	B	3.430	3.350	3.269	3.188	3.106	3.022	2.938	2.853	2.767	2.680	2.593	2.504	2.414	2.324	2.233	2.141	
-40.50	A	685062	692733	700479	708300	716197	724171	732224	740356	748568	756861	765237	773697	782241	790872	799589	808395	
	B	3.440	3.360	3.280	3.199	3.117	3.034	2.950	2.865	2.779	2.692	2.605	2.517	2.427	2.337	2.246	2.154	
-40.25	A	683308	690972	698710	706524	714414	722382	730428	738553	746758	755045	763415	771868	780407	789031	797742	806542	
	B	3.450	3.371	3.290	3.209	3.127	3.045	2.961	2.876	2.791	2.705	2.617	2.529	2.440	2.350	2.259	2.168	
-40.00	A	681555	689212	696944	704751	712634	720595	728634	736752	744951	753232	761595	770042	778574	787192	795897	804691	
	B	3.460	3.381	3.301	3.220	3.138	3.056	2.972	2.888	2.803	2.717	2.630	2.542	2.453	2.363	2.273	2.181	
-39.75	A	679805	687455	695179	702979	710855	718809	726841	734953	743146	751419	759776	768217	776743	785355	794054	802842	
	B	3.470	3.391	3.311	3.231	3.149	3.067	2.984	2.900	2.815	2.729	2.642	2.554	2.466	2.376	2.286	2.195	
-39.50	A	678056	685699	693417	701209	709079	717026	725051	733156	741342	749609	757960	766394	774913	783519	792213	800995	
	B	3.480	3.401	3.322	3.241	3.160	3.078	2.995	2.911	2.826	2.741	2.654	2.567	2.478	2.389	2.299	2.208	
-39.25	A	676310	683946	691656	699442	707304	715244	723263	731361	739540	747801	756145	764573	773086	781686	790373	799149	
	B	3.490	3.411	3.332	3.252	3.171	3.089	3.006	2.923	2.838	2.753	2.666	2.579	2.491	2.402	2.312	2.222	
-39.00	A	674565	682194	689897	697676	705531	713464	721476	729568	737740	745995	754332	762753	771260	779854	788535	797305	
	B	3.500	3.421	3.342	3.263	3.182	3.100	3.018	2.934	2.850	2.765	2.679	2.592	2.504	2.415	2.326	2.235	
-38.75	A	672823	680444	688140	695912	703760	711687	719692	727776	735942	744190	752521	760936	769437	778024	786699	795464	
	B	3.509	3.432	3.353	3.273	3.193	3.111	3.029	2.946	2.862	2.777	2.691	2.604	2.517	2.428	2.339	2.248	
-38.50	A	671082	678696	686385	694150	701991	709911	717909	725987	734146	742387	750712	759120	767615	776196	784865	793623	
	B	3.519	3.442	3.363	3.284	3.203	3.122	3.040	2.957	2.873	2.789	2.703	2.617	2.529	2.441	2.352	2.262	
-38.25	A	669343	676950	684632	692390	700224	708137	716128	724199	732352	740586	748904	757307	765795	774370	783033	791785	
	B	3.529	3.452	3.373	3.294	3.214	3.133	3.051	2.969	2.885	2.801	2.715	2.629	2.542	2.454	2.365	2.275	

COMPRESSION FACTOR PER KILOPASCAL
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

F=1/(A+DP*B)

574 576 578 580 582 584 586 588 590 592 594 596 598 600 602 604

TEMP
DEG C

-38.00	A	667606	675206	682881	690632	698459	706365	714349	722414	730559	738787	747099	755495	763977	772545	781202	789949
	B	3.539	3.462	3.384	3.305	3.225	3.144	3.063	2.980	2.897	2.812	2.727	2.641	2.554	2.467	2.378	2.288
-37.75	A	665872	673464	681132	688875	696696	704594	712572	720630	728769	736990	745295	753685	762160	770723	779374	788114
	B	3.549	3.472	3.394	3.315	3.236	3.155	3.074	2.991	2.908	2.824	2.739	2.654	2.567	2.479	2.391	2.302
-37.50	A	664139	671724	679385	687121	694935	702826	710797	718848	726980	735195	743493	751877	760346	768902	777547	786281
	B	3.558	3.482	3.404	3.326	3.246	3.166	3.085	3.003	2.920	2.836	2.752	2.666	2.580	2.492	2.404	2.315
-37.25	A	662408	669986	677639	685369	693175	701060	709024	717068	725194	733402	741694	750070	758533	767083	775722	784450
	B	3.568	3.492	3.414	3.336	3.257	3.177	3.096	3.014	2.932	2.848	2.764	2.678	2.592	2.505	2.417	2.328
-37.00	A	660679	668250	675896	683618	691418	699295	707252	715290	723409	731610	739896	748266	756722	765266	773899	782621
	B	3.578	3.502	3.424	3.346	3.268	3.188	3.107	3.026	2.943	2.860	2.776	2.691	2.605	2.518	2.430	2.341
-36.75	A	658952	666516	674155	681870	689662	697533	705483	713514	721626	729821	738099	746463	754913	763451	772077	780794
	B	3.588	3.512	3.435	3.357	3.278	3.199	3.118	3.037	2.955	2.872	2.788	2.703	2.617	2.530	2.443	2.355
-36.50	A	657227	664783	672415	680123	687908	695772	703716	711739	719845	728033	736305	744663	753106	761638	770258	778968
	B	3.597	3.521	3.445	3.367	3.289	3.209	3.129	3.048	2.966	2.883	2.800	2.715	2.630	2.543	2.456	2.368
-36.25	A	655504	663053	670678	678378	686157	694014	701950	709967	718066	726247	734513	742864	751301	759826	768440	777144
	B	3.607	3.531	3.455	3.377	3.299	3.220	3.140	3.059	2.978	2.895	2.812	2.727	2.642	2.556	2.469	2.381
-36.00	A	653783	661325	668942	676636	684407	692257	700186	708196	716288	724463	732722	741067	749498	758016	766624	775323
	B	3.616	3.541	3.465	3.388	3.310	3.231	3.151	3.071	2.989	2.907	2.823	2.739	2.654	2.568	2.482	2.394
-35.75	A	652064	659598	667208	674895	682659	690502	698424	706428	714513	722681	730934	739272	747696	756209	764810	773503
	B	3.626	3.551	3.475	3.398	3.320	3.242	3.162	3.082	3.001	2.918	2.835	2.752	2.667	2.581	2.495	2.407
-35.50	A	650346	657874	665477	673156	680913	688749	696665	704661	712739	720901	729147	737478	745896	754403	762998	771684
	B	3.636	3.561	3.485	3.408	3.331	3.252	3.173	3.093	3.012	2.930	2.847	2.764	2.679	2.594	2.507	2.420
-35.25	A	648631	656151	663747	671419	679169	686998	694907	702896	710968	719123	727362	735687	744099	752599	761188	769868
	B	3.645	3.570	3.495	3.419	3.341	3.263	3.184	3.104	3.023	2.942	2.859	2.776	2.691	2.606	2.520	2.433
-35.00	A	646918	654431	662019	669684	677427	685249	693151	701133	709198	717346	725579	733897	742303	750796	759379	768053
	B	3.655	3.580	3.505	3.429	3.352	3.274	3.195	3.115	3.035	2.953	2.871	2.788	2.704	2.619	2.533	2.446
-34.75	A	645207	652712	660293	667951	675687	683502	691396	699372	707430	715572	723798	732110	740509	748996	757573	766241
	B	3.664	3.590	3.515	3.439	3.362	3.284	3.206	3.126	3.046	2.965	2.883	2.800	2.716	2.631	2.546	2.459
-34.50	A	643498	650996	658569	666220	673949	681757	689644	697613	705664	713799	722019	730324	738716	747197	755768	764430
	B	3.674	3.600	3.525	3.449	3.372	3.295	3.217	3.137	3.057	2.976	2.895	2.812	2.728	2.644	2.559	2.472
-34.25	A	641790	649281	656848	664491	672213	680013	687894	695856	703900	712028	720241	728540	736926	745401	753965	762621
	B	3.683	3.609	3.535	3.459	3.383	3.306	3.227	3.148	3.069	2.988	2.906	2.824	2.741	2.656	2.571	2.485

TEMP DEG C	COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604	
-34.00 A	640085	647568	655128	662764	670478	678272	686146	694101	702138	710260	718466	726758	735138	743606	752164	760814	
-34.00 B	3.692	3.619	3.545	3.469	3.393	3.316	3.238	3.160	3.080	2.999	2.918	2.836	2.753	2.669	2.584	2.498	
-33.75 A	638382	645858	653410	661039	668746	676532	684399	692347	700378	708493	716692	724978	733351	741813	750365	759008	
-33.75 B	3.702	3.629	3.554	3.479	3.403	3.327	3.249	3.171	3.091	3.011	2.930	2.848	2.765	2.681	2.597	2.511	
-33.50 A	636680	644149	651694	659315	667016	674795	682655	690596	698620	706728	714920	723199	731566	740022	748567	757205	
-33.50 B	3.711	3.638	3.564	3.489	3.414	3.337	3.260	3.181	3.102	3.022	2.941	2.860	2.777	2.694	2.609	2.524	
-33.25 A	634981	642442	649980	657594	665287	673059	680912	688846	696863	704964	713150	721423	729783	738232	746772	755403	
-33.25 B	3.721	3.648	3.574	3.499	3.424	3.348	3.270	3.192	3.114	3.034	2.953	2.872	2.789	2.706	2.622	2.537	
-33.00 A	633283	640737	648267	655875	663561	671326	679171	687099	695109	703203	711383	719649	728002	736445	744978	753603	
-33.00 B	3.730	3.657	3.584	3.509	3.434	3.358	3.281	3.203	3.125	3.045	2.965	2.883	2.801	2.718	2.634	2.550	
-32.75 A	631588	639034	646557	654157	661836	669594	677433	685353	693356	701444	709617	717876	726223	734659	743186	751805	
-32.75 B	3.739	3.667	3.594	3.519	3.444	3.369	3.292	3.214	3.136	3.057	2.976	2.895	2.813	2.731	2.647	2.562	
-32.50 A	629894	637334	644849	652442	660113	667864	675696	683609	691606	699686	707852	716105	724446	732876	741396	750009	
-32.50 B	3.748	3.676	3.603	3.529	3.455	3.379	3.303	3.225	3.147	3.068	2.988	2.907	2.825	2.743	2.660	2.575	
-32.25 A	628203	635635	643143	650729	658393	666136	673961	681867	689857	697931	706090	714336	722670	731094	739608	748215	
-32.25 B	3.758	3.686	3.613	3.539	3.465	3.389	3.313	3.236	3.158	3.079	3.000	2.919	2.838	2.755	2.672	2.588	
-32.00 A	626514	633938	641439	649017	656674	664411	672228	680127	688110	696177	704330	712569	720897	729314	737822	746422	
-32.00 B	3.767	3.695	3.623	3.549	3.475	3.400	3.324	3.247	3.169	3.091	3.011	2.931	2.850	2.767	2.685	2.601	
-31.75 A	624826	632243	639736	647307	654957	662687	670497	678389	686365	694425	702571	710804	719125	727536	736038	744632	
-31.75 B	3.776	3.705	3.632	3.559	3.485	3.410	3.334	3.258	3.180	3.102	3.023	2.942	2.862	2.780	2.697	2.613	
-31.50 A	623141	630550	638036	645600	653242	660965	668768	676653	684622	692676	700815	709041	717355	725760	734255	742843	
-31.50 B	3.785	3.714	3.642	3.569	3.495	3.420	3.345	3.268	3.191	3.113	3.034	2.954	2.873	2.792	2.709	2.626	
-31.25 A	621457	628859	636338	643894	651529	659245	667041	674919	682881	690928	699060	707280	715588	723985	732474	741056	
-31.25 B	3.794	3.723	3.651	3.579	3.505	3.431	3.355	3.279	3.202	3.124	3.046	2.966	2.885	2.804	2.722	2.639	
-31.00 A	619776	627170	634641	642191	649819	657526	665316	673187	681142	689182	697307	705520	713822	722213	730696	739271	
-31.00 B	3.803	3.733	3.661	3.589	3.515	3.441	3.366	3.290	3.213	3.136	3.057	2.978	2.897	2.816	2.734	2.651	
-30.75 A	618096	625483	632947	640489	648110	655810	663592	671457	679405	687437	695556	703763	712057	720442	728919	737488	
-30.75 B	3.813	3.742	3.671	3.598	3.525	3.451	3.376	3.301	3.224	3.147	3.068	2.989	2.909	2.828	2.747	2.664	
-30.50 A	616419	623798	631255	638789	646403	654096	661871	669728	677669	685695	693807	702007	710295	718674	727144	735706	
-30.50 B	3.822	3.751	3.680	3.608	3.535	3.461	3.387	3.311	3.235	3.158	3.080	3.001	2.921	2.840	2.759	2.677	
-30.25 A	614743	622115	629564	637091	644698	652384	660152	668002	675936	683955	692060	700253	708535	716907	725370	733927	
-30.25 B	3.831	3.761	3.690	3.618	3.545	3.472	3.397	3.322	3.246	3.169	3.091	3.012	2.933	2.853	2.771	2.689	

COMPRESSION FACTOR PER KILOPASCAL F=1/(A+DP*B)
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604
-30.00 A	613070	620434	627876	635396	642994	650674	658434	666277	674204	682217	690315	698501	706776	715142	723599	732149
B	3.840	3.770	3.699	3.628	3.555	3.482	3.408	3.333	3.257	3.180	3.103	3.024	2.945	2.865	2.784	2.702
-29.75 A	611398	618755	626189	633702	641293	648965	656719	664555	672475	680480	688572	696751	705020	713379	721830	730373
B	3.849	3.779	3.709	3.637	3.565	3.492	3.418	3.343	3.268	3.191	3.114	3.036	2.957	2.877	2.796	2.714
-29.50 A	609729	617078	624505	632010	639594	647259	655005	662834	670747	678746	686831	695003	703265	711618	720062	728600
B	3.858	3.788	3.718	3.647	3.575	3.502	3.428	3.354	3.278	3.202	3.125	3.047	2.968	2.889	2.808	2.727
-29.25 A	608061	615403	622823	630320	637897	645554	653294	661116	669022	677013	685091	693257	701512	709858	718296	726828
B	3.867	3.797	3.727	3.657	3.585	3.512	3.439	3.364	3.289	3.213	3.136	3.059	2.980	2.901	2.820	2.739
-29.00 A	606396	613730	621142	628632	636202	643852	651584	659399	667298	675282	683354	691513	699761	708101	716532	725057
B	3.876	3.807	3.737	3.666	3.595	3.522	3.449	3.375	3.300	3.224	3.148	3.070	2.992	2.913	2.833	2.752
-28.75 A	604732	612059	619464	626946	634509	642151	649876	657684	665576	673554	681618	689770	698012	706345	714770	723289
B	3.884	3.816	3.746	3.676	3.604	3.532	3.459	3.386	3.311	3.235	3.159	3.082	3.004	2.925	2.845	2.764
-28.50 A	603071	610390	617787	625262	632817	640453	648170	655971	663856	671827	679884	688030	696265	704592	713010	721523
B	3.893	3.825	3.755	3.685	3.614	3.542	3.470	3.396	3.322	3.246	3.170	3.093	3.015	2.936	2.857	2.776
-28.25 A	601411	608723	616113	623580	631128	638756	646467	654260	662138	670102	678152	686291	694520	702840	711252	719758
B	3.902	3.834	3.765	3.695	3.624	3.552	3.480	3.406	3.332	3.257	3.181	3.104	3.027	2.948	2.869	2.789
-28.00 A	599754	607058	614440	621901	629441	637062	644765	652551	660422	668379	676423	684555	692777	701090	709496	717995
B	3.911	3.843	3.774	3.704	3.634	3.562	3.490	3.417	3.343	3.268	3.192	3.116	3.038	2.960	2.881	2.801
-27.75 A	598098	605395	612770	620223	627755	635369	643065	650844	658708	666658	674695	682820	691035	699342	707741	716235
B	3.920	3.852	3.783	3.714	3.643	3.572	3.500	3.427	3.354	3.279	3.204	3.127	3.050	2.972	2.893	2.813
-27.50 A	596445	603734	611101	618547	626072	633678	641367	649139	656996	664939	672969	681087	689296	697596	705989	714476
B	3.929	3.861	3.793	3.723	3.653	3.582	3.510	3.438	3.364	3.290	3.215	3.139	3.062	2.984	2.905	2.826
-27.25 A	594793	602075	609434	616873	624391	631990	639671	647436	655286	663221	671244	679356	687558	695852	704238	712718
B	3.937	3.870	3.802	3.733	3.663	3.592	3.521	3.448	3.375	3.301	3.226	3.150	3.073	2.996	2.917	2.838
-27.00 A	593144	600418	607770	615201	622711	630303	637977	645735	653577	661506	669522	677627	685823	694109	702489	710963
B	3.946	3.879	3.811	3.742	3.673	3.602	3.531	3.458	3.385	3.311	3.237	3.161	3.085	3.007	2.929	2.850
-26.75 A	591497	598763	606107	613531	621034	628618	636285	644036	651871	659793	667802	675900	684089	692369	700742	709210
B	3.955	3.888	3.820	3.752	3.682	3.612	3.541	3.469	3.396	3.322	3.248	3.172	3.096	3.019	2.941	2.863
-26.50 A	589851	597110	604447	611863	619358	626935	634595	642338	650167	658081	666084	674175	682357	690630	698997	707458
B	3.963	3.897	3.829	3.761	3.692	3.622	3.551	3.479	3.406	3.333	3.259	3.184	3.108	3.031	2.953	2.875
-26.25 A	588208	595459	602788	610197	617685	625255	632907	640643	648464	656372	664367	672452	680627	688894	697254	705709
B	3.972	3.906	3.838	3.770	3.701	3.631	3.561	3.489	3.417	3.344	3.270	3.195	3.119	3.043	2.965	2.887

TEMP DEG C	COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604	
-26.00 A	586567	593810	601132	608533	616013	623576	631221	638950	646764	654664	662653	670730	678899	687159	695513	703961	
-26.00 B	3.981	3.915	3.847	3.780	3.711	3.641	3.571	3.500	3.427	3.355	3.281	3.206	3.131	3.054	2.977	2.899	
-25.75 A	584927	592163	599477	606870	614344	621899	629537	637258	645065	652959	660940	669011	677172	685426	693773	702215	
-25.75 B	3.989	3.923	3.857	3.789	3.720	3.651	3.581	3.510	3.438	3.365	3.292	3.217	3.142	3.066	2.989	2.911	
-25.50 A	583290	590518	597825	605210	612676	620224	627854	635569	643369	651255	659230	667294	675448	683695	692036	700471	
-25.50 B	3.998	3.932	3.866	3.798	3.730	3.661	3.591	3.520	3.448	3.376	3.303	3.228	3.153	3.077	3.001	2.923	
-25.25 A	581655	588876	596174	603552	611011	618551	626174	633881	641674	649553	657521	665578	673726	681966	690300	698729	
-25.25 B	4.006	3.941	3.875	3.807	3.739	3.670	3.601	3.530	3.459	3.387	3.313	3.239	3.165	3.089	3.013	2.935	
-25.00 A	580022	587235	594526	601896	609347	616880	624496	632196	639981	647854	655814	663864	672005	680239	688566	696989	
-25.00 B	4.015	3.950	3.884	3.817	3.749	3.680	3.611	3.540	3.469	3.397	3.324	3.251	3.176	3.101	3.024	2.947	
-24.75 A	578391	585596	592879	600242	607686	615211	622820	630512	638291	646156	654109	662153	670287	678514	686835	695251	
-24.75 B	4.023	3.958	3.893	3.826	3.758	3.690	3.621	3.550	3.480	3.408	3.335	3.262	3.187	3.112	3.036	2.959	
-24.50 A	576762	583959	591235	598590	606026	613544	621145	628831	636602	644460	652406	660443	668570	676790	685105	693514	
-24.50 B	4.032	3.967	3.901	3.835	3.768	3.699	3.630	3.561	3.490	3.418	3.346	3.273	3.199	3.124	3.048	2.971	
-24.25 A	575134	582324	589593	596940	604369	611879	619473	627151	634915	642766	650705	658735	666856	675069	683377	691780	
-24.25 B	4.040	3.976	3.910	3.844	3.777	3.709	3.640	3.571	3.500	3.429	3.357	3.284	3.210	3.135	3.060	2.983	
-24.00 A	573509	580692	587952	595292	602713	610216	617803	625473	633230	641074	649006	657029	665143	673349	681650	690047	
-24.00 B	4.049	3.984	3.919	3.853	3.786	3.719	3.650	3.581	3.510	3.439	3.367	3.295	3.221	3.147	3.071	2.995	
-23.75 A	571886	579061	586314	593646	601060	608555	616134	623798	631547	639384	647309	655325	663432	671632	679926	688317	
-23.75 B	4.057	3.993	3.928	3.862	3.796	3.728	3.660	3.591	3.521	3.450	3.378	3.306	3.232	3.158	3.083	3.007	
-23.50 A	570265	577432	584677	592002	599408	606896	614468	622124	629866	637696	645614	653623	661723	669916	678204	686588	
-23.50 B	4.066	4.002	3.937	3.871	3.805	3.738	3.670	3.601	3.531	3.460	3.389	3.317	3.244	3.170	3.095	3.019	
-23.25 A	568647	575805	583043	590360	597759	605239	612803	620452	628187	636010	643921	651923	660016	668202	676483	684861	
-23.25 B	4.074	4.010	3.946	3.880	3.814	3.747	3.679	3.611	3.541	3.471	3.400	3.328	3.255	3.181	3.106	3.031	
-23.00 A	567030	574181	581411	588720	596111	603584	611141	618782	626510	634326	642230	650224	658311	666491	674765	683136	
-23.00 B	4.082	4.019	3.955	3.889	3.824	3.757	3.689	3.621	3.551	3.481	3.410	3.338	3.266	3.192	3.118	3.043	
-22.75 A	565415	572558	579780	587082	594466	601931	609480	617115	624835	632643	640540	648528	656608	664781	673048	681413	
-22.75 B	4.091	4.027	3.963	3.898	3.833	3.766	3.699	3.631	3.562	3.492	3.421	3.349	3.277	3.204	3.130	3.055	
-22.50 A	563802	570938	578152	585446	592822	600280	607822	615449	623162	630963	638853	646834	654906	663073	671334	679691	
-22.50 B	4.099	4.036	3.972	3.907	3.842	3.776	3.708	3.640	3.572	3.502	3.432	3.360	3.288	3.215	3.141	3.067	
-22.25 A	562191	569319	576526	583813	591181	598631	606165	613785	621491	629285	637168	645141	653207	661366	669621	677972	
-22.25 B	4.107	4.044	3.981	3.916	3.851	3.785	3.718	3.650	3.582	3.512	3.442	3.371	3.299	3.226	3.153	3.078	

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+DP*B)									
		574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604				
-22.00	A	560583	567703	574902	582181	589541	596984	604511	612123	619822	627608	635484	643451	651510	659662	667910	676254				
	B	4.115	4.053	3.990	3.925	3.860	3.794	3.728	3.660	3.592	3.523	3.453	3.382	3.310	3.238	3.164	3.090				
-21.75	A	558976	566088	573279	580551	587904	595339	602858	610463	618155	625934	633803	641762	649814	657960	666201	674539				
	B	4.124	4.061	3.998	3.934	3.869	3.804	3.737	3.670	3.602	3.533	3.463	3.393	3.321	3.249	3.176	3.102				
-21.50	A	557371	564476	571659	578923	586268	593696	601208	608805	616489	624261	632123	640076	648121	656260	664494	672825				
	B	4.132	4.070	4.007	3.943	3.879	3.813	3.747	3.680	3.612	3.543	3.474	3.403	3.332	3.260	3.187	3.113				
-21.25	A	555769	562865	570041	577297	584635	592055	599559	607149	614826	622591	630446	638391	646429	654561	662789	671113				
	B	4.140	4.078	4.015	3.952	3.888	3.822	3.756	3.690	3.622	3.554	3.484	3.414	3.343	3.271	3.199	3.125				
-21.00	A	554168	561257	568425	575673	583003	590416	597913	605495	613165	620923	628770	636708	644739	652865	661086	669404				
	B	4.148	4.087	4.024	3.961	3.897	3.832	3.766	3.699	3.632	3.564	3.495	3.425	3.354	3.282	3.210	3.137				
-20.75	A	552570	559651	566811	574051	581374	588779	596268	603844	611506	619256	627096	635028	643052	651170	659384	667696				
	B	4.156	4.095	4.033	3.970	3.906	3.841	3.776	3.709	3.642	3.574	3.505	3.435	3.365	3.294	3.221	3.148				
-20.50	A	550973	558047	565199	572432	579746	587144	594626	602194	609848	617591	625424	633349	641366	649477	657685	665990				
	B	4.164	4.103	4.041	3.978	3.915	3.850	3.785	3.719	3.652	3.584	3.516	3.446	3.376	3.305	3.233	3.160				
-20.25	A	549379	556444	563589	570814	578121	585511	592985	600546	608193	615929	623755	631672	639682	647787	655987	664286				
	B	4.172	4.112	4.050	3.987	3.924	3.860	3.794	3.729	3.662	3.594	3.526	3.457	3.387	3.316	3.244	3.172				
-20.00	A	547787	554844	561981	569198	576498	583880	591347	598900	606540	614268	622087	629997	638000	646098	654292	662583				
	B	4.180	4.120	4.058	3.996	3.933	3.869	3.804	3.738	3.672	3.604	3.536	3.467	3.398	3.327	3.255	3.183				
-19.75	A	546197	553246	560375	567585	574876	582251	589710	597256	604888	612609	620421	628324	636320	644411	652598	660883				
	B	4.188	4.128	4.067	4.005	3.942	3.878	3.813	3.748	3.682	3.615	3.547	3.478	3.408	3.338	3.267	3.195				
-19.50	A	544609	551650	558771	565973	573257	580624	588076	595614	603239	610953	618757	626653	634642	642726	650906	659185				
	B	4.196	4.136	4.075	4.013	3.951	3.887	3.823	3.757	3.691	3.625	3.557	3.488	3.419	3.349	3.278	3.206				
-19.25	A	543023	550056	557169	564363	571640	578999	586443	593974	601591	609298	617095	624984	632966	641043	649217	657488				
	B	4.204	4.144	4.084	4.022	3.959	3.896	3.832	3.767	3.701	3.635	3.567	3.499	3.430	3.360	3.289	3.218				
-19.00	A	541439	548464	555570	562756	570024	577376	584813	592336	599946	607645	615435	623317	631292	639362	647529	655794				
	B	4.212	4.153	4.092	4.031	3.968	3.905	3.841	3.777	3.711	3.645	3.578	3.509	3.441	3.371	3.300	3.229				
-18.75	A	539857	546874	553972	561150	568411	575755	583184	590700	598303	605995	613777	621652	629620	637683	645843	654101				
	B	4.220	4.161	4.100	4.039	3.977	3.914	3.851	3.786	3.721	3.655	3.588	3.520	3.451	3.382	3.312	3.241				
-18.50	A	538277	545287	552376	559547	566800	574136	581558	589066	596661	604346	612121	619988	627950	636006	644159	652410				
	B	4.228	4.169	4.109	4.048	3.986	3.923	3.860	3.796	3.731	3.665	3.598	3.530	3.462	3.393	3.323	3.252				
-18.25	A	536699	543701	550783	557945	565191	572519	579933	587434	595022	602699	610467	618327	626281	634331	642477	650721				
	B	4.236	4.177	4.117	4.056	3.995	3.932	3.869	3.805	3.740	3.675	3.608	3.541	3.473	3.404	3.334	3.263				

		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
TEMP DEG C		574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604	
-18.00	A	535123	542117	549191	556346	563583	570905	578311	585804	593384	601054	608815	616668	624615	632657	640797	649034	
	B	4.244	4.185	4.125	4.065	4.004	3.941	3.878	3.815	3.750	3.685	3.618	3.551	3.483	3.415	3.345	3.275	
-17.75	A	533550	540536	547602	554749	561978	569292	576690	584176	591749	599411	607165	615011	622950	630986	639118	647349	
	B	4.252	4.193	4.134	4.073	4.012	3.950	3.888	3.824	3.760	3.694	3.628	3.562	3.494	3.426	3.356	3.286	
-17.50	A	531978	538956	546014	553153	560375	567681	575072	582550	590115	597770	605517	613355	621288	629316	637442	645666	
	B	4.260	4.201	4.142	4.082	4.021	3.959	3.897	3.833	3.769	3.704	3.639	3.572	3.505	3.436	3.367	3.297	
-17.25	A	530409	537379	544429	551560	558774	566072	573456	580926	588484	596132	603870	611702	619628	627649	635768	643985	
	B	4.267	4.209	4.150	4.090	4.030	3.968	3.906	3.843	3.779	3.714	3.649	3.582	3.515	3.447	3.378	3.309	
-17.00	A	528841	535803	542845	549969	557175	564465	571841	579304	586854	594495	602226	610051	617969	625983	634095	642306	
	B	4.275	4.217	4.158	4.099	4.038	3.977	3.915	3.852	3.789	3.724	3.659	3.593	3.526	3.458	3.389	3.320	
-16.75	A	527276	534230	541264	548380	555578	562861	570229	577684	585227	592860	600584	608401	616312	624320	632425	640629	
	B	4.283	4.225	4.167	4.107	4.047	3.986	3.924	3.862	3.798	3.734	3.669	3.603	3.536	3.469	3.400	3.331	
-16.50	A	525713	532659	539685	546793	553983	561258	568618	576066	583601	591227	598944	606754	614658	622658	630756	638953	
	B	4.291	4.233	4.175	4.116	4.056	3.995	3.933	3.871	3.808	3.744	3.679	3.613	3.547	3.479	3.411	3.342	
-16.25	A	524151	531089	538108	545208	552390	559657	567010	574450	581978	589596	597306	605108	613005	620998	629090	637280	
	B	4.298	4.241	4.183	4.124	4.064	4.004	3.942	3.880	3.817	3.753	3.689	3.623	3.557	3.490	3.422	3.354	
-16.00	A	522592	529522	536533	543625	550800	558059	565404	572836	580356	587967	595669	603465	611355	619341	627425	635609	
	B	4.306	4.249	4.191	4.132	4.073	4.013	3.951	3.889	3.827	3.763	3.699	3.634	3.568	3.501	3.433	3.365	
-15.75	A	521035	527957	534960	542044	549211	556462	563799	571224	578737	586340	594035	601823	609706	617685	625762	633939	
	B	4.313	4.257	4.199	4.141	4.081	4.021	3.960	3.899	3.836	3.773	3.709	3.644	3.578	3.512	3.444	3.376	
-15.50	A	519480	526394	533389	540465	547624	554868	562197	569614	577119	584715	592403	600183	608059	616031	624101	632271	
	B	4.321	4.264	4.207	4.149	4.090	4.030	3.969	3.908	3.846	3.783	3.719	3.654	3.588	3.522	3.455	3.387	
-15.25	A	517928	524833	531820	538888	546039	553275	560597	568006	575504	583092	590772	598546	606414	614379	622442	630606	
	B	4.329	4.272	4.215	4.157	4.098	4.039	3.978	3.917	3.855	3.792	3.729	3.664	3.599	3.533	3.466	3.398	
-15.00	A	516377	523275	530253	537313	544457	551685	558999	566400	573890	581471	589144	596910	604771	612729	620786	628942	
	B	4.336	4.280	4.223	4.165	4.107	4.047	3.987	3.926	3.865	3.802	3.738	3.674	3.609	3.543	3.477	3.409	
-14.75	A	514828	521718	528688	535740	542876	550096	557402	564796	572279	579852	587518	595276	603130	611081	619131	627280	
	B	4.344	4.288	4.231	4.174	4.115	4.056	3.996	3.935	3.874	3.812	3.748	3.684	3.620	3.554	3.488	3.420	
-14.50	A	513282	520163	527126	534170	541297	548510	555808	563194	570670	578235	585893	593645	601492	609435	617478	625620	
	B	4.351	4.296	4.239	4.182	4.124	4.065	4.005	3.945	3.883	3.821	3.758	3.694	3.630	3.564	3.498	3.431	
-14.25	A	511737	518611	525565	532601	539721	546925	554216	561595	569062	576620	584271	592015	599855	607791	615827	623962	
	B	4.359	4.303	4.247	4.190	4.132	4.073	4.014	3.954	3.893	3.831	3.768	3.704	3.640	3.575	3.509	3.442	

TEMP DEG C		COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+DP*B)									
		574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604	606	608	610	612
-14.00	A	510195	517060	524006	531035	538146	545343	552626	559997	567457	575007	582650	590387	598220	606149	614177	622306				
	B	4.366	4.311	4.255	4.198	4.140	4.082	4.023	3.963	3.902	3.840	3.778	3.714	3.650	3.586	3.520	3.453				
-13.75	A	508655	515512	522450	529470	536574	543763	551038	558401	565853	573397	581032	588762	596587	604509	612530	620652				
	B	4.374	4.319	4.263	4.206	4.149	4.091	4.032	3.972	3.911	3.850	3.788	3.724	3.661	3.596	3.531	3.464				
-13.50	A	507117	513966	520896	527908	535004	542185	549452	556807	564252	571788	579416	587138	594956	602871	610885	619000				
	B	4.381	4.326	4.271	4.214	4.157	4.099	4.040	3.981	3.920	3.859	3.797	3.734	3.671	3.606	3.541	3.475				
-13.25	A	505581	512421	519343	526348	533435	540608	547868	555216	562653	570181	577801	585516	593327	601235	609242	617350				
	B	4.388	4.334	4.279	4.222	4.165	4.108	4.049	3.990	3.930	3.869	3.807	3.744	3.681	3.617	3.552	3.486				
-13.00	A	504047	510879	517793	524789	531869	539034	546286	553626	561055	568576	576189	583896	591700	599600	607601	615702				
	B	4.396	4.341	4.286	4.230	4.174	4.116	4.058	3.999	3.939	3.878	3.817	3.754	3.691	3.627	3.562	3.497				
-12.75	A	502515	509339	516245	523233	530305	537462	544706	552038	559460	566973	574578	582279	590075	597968	605961	614055				
	B	4.403	4.349	4.294	4.238	4.182	4.125	4.067	4.008	3.948	3.888	3.826	3.764	3.701	3.638	3.573	3.508				
-12.50	A	500985	507801	514699	521679	528743	535892	543128	550453	557867	565372	572970	580663	588451	596338	604324	612411				
	B	4.410	4.357	4.302	4.246	4.190	4.133	4.075	4.017	3.957	3.897	3.836	3.774	3.711	3.648	3.584	3.519				
-12.25	A	499457	506266	513155	520127	527183	534324	541553	548869	556275	563773	571364	579049	586830	594710	602688	610769				
	B	4.418	4.364	4.310	4.254	4.198	4.142	4.084	4.026	3.966	3.906	3.846	3.784	3.721	3.658	3.594	3.529				
-12.00	A	497932	504732	511613	518577	525625	532758	539979	547287	554686	562176	569759	577437	585211	593083	601055	609128				
	B	4.425	4.372	4.317	4.262	4.207	4.150	4.093	4.034	3.975	3.916	3.855	3.794	3.732	3.669	3.605	3.540				
-11.75	A	496409	503200	510073	517029	524069	531195	538407	545708	553099	560581	568157	575827	583594	591459	599424	607490				
	B	4.432	4.379	4.325	4.270	4.215	4.158	4.101	4.043	3.985	3.925	3.865	3.804	3.742	3.679	3.615	3.551				
-11.50	A	494887	501671	508536	515483	522515	529633	536837	544130	551514	558988	566557	574219	581979	589836	597794	605853				
	B	4.439	4.386	4.333	4.278	4.223	4.167	4.110	4.052	3.994	3.934	3.874	3.813	3.752	3.689	3.626	3.562				
-11.25	A	493368	500143	507000	513940	520964	528073	535270	542555	549930	557398	564958	572614	580366	588216	596166	604219				
	B	4.447	4.394	4.340	4.286	4.231	4.175	4.118	4.061	4.003	3.944	3.884	3.823	3.762	3.699	3.636	3.572				
-11.00	A	491851	498618	505467	512398	519414	526515	533704	540982	548349	555809	563362	571010	578754	586598	594541	602586				
	B	4.454	4.401	4.348	4.294	4.239	4.183	4.127	4.070	4.012	3.953	3.893	3.833	3.772	3.710	3.647	3.583				
-10.75	A	490336	497095	503935	510859	517866	524960	532141	539410	546770	554222	561767	569408	577145	584981	592917	600955				
	B	4.461	4.409	4.356	4.302	4.247	4.192	4.136	4.079	4.021	3.962	3.903	3.842	3.781	3.720	3.657	3.594				
-10.50	A	488823	495574	502406	509321	516321	523406	530579	537841	545193	552637	560175	567808	575538	583367	591296	599327				
	B	4.468	4.416	4.363	4.310	4.255	4.200	4.144	4.087	4.030	3.971	3.912	3.852	3.791	3.730	3.667	3.604				
-10.25	A	487313	494055	500879	507786	514777	521855	529020	536274	543618	551055	558585	566210	573933	581754	589676	597700				
	B	4.475	4.423	4.371	4.317	4.263	4.208	4.152	4.096	4.039	3.980	3.922	3.862	3.801	3.740	3.678	3.615				

		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE												F=1/(A+DP*B)			
TEMP DEG C		574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604
-10.00	A	485804	492538	499354	506253	513236	520305	527462	534708	542045	549474	556996	564614	572330	580144	588058	596075
	B	4.482	4.431	4.378	4.325	4.271	4.216	4.161	4.105	4.048	3.990	3.931	3.871	3.811	3.750	3.688	3.626
-9.75	A	484297	491023	497831	504721	511697	518758	525907	533145	540474	547895	555410	563021	570728	578535	586442	594452
	B	4.489	4.438	4.386	4.333	4.279	4.225	4.169	4.113	4.056	3.999	3.940	3.881	3.821	3.760	3.699	3.636
-9.50	A	482793	489511	496310	503192	510160	517213	524354	531584	538905	546318	553826	561429	569129	576928	584829	592832
	B	4.496	4.445	4.393	4.341	4.287	4.233	4.178	4.122	4.065	4.008	3.950	3.891	3.831	3.770	3.709	3.647
-9.25	A	481291	488000	494791	501665	508624	515670	522803	530025	537338	544744	552244	559839	567532	575324	583217	591213
	B	4.503	4.452	4.401	4.348	4.295	4.241	4.186	4.131	4.074	4.017	3.959	3.900	3.841	3.780	3.719	3.657
-9.00	A	479791	486492	493274	500140	507091	514129	521254	528468	535773	543171	550663	558251	565937	573721	581607	589596
	B	4.510	4.460	4.408	4.356	4.303	4.249	4.195	4.139	4.083	4.026	3.968	3.910	3.850	3.790	3.729	3.668
-8.75	A	478293	484985	491760	498618	505560	512590	519707	526913	534211	541601	549085	556665	564343	572121	579999	587981
	B	4.517	4.467	4.416	4.364	4.311	4.257	4.203	4.148	4.092	4.035	3.978	3.919	3.860	3.800	3.740	3.678
-8.50	A	476797	483481	490247	497097	504032	511053	518162	525360	532650	540032	547509	555082	562752	570522	578393	586368
	B	4.524	4.474	4.423	4.371	4.319	4.265	4.211	4.156	4.101	4.044	3.987	3.929	3.870	3.810	3.750	3.689
-8.25	A	475303	481979	488737	495578	502505	509518	516619	523809	531091	538466	545935	553500	561163	568925	576789	584757
	B	4.531	4.481	4.430	4.379	4.326	4.273	4.219	4.165	4.109	4.053	3.996	3.938	3.880	3.820	3.760	3.699
-8.00	A	473812	480479	487229	494062	500980	507985	515078	522261	529534	536901	544362	551920	559576	567331	575188	583148
	B	4.538	4.488	4.438	4.386	4.334	4.281	4.228	4.173	4.118	4.062	4.005	3.948	3.889	3.830	3.770	3.709
-7.75	A	472322	478981	485723	492547	499457	506454	513539	520714	527980	535339	542792	550342	557990	565738	573588	581541
	B	4.545	4.495	4.445	4.394	4.342	4.289	4.236	4.182	4.127	4.071	4.014	3.957	3.899	3.840	3.780	3.720
-7.50	A	470835	477486	484219	491035	497937	504926	512002	519169	526427	533778	541224	548767	556407	564148	571990	579936
	B	4.551	4.502	4.452	4.401	4.350	4.297	4.244	4.190	4.135	4.080	4.023	3.966	3.908	3.850	3.790	3.730
-7.25	A	469350	475992	482717	489525	496419	503399	510468	517626	524877	532220	539658	547193	554826	562559	570394	578332
	B	4.558	4.509	4.459	4.409	4.357	4.305	4.252	4.199	4.144	4.089	4.033	3.976	3.918	3.860	3.800	3.740
-7.00	A	467867	474501	481217	488017	494902	501875	508935	516086	523328	530664	538094	545621	553247	560972	568800	576731
	B	4.565	4.516	4.467	4.416	4.365	4.313	4.260	4.207	4.153	4.098	4.042	3.985	3.928	3.869	3.810	3.751
-6.75	A	466386	473011	479719	486511	493388	500352	507405	514547	521782	529109	536532	544052	551669	559388	567208	575132
	B	4.572	4.523	4.474	4.424	4.373	4.321	4.269	4.215	4.161	4.106	4.051	3.994	3.937	3.879	3.820	3.761
-6.50	A	464907	471524	478224	485007	491876	498832	505876	513011	520237	527557	534972	542484	550094	557805	565618	573535
	B	4.578	4.530	4.481	4.431	4.380	4.329	4.277	4.224	4.170	4.115	4.060	4.004	3.947	3.889	3.830	3.771
-6.25	A	463431	470039	476730	483505	490366	497314	504350	511477	518695	526007	533414	540918	548521	556224	564030	571940
	B	4.585	4.537	4.488	4.439	4.388	4.337	4.285	4.232	4.178	4.124	4.069	4.013	3.956	3.899	3.840	3.781

TEMP DEG C

		DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE																
		574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604	
TEMP DEG C	-6.00	A	461956	468556	475239	482006	488858	495798	502826	509944	517155	524459	531858	539355	546950	554646	562444	570346
	B		4.592	4.544	4.495	4.446	4.396	4.345	4.293	4.240	4.187	4.133	4.078	4.022	3.966	3.908	3.850	3.792
	-5.75	A	460484	467076	473750	480508	487352	494284	501304	508414	515617	522913	530304	537793	545381	553069	560860	568755
	B		4.599	4.551	4.502	4.453	4.403	4.352	4.301	4.249	4.195	4.141	4.087	4.031	3.975	3.918	3.860	3.802
	-5.50	A	459014	465597	472263	479013	485849	492772	499784	506886	514080	521369	528753	536234	543814	551494	559278	567166
	B		4.605	4.558	4.510	4.461	4.411	4.360	4.309	4.257	4.204	4.150	4.096	4.041	3.985	3.928	3.870	3.812
	-5.25	A	457546	464120	470778	477519	484347	491262	498266	505360	512546	519827	527203	534676	542248	549922	557698	565579
	B		4.612	4.565	4.517	4.468	4.418	4.368	4.317	4.265	4.212	4.159	4.105	4.050	3.994	3.937	3.880	3.822
	-5.00	A	456080	462646	469295	476028	482847	489754	496750	503836	511014	518287	525655	533121	540685	548351	556120	563993
	B		4.618	4.571	4.524	4.475	4.426	4.376	4.325	4.273	4.221	4.168	4.114	4.059	4.003	3.947	3.890	3.832
	-4.75	A	454616	461174	467814	474539	481350	488248	495236	502314	509484	516749	524109	531567	539124	546783	554544	562410
	B		4.625	4.578	4.531	4.482	4.433	4.383	4.333	4.281	4.229	4.176	4.122	4.068	4.013	3.957	3.900	3.842
	-4.50	A	453155	459704	466336	473052	479855	486745	493724	500794	507957	515213	522566	530016	537565	545216	552970	560829
	B		4.631	4.585	4.538	4.490	4.441	4.391	4.341	4.289	4.238	4.185	4.131	4.077	4.022	3.966	3.910	3.852
	-4.25	A	451695	458236	464859	471567	478362	485243	492214	499276	506431	513679	521024	528466	536008	543651	551398	559249
	B		4.638	4.592	4.545	4.497	4.448	4.399	4.349	4.298	4.246	4.193	4.140	4.086	4.031	3.976	3.919	3.862
	-4.00	A	450238	456770	463385	470085	476871	483744	490707	497761	504907	512148	519484	526919	534453	542089	549828	557672
	B		4.644	4.598	4.551	4.504	4.456	4.406	4.356	4.306	4.254	4.202	4.149	4.095	4.041	3.985	3.929	3.872
	-3.75	A	448783	455307	461913	468604	475382	482247	489201	496247	503385	510618	517947	525374	532900	540528	548260	556097
	B		4.651	4.605	4.558	4.511	4.463	4.414	4.364	4.314	4.263	4.211	4.158	4.104	4.050	3.995	3.939	3.882
	-3.50	A	447330	453845	460443	467126	473895	480752	487698	494735	501866	509090	516411	523830	531349	538970	546694	554523
	B		4.657	4.612	4.565	4.518	4.470	4.422	4.372	4.322	4.271	4.219	4.166	4.113	4.059	4.004	3.949	3.892
	-3.25	A	445880	452386	458975	465649	472410	479259	486197	493226	500348	507565	514878	522289	529800	537413	545130	552952
	B		4.664	4.618	4.572	4.525	4.478	4.429	4.380	4.330	4.279	4.228	4.175	4.122	4.068	4.014	3.958	3.902
	-3.00	A	444431	450929	457509	464175	470928	477768	484698	491719	498833	506041	513347	520750	528253	535859	543568	551383
	B		4.670	4.625	4.579	4.532	4.485	4.437	4.388	4.338	4.287	4.236	4.184	4.131	4.077	4.023	3.968	3.912
	-2.75	A	442985	449474	456046	462703	469447	476279	483201	490213	497319	504520	511817	519213	526708	534306	542008	549815
	B		4.676	4.631	4.586	4.539	4.492	4.444	4.395	4.346	4.296	4.244	4.193	4.140	4.087	4.032	3.977	3.922
	-2.50	A	441540	448021	454585	461233	467969	474792	481706	488710	495808	503001	510290	517678	525166	532756	540450	548250
	B		4.683	4.638	4.593	4.546	4.499	4.452	4.403	4.354	4.304	4.253	4.201	4.149	4.096	4.042	3.987	3.932
	-2.25	A	440098	446570	453125	459766	466493	473308	480213	487209	494299	501483	508765	516145	523625	531207	538894	546687
	B		4.689	4.645	4.599	4.553	4.507	4.459	4.411	4.362	4.312	4.261	4.210	4.158	4.105	4.051	3.997	3.941

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+DP*B)									
	574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604				
-2.00 A	438658	445121	451668	458300	465018	471825	478722	485710	492792	499968	507242	514614	522086	529661	537340	545125				
-2.00 B	4.695	4.651	4.606	4.560	4.514	4.467	4.418	4.370	4.320	4.270	4.218	4.167	4.114	4.060	4.006	3.951				
-1.75 A	437221	443675	450213	456836	463546	470345	477233	484213	491287	498455	505721	513085	520549	528116	535788	543566				
-1.75 B	4.702	4.658	4.613	4.567	4.521	4.474	4.426	4.377	4.328	4.278	4.227	4.175	4.123	4.070	4.016	3.961				
-1.50 A	435785	442231	448760	455375	462077	468867	475747	482718	489784	496944	504201	511558	519015	526574	534238	542009				
-1.50 B	4.708	4.664	4.620	4.574	4.528	4.481	4.434	4.385	4.336	4.286	4.236	4.184	4.132	4.079	4.025	3.971				
-1.25 A	434352	440789	447310	453916	460609	467391	474262	481226	488283	495435	502684	510033	517482	525034	532690	540453				
-1.25 B	4.714	4.670	4.626	4.581	4.535	4.489	4.441	4.393	4.344	4.295	4.244	4.193	4.141	4.088	4.035	3.980				
-1.00 A	432920	439349	445861	452459	459143	465917	472780	479735	486784	493928	501170	508510	515951	523495	531144	538900				
-1.00 B	4.720	4.677	4.633	4.588	4.542	4.496	4.449	4.401	4.352	4.303	4.253	4.202	4.150	4.097	4.044	3.990				
-0.75 A	431491	437911	444415	451004	457680	464445	471300	478247	485287	492423	499657	506989	514423	521959	529600	537349				
-0.75 B	4.726	4.683	4.639	4.595	4.549	4.503	4.456	4.409	4.360	4.311	4.261	4.210	4.159	4.107	4.054	4.000				
-0.50 A	430064	436476	442971	449551	456219	462975	469821	476760	483793	490921	498146	505471	512896	520425	528059	535799				
-0.50 B	4.733	4.690	4.646	4.602	4.557	4.511	4.464	4.417	4.368	4.319	4.270	4.219	4.168	4.116	4.063	4.010				
-0.25 A	428640	435042	441529	448100	454759	461507	468345	475276	482300	489420	496637	503954	511372	518893	526519	534252				
-0.25 B	4.739	4.696	4.653	4.608	4.564	4.518	4.471	4.424	4.376	4.328	4.278	4.228	4.177	4.125	4.072	4.019				
0.00 A	427217	433611	440089	446652	453302	460042	466872	473794	480810	487921	495131	502439	509849	517363	524981	532707				
0.00 B	4.745	4.702	4.659	4.615	4.571	4.525	4.479	4.432	4.384	4.336	4.286	4.236	4.186	4.134	4.082	4.029				
0.25 A	425797	432182	438651	445206	451848	458578	465400	472313	479321	486425	493626	500927	508329	515834	523445	531163				
0.25 B	4.751	4.709	4.666	4.622	4.578	4.532	4.486	4.440	4.392	4.344	4.295	4.245	4.195	4.143	4.091	4.038				
0.50 A	424379	430755	437215	443761	450395	457117	463930	470835	477835	484930	492123	499416	506811	514308	521911	529622				
0.50 B	4.757	4.715	4.672	4.629	4.585	4.540	4.494	4.447	4.400	4.352	4.303	4.254	4.203	4.152	4.100	4.048				
0.75 A	422963	429330	435782	442319	448944	455658	462463	469360	476351	483438	490623	497908	505294	512784	520380	528083				
0.75 B	4.763	4.721	4.679	4.635	4.591	4.547	4.501	4.455	4.408	4.360	4.312	4.262	4.212	4.161	4.110	4.057				
1.00 A	421549	427908	434351	440879	447496	454201	460997	467886	474869	481948	489125	496401	503780	511262	518850	526546				
1.00 B	4.769	4.727	4.685	4.642	4.598	4.554	4.509	4.463	4.416	4.368	4.320	4.271	4.221	4.170	4.119	4.067				
1.25 A	420138	426487	432922	439442	446049	452746	459534	466414	473389	480460	487628	494897	502268	509742	517322	525010				
1.25 B	4.775	4.734	4.692	4.649	4.605	4.561	4.516	4.470	4.424	4.376	4.328	4.279	4.230	4.179	4.128	4.076				
1.50 A	418728	425069	431495	438006	444605	451293	458073	464944	471911	478973	486134	493395	500758	508224	515797	523477				
1.50 B	4.781	4.740	4.698	4.655	4.612	4.568	4.523	4.478	4.431	4.384	4.336	4.288	4.238	4.188	4.137	4.086				
1.75 A	417321	423653	430070	436573	443163	449843	456614	463477	470435	477489	484642	491895	499250	506708	514273	521946				
1.75 B	4.787	4.746	4.704	4.662	4.619	4.575	4.531	4.485	4.439	4.392	4.345	4.296	4.247	4.197	4.147	4.095				

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+DP*B) CUBIC METRE									
		574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604				
2.00	A	415916	422240	428647	435141	441723	448394	455157	462012	468961	476008	483152	490397	497744	505195	512752	520417				
	B	4.793	4.752	4.711	4.669	4.626	4.582	4.538	4.493	4.447	4.400	4.353	4.305	4.256	4.206	4.156	4.105				
2.25	A	414513	420828	427227	433712	440285	446948	453702	460548	467490	474528	481664	488901	496240	503683	511232	518890				
	B	4.798	4.758	4.717	4.675	4.633	4.589	4.545	4.500	4.455	4.408	4.361	4.313	4.265	4.215	4.165	4.114				
2.50	A	413113	419418	425809	432285	438850	445504	452249	459087	466020	473050	480178	487407	494738	502173	509715	517365				
	B	4.804	4.764	4.723	4.682	4.639	4.596	4.552	4.508	4.462	4.416	4.369	4.322	4.273	4.224	4.174	4.123				
2.75	A	411714	418011	424393	430861	437416	444062	450799	457628	464553	471574	478694	485915	493238	500665	508199	515842				
	B	4.810	4.770	4.730	4.688	4.646	4.603	4.559	4.515	4.470	4.424	4.377	4.330	4.282	4.233	4.183	4.133				
3.00	A	410318	416606	422979	429438	435985	442622	449350	456171	463088	470101	477213	484425	491740	499160	506686	514321				
	B	4.816	4.776	4.736	4.695	4.653	4.610	4.567	4.523	4.478	4.432	4.386	4.338	4.290	4.242	4.192	4.142				
3.25	A	408924	415203	421567	428018	434556	441184	447904	454717	461625	468629	475733	482937	490244	497656	505174	512802				
	B	4.822	4.782	4.742	4.701	4.659	4.617	4.574	4.530	4.485	4.440	4.394	4.347	4.299	4.251	4.201	4.151				
3.50	A	407532	413803	420158	426599	433129	439749	446460	453264	460163	467160	474255	481452	488751	496154	503665	511285				
	B	4.827	4.788	4.748	4.708	4.666	4.624	4.581	4.537	4.493	4.448	4.402	4.355	4.308	4.259	4.210	4.161				
3.75	A	406143	412404	418750	425183	431704	438315	445018	451813	458705	465693	472780	479968	487259	494655	502158	509770				
	B	4.833	4.794	4.754	4.714	4.673	4.631	4.588	4.545	4.500	4.455	4.410	4.363	4.316	4.268	4.219	4.170				
4.00	A	404755	411008	417345	423769	430282	436884	443578	450365	457248	464228	471307	478486	485769	493157	500652	508257				
	B	4.839	4.800	4.761	4.720	4.679	4.638	4.595	4.552	4.508	4.463	4.418	4.372	4.325	4.277	4.228	4.179				
4.25	A	403370	409614	415942	422358	428861	435455	442140	448919	455793	462765	469835	477007	484282	491662	499149	506746				
	B	4.844	4.806	4.767	4.727	4.686	4.644	4.602	4.559	4.515	4.471	4.426	4.380	4.333	4.286	4.237	4.188				
4.50	A	401987	408222	414542	420948	427443	434028	440704	447475	454340	461304	468366	475530	482797	490169	497648	505237				
	B	4.850	4.812	4.773	4.733	4.693	4.651	4.609	4.566	4.523	4.479	4.434	4.388	4.341	4.294	4.246	4.197				
4.75	A	400606	406832	413143	419541	426027	432603	439271	446033	452890	459845	466899	474054	481313	488677	496149	503730				
	B	4.856	4.818	4.779	4.739	4.699	4.658	4.616	4.574	4.530	4.486	4.442	4.396	4.350	4.303	4.255	4.207				
5.00	A	399228	405445	411747	418135	424613	431180	437840	444593	451442	458388	465434	472581	479832	487188	494652	502225				
	B	4.861	4.824	4.785	4.746	4.706	4.665	4.623	4.581	4.538	4.494	4.450	4.404	4.358	4.311	4.264	4.216				
5.25	A	397851	404059	410352	416732	423201	429760	436410	443155	449995	456933	463971	471110	478353	485701	493157	500723				
	B	4.867	4.829	4.791	4.752	4.712	4.672	4.630	4.588	4.545	4.502	4.457	4.412	4.367	4.320	4.273	4.225				
5.50	A	396477	402676	408960	415331	421791	428341	434983	441719	448551	455481	462510	469641	476876	484216	491664	499222				
	B	4.872	4.835	4.797	4.758	4.719	4.678	4.637	4.595	4.553	4.509	4.465	4.421	4.375	4.329	4.282	4.234				
5.75	A	395105	401295	407571	413933	420384	426925	433558	440286	447109	454031	461052	468174	475401	482733	490173	497723				
	B	4.878	4.841	4.803	4.764	4.725	4.685	4.644	4.602	4.560	4.517	4.473	4.429	4.383	4.337	4.290	4.243				

		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE												F=1/(A+DP*B)			
TEMP DEG C		574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604
6.00	A	393736	399917	406183	412536	418978	425511	432136	438855	445669	452582	459595	466709	473928	481252	488684	496227
	B	4.883	4.847	4.809	4.771	4.731	4.692	4.651	4.610	4.567	4.525	4.481	4.437	4.392	4.346	4.299	4.252
6.25	A	392368	398540	404797	411142	417575	424099	430715	437425	444232	451136	458140	465247	472457	479773	487197	494732
	B	4.889	4.852	4.815	4.777	4.738	4.698	4.658	4.617	4.575	4.532	4.489	4.445	4.400	4.354	4.308	4.261
6.50	A	391003	397166	403414	409750	416174	422689	429297	435998	442796	449692	456688	463786	470988	478296	485713	493240
	B	4.894	4.858	4.821	4.783	4.744	4.705	4.665	4.624	4.582	4.540	4.497	4.453	4.408	4.363	4.317	4.270
6.75	A	389640	395794	402033	408360	414775	421282	427880	434573	441363	448250	455238	462327	469521	476821	484230	491749
	B	4.900	4.864	4.827	4.789	4.751	4.711	4.671	4.631	4.589	4.547	4.504	4.461	4.416	4.371	4.325	4.279
7.00	A	388279	394424	400654	406972	413379	419876	426466	433151	439931	446810	453790	460871	468057	475349	482749	490261
	B	4.905	4.869	4.833	4.795	4.757	4.718	4.678	4.638	4.597	4.555	4.512	4.469	4.425	4.380	4.334	4.288
7.25	A	386921	393056	399278	405586	411984	418473	425054	431730	438502	445373	452343	459417	466594	473878	481271	488774
	B	4.911	4.875	4.838	4.801	4.763	4.724	4.685	4.645	4.604	4.562	4.520	4.477	4.433	4.388	4.343	4.297
7.50	A	385564	391691	397903	404203	410592	417072	423644	430311	437075	443937	450899	457964	465134	472410	479794	487290
	B	4.916	4.880	4.844	4.807	4.769	4.731	4.692	4.652	4.611	4.570	4.527	4.485	4.441	4.397	4.351	4.306
7.75	A	384210	390328	396531	402822	409202	415673	422237	428895	435650	442504	449458	456514	463675	470943	478320	485808
	B	4.921	4.886	4.850	4.813	4.776	4.737	4.698	4.659	4.618	4.577	4.535	4.492	4.449	4.405	4.360	4.314
8.00	A	382858	388967	395161	401443	407814	414276	420831	427481	434227	441072	448018	455066	462219	469479	476848	484327
	B	4.927	4.892	4.856	4.819	4.782	4.744	4.705	4.666	4.625	4.584	4.543	4.500	4.457	4.413	4.369	4.323
8.25	A	381509	387608	393793	400066	406428	412882	419428	426069	432807	439643	446580	453620	460765	468016	475377	482849
	B	4.932	4.897	4.861	4.825	4.788	4.750	4.712	4.673	4.633	4.592	4.550	4.508	4.465	4.422	4.377	4.332
8.50	A	380161	386251	392428	398692	405045	411489	418027	424659	431388	438216	445145	452176	459313	466556	473909	481373
	B	4.937	4.903	4.867	4.831	4.794	4.757	4.718	4.679	4.640	4.599	4.558	4.516	4.473	4.430	4.386	4.341
8.75	A	378816	384897	391064	397319	403663	410099	416628	423251	429972	436791	443711	450734	457863	465098	472443	479899
	B	4.942	4.908	4.873	4.837	4.800	4.763	4.725	4.686	4.647	4.606	4.565	4.524	4.481	4.438	4.394	4.349
9.00	A	377473	383545	389703	395949	402284	408711	415231	421846	428557	435368	442280	449295	456415	463642	470979	478427
	B	4.948	4.913	4.879	4.843	4.807	4.769	4.732	4.693	4.654	4.614	4.573	4.532	4.489	4.446	4.403	4.358
9.25	A	376132	382195	388344	394581	400907	407325	413836	420442	427145	433947	440851	447857	454969	462188	469517	476957
	B	4.953	4.919	4.884	4.849	4.813	4.776	4.738	4.700	4.661	4.621	4.581	4.539	4.497	4.455	4.411	4.367
9.50	A	374794	380848	386987	393215	399532	405941	412443	419041	425735	432529	439424	446422	453525	460736	468057	475489
	B	4.958	4.924	4.890	4.855	4.819	4.782	4.745	4.707	4.668	4.628	4.588	4.547	4.505	4.463	4.420	4.376
9.75	A	373458	379502	385633	391852	398160	404560	411053	417642	424327	431112	437999	444988	452084	459286	466599	474023
	B	4.963	4.930	4.895	4.860	4.825	4.788	4.751	4.713	4.675	4.636	4.595	4.555	4.513	4.471	4.428	4.384

TEMP DEG C		COMPRESSION FACTOR PER KILOGRAM PER DENSITY AT 15 DEGREES C										CUBIC METRE PER KILOGRAM									
		574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604				
10.00	A	372124	378159	384281	390490	396789	403180	409665	416245	422922	429698	436576	443557	450644	457839	465143	472560				
	B	4.968	4.935	4.901	4.866	4.831	4.795	4.758	4.720	4.682	4.643	4.603	4.562	4.521	4.479	4.436	4.393				
10.25	A	370792	376818	382930	389131	395421	401803	408279	414850	421518	428286	435155	442128	449207	456393	463689	471098				
	B	4.973	4.940	4.906	4.872	4.837	4.801	4.764	4.727	4.689	4.650	4.610	4.570	4.529	4.487	4.445	4.401				
10.50	A	369462	375479	381583	387774	394055	400428	406895	413457	420117	426876	433737	440701	447771	454949	462238	469638				
	B	4.978	4.946	4.912	4.878	4.843	4.807	4.771	4.734	4.696	4.657	4.618	4.578	4.537	4.495	4.453	4.410				
10.75	A	368135	374143	380237	386419	392691	399056	405513	412067	418718	425468	432320	439276	446338	453508	460788	468181				
	B	4.983	4.951	4.918	4.884	4.849	4.813	4.777	4.740	4.703	4.664	4.625	4.585	4.545	4.503	4.461	4.419				
11.00	A	366810	372809	378894	385067	391330	397685	404134	410678	417321	424062	430906	437853	444907	452069	459341	466725				
	B	4.988	4.956	4.923	4.889	4.855	4.819	4.784	4.747	4.709	4.671	4.632	4.593	4.552	4.511	4.470	4.427				
11.25	A	365487	371477	377552	383716	389971	396317	402756	409292	415926	422559	429494	436433	443478	450631	457895	465272				
	B	4.993	4.961	4.928	4.895	4.861	4.826	4.790	4.753	4.716	4.678	4.640	4.600	4.560	4.519	4.478	4.436				
11.50	A	364167	370147	376213	382368	388613	394950	401381	407908	414533	421257	428084	435014	442051	449196	456452	463820				
	B	4.998	4.966	4.934	4.901	4.866	4.832	4.796	4.760	4.723	4.685	4.647	4.608	4.568	4.527	4.486	4.444				
11.75	A	362849	368819	374877	381022	387258	393586	400008	406526	413142	419858	426676	433598	440626	447763	455011	462371				
	B	5.003	4.972	4.939	4.906	4.872	4.838	4.803	4.767	4.730	4.692	4.654	4.615	4.576	4.535	4.494	4.453				
12.00	A	361533	367494	373542	379679	385906	392225	398638	405147	411754	418461	425270	432184	439203	446332	453571	460924				
	B	5.008	4.977	4.945	4.912	4.878	4.844	4.809	4.773	4.737	4.699	4.661	4.623	4.583	4.543	4.503	4.461				
12.25	A	360219	366171	372210	378337	384555	390865	397269	403769	410367	417066	423866	430771	437783	444903	452134	459479				
	B	5.013	4.982	4.950	4.917	4.884	4.850	4.815	4.780	4.743	4.706	4.669	4.630	4.591	4.551	4.511	4.469				
12.50	A	358907	364850	370880	376998	383207	389507	395903	402394	408983	415673	422465	429361	436364	443476	450699	458036				
	B	5.018	4.987	4.955	4.923	4.890	4.856	4.821	4.786	4.750	4.713	4.676	4.638	4.599	4.559	4.519	4.478				
12.75	A	357598	363532	369552	375661	381860	388152	394538	401021	407601	414282	421066	427953	434948	442052	449266	456595				
	B	5.023	4.992	4.961	4.928	4.896	4.862	4.828	4.793	4.757	4.720	4.683	4.645	4.606	4.567	4.527	4.486				
13.00	A	356291	362215	368226	374326	380516	386799	393176	399650	406221	412894	419668	426548	433534	440629	447836	455156				
	B	5.028	4.997	4.966	4.934	4.901	4.868	4.834	4.799	4.763	4.727	4.690	4.652	4.614	4.575	4.535	4.494				
13.25	A	354986	360901	366903	372994	379175	385448	391816	398281	404844	411507	418273	425144	432122	439209	446407	453719				
	B	5.032	5.002	4.971	4.939	4.907	4.874	4.840	4.805	4.770	4.734	4.697	4.660	4.622	4.583	4.543	4.503				
13.50	A	353684	359589	365582	371663	377835	384100	390459	396914	403468	410123	416880	423742	430712	437790	444980	452284				
	B	5.037	5.007	4.976	4.945	4.913	4.880	4.846	4.812	4.777	4.741	4.704	4.667	4.629	4.591	4.551	4.511				
13.75	A	352384	358280	364263	370335	376498	382753	389103	395550	402095	408741	415489	422343	429304	436374	443556	450852				
	B	5.042	5.012	4.982	4.950	4.918	4.886	4.852	4.818	4.783	4.748	4.711	4.674	4.637	4.598	4.559	4.519				

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C										F=1/(A+DP*B) CUBIC METRE									
	574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604				
14.00 A	351086	356973	362946	369009	375163	381409	387750	394188	400724	407361	414101	420946	427898	434960	442133	449421				
14.00 B	5.047	5.017	4.987	4.956	4.924	4.892	4.858	4.824	4.790	4.755	4.719	4.682	4.644	4.606	4.567	4.528				
14.25 A	349790	355668	361632	367686	373830	380067	386399	392828	399355	405983	412714	419551	426494	433548	440713	447993				
14.25 B	5.051	5.022	4.992	4.961	4.930	4.897	4.864	4.831	4.796	4.761	4.726	4.689	4.652	4.614	4.575	4.536				
14.50 A	348497	354365	360320	366364	372499	378727	385050	391470	397988	404607	411330	418158	425093	432138	439295	446566				
14.50 B	5.056	5.027	4.997	4.966	4.935	4.903	4.870	4.837	4.803	4.768	4.733	4.696	4.659	4.622	4.583	4.544				
14.75 A	347206	353064	359010	365045	371171	377390	383703	390114	396623	403234	409948	416767	423693	430730	437879	445142				
14.75 B	5.061	5.032	5.002	4.972	4.941	4.909	4.877	4.843	4.809	4.775	4.739	4.703	4.667	4.629	4.591	4.552				
15.00 A	345917	351766	357702	363728	369845	376054	382359	388760	395261	401863	408568	415378	422296	429324	436465	443720				
15.00 B	5.065	5.037	5.007	4.977	4.946	4.915	4.883	4.850	4.816	4.782	4.746	4.711	4.674	4.637	4.599	4.560				
15.25 A	344630	350470	356397	362413	368521	374721	381017	387409	393901	400493	407190	413991	420901	427921	435053	442300				
15.25 B	5.070	5.041	5.012	4.982	4.952	4.921	4.889	4.856	4.822	4.788	4.753	4.718	4.682	4.645	4.607	4.568				
15.50 A	343346	349176	355094	361101	367199	373390	379677	386060	392543	399126	405814	412607	419508	426519	433643	440881				
15.50 B	5.074	5.046	5.017	4.988	4.957	4.926	4.894	4.862	4.829	4.795	4.760	4.725	4.689	4.652	4.615	4.576				
15.75 A	342064	347885	353793	359791	365879	372061	378339	384713	391187	397762	404440	411225	418117	425120	432235	439466				
15.75 B	5.079	5.051	5.022	4.993	4.963	4.932	4.900	4.868	4.835	4.802	4.767	4.732	4.696	4.660	4.622	4.585				
16.00 A	340784	346596	352494	358483	364562	370735	377003	383368	389833	396399	403069	409844	416728	423722	430829	438052				
16.00 B	5.083	5.056	5.027	4.998	4.968	4.938	4.906	4.874	4.842	4.808	4.774	4.739	4.704	4.667	4.630	4.593				
16.25 A	339507	345309	351198	357177	363247	369411	375669	382026	388481	395038	401699	408466	415342	422327	429426	436640				
16.25 B	5.088	5.060	5.032	5.003	4.974	4.943	4.912	4.880	4.848	4.815	4.781	4.746	4.711	4.675	4.638	4.601				
16.50 A	338232	344024	349904	355873	361934	368089	374338	380685	387132	393680	400332	407090	413957	420934	428025	435230				
16.50 B	5.092	5.065	5.037	5.008	4.979	4.949	4.918	4.887	4.854	4.821	4.788	4.753	4.718	4.682	4.646	4.609				
16.75 A	336959	342742	348612	354572	360624	366769	373009	379347	385785	392324	398967	405717	412575	419543	426625	433823				
16.75 B	5.097	5.070	5.042	5.014	4.984	4.954	4.924	4.893	4.861	4.828	4.794	4.760	4.725	4.690	4.654	4.617				
17.00 A	335688	341461	347322	353273	359315	365451	371682	378011	384440	390970	397604	404345	411194	418155	425228	432417				
17.00 B	5.101	5.074	5.047	5.019	4.990	4.960	4.930	4.899	4.867	4.834	4.801	4.767	4.733	4.697	4.661	4.624				
17.25 A	334420	340184	346035	351976	358009	364136	370358	376677	383097	389618	396244	402976	409816	416768	423833	431014				
17.25 B	5.106	5.079	5.052	5.024	4.995	4.966	4.935	4.905	4.873	4.841	4.808	4.774	4.740	4.705	4.669	4.632				
17.50 A	333154	338908	344750	350682	356705	362822	369035	375346	381756	388269	394885	401608	408440	415383	422440	429613				
17.50 B	5.110	5.084	5.057	5.029	5.000	4.971	4.941	4.911	4.879	4.847	4.815	4.781	4.747	4.712	4.677	4.640				
17.75 A	331890	337635	343467	349390	355404	361511	367715	374016	380418	386921	393529	400243	407067	414001	421049	428213				
17.75 B	5.114	5.088	5.061	5.034	5.006	4.977	4.947	4.917	4.886	4.854	4.821	4.788	4.754	4.719	4.684	4.648				

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)		
	574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604		
18.00 A	330628	336364	342187	348100	354104	360203	366397	372689	379081	385576	392175	398880	405695	412621	419660	426816		
B	5.119	5.093	5.066	5.039	5.011	4.982	4.953	4.923	4.892	4.860	4.828	4.795	4.761	4.727	4.692	4.656		
18.25 A	329369	335095	340908	346812	352807	358896	365081	371364	377747	384233	390823	397519	404325	411243	418274	425421		
B	5.123	5.097	5.071	5.044	5.016	4.988	4.958	4.928	4.898	4.867	4.835	4.802	4.768	4.734	4.699	4.664		
18.50 A	328112	333828	339632	345526	351512	357592	363768	370041	376415	382892	389473	396161	402958	409867	416889	424028		
B	5.127	5.102	5.076	5.049	5.021	4.993	4.964	4.934	4.904	4.873	4.841	4.809	4.775	4.742	4.707	4.672		
18.75 A	326858	332564	338359	344243	350219	356290	362456	368721	375086	381553	388125	394804	401593	408493	415507	422638		
B	5.132	5.106	5.080	5.054	5.026	4.998	4.970	4.940	4.910	4.879	4.848	4.815	4.782	4.749	4.714	4.679		
19.00 A	325606	331302	337087	342962	348929	354990	361147	367403	373758	380217	386780	393450	400230	407121	414127	421249		
B	5.136	5.111	5.085	5.059	5.032	5.004	4.975	4.946	4.916	4.886	4.854	4.822	4.789	4.756	4.722	4.687		
19.25 A	324356	330043	335818	341683	347641	353693	359840	366086	372433	378882	385436	392098	398869	405751	412749	419863		
B	5.140	5.115	5.090	5.064	5.037	5.009	4.981	4.952	4.922	4.892	4.861	4.829	4.797	4.763	4.729	4.695		
19.50 A	323108	328785	334551	340407	346355	352397	358536	364772	371110	377550	384095	390748	397510	404384	411373	418478		
B	5.144	5.120	5.094	5.068	5.042	5.014	4.986	4.958	4.928	4.898	4.867	4.836	4.803	4.771	4.737	4.703		
19.75 A	321863	327530	333286	339133	345071	351104	357233	363461	369789	376220	382756	389400	396153	403019	409999	417096		
B	5.148	5.124	5.099	5.073	5.047	5.020	4.992	4.963	4.934	4.904	4.874	4.842	4.810	4.778	4.744	4.710		
20.00 A	320619	326278	332024	337861	343790	349813	355933	362151	368470	374892	381419	388054	394799	401655	408627	415716		
B	5.152	5.128	5.104	5.078	5.052	5.025	4.998	4.969	4.940	4.911	4.880	4.849	4.817	4.785	4.752	4.718		
20.25 A	319379	325027	330764	336591	342511	348525	354635	360844	367154	373567	380085	386711	393446	400294	407257	414338		
B	5.157	5.133	5.108	5.083	5.057	5.030	5.003	4.975	4.946	4.917	4.887	4.856	4.824	4.792	4.759	4.725		
20.50 A	318140	323779	329506	335324	341234	347238	353339	359539	365840	372243	378752	385369	392096	398935	405890	412962		
B	5.161	5.137	5.113	5.088	5.062	5.036	5.008	4.981	4.952	4.923	4.893	4.862	4.831	4.799	4.766	4.733		
20.75 A	316904	322533	328251	334059	339959	345954	352046	358236	364527	370922	377422	384030	390748	397579	404524	411588		
B	5.165	5.141	5.117	5.092	5.067	5.041	5.014	4.986	4.958	4.929	4.899	4.869	4.838	4.806	4.774	4.741		
21.00 A	315670	321290	326997	332796	338687	344672	350754	356935	363218	369603	376094	382693	389402	396224	403161	410216		
B	5.169	5.146	5.122	5.097	5.072	5.046	5.019	4.992	4.964	4.935	4.906	4.876	4.845	4.813	4.781	4.748		
21.25 A	314439	320048	325746	331535	337417	343393	349465	355637	361910	368286	374768	381358	388058	394872	401800	408847		
B	5.173	5.150	5.126	5.102	5.077	5.051	5.025	4.998	4.970	4.941	4.912	4.882	4.852	4.820	4.788	4.756		
21.50 A	313209	318809	324498	330277	336149	342115	348178	354341	360604	366972	373444	380025	386717	393521	400441	407479		
B	5.177	5.154	5.131	5.107	5.082	5.056	5.030	5.003	4.976	4.947	4.918	4.889	4.858	4.827	4.796	4.763		
21.75 A	311982	317573	323251	329021	334883	340840	346894	353047	359301	365659	372123	378695	385377	392173	399084	406114		
B	5.181	5.158	5.135	5.111	5.087	5.061	5.035	5.009	4.981	4.953	4.925	4.895	4.865	4.834	4.803	4.771		

		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE												F=1/(A+DP*B)			
TEMP DEG C		574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604
22.00	A	310758	316338	322007	327767	333620	339567	345612	351755	358000	364349	370803	377366	384040	390827	397730	404750
	B	5.185	5.162	5.139	5.116	5.092	5.066	5.041	5.014	4.987	4.959	4.931	4.902	4.872	4.841	4.810	4.778
22.25	A	309536	315106	320765	326516	332359	338296	344331	350466	356701	363041	369486	376040	382705	389483	396377	403389
	B	5.189	5.167	5.144	5.120	5.096	5.072	5.046	5.020	4.993	4.965	4.937	4.908	4.879	4.848	4.817	4.786
22.50	A	308316	313876	319526	325266	331100	337028	343054	349178	355405	361735	368171	374716	381372	388141	395027	402030
	B	5.192	5.171	5.148	5.125	5.101	5.077	5.051	5.025	4.999	4.971	4.943	4.915	4.885	4.855	4.824	4.793
22.75	A	307098	312649	318289	324019	329843	335762	341778	347893	354110	360431	366859	373394	380041	386802	393678	400674
	B	5.196	5.175	5.153	5.130	5.106	5.082	5.057	5.031	5.004	4.977	4.950	4.921	4.892	4.862	4.832	4.800
23.00	A	305883	311424	317054	322775	328589	334498	340505	346611	352818	359130	365548	372075	378713	385464	392332	399319
	B	5.200	5.179	5.157	5.134	5.111	5.087	5.062	5.036	5.010	4.983	4.956	4.928	4.899	4.869	4.839	4.808
23.25	A	304670	310201	315821	321532	327337	333236	339233	345330	351528	357831	364240	370757	377386	384129	390988	397966
	B	5.204	5.183	5.161	5.139	5.115	5.092	5.067	5.042	5.016	4.989	4.962	4.934	4.905	4.876	4.846	4.815
23.50	A	303459	308980	314591	320292	326087	331977	337965	344052	350241	356534	362933	369442	376062	382796	389646	396616
	B	5.208	5.187	5.165	5.143	5.120	5.096	5.072	5.047	5.021	4.995	4.968	4.940	4.912	4.883	4.853	4.822
23.75	A	302251	307762	313363	319055	324840	330720	336698	342775	348955	355239	361629	368129	374740	381465	388307	395267
	B	5.212	5.191	5.170	5.148	5.125	5.101	5.077	5.053	5.027	5.001	4.974	4.947	4.918	4.890	4.860	4.830
24.00	A	301045	306546	312137	317819	323594	329465	335433	341502	347672	353946	360328	366818	373420	380136	386969	393921
	B	5.215	5.195	5.174	5.152	5.129	5.106	5.082	5.058	5.033	5.007	4.980	4.953	4.925	4.896	4.867	4.837
24.25	A	299841	305333	310914	316586	322352	328213	334171	340230	346391	352656	359028	365509	372102	378810	385634	392577
	B	5.219	5.199	5.178	5.156	5.134	5.111	5.088	5.063	5.038	5.013	4.986	4.959	4.931	4.903	4.874	4.844
24.50	A	298639	304121	309693	315355	321111	326962	332911	338961	345112	351368	357731	364203	370787	377485	384301	391235
	B	5.223	5.203	5.182	5.161	5.139	5.116	5.093	5.069	5.044	5.018	4.992	4.965	4.938	4.910	4.881	4.851
24.75	A	297440	302912	308474	314126	319873	325714	331654	337693	343835	350082	356435	362898	369473	376163	382969	389896
	B	5.226	5.207	5.186	5.165	5.143	5.121	5.098	5.074	5.049	5.024	4.998	4.972	4.944	4.916	4.888	4.859
25.00	A	296244	301706	307257	312900	318636	324469	330398	336428	342561	348798	355142	361596	368162	374843	381640	388558
	B	5.230	5.210	5.190	5.169	5.148	5.126	5.103	5.079	5.055	5.030	5.004	4.978	4.951	4.923	4.895	4.866
25.25	A	295049	300501	306043	311676	317403	323225	329145	335166	341289	347517	353852	360296	366853	373525	380314	387222
	B	5.234	5.214	5.194	5.174	5.152	5.130	5.108	5.084	5.060	5.036	5.010	4.984	4.957	4.930	4.902	4.873
25.50	A	293857	299299	304831	310454	316171	321984	327894	333905	340019	346237	352563	358999	365546	372209	378989	385889
	B	5.237	5.218	5.198	5.178	5.157	5.135	5.113	5.090	5.066	5.041	5.016	4.990	4.964	4.936	4.909	4.880
25.75	A	292668	298100	303622	309235	314942	320745	326646	332647	338751	344960	351277	357703	364242	370895	377667	384558
	B	5.241	5.222	5.202	5.182	5.161	5.140	5.118	5.095	5.071	5.047	5.022	4.996	4.970	4.943	4.915	4.887

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+DP*B)									
		574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604				
26.00	A	291480	296902	302414	308018	313715	319508	325399	331391	337486	343685	349993	356410	362939	369584	376346	383229				
	B	5.244	5.226	5.206	5.187	5.166	5.145	5.123	5.100	5.077	5.053	5.028	5.002	4.976	4.950	4.922	4.894				
26.25	A	290295	295707	301209	306803	312490	318274	324155	330138	336223	342413	348711	355118	361639	368275	375028	381902				
	B	5.248	5.229	5.210	5.191	5.170	5.149	5.127	5.105	5.082	5.058	5.034	5.009	4.983	4.956	4.929	4.901				
26.50	A	289112	294515	300007	305590	311268	317042	322914	328886	334962	341142	347431	353829	360341	366967	373712	380577				
	B	5.251	5.233	5.214	5.195	5.175	5.154	5.132	5.110	5.087	5.064	5.039	5.015	4.989	4.963	4.936	4.908				
26.75	A	287932	293324	298806	304380	310048	315812	321674	327637	333703	339874	346153	352543	359045	365663	372398	379255				
	B	5.255	5.237	5.218	5.199	5.179	5.159	5.137	5.115	5.093	5.069	5.045	5.021	4.995	4.969	4.943	4.915				
27.00	A	286754	292136	297608	303172	308830	314584	320437	326390	332446	338608	344878	351258	357751	364360	371087	377934				
	B	5.258	5.241	5.222	5.203	5.183	5.163	5.142	5.120	5.098	5.075	5.051	5.027	5.002	4.976	4.949	4.922				
27.25	A	285578	290951	296413	301967	307615	313359	319202	325145	331192	337345	343605	349976	356460	363059	369777	376616				
	B	5.262	5.244	5.226	5.207	5.188	5.168	5.147	5.125	5.103	5.080	5.057	5.033	5.008	4.982	4.956	4.929				
27.50	A	284405	289767	295219	300763	306401	312136	317969	323903	329940	336083	342334	348696	355170	361761	368470	375300				
	B	5.265	5.248	5.230	5.211	5.192	5.172	5.152	5.130	5.108	5.086	5.063	5.039	5.014	4.989	4.963	4.936				
27.75	A	283234	288586	294028	299562	305191	310915	316738	322663	328690	334824	341065	347418	353883	360465	367164	373986				
	B	5.268	5.251	5.234	5.215	5.196	5.177	5.156	5.135	5.114	5.091	5.068	5.044	5.020	4.995	4.969	4.943				
28.00	A	282066	287408	292840	298364	303982	309697	315510	321425	327443	333567	339799	346142	352598	359170	365861	372674				
	B	5.272	5.255	5.238	5.220	5.201	5.181	5.161	5.140	5.119	5.097	5.074	5.050	5.026	5.001	4.976	4.950				
28.25	A	280899	286231	291653	297167	302776	308481	314284	320189	326198	332312	338535	344868	351315	357879	364561	371364				
	B	5.275	5.259	5.241	5.224	5.205	5.186	5.166	5.145	5.124	5.102	5.080	5.056	5.032	5.008	4.982	4.957				
28.50	A	279735	285057	290469	295973	301572	307267	313061	318956	324955	331059	337273	343597	350035	356589	363262	370057				
	B	5.278	5.262	5.245	5.228	5.209	5.190	5.171	5.150	5.129	5.108	5.085	5.062	5.038	5.014	4.989	4.963				
28.75	A	278574	283886	289287	294781	300370	306055	311839	317725	323714	329809	336013	342328	348756	355301	361965	368751				
	B	5.282	5.266	5.249	5.231	5.213	5.195	5.175	5.155	5.134	5.113	5.091	5.068	5.045	5.020	4.996	4.970				
29.00	A	277415	282716	288108	293592	299171	304846	310620	316496	322475	328561	334755	341061	347480	354016	360671	367448				
	B	5.285	5.269	5.253	5.235	5.218	5.199	5.180	5.160	5.139	5.118	5.096	5.074	5.051	5.027	5.002	4.977				
29.25	A	276258	281549	286931	292405	297973	303639	309403	315269	321239	327315	333500	339796	346206	352733	359379	366147				
	B	5.288	5.273	5.256	5.239	5.222	5.203	5.184	5.165	5.145	5.124	5.102	5.080	5.057	5.033	5.009	4.984				
29.50	A	275103	280385	285756	291220	296779	302434	308189	314045	320005	326072	332247	338534	344935	351452	358089	364848				
	B	5.291	5.276	5.260	5.243	5.226	5.208	5.189	5.170	5.150	5.129	5.107	5.085	5.063	5.039	5.015	4.990				
29.75	A	273951	279222	284584	290038	295586	301232	306977	312823	318773	324830	330936	337273	343665	350173	356801	363551				
	B	5.295	5.279	5.264	5.247	5.230	5.212	5.194	5.174	5.155	5.134	5.113	5.091	5.069	5.045	5.022	4.997				

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+DP*B)									
		574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604				
30.00	A	27801	278062	283414	288858	294396	300032	305767	311603	317544	323591	329747	336015	342398	348897	355515	362257				
	B	5.298	5.283	5.267	5.251	5.234	5.216	5.198	5.179	5.160	5.139	5.118	5.097	5.075	5.052	5.028	5.004				
30.25	A	271654	276905	282246	287680	293208	298834	304559	310386	316317	322354	328501	334760	341132	347622	354232	360964				
	B	5.301	5.286	5.271	5.255	5.238	5.221	5.203	5.184	5.165	5.145	5.124	5.103	5.080	5.058	5.034	5.010				
30.50	A	270509	275750	281081	286504	292023	297638	303353	309170	315092	321120	327257	333506	339869	346350	352951	359674				
	B	5.304	5.289	5.274	5.259	5.242	5.225	5.207	5.189	5.170	5.150	5.129	5.108	5.086	5.064	5.041	5.017				
30.75	A	269366	274597	279918	285331	290840	296445	302150	307957	313869	319887	326015	332255	338609	345080	351672	358386				
	B	5.307	5.293	5.278	5.262	5.246	5.229	5.212	5.193	5.174	5.155	5.135	5.114	5.092	5.070	5.047	5.024				
31.00	A	268226	273446	278757	284160	289659	295254	300950	306747	312649	318657	324775	331005	337350	343812	350395	357100				
	B	5.310	5.296	5.281	5.266	5.250	5.233	5.216	5.198	5.179	5.160	5.140	5.119	5.098	5.076	5.053	5.030				
31.25	A	267088	272298	277599	282992	288480	294066	299751	305538	311430	317429	323538	329758	336094	342547	349120	355816				
	B	5.313	5.299	5.285	5.270	5.254	5.238	5.220	5.203	5.184	5.165	5.145	5.125	5.104	5.082	5.060	5.037				
31.50	A	265953	271152	276442	281826	287304	292879	298555	304332	310214	316204	322303	328514	334840	341283	347848	354535				
	B	5.316	5.303	5.288	5.273	5.258	5.242	5.225	5.207	5.189	5.170	5.151	5.131	5.110	5.088	5.066	5.043				
31.75	A	264820	270009	275289	280662	286130	291695	297361	303128	309001	314980	321070	327271	333588	340022	346577	353255				
	B	5.319	5.306	5.292	5.277	5.262	5.246	5.229	5.212	5.194	5.175	5.156	5.136	5.116	5.094	5.072	5.050				
32.00	A	263689	268868	274138	279500	284958	290514	296169	301927	307789	313759	319839	326031	332338	338763	345309	351978				
	B	5.322	5.309	5.295	5.281	5.266	5.250	5.234	5.217	5.199	5.180	5.161	5.142	5.121	5.100	5.079	5.056				
32.25	A	262560	267729	272989	278341	283789	289334	294980	300728	306580	312540	318610	324793	331091	337507	344043	350703				
	B	5.325	5.312	5.299	5.284	5.270	5.254	5.238	5.221	5.204	5.185	5.167	5.147	5.127	5.106	5.085	5.063				
32.50	A	261434	266593	271842	277184	282622	288157	293793	299531	305373	311324	317384	323557	329845	336252	342779	349430				
	B	5.328	5.315	5.302	5.288	5.273	5.258	5.242	5.226	5.208	5.190	5.172	5.153	5.133	5.112	5.091	5.069				
32.75	A	260311	265459	270698	276030	281457	286983	292608	298336	304169	310109	316160	322323	328602	335000	341518	348160				
	B	5.331	5.318	5.305	5.292	5.277	5.262	5.246	5.230	5.213	5.195	5.177	5.158	5.138	5.118	5.097	5.076				
33.00	A	259189	264327	269556	274878	280295	285810	291426	297143	302967	308897	314938	321092	327362	333749	340258	346891				
	B	5.334	5.321	5.309	5.295	5.281	5.266	5.251	5.235	5.218	5.200	5.182	5.163	5.144	5.124	5.103	5.082				
33.25	A	258070	263198	268416	273728	279135	284640	290245	295953	301767	307687	313719	319863	326123	332501	339001	345625				
	B	5.336	5.325	5.312	5.299	5.285	5.270	5.255	5.239	5.222	5.205	5.187	5.169	5.150	5.130	5.109	5.088				
33.50	A	256954	262071	267279	272580	277977	283472	289067	294766	300569	306480	312502	318636	324887	331256	337746	344361				
	B	5.339	5.328	5.315	5.302	5.288	5.274	5.259	5.243	5.227	5.210	5.193	5.174	5.155	5.136	5.115	5.095				
33.75	A	255840	260946	266144	271435	276822	282307	287892	293580	299373	305275	311286	317412	323653	330012	336493	343099				
	B	5.342	5.331	5.318	5.306	5.292	5.278	5.263	5.248	5.232	5.215	5.198	5.180	5.161	5.142	5.122	5.101				

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C										F=1/(A+DP*B) CUBIC METRE									
		574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604				
34.00	A	254728	259824	265012	270293	275669	281144	286719	292397	298180	304072	310074	316189	322421	328771	335243	341839				
	B	5.345	5.334	5.322	5.309	5.296	5.282	5.267	5.252	5.236	5.220	5.203	5.185	5.166	5.147	5.128	5.107				
34.25	A	253619	258705	263882	269152	274518	279983	285548	291216	296989	302871	308863	314969	321191	327532	333994	340582				
	B	5.348	5.337	5.325	5.313	5.300	5.286	5.272	5.257	5.241	5.225	5.208	5.190	5.172	5.153	5.134	5.113				
34.50	A	252512	257587	262754	268014	273370	278824	284379	290037	295801	301672	307655	313751	319963	326295	332748	339326				
	B	5.350	5.340	5.328	5.316	5.303	5.290	5.276	5.261	5.246	5.230	5.213	5.196	5.178	5.159	5.140	5.120				
34.75	A	251407	256472	261628	266878	272224	277668	283213	288861	294614	300476	306449	312535	318738	325060	331504	338073				
	B	5.353	5.342	5.331	5.319	5.307	5.294	5.280	5.265	5.250	5.234	5.218	5.201	5.183	5.165	5.146	5.126				
35.00	A	250305	255360	260505	265745	271080	276514	282049	287687	293430	299282	305245	311322	317515	323828	330262	336822				
	B	5.356	5.345	5.334	5.323	5.310	5.297	5.284	5.270	5.255	5.239	5.223	5.206	5.188	5.170	5.151	5.132				
35.25	A	249205	254249	259385	264614	269939	275363	280887	286515	292248	298091	304044	310111	316294	322597	329023	335573				
	B	5.358	5.348	5.337	5.326	5.314	5.301	5.288	5.274	5.259	5.244	5.228	5.211	5.194	5.176	5.157	5.138				
35.50	A	248108	253141	258267	263485	268800	274213	279728	285345	291069	296901	302845	308902	315076	321369	327785	334327				
	B	5.361	5.351	5.340	5.329	5.317	5.305	5.292	5.278	5.264	5.248	5.233	5.216	5.199	5.182	5.163	5.144				
35.75	A	247013	252036	257151	262359	267664	273067	278571	284178	289892	295714	301648	307695	313860	320144	326550	333082				
	B	5.364	5.354	5.344	5.333	5.321	5.309	5.296	5.282	5.268	5.253	5.238	5.222	5.205	5.187	5.169	5.150				
36.00	A	245920	250933	256037	261235	266529	271922	277416	283013	288717	294529	300453	306491	312646	318920	325317	331840				
	B	5.366	5.357	5.347	5.336	5.324	5.312	5.300	5.286	5.272	5.258	5.243	5.227	5.210	5.193	5.175	5.157				
36.25	A	244830	249832	254926	260113	265397	270780	276263	281851	287544	293347	299260	305289	311434	317699	324087	330600				
	B	5.369	5.359	5.350	5.339	5.328	5.316	5.304	5.291	5.277	5.262	5.247	5.232	5.215	5.198	5.181	5.163				
36.50	A	243742	248734	253817	258994	264268	269640	275113	280691	286374	292166	298070	304089	310224	316480	322858	329362				
	B	5.371	5.362	5.353	5.342	5.331	5.320	5.308	5.295	5.281	5.267	5.252	5.237	5.221	5.204	5.187	5.169				
36.75	A	242657	247638	252711	257877	263141	268502	273966	279533	285206	290988	296882	302891	309017	315263	321632	328127				
	B	5.374	5.365	5.355	5.345	5.335	5.323	5.311	5.299	5.286	5.272	5.257	5.242	5.226	5.210	5.192	5.175				
37.00	A	241574	246544	251607	256763	262016	267367	272820	278377	284040	289813	295697	301696	307812	314048	320408	326893				
	B	5.376	5.368	5.358	5.349	5.338	5.327	5.315	5.303	5.290	5.276	5.262	5.247	5.231	5.215	5.198	5.181				
37.25	A	240493	245453	250505	255651	260893	266234	271677	277224	282877	288639	294513	300502	306609	312836	319186	325662				
	B	5.379	5.370	5.361	5.352	5.342	5.331	5.319	5.307	5.294	5.281	5.267	5.252	5.237	5.221	5.204	5.187				
37.50	A	239415	244365	249406	254541	259773	265104	270536	276073	281716	287468	293332	299311	305408	311625	317966	324433				
	B	5.381	5.373	5.364	5.355	5.345	5.334	5.323	5.311	5.298	5.285	5.271	5.257	5.242	5.226	5.210	5.193				
37.75	A	238339	243278	248309	253434	258655	263976	269398	274924	280557	286299	292154	298123	304210	310417	316749	323206				
	B	5.383	5.376	5.367	5.358	5.348	5.338	5.327	5.315	5.303	5.290	5.276	5.262	5.247	5.231	5.215	5.198				

		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
TEMP DEG C		574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604	
38.00	A	237266	242194	247214	252329	257540	262850	268262	273778	279400	285133	290977	296936	303014	309212	315533	321982	
	B	5.386	5.378	5.370	5.361	5.351	5.341	5.330	5.319	5.307	5.294	5.281	5.267	5.252	5.237	5.221	5.204	
38.25	A	236195	241113	246122	251226	256427	261726	267128	272633	278246	283968	289803	295752	301820	308008	314320	320759	
	B	5.388	5.381	5.373	5.364	5.355	5.345	5.334	5.323	5.311	5.299	5.285	5.272	5.257	5.242	5.227	5.210	
38.50	A	235127	240034	245032	250126	255316	260605	265996	271492	277094	282806	288631	294570	300628	306807	313109	319539	
	B	5.390	5.383	5.375	5.367	5.358	5.348	5.338	5.327	5.315	5.303	5.290	5.277	5.262	5.248	5.232	5.216	
38.75	A	234061	238957	243945	249028	254207	259486	264867	270352	275945	281647	287461	293391	299439	305608	311901	318321	
	B	5.393	5.386	5.378	5.370	5.361	5.352	5.342	5.331	5.319	5.307	5.295	5.281	5.268	5.253	5.238	5.222	
39.00	A	232997	237882	242860	247932	253101	258370	263740	269215	274797	280489	286294	292214	298252	304411	310695	317105	
	B	5.395	5.388	5.381	5.373	5.364	5.355	5.345	5.335	5.324	5.312	5.299	5.286	5.273	5.258	5.243	5.228	
39.25	A	231936	236810	241778	246839	251998	257256	262616	268080	273652	279334	285128	291038	297067	303216	309490	315892	
	B	5.397	5.391	5.384	5.376	5.368	5.359	5.349	5.339	5.328	5.316	5.304	5.291	5.278	5.264	5.249	5.233	
39.50	A	230877	235741	240697	245748	250896	256144	261494	266948	272510	278181	283966	289866	295884	302024	308289	314680	
	B	5.399	5.393	5.386	5.379	5.371	5.362	5.353	5.342	5.332	5.320	5.308	5.296	5.283	5.269	5.254	5.239	
39.75	A	229820	234674	239620	244660	249798	255035	260374	265818	271369	277031	282805	288695	294704	300834	307089	313471	
	B	5.402	5.396	5.389	5.382	5.374	5.365	5.356	5.346	5.336	5.325	5.313	5.301	5.288	5.274	5.260	5.245	
40.00	A	228766	233609	238544	243574	248701	253928	259256	264690	270231	275882	281647	287527	293526	299646	305891	312264	
	B	5.404	5.398	5.392	5.385	5.377	5.369	5.360	5.350	5.340	5.329	5.318	5.305	5.293	5.279	5.265	5.251	
40.25	A	227715	232547	237471	242490	247607	252823	258141	263565	269095	274737	280491	286361	292350	298461	304696	311060	
	B	5.406	5.400	5.394	5.387	5.380	5.372	5.363	5.354	5.344	5.333	5.322	5.310	5.298	5.284	5.271	5.256	
40.50	A	226666	231487	236401	241409	246515	251721	257028	262441	267962	273593	279337	285197	291176	297277	303503	309857	
	B	5.408	5.403	5.397	5.390	5.383	5.375	5.367	5.358	5.348	5.337	5.326	5.315	5.302	5.290	5.276	5.262	
40.75	A	225619	230429	235332	240330	245426	250621	255918	261321	266831	272452	278186	284036	290005	296096	302313	308657	
	B	5.410	5.405	5.399	5.393	5.386	5.378	5.370	5.361	5.352	5.342	5.331	5.319	5.307	5.295	5.281	5.267	
41.00	A	224575	229374	234267	239254	244338	249523	254810	260202	265702	271313	277036	282877	288836	294917	301124	307459	
	B	5.412	5.407	5.402	5.396	5.389	5.382	5.374	5.365	5.356	5.346	5.335	5.324	5.312	5.300	5.287	5.273	
41.25	A	223533	228322	233203	238180	243254	248428	253704	259086	264576	270176	275890	281720	287669	293741	299938	306263	
	B	5.414	5.410	5.404	5.399	5.392	5.385	5.377	5.369	5.360	5.350	5.340	5.329	5.317	5.305	5.292	5.279	
41.50	A	222493	227271	232142	237108	242171	247335	252601	257972	263451	269041	274745	280565	286505	292566	298754	305070	
	B	5.416	5.412	5.407	5.401	5.395	5.388	5.381	5.372	5.364	5.354	5.344	5.333	5.322	5.310	5.297	5.284	
41.75	A	221456	226224	231084	236039	241091	246244	251500	256861	262330	267909	273603	279413	285342	291394	297572	303878	
	B	5.418	5.414	5.409	5.404	5.398	5.391	5.384	5.376	5.367	5.358	5.348	5.338	5.327	5.315	5.303	5.290	

COMPRESSIBILITY FACTOR PER KILOPASCAL $F=1/(A+DP*B)$

DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604
42.00 A	220422	225178	230028	234972	240014	245156	250401	255751	261210	266780	272463	278263	284182	290225	296392	302699
B	5.420	5.416	5.412	5.407	5.401	5.394	5.387	5.380	5.371	5.362	5.353	5.342	5.332	5.320	5.308	5.295
42.25 A	219390	224135	228974	233907	238939	244070	249305	254645	260093	265652	271325	277115	283025	289057	295215	301502
B	5.422	5.419	5.414	5.409	5.404	5.397	5.391	5.383	5.375	5.366	5.357	5.347	5.336	5.325	5.313	5.301
42.50 A	218360	223095	227922	232845	237866	242987	248211	253540	258978	264527	270190	275970	281869	287892	294040	300318
B	5.424	5.421	5.417	5.412	5.407	5.401	5.394	5.387	5.379	5.370	5.361	5.351	5.341	5.330	5.318	5.306
42.75 A	217333	222057	226873	231786	236796	241906	247119	252438	257865	263404	269057	274826	280716	286729	292867	299135
B	5.426	5.423	5.419	5.415	5.409	5.404	5.397	5.390	5.383	5.374	5.365	5.356	5.346	5.335	5.324	5.312
43.00 A	216308	221021	225827	230728	235727	240827	246030	251338	256755	262283	267926	273685	279565	285568	291697	297955
B	5.428	5.425	5.421	5.417	5.412	5.407	5.400	5.394	5.386	5.378	5.370	5.360	5.350	5.340	5.329	5.317
43.25 A	215285	219988	224783	229673	234662	239751	244943	250241	255647	261165	266797	272547	278416	284409	290528	296777
B	5.430	5.427	5.424	5.420	5.415	5.410	5.404	5.397	5.390	5.382	5.374	5.365	5.355	5.345	5.334	5.322
43.50 A	214266	218957	223741	228621	233599	238677	243858	249146	254542	260049	265671	271411	277270	283253	289362	295601
B	5.432	5.429	5.426	5.422	5.418	5.413	5.407	5.401	5.394	5.386	5.378	5.369	5.360	5.350	5.339	5.328
43.75 A	213248	217928	222702	227571	232538	237605	242776	248053	253439	258936	264547	270276	276126	282099	288198	294428
B	5.434	5.431	5.428	5.425	5.420	5.416	5.410	5.404	5.397	5.390	5.382	5.374	5.364	5.354	5.344	5.333
44.00 A	212233	216903	221665	226523	231479	236536	241696	246963	252338	257824	263426	269145	274984	280947	287037	293257
B	5.435	5.433	5.430	5.427	5.423	5.419	5.413	5.407	5.401	5.394	5.386	5.378	5.369	5.359	5.349	5.338
44.25 A	211220	215879	220631	225478	230423	235469	240619	245875	251239	256716	262307	268015	273845	279798	285878	292087
B	5.437	5.435	5.433	5.430	5.426	5.421	5.416	5.411	5.405	5.398	5.390	5.382	5.373	5.364	5.354	5.344
44.50 A	210210	214858	219599	224435	229369	234405	239544	244789	250143	255609	261190	266888	272707	278650	284720	290921
B	5.439	5.437	5.435	5.432	5.428	5.424	5.420	5.414	5.408	5.402	5.394	5.386	5.378	5.369	5.359	5.349
44.75 A	209203	213839	218569	223394	228318	233343	238471	243706	249049	254505	260075	265763	271572	277505	283566	289756
B	5.441	5.439	5.437	5.434	5.431	5.427	5.423	5.418	5.412	5.405	5.398	5.391	5.383	5.374	5.364	5.354
45.00 A	208197	212823	217542	222356	227269	232283	237401	242625	247958	253403	258963	264641	270440	276363	282413	288594
B	5.442	5.441	5.439	5.437	5.434	5.430	5.426	5.421	5.415	5.409	5.402	5.395	5.387	5.378	5.369	5.359
45.25 A	207195	211809	216517	221321	226223	231226	236333	241546	246868	252303	257853	263520	269309	275222	281263	287434
B	5.444	5.443	5.441	5.439	5.436	5.433	5.429	5.424	5.419	5.413	5.406	5.399	5.391	5.383	5.374	5.364
45.50 A	206194	210798	215495	220288	225179	230171	235267	240470	245782	251206	256745	262403	268181	274084	280115	286276
B	5.446	5.445	5.443	5.441	5.439	5.436	5.432	5.427	5.422	5.417	5.410	5.403	5.396	5.388	5.379	5.370
45.75 A	205196	209789	214475	219257	224137	229118	234204	239396	244697	250111	255640	261287	267055	272948	278969	285120
B	5.447	5.447	5.446	5.444	5.441	5.438	5.435	5.431	5.426	5.420	5.414	5.408	5.400	5.392	5.384	5.375

		COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
		574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604	
TEMP	DEG C																	
46.00	A	204201	208783	213457	218228	223098	228068	233143	238324	243615	249018	254537	260174	265932	271815	277825	283967	
	B	5.449	5.448	5.448	5.446	5.444	5.441	5.438	5.434	5.429	5.424	5.418	5.412	5.405	5.397	5.389	5.380	
46.25	A	203208	207779	212442	217202	222061	227021	232084	237255	242535	247928	253436	259062	264811	270683	276684	282816	
	B	5.450	5.450	5.450	5.448	5.446	5.444	5.441	5.437	5.433	5.428	5.422	5.416	5.409	5.402	5.394	5.385	
46.50	A	202218	206777	211430	216179	221026	225975	231028	236188	241458	246840	252337	257954	263692	269554	275545	281667	
	B	5.452	5.452	5.452	5.451	5.449	5.447	5.444	5.440	5.436	5.431	5.426	5.420	5.413	5.406	5.398	5.390	
46.75	A	201230	205778	210420	215158	219994	224932	229975	235124	240383	245754	251241	256847	262575	268428	274408	280521	
	B	5.453	5.454	5.454	5.453	5.451	5.449	5.447	5.443	5.439	5.435	5.430	5.424	5.418	5.411	5.403	5.395	
47.00	A	200244	204781	209412	214139	218965	223892	228923	234062	239310	244671	250148	255743	261461	267303	273274	279376	
	B	5.455	5.455	5.455	5.455	5.454	5.452	5.449	5.446	5.443	5.438	5.434	5.428	5.422	5.415	5.408	5.400	
47.25	A	199261	203787	208407	213123	217937	222854	227874	233002	238239	243590	249056	254641	260349	266181	272142	278234	
	B	5.456	5.457	5.457	5.457	5.456	5.454	5.452	5.449	5.446	5.442	5.437	5.432	5.426	5.420	5.413	5.405	
47.50	A	198280	202795	207404	212109	216913	221818	226828	231944	237171	242511	247967	253542	259239	265061	271012	277094	
	B	5.458	5.459	5.459	5.459	5.458	5.457	5.455	5.453	5.449	5.446	5.441	5.436	5.431	5.424	5.417	5.410	
47.75	A	197302	201806	206404	211097	215890	220785	225783	230889	236106	241435	246880	252445	258131	263943	269884	275957	
	B	5.459	5.460	5.461	5.461	5.461	5.460	5.458	5.456	5.453	5.449	5.445	5.440	5.435	5.429	5.422	5.415	
48.00	A	196327	200819	205406	210088	214870	219754	224742	229837	235042	240361	245796	251350	257026	262828	268759	274822	
	B	5.461	5.462	5.463	5.463	5.463	5.462	5.461	5.459	5.456	5.453	5.449	5.444	5.439	5.433	5.427	5.420	
48.25	A	195353	199835	204410	209082	213852	218725	223702	228787	233981	239289	244714	250257	255923	261715	267636	273689	
	B	5.462	5.464	5.465	5.465	5.465	5.465	5.463	5.462	5.459	5.456	5.452	5.448	5.443	5.438	5.431	5.425	
48.50	A	194383	198853	203417	208078	212837	217699	222665	227739	232923	238220	243634	249167	254823	260604	266515	272558	
	B	5.463	5.465	5.467	5.467	5.468	5.467	5.466	5.465	5.462	5.459	5.456	5.452	5.447	5.442	5.436	5.430	
48.75	A	193414	197874	202426	207076	211825	216675	221630	226693	231866	237153	242556	248079	253724	259496	265396	271429	
	B	5.465	5.467	5.468	5.469	5.470	5.470	5.469	5.467	5.465	5.463	5.460	5.456	5.451	5.446	5.441	5.434	
49.00	A	192449	196897	201438	206077	210814	215654	220598	225650	230813	236089	241481	246993	252629	258390	264280	270303	
	B	5.466	5.468	5.470	5.471	5.472	5.472	5.472	5.470	5.469	5.466	5.463	5.460	5.455	5.451	5.445	5.439	
49.25	A	191485	195922	200453	205080	209806	214635	219568	224609	229761	235026	240408	245910	251535	257286	263166	269179	
	B	5.467	5.470	5.472	5.473	5.474	5.475	5.474	5.473	5.472	5.470	5.467	5.463	5.460	5.455	5.450	5.444	
49.50	A	190525	194950	199469	204085	208801	213618	218541	223571	228712	233967	239338	244829	250444	256184	262054	268057	
	B	5.468	5.471	5.474	5.475	5.476	5.477	5.477	5.476	5.475	5.473	5.470	5.467	5.464	5.459	5.454	5.449	
49.75	A	189566	193980	198489	203093	207798	212604	217516	222535	227665	232909	238270	243751	249354	255085	260945	266938	
	B	5.470	5.473	5.475	5.477	5.479	5.479	5.479	5.479	5.478	5.476	5.474	5.471	5.468	5.463	5.459	5.453	

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+DP*B)									
	574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604				
50.00 A	188610	193013	197510	202104	206797	211592	216493	221501	226621	231854	237204	242674	248268	253988	259838	265821				
50.00 B	5.471	5.474	5.477	5.479	5.481	5.482	5.482	5.482	5.481	5.480	5.477	5.475	5.472	5.468	5.463	5.458				
50.25 A	187657	192049	196534	201117	205799	210583	215473	220470	225579	230801	236141	241600	247183	252893	258733	264706				
50.25 B	5.472	5.476	5.479	5.481	5.483	5.484	5.485	5.485	5.484	5.483	5.481	5.479	5.476	5.472	5.468	5.463				
50.50 A	186706	191086	195561	200132	204803	209576	214455	219441	224539	229751	235079	240529	246101	251801	257630	263593				
50.50 B	5.473	5.477	5.480	5.483	5.485	5.486	5.487	5.487	5.487	5.486	5.484	5.482	5.480	5.476	5.472	5.468				
50.75 A	185758	190127	194590	199150	203810	208572	213439	218415	223502	228703	234021	239459	245021	250711	256530	262483				
50.75 B	5.474	5.478	5.482	5.485	5.487	5.489	5.490	5.490	5.490	5.489	5.488	5.486	5.483	5.480	5.477	5.472				
51.00 A	184812	189170	193621	198170	202819	207570	212426	217391	222467	227657	232964	238392	243944	249623	255432	261375				
51.00 B	5.475	5.480	5.483	5.486	5.489	5.491	5.492	5.493	5.493	5.492	5.491	5.490	5.487	5.484	5.481	5.477				
51.25 A	183869	188215	192655	197193	201830	206570	211415	216369	221434	226613	231910	237328	242869	248537	254336	260269				
51.25 B	5.476	5.481	5.485	5.488	5.491	5.493	5.495	5.496	5.496	5.496	5.495	5.493	5.491	5.489	5.485	5.481				
51.50 A	182928	187262	191692	196218	200844	205573	210407	215350	220404	225572	230859	236265	241796	247454	253243	259165				
51.50 B	5.478	5.482	5.486	5.490	5.493	5.495	5.497	5.498	5.498	5.499	5.498	5.497	5.495	5.493	5.490	5.486				
51.75 A	181989	186313	190731	195246	199861	204578	209401	214333	219376	224534	229809	235205	240725	246373	252151	258064				
51.75 B	5.479	5.484	5.488	5.492	5.495	5.497	5.499	5.501	5.502	5.502	5.501	5.500	5.499	5.497	5.494	5.491				
52.00 A	181053	185365	189772	194276	198879	203586	208398	213318	218351	223498	228762	234148	239657	245294	251063	256965				
52.00 B	5.480	5.485	5.489	5.493	5.497	5.500	5.502	5.503	5.505	5.505	5.505	5.504	5.503	5.501	5.498	5.495				
52.25 A	180120	184421	188816	193308	197901	202596	207397	212306	217328	222464	227717	233092	238591	244218	249976	255868				
52.25 B	5.481	5.486	5.491	5.495	5.499	5.502	5.504	5.506	5.507	5.508	5.508	5.508	5.506	5.505	5.502	5.500				
52.50 A	179189	183478	187862	192343	196924	201608	206398	211297	216307	221432	226675	232039	237528	243144	248892	254774				
52.50 B	5.481	5.487	5.492	5.497	5.501	5.504	5.507	5.509	5.510	5.511	5.511	5.511	5.510	5.509	5.507	5.504				
52.75 A	178261	182538	186911	191381	195950	200623	205402	210289	215289	220403	225635	230989	236467	242073	247810	253682				
52.75 B	5.482	5.488	5.494	5.498	5.502	5.506	5.509	5.511	5.513	5.514	5.515	5.515	5.514	5.513	5.511	5.508				
53.00 A	177335	181601	185962	190420	194979	199641	204408	209284	214273	219376	224598	229940	235408	241003	246730	252592				
53.00 B	5.483	5.489	5.495	5.500	5.504	5.508	5.511	5.514	5.516	5.517	5.518	5.518	5.518	5.517	5.515	5.513				
53.25 A	176411	180666	185016	189463	194010	198660	203417	208282	213259	218352	223562	228894	234351	239936	245653	251504				
53.25 B	5.484	5.491	5.496	5.501	5.506	5.510	5.513	5.516	5.518	5.520	5.521	5.521	5.521	5.521	5.519	5.517				
53.50 A	175490	179734	184072	188508	193043	197683	202428	207282	212248	217330	222529	227851	233297	238871	244577	250419				
53.50 B	5.485	5.492	5.498	5.503	5.508	5.512	5.516	5.519	5.521	5.523	5.524	5.525	5.525	5.524	5.523	5.522				
53.75 A	174572	178804	183131	187555	192079	196707	201441	206284	211239	216310	221499	226809	232245	237809	243505	249336				
53.75 B	5.486	5.493	5.499	5.505	5.510	5.514	5.518	5.521	5.524	5.526	5.527	5.528	5.529	5.528	5.527	5.526				

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)		
		574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604		
54.00	A	173656	177876	182192	186605	191118	195734	200457	205289	210233	215293	220471	225770	231195	236749	242434	248255		
	B	5.487	5.494	5.500	5.506	5.511	5.516	5.520	5.524	5.526	5.529	5.531	5.532	5.532	5.532	5.532	5.530		
54.25	A	172743	176952	181255	185657	190159	194764	199475	204296	209229	214278	219445	224734	230148	235691	241366	247177		
	B	5.487	5.495	5.501	5.508	5.513	5.518	5.522	5.526	5.529	5.532	5.534	5.535	5.536	5.536	5.536	5.535		
54.50	A	171832	176029	180321	184711	189202	193796	198496	203306	208228	213265	218421	223700	229103	234636	240300	246100		
	B	5.488	5.496	5.503	5.509	5.515	5.520	5.524	5.528	5.532	5.535	5.537	5.538	5.539	5.540	5.540	5.539		
54.75	A	170923	175109	179390	183768	188248	192830	197519	202317	207228	212255	217400	222668	228061	233582	239237	245027		
	B	5.489	5.497	5.504	5.510	5.516	5.522	5.527	5.531	5.534	5.537	5.540	5.542	5.543	5.544	5.544	5.543		
55.00	A	170018	174192	178461	182828	187296	191867	196545	201332	206232	211247	216382	221638	227020	232532	238175	243955		
	B	5.490	5.498	5.505	5.512	5.518	5.524	5.529	5.533	5.537	5.540	5.543	5.545	5.546	5.547	5.548	5.547		
55.25	A	169114	173277	177535	181890	186346	190906	195573	200349	205237	210242	215365	220611	225983	231483	237116	242886		
	B	5.490	5.499	5.506	5.513	5.520	5.525	5.531	5.535	5.539	5.543	5.546	5.548	5.550	5.551	5.552	5.552		
55.50	A	168213	172364	176611	180955	185399	189948	194603	199368	204245	209239	214351	219586	224947	230437	236060	241819		
	B	5.491	5.499	5.507	5.515	5.521	5.527	5.533	5.538	5.542	5.546	5.549	5.551	5.553	5.555	5.556	5.556		
55.75	A	167315	171455	175689	180022	184455	188992	193636	198389	203256	208238	213340	218564	223914	229393	235005	240754		
	B	5.492	5.500	5.508	5.516	5.523	5.529	5.535	5.540	5.544	5.548	5.552	5.555	5.557	5.558	5.559	5.560		
56.00	A	166419	170547	174770	179091	183513	188039	192671	197413	202268	207240	212330	217544	222883	228352	233953	239692		
	B	5.492	5.501	5.509	5.517	5.524	5.531	5.537	5.542	5.547	5.551	5.555	5.558	5.560	5.562	5.563	5.564		
56.25	A	165526	169642	173854	178163	182573	187088	191709	196440	201284	206244	211323	216526	221854	227312	232904	238632		
	B	5.493	5.502	5.510	5.518	5.526	5.533	5.539	5.544	5.549	5.554	5.558	5.561	5.564	5.566	5.567	5.568		
56.50	A	164635	168740	172940	177238	181636	186139	190749	195469	200301	205250	210319	215510	220828	226276	231856	237574		
	B	5.493	5.503	5.511	5.520	5.527	5.534	5.541	5.546	5.552	5.556	5.561	5.564	5.567	5.569	5.571	5.572		
56.75	A	163747	167840	172028	176314	180702	185193	189791	194500	199321	204259	209317	214497	219804	225241	230811	236518		
	B	5.494	5.504	5.512	5.521	5.529	5.536	5.543	5.549	5.554	5.559	5.563	5.567	5.570	5.573	5.575	5.576		
57.00	A	162861	166943	171119	175394	179770	184250	188836	193533	198344	203271	208317	213487	218783	224209	229768	235465		
	B	5.494	5.504	5.513	5.522	5.530	5.538	5.544	5.551	5.557	5.562	5.566	5.570	5.574	5.576	5.579	5.580		
57.25	A	161978	166048	170213	174476	178840	183308	187884	192570	197369	202284	207320	212478	217764	223179	228728	234414		
	B	5.495	5.505	5.514	5.523	5.532	5.539	5.546	5.553	5.559	5.564	5.569	5.573	5.577	5.580	5.582	5.584		
57.50	A	161098	165155	169309	173560	177913	182370	186934	191608	196396	201300	206325	211472	216747	222151	227690	233366		
	B	5.495	5.506	5.515	5.524	5.533	5.541	5.548	5.555	5.561	5.567	5.572	5.576	5.580	5.583	5.586	5.588		
57.75	A	160220	164266	168407	172647	176988	181433	185986	190649	195426	200319	205332	210469	215732	221126	226654	232319		
	B	5.496	5.506	5.516	5.526	5.534	5.542	5.550	5.557	5.563	5.569	5.575	5.579	5.583	5.587	5.590	5.592		

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604	
58.00 A	159344	163378	167508	171736	176066	180500	185041	189692	194458	199340	204342	209468	214720	220103	225621	231275	
58.00 B	5.496	5.507	5.517	5.527	5.536	5.544	5.552	5.559	5.566	5.572	5.577	5.582	5.587	5.590	5.594	5.596	
58.25 A	158471	162493	166612	170828	175146	179568	184098	188738	193492	198363	203354	208469	213711	219083	224589	230234	
58.25 B	5.497	5.508	5.518	5.528	5.537	5.546	5.554	5.561	5.568	5.574	5.580	5.585	5.590	5.594	5.597	5.600	
58.50 A	157600	161611	165718	169922	174229	178639	183158	187786	192529	197389	202369	207472	212703	218065	223561	229194	
58.50 B	5.497	5.508	5.519	5.529	5.538	5.547	5.555	5.563	5.570	5.577	5.583	5.588	5.593	5.597	5.601	5.604	
58.75 A	156732	160731	164826	169019	173314	177713	182220	186837	191568	196417	201386	206478	211698	217049	222534	228157	
58.75 B	5.497	5.509	5.520	5.530	5.539	5.549	5.557	5.565	5.572	5.579	5.585	5.591	5.596	5.601	5.604	5.608	
59.00 A	155867	159854	163937	168119	172402	176789	181284	185890	190610	195447	200405	205486	210695	216035	221510	227123	
59.00 B	5.498	5.509	5.520	5.531	5.541	5.550	5.559	5.567	5.575	5.582	5.588	5.594	5.599	5.604	5.608	5.612	
59.25 A	155004	158979	163051	167220	171492	175868	180351	184946	189654	194480	199427	204497	209695	215024	220488	226090	
59.25 B	5.498	5.510	5.521	5.532	5.542	5.551	5.560	5.569	5.577	5.584	5.591	5.597	5.602	5.607	5.612	5.615	
59.50 A	154144	158107	162167	166325	170584	174949	179421	184004	188701	193515	198451	203510	208697	214015	219469	225060	
59.50 B	5.498	5.510	5.522	5.533	5.543	5.553	5.562	5.571	5.579	5.586	5.593	5.600	5.605	5.611	5.615	5.619	
59.75 A	153286	157238	161285	165431	169679	174032	178493	183064	187750	192553	197477	202525	207702	213009	218451	224033	
59.75 B	5.499	5.511	5.523	5.534	5.544	5.554	5.564	5.573	5.581	5.589	5.596	5.602	5.608	5.614	5.619	5.623	
60.00 A	152431	156371	160406	164541	168777	173118	177567	182127	186801	191593	196506	201543	206708	212005	217437	223007	
60.00 B	5.499	5.511	5.523	5.535	5.545	5.556	5.565	5.574	5.583	5.591	5.598	5.605	5.611	5.617	5.622	5.627	

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE										F=1/(A+DP*B)									
	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636	638	640	642	644
-46.00 A	858632	867741	876939	886228	895609	905084	914652	924317	934079	943939	953899	963960	974125	984393	994767	1005248				
-46.00 B	1.752	1.653	1.553	1.452	1.350	1.248	1.144	1.040	0.934	0.828	0.721	0.612	0.503	0.393	0.283	0.171				
-45.75 A	856734	858837	875030	884314	893690	903159	912723	922383	932140	941996	951952	962010	972170	982435	992805	1003283				
-45.75 B	1.766	1.667	1.568	1.467	1.366	1.263	1.160	1.056	0.950	0.844	0.737	0.629	0.521	0.411	0.300	0.189				
-45.50 A	854838	863936	873123	882402	891773	901237	910796	920451	930204	940056	950007	960061	970217	980478	990845	1001320				
-45.50 B	1.781	1.682	1.583	1.482	1.381	1.279	1.176	1.072	0.967	0.861	0.754	0.646	0.538	0.428	0.318	0.207				
-45.25 A	852943	862036	871218	880492	889857	899317	908871	918521	928269	938116	948064	958113	968266	978523	988886	999358				
-45.25 B	1.795	1.697	1.597	1.497	1.396	1.294	1.191	1.088	0.983	0.877	0.771	0.663	0.555	0.446	0.336	0.225				
-45.00 A	851051	860138	869315	878593	887944	897398	906947	916593	926337	936179	946122	956167	966316	976570	986929	997397				
-45.00 B	1.809	1.711	1.612	1.512	1.411	1.310	1.207	1.103	0.999	0.894	0.788	0.680	0.572	0.463	0.354	0.243				
-44.75 A	849160	858242	867413	876676	886032	895481	905025	914666	924405	934244	944182	954223	964368	974618	984974	995439				
-44.75 B	1.823	1.725	1.627	1.527	1.427	1.325	1.223	1.119	1.015	0.910	0.804	0.697	0.590	0.481	0.371	0.261				
-44.50 A	847271	856347	865513	874771	884121	893565	903105	912741	922476	932310	942244	952281	962422	972668	983021	993482				
-44.50 B	1.837	1.740	1.641	1.542	1.442	1.340	1.238	1.135	1.031	0.927	0.821	0.714	0.607	0.498	0.389	0.279				
-44.25 A	845384	854454	863615	872867	882213	891652	901187	910818	920548	930377	940308	950341	960477	970720	981069	991526				
-44.25 B	1.852	1.754	1.656	1.557	1.457	1.356	1.254	1.151	1.048	0.943	0.837	0.731	0.624	0.516	0.406	0.296				
-44.00 A	843499	852564	861719	870966	880306	889740	899270	908897	918622	928447	938373	948402	958534	968773	979118	989573				
-44.00 B	1.866	1.769	1.671	1.572	1.472	1.371	1.270	1.167	1.064	0.959	0.854	0.748	0.641	0.533	0.424	0.314				
-43.75 A	841615	850674	859824	869066	878401	887830	897355	906977	916698	926518	936440	946464	956593	966828	977170	987621				
-43.75 B	1.880	1.783	1.685	1.587	1.487	1.387	1.285	1.183	1.080	0.976	0.871	0.765	0.658	0.550	0.442	0.332				
-43.50 A	839733	848787	857931	867168	876497	885922	895442	905059	914775	924591	934508	944529	954654	964885	975223	985670				
-43.50 B	1.894	1.797	1.700	1.601	1.502	1.402	1.301	1.199	1.096	0.992	0.887	0.782	0.675	0.568	0.459	0.350				
-43.25 A	837853	846901	856040	865271	874596	884015	893530	903143	912854	922666	932579	942595	952716	962943	973278	983722				
-43.25 B	1.908	1.812	1.714	1.616	1.517	1.417	1.316	1.214	1.112	1.008	0.904	0.798	0.692	0.585	0.477	0.368				
-43.00 A	835975	845017	854151	863377	872696	882110	891620	901228	910935	920742	930651	940663	950780	961003	971334	981775				
-43.00 B	1.922	1.826	1.729	1.631	1.532	1.432	1.332	1.230	1.128	1.024	0.920	0.815	0.709	0.602	0.494	0.386				
-42.75 A	834098	843135	852263	861484	870798	880207	889712	899315	909017	918820	928724	938733	948846	959065	969392	979830				
-42.75 B	1.936	1.840	1.743	1.646	1.547	1.448	1.347	1.246	1.144	1.041	0.937	0.832	0.726	0.619	0.512	0.403				
-42.50 A	832224	841255	850378	859593	868902	878305	887806	897404	907102	916900	926800	936804	946913	957128	967452	977886				
-42.50 B	1.950	1.855	1.758	1.660	1.562	1.463	1.363	1.262	1.160	1.057	0.953	0.849	0.743	0.637	0.529	0.421				
-42.25 A	830351	839377	848494	857703	867007	876406	885901	895495	905187	914981	924877	934877	944982	955194	965514	975944				
-42.25 B	1.964	1.869	1.772	1.675	1.577	1.478	1.378	1.277	1.176	1.073	0.970	0.865	0.760	0.654	0.547	0.439				

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)		
	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636		
-42.00 A	828480	837500	846611	855816	865114	874508	883998	893587	903275	913064	922956	932951	943052	953260	963577	974004		
B	1.978	1.883	1.787	1.690	1.592	1.493	1.394	1.293	1.192	1.089	0.986	0.882	0.777	0.671	0.564	0.456		
-41.75 A	826610	835625	844731	853930	863223	872612	882097	891681	901365	911149	921036	931028	941125	951329	961642	972065		
B	1.992	1.897	1.801	1.705	1.607	1.508	1.409	1.309	1.207	1.105	1.002	0.898	0.794	0.688	0.581	0.474		
-41.50 A	824743	833752	842852	852046	861334	870717	880198	889777	899456	909236	919119	929106	939199	949399	959708	970128		
B	2.006	1.911	1.816	1.719	1.622	1.524	1.424	1.324	1.223	1.121	1.019	0.915	0.811	0.705	0.599	0.492		
-41.25 A	822877	831880	840975	850164	859446	868825	878300	887874	897549	907324	917203	927186	937275	947471	957777	968193		
B	2.020	1.925	1.830	1.734	1.637	1.539	1.440	1.340	1.239	1.138	1.035	0.932	0.827	0.722	0.616	0.509		
-41.00 A	821013	830011	839100	848283	857560	866934	876404	885974	895643	905414	915288	925267	935352	945545	955847	966260		
B	2.034	1.939	1.844	1.748	1.651	1.554	1.455	1.355	1.255	1.154	1.051	0.948	0.844	0.739	0.633	0.527		
-40.75 A	819151	828143	837227	846404	855676	865045	874510	884075	893740	903506	913376	923350	933431	943620	953918	964328		
B	2.047	1.954	1.859	1.763	1.666	1.569	1.470	1.371	1.271	1.170	1.068	0.965	0.861	0.756	0.651	0.544		
-40.50 A	817290	826277	835355	844527	853794	863157	872618	882178	891838	901600	911465	921435	931512	941697	951992	962398		
B	2.061	1.968	1.873	1.777	1.681	1.584	1.486	1.386	1.286	1.186	1.084	0.981	0.878	0.773	0.668	0.562		
-40.25 A	815432	824413	833486	842652	851914	861272	870727	880282	889937	899695	909556	919522	929595	939776	950067	960469		
B	2.075	1.982	1.887	1.792	1.696	1.599	1.501	1.402	1.302	1.202	1.100	0.998	0.894	0.790	0.685	0.579		
-40.00 A	813575	822550	831618	840779	850035	859388	868838	878388	888039	897792	907648	917610	927679	937856	948143	958542		
B	2.089	1.996	1.901	1.806	1.711	1.614	1.516	1.417	1.318	1.218	1.116	1.014	0.911	0.807	0.702	0.597		
-39.75 A	811720	820689	829751	838907	848158	857506	866951	876496	886142	895890	905743	915700	925765	935938	946222	956617		
B	2.103	2.010	1.916	1.821	1.725	1.629	1.531	1.433	1.334	1.234	1.133	1.031	0.928	0.824	0.720	0.614		
-39.50 A	809867	818831	827887	837037	846283	855625	865066	874606	884247	893991	903839	913792	923853	934022	944302	954694		
B	2.116	2.024	1.930	1.835	1.740	1.644	1.546	1.448	1.349	1.249	1.149	1.047	0.944	0.841	0.737	0.632		
-39.25 A	808016	816974	826024	835169	844409	853747	863182	872717	882354	892093	901936	911886	921942	932108	942384	952772		
B	2.130	2.037	1.944	1.850	1.755	1.658	1.562	1.464	1.365	1.265	1.165	1.063	0.961	0.858	0.754	0.649		
-39.00 A	806166	815118	824163	833303	842538	851870	861300	870831	880462	890197	900036	909981	920033	930195	940467	950852		
B	2.144	2.051	1.958	1.864	1.769	1.673	1.577	1.479	1.381	1.281	1.181	1.080	0.978	0.875	0.771	0.666		
-38.75 A	804318	813265	822304	831438	840668	849995	859420	868946	878573	888303	898137	908078	918126	928284	938552	948934		
B	2.157	2.065	1.972	1.878	1.784	1.688	1.592	1.494	1.396	1.297	1.197	1.096	0.994	0.892	0.788	0.684		
-38.50 A	802472	811413	820447	829575	838800	848121	857542	867062	876685	886410	896240	906176	916221	926374	936639	947017		
B	2.171	2.079	1.986	1.893	1.798	1.703	1.607	1.510	1.412	1.313	1.213	1.112	1.011	0.908	0.805	0.701		
-38.25 A	800628	809563	818592	827714	836933	846250	855665	865181	874798	884519	894345	904277	914317	924467	934728	945102		
B	2.184	2.093	2.000	1.907	1.813	1.718	1.622	1.525	1.427	1.329	1.229	1.129	1.027	0.925	0.822	0.718		

TEMP DEG C	COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+Dp*B)	
	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636	
-38.00 A	798786	807715	816738	825855	835069	844380	853790	863301	872914	882630	892451	902379	912415	922561	932818	943189	
-38.00 B	2.198	2.107	2.014	1.921	1.827	1.733	1.637	1.540	1.443	1.344	1.245	1.145	1.044	0.942	0.839	0.736	
-37.75 A	796945	805869	814886	823998	833206	842512	851917	861423	871031	880742	890559	900483	910515	920656	930910	941277	
-37.75 B	2.212	2.120	2.029	1.936	1.842	1.747	1.652	1.555	1.458	1.360	1.261	1.161	1.060	0.959	0.856	0.753	
-37.50 A	795107	804024	813036	822142	831345	840646	850046	859547	869150	878857	888669	898588	908616	918754	929004	939367	
-37.50 B	2.225	2.134	2.043	1.950	1.856	1.762	1.667	1.571	1.474	1.376	1.277	1.177	1.077	0.975	0.873	0.770	
-37.25 A	793270	802182	811187	820288	829486	838781	848176	857672	867270	876973	886781	896695	906719	916853	927099	937459	
-37.25 B	2.239	2.148	2.056	1.964	1.871	1.777	1.682	1.586	1.489	1.392	1.293	1.194	1.093	0.992	0.890	0.787	
-37.00 A	791435	800341	809341	818436	827628	836919	846309	855799	865393	875091	884894	894804	904824	914954	925196	935553	
-37.00 B	2.252	2.162	2.070	1.978	1.885	1.791	1.697	1.601	1.505	1.407	1.309	1.210	1.110	1.009	0.907	0.804	
-36.75 A	789601	798502	807496	816586	825773	835058	844442	853928	863517	873210	883009	892915	902930	913057	923295	933648	
-36.75 B	2.265	2.175	2.084	1.992	1.900	1.806	1.712	1.616	1.520	1.423	1.325	1.226	1.126	1.025	0.924	0.822	
-36.50 A	787770	796665	805653	814738	823919	833199	842578	852059	861643	871331	881126	891028	901039	911161	921396	931745	
-36.50 B	2.279	2.189	2.098	2.007	1.914	1.821	1.726	1.631	1.535	1.438	1.341	1.242	1.142	1.042	0.941	0.839	
-36.25 A	785940	794829	803812	812891	822067	831341	840716	850192	859771	869454	879244	889142	899149	909267	919498	929843	
-36.25 B	2.292	2.203	2.112	2.021	1.928	1.835	1.741	1.646	1.551	1.454	1.357	1.258	1.159	1.059	0.958	0.856	
-36.00 A	784112	792995	801973	811046	820217	829486	838855	848326	857900	867579	877364	887258	897260	907375	917602	927944	
-36.00 B	2.306	2.216	2.126	2.035	1.943	1.850	1.756	1.662	1.566	1.470	1.372	1.274	1.175	1.075	0.974	0.873	
-35.75 A	782287	791164	800135	809203	818368	827632	836996	846462	856031	865706	875486	885375	895374	905484	915707	926046	
-35.75 B	2.319	2.230	2.140	2.049	1.957	1.864	1.771	1.677	1.581	1.485	1.388	1.290	1.191	1.092	0.991	0.890	
-35.50 A	780462	789334	798300	807362	816521	825780	835139	844600	854164	863834	873610	883495	893489	903595	913815	924149	
-35.50 B	2.332	2.243	2.154	2.063	1.971	1.879	1.786	1.692	1.597	1.501	1.404	1.306	1.208	1.108	1.008	0.907	
-35.25 A	778640	787505	796466	805522	814676	823930	833283	842739	852299	861964	871735	881616	891606	901708	911924	922255	
-35.25 B	2.346	2.257	2.167	2.077	1.986	1.894	1.800	1.707	1.612	1.516	1.420	1.322	1.224	1.125	1.025	0.924	
-35.00 A	776819	785679	794634	803684	812833	822081	831430	840881	850435	860095	869863	879738	889725	899823	910035	920362	
-35.00 B	2.359	2.270	2.181	2.091	2.000	1.908	1.815	1.722	1.627	1.532	1.435	1.338	1.240	1.141	1.041	0.941	
-34.75 A	775001	783855	792803	801849	810992	820234	829578	839024	848574	858229	867992	877863	887845	897939	908147	918471	
-34.75 B	2.372	2.284	2.195	2.105	2.014	1.922	1.830	1.737	1.642	1.547	1.451	1.354	1.256	1.158	1.058	0.958	
-34.50 A	773184	782032	790975	800014	809152	818389	827728	837169	846714	856364	866122	875989	885967	896057	906261	916581	
-34.50 B	2.385	2.297	2.209	2.119	2.028	1.937	1.845	1.751	1.657	1.562	1.467	1.370	1.273	1.174	1.075	0.975	
-34.25 A	771369	780211	789148	798182	807314	816546	825879	835315	844855	854501	864255	874117	884091	894177	904377	914693	
-34.25 B	2.398	2.311	2.222	2.133	2.042	1.951	1.859	1.766	1.673	1.578	1.482	1.386	1.289	1.191	1.092	0.992	

COMPRESSION FACTOR PER KILOPASCAL F=1/(A+DP*B)
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636
-34.00 A	769556	778392	787323	796352	805478	814705	824033	833464	842999	852640	862389	872247	882216	892298	902495	912807
-34.00 B	2.412	2.324	2.236	2.147	2.057	1.966	1.874	1.781	1.688	1.593	1.498	1.402	1.305	1.207	1.108	1.008
-33.75 A	767744	776574	785500	794523	803644	812865	822188	831614	841144	850780	860525	870379	880344	890421	900614	910923
-33.75 B	2.425	2.338	2.250	2.161	2.071	1.980	1.888	1.796	1.703	1.609	1.514	1.418	1.321	1.223	1.125	1.025
-33.50 A	765935	774759	783679	792696	801812	811028	820345	829766	839291	848923	858662	868512	878473	888546	898735	909040
-33.50 B	2.438	2.351	2.263	2.174	2.085	1.994	1.903	1.811	1.718	1.624	1.529	1.433	1.337	1.240	1.141	1.042
-33.25 A	764127	772945	781860	790871	799981	809192	818504	827919	837440	847067	856802	866647	876603	886673	896858	907160
-33.25 B	2.451	2.364	2.277	2.188	2.099	2.009	1.918	1.826	1.733	1.639	1.545	1.449	1.353	1.256	1.158	1.059
-33.00 A	762321	771134	780042	788948	797852	806757	815664	824575	833490	842412	851343	860284	869236	878197	887166	896143
-33.00 B	2.464	2.378	2.290	2.202	2.113	2.023	1.932	1.840	1.748	1.655	1.560	1.465	1.369	1.272	1.174	1.076
-32.75 A	760517	769324	778126	786926	795725	804525	813325	822126	830926	839726	848526	857326	866126	874926	883726	892526
-32.75 B	2.477	2.391	2.304	2.216	2.127	2.037	1.947	1.855	1.763	1.670	1.576	1.481	1.385	1.288	1.191	1.093
-32.50 A	758715	767515	776312	785107	793900	802692	811482	820271	829059	837846	846632	855417	864201	872984	881766	890547
-32.50 B	2.490	2.404	2.317	2.230	2.141	2.051	1.961	1.870	1.778	1.685	1.591	1.497	1.401	1.305	1.207	1.109
-32.25 A	756914	765709	774500	783289	792077	800864	809650	818435	827219	836002	844784	853565	862345	871124	879901	888676
-32.25 B	2.503	2.417	2.331	2.243	2.155	2.066	1.976	1.885	1.793	1.700	1.607	1.512	1.417	1.321	1.224	1.126
-32.00 A	755116	763905	772690	781473	790255	799036	807816	816594	825371	834147	842922	851695	860467	869238	878008	886776
-32.00 B	2.516	2.431	2.344	2.257	2.169	2.080	1.990	1.899	1.808	1.715	1.622	1.528	1.433	1.337	1.240	1.143
-31.75 A	753319	762102	770881	779659	788435	797209	805982	814754	823525	832294	841061	849826	858590	867352	876113	884872
-31.75 B	2.529	2.444	2.358	2.271	2.183	2.094	2.004	1.914	1.823	1.731	1.637	1.544	1.449	1.353	1.257	1.159
-31.50 A	751524	760301	769075	777846	786614	795380	804144	812906	821666	830424	839179	847932	856683	865432	874179	882924
-31.50 B	2.542	2.457	2.371	2.284	2.197	2.108	2.019	1.929	1.838	1.746	1.653	1.559	1.465	1.369	1.273	1.176
-31.25 A	749731	758502	767270	776036	784799	793559	802317	811072	819825	828576	837325	846072	854817	863560	872301	881041
-31.25 B	2.555	2.470	2.384	2.298	2.211	2.122	2.033	1.943	1.852	1.761	1.668	1.575	1.481	1.385	1.289	1.193
-31.00 A	747940	756705	765467	774227	782984	791738	800490	809240	817988	826734	835478	844220	852961	861700	870437	879172
-31.00 B	2.568	2.483	2.398	2.312	2.224	2.136	2.048	1.958	1.867	1.776	1.684	1.590	1.496	1.401	1.306	1.209
-30.75 A	746151	754910	763665	772417	781166	789912	798656	807398	816138	824876	833612	842347	851080	859811	868541	877269
-30.75 B	2.581	2.496	2.411	2.325	2.238	2.150	2.062	1.972	1.882	1.791	1.699	1.606	1.512	1.418	1.322	1.226
-30.50 A	744363	753116	761866	770613	779357	788100	796841	805581	814320	823057	831792	840526	849258	857989	866719	875447
-30.50 B	2.593	2.509	2.424	2.339	2.252	2.165	2.076	1.987	1.897	1.806	1.714	1.621	1.528	1.434	1.338	1.242
-30.25 A	742578	751325	760069	768811	777551	786289	795026	803762	812497	821231	829964	838696	847427	856157	864886	873613
-30.25 B	2.606	2.522	2.438	2.352	2.266	2.179	2.090	2.001	1.912	1.821	1.729	1.637	1.544	1.450	1.355	1.259

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)		
		606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636		
-30.00	A	740794	749535	758373	767310	776348	785487	794731	804079	813535	823099	832774	842561	852461	862477	872611	882864		
	B	2.619	2.535	2.451	2.366	2.280	2.193	2.105	2.016	1.926	1.836	1.745	1.652	1.559	1.466	1.371	1.275		
-29.75	A	739012	747747	756579	765510	774542	783677	792915	802258	811709	821268	830938	840720	850616	860628	870758	881008		
	B	2.632	2.548	2.464	2.379	2.293	2.206	2.119	2.030	1.941	1.851	1.760	1.668	1.575	1.481	1.387	1.292		
-29.50	A	737232	745961	754787	763713	772739	781868	791100	800438	809884	819439	829104	838881	848773	858781	868907	879153		
	B	2.645	2.561	2.477	2.393	2.307	2.220	2.133	2.045	1.956	1.866	1.775	1.683	1.591	1.497	1.403	1.308		
-29.25	A	735454	744176	752997	761916	770937	780060	789288	798621	808061	817611	827271	837044	846932	856936	867057	877299		
	B	2.657	2.574	2.491	2.406	2.321	2.234	2.147	2.059	1.970	1.881	1.790	1.699	1.606	1.513	1.419	1.325		
-29.00	A	733677	742394	751208	760122	769137	778255	787477	796805	806240	815785	825441	835209	845092	855092	865210	875448		
	B	2.670	2.587	2.504	2.419	2.334	2.248	2.161	2.074	1.985	1.896	1.805	1.714	1.622	1.529	1.435	1.341		
-28.75	A	731903	740613	749422	758330	767339	776451	785668	794991	804421	813961	823612	833376	843254	853250	863364	873598		
	B	2.683	2.600	2.517	2.433	2.348	2.262	2.175	2.088	2.000	1.910	1.820	1.729	1.638	1.545	1.452	1.357		
-28.50	A	730130	738835	747637	756539	765543	774650	783861	793178	802603	812138	821785	831544	841418	851409	861519	871750		
	B	2.695	2.613	2.530	2.446	2.362	2.276	2.190	2.102	2.014	1.925	1.835	1.745	1.653	1.561	1.468	1.374		
-28.25	A	728359	737058	745854	754751	763749	772850	782055	791368	800788	810318	819959	829714	839584	849571	859677	869903		
	B	2.708	2.626	2.543	2.460	2.375	2.290	2.204	2.117	2.029	1.940	1.851	1.760	1.669	1.577	1.484	1.390		
-28.00	A	726591	735283	744073	752964	761956	771052	780252	789559	798974	808499	818136	827886	837751	847734	857836	868059		
	B	2.720	2.639	2.556	2.473	2.389	2.304	2.218	2.131	2.043	1.955	1.866	1.775	1.684	1.592	1.500	1.406		
-27.75	A	724823	733509	742294	751179	760165	769255	778450	787752	797162	806682	816314	826059	835920	845899	855997	866216		
	B	2.733	2.652	2.569	2.486	2.402	2.317	2.232	2.145	2.058	1.970	1.881	1.791	1.700	1.608	1.516	1.422		
-27.50	A	723058	731738	740517	749396	758376	767461	776650	785947	795351	804867	814494	824235	834091	844066	854159	864374		
	B	2.745	2.664	2.582	2.499	2.416	2.331	2.246	2.159	2.072	1.984	1.896	1.806	1.715	1.624	1.532	1.439		
-27.25	A	721295	729969	738741	747614	756589	765668	774852	784143	793543	803053	812675	822412	832264	842234	852324	862535		
	B	2.758	2.677	2.595	2.513	2.429	2.345	2.260	2.174	2.087	1.999	1.911	1.821	1.731	1.640	1.548	1.455		
-27.00	A	719533	728201	736968	745835	754804	763877	773056	782342	791736	801241	810859	820591	830439	840404	850490	860697		
	B	2.770	2.690	2.608	2.526	2.443	2.359	2.274	2.188	2.101	2.014	1.925	1.836	1.746	1.655	1.564	1.471		
-26.75	A	717774	726435	735196	744057	753021	762088	771261	780542	789931	799431	809044	818771	828615	838576	848658	858861		
	B	2.783	2.702	2.621	2.539	2.456	2.372	2.288	2.202	2.116	2.028	1.940	1.851	1.762	1.671	1.580	1.487		
-26.50	A	716016	724671	733426	742281	751239	760301	769469	778744	788128	797623	807231	816954	826793	836750	846827	857027		
	B	2.795	2.715	2.634	2.552	2.469	2.386	2.301	2.216	2.130	2.043	1.955	1.867	1.777	1.687	1.595	1.503		
-26.25	A	714260	722909	731658	740507	749459	758516	767678	776948	786327	795817	805420	815138	824973	834925	844999	855195		
	B	2.808	2.728	2.647	2.565	2.483	2.400	2.315	2.230	2.144	2.058	1.970	1.882	1.792	1.702	1.611	1.520		

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C											F=1/(A+DP*B) CUBIC METRE					
	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636	
-26.00	A	712506	721149	729892	738735	747681	756732	765889	775153	784527	794012	803611	813324	823154	833103	843172	853364
	B	2.820	2.740	2.660	2.578	2.496	2.413	2.329	2.244	2.159	2.072	1.985	1.897	1.808	1.718	1.627	1.536
-25.75	A	710754	719391	728127	736965	745905	754950	764102	773361	782729	792210	801803	811512	821337	831282	841347	851535
	B	2.833	2.753	2.673	2.592	2.510	2.427	2.343	2.258	2.173	2.087	2.000	1.912	1.823	1.733	1.643	1.552
-25.50	A	709004	717634	726365	735196	744131	753170	762316	771570	780934	790409	799997	809701	819522	829462	839524	849708
	B	2.845	2.766	2.686	2.605	2.523	2.440	2.357	2.272	2.187	2.101	2.015	1.927	1.838	1.749	1.659	1.568
-25.25	A	707255	715880	724604	733430	742359	751392	760533	769781	779139	788610	798193	807893	817709	827645	837702	847882
	B	2.857	2.778	2.698	2.618	2.536	2.454	2.371	2.287	2.202	2.116	2.029	1.942	1.854	1.765	1.675	1.584
-25.00	A	705509	714127	722845	731665	740588	749616	758751	767994	777347	786812	796391	806086	815898	825829	835882	846058
	B	2.869	2.791	2.711	2.631	2.549	2.467	2.384	2.301	2.216	2.130	2.044	1.957	1.869	1.780	1.690	1.600
-24.75	A	703764	712376	721088	729902	738819	747842	756971	766209	775557	785017	794591	804281	814088	824015	834064	844236
	B	2.882	2.803	2.724	2.644	2.563	2.481	2.398	2.314	2.230	2.145	2.059	1.972	1.884	1.795	1.706	1.616
-24.50	A	702021	710627	719333	728141	737052	746069	755193	764425	773768	783223	792792	802477	812280	822203	832248	842416
	B	2.894	2.816	2.737	2.657	2.576	2.494	2.412	2.328	2.244	2.159	2.073	1.987	1.899	1.811	1.722	1.632
-24.25	A	700281	708880	717580	726382	735287	744298	753416	762643	771981	781431	790995	800676	810474	820393	830433	840598
	B	2.906	2.828	2.749	2.670	2.589	2.508	2.425	2.342	2.258	2.174	2.088	2.002	1.914	1.826	1.737	1.648
-24.00	A	698542	707135	715828	724624	733524	742529	751642	760863	770196	779641	789200	798876	808670	818584	828620	838781
	B	2.918	2.841	2.762	2.682	2.602	2.521	2.439	2.356	2.273	2.188	2.103	2.017	1.930	1.842	1.753	1.664
-23.75	A	696804	705391	714079	722869	731763	740762	749869	759085	768412	777852	787407	797078	806867	816777	826809	836966
	B	2.931	2.853	2.775	2.695	2.615	2.534	2.453	2.370	2.287	2.202	2.117	2.031	1.945	1.857	1.769	1.679
-23.50	A	695069	703650	712331	721115	730003	738997	748098	757309	766631	776066	785615	795282	805066	814972	825000	835153
	B	2.943	2.865	2.787	2.708	2.628	2.548	2.466	2.384	2.301	2.217	2.132	2.046	1.960	1.872	1.784	1.695
-23.25	A	693336	701910	710585	719363	728246	737234	746329	755535	764851	774281	783826	793487	803268	813169	823193	833341
	B	2.955	2.878	2.800	2.721	2.642	2.561	2.480	2.398	2.315	2.231	2.147	2.061	1.975	1.888	1.800	1.711
-23.00	A	691604	700172	708842	717613	726490	735472	744562	753762	763073	772498	782038	791695	801470	811367	821387	831532
	B	2.967	2.890	2.812	2.734	2.655	2.574	2.493	2.412	2.329	2.245	2.161	2.076	1.990	1.903	1.815	1.727
-22.75	A	689875	698437	707099	715865	724736	733712	742797	751991	761297	770717	780252	789904	799675	809567	819583	829724
	B	2.979	2.902	2.825	2.747	2.668	2.588	2.507	2.425	2.343	2.260	2.176	2.091	2.005	1.918	1.831	1.743
-22.50	A	688147	696703	705359	714119	722984	731954	741033	750222	759523	768937	778467	788115	797881	807769	817781	827917
	B	2.991	2.915	2.837	2.759	2.681	2.601	2.520	2.439	2.357	2.274	2.190	2.105	2.020	1.934	1.846	1.758
-22.25	A	686421	694970	703621	712375	721233	730198	739272	748455	757751	767160	776685	786327	796089	805973	815980	826113
	B	3.003	2.927	2.850	2.772	2.694	2.614	2.534	2.453	2.371	2.288	2.205	2.120	2.035	1.949	1.862	1.774

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636	
-22.00 A	684697	693240	701885	710632	719485	728444	737512	746690	755980	765384	774904	784542	794299	804178	814181	824310	
-22.00 B	3.015	2.939	2.862	2.785	2.707	2.627	2.547	2.467	2.385	2.302	2.219	2.135	2.050	1.964	1.877	1.790	
-21.75 A	682975	691512	700150	708892	717738	726692	735754	744926	754211	763610	773125	782758	792511	802386	812385	822509	
-21.75 B	3.027	2.951	2.875	2.798	2.720	2.641	2.561	2.480	2.399	2.317	2.233	2.150	2.065	1.979	1.893	1.806	
-21.50 A	681255	689785	698417	707153	715993	724941	733998	743165	752444	761838	771348	780976	790724	800595	810589	820710	
-21.50 B	3.039	2.964	2.887	2.810	2.732	2.654	2.574	2.494	2.413	2.331	2.248	2.164	2.080	1.994	1.908	1.821	
-21.25 A	679537	688061	696686	705416	714251	723193	732243	741405	750679	760068	769573	779196	788940	798806	808796	818913	
-21.25 B	3.051	2.976	2.900	2.823	2.745	2.667	2.588	2.508	2.427	2.345	2.262	2.179	2.095	2.009	1.924	1.837	
-21.00 A	677821	686338	694957	703681	712510	721446	730491	739647	748916	758299	767799	777418	787157	797018	807004	817117	
-21.00 B	3.063	2.988	2.912	2.836	2.758	2.680	2.601	2.521	2.440	2.359	2.277	2.193	2.109	2.025	1.939	1.852	
-20.75 A	676106	684617	693230	701948	710770	719701	728740	737891	747154	756533	766028	775641	785376	795233	805215	815323	
-20.75 B	3.075	3.000	2.925	2.848	2.771	2.693	2.614	2.535	2.454	2.373	2.291	2.208	2.124	2.040	1.954	1.868	
-20.50 A	674394	682898	691505	700216	709033	717958	726991	736136	745395	754768	764258	773867	783596	793449	803427	813531	
-20.50 B	3.086	3.012	2.937	2.861	2.784	2.706	2.628	2.548	2.468	2.387	2.305	2.223	2.139	2.055	1.970	1.884	
-20.25 A	672683	681181	689782	698487	707298	716216	725244	734384	743637	753005	762490	772094	781819	791667	801640	811741	
-20.25 B	3.098	3.024	2.949	2.873	2.797	2.719	2.641	2.562	2.482	2.401	2.319	2.237	2.154	2.070	1.985	1.899	
-20.00 A	670974	679466	688060	696759	705564	714477	723499	732633	741881	751243	760723	770323	780043	789887	799856	809952	
-20.00 B	3.110	3.036	2.961	2.886	2.809	2.732	2.654	2.575	2.496	2.415	2.334	2.252	2.169	2.085	2.000	1.915	
-19.75 A	669267	677753	686341	695033	703832	712739	721756	730884	740126	749484	758959	768553	778269	788108	798073	808166	
-19.75 B	3.122	3.048	2.974	2.898	2.822	2.745	2.667	2.589	2.509	2.429	2.348	2.266	2.183	2.100	2.015	1.930	
-19.50 A	667562	676041	684623	693310	702103	711004	720015	729137	738374	747726	757196	766786	776497	786332	796292	806381	
-19.50 B	3.134	3.060	2.986	2.911	2.835	2.758	2.681	2.602	2.523	2.443	2.362	2.280	2.198	2.115	2.031	1.946	
-19.25 A	665859	674332	682907	691588	700375	709270	718275	727392	736624	745971	755435	765020	774726	784557	794513	804597	
-19.25 B	3.145	3.072	2.998	2.923	2.848	2.771	2.694	2.616	2.537	2.457	2.376	2.295	2.213	2.130	2.046	1.961	
-19.00 A	664158	672624	681193	689868	698648	707538	716537	725649	734875	744217	753676	763256	772958	782784	792736	802816	
-19.00 B	3.157	3.084	3.010	2.936	2.860	2.784	2.707	2.629	2.550	2.471	2.391	2.309	2.227	2.144	2.061	1.976	
-18.75 A	662459	670919	679481	688149	696924	705808	714801	723908	733128	742464	751919	761494	771191	781012	790960	801036	
-18.75 B	3.169	3.096	3.022	2.948	2.873	2.797	2.720	2.642	2.564	2.485	2.405	2.324	2.242	2.159	2.076	1.992	
-18.50 A	660762	669215	677771	686433	695202	704079	713067	722168	731383	740714	750164	759734	769426	779243	789186	799258	
-18.50 B	3.180	3.108	3.035	2.961	2.886	2.810	2.733	2.656	2.578	2.499	2.419	2.338	2.257	2.174	2.091	2.007	
-18.25 A	659066	667513	676063	684719	693481	702353	711335	720430	729640	738966	748410	757975	767663	777475	787414	797482	
-18.25 B	3.192	3.120	3.047	2.973	2.898	2.823	2.746	2.669	2.591	2.512	2.433	2.352	2.271	2.189	2.106	2.022	

TEMP DEG C	COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C															F=1/(A+DP*B) CUBIC METRE	
	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636	
-18.00 A	657373	665813	674357	683006	691763	700628	709605	718694	727898	737219	746658	756219	765901	775709	785644	795708	
-18.00 B	3.204	3.132	3.059	2.985	2.911	2.835	2.759	2.683	2.605	2.526	2.447	2.367	2.286	2.204	2.121	2.038	
-17.75 A	655681	664115	672652	681295	690046	698906	707876	716960	726159	735474	744908	754464	764142	773945	783875	793935	
-17.75 B	3.215	3.143	3.071	2.998	2.923	2.848	2.772	2.696	2.618	2.540	2.461	2.381	2.300	2.219	2.136	2.053	
-17.50 A	653991	662419	670950	679587	688331	697185	706150	715228	724421	733731	743160	752711	762384	772183	782109	792164	
-17.50 B	3.227	3.155	3.083	3.010	2.936	2.861	2.785	2.709	2.632	2.554	2.475	2.395	2.315	2.233	2.151	2.068	
-17.25 A	652304	660724	669249	677880	686618	695466	704425	713497	722685	731990	741414	750959	760628	770422	780344	790395	
-17.25 B	3.238	3.167	3.095	3.022	2.948	2.874	2.798	2.722	2.645	2.568	2.489	2.409	2.329	2.248	2.166	2.084	
-17.00 A	650618	659032	667550	676175	684907	693749	702702	711769	720951	730251	739670	749210	758874	768663	778581	788628	
-17.00 B	3.250	3.179	3.107	3.034	2.961	2.887	2.811	2.736	2.659	2.581	2.503	2.424	2.344	2.263	2.181	2.099	
-16.75 A	648934	657341	665853	674471	683198	692033	700981	710042	719219	728513	737927	747462	757121	766906	776819	786863	
-16.75 B	3.261	3.191	3.119	3.047	2.973	2.899	2.824	2.749	2.672	2.595	2.517	2.438	2.358	2.278	2.196	2.114	
-16.50 A	647252	655653	664158	672770	681490	690320	699262	708317	717488	726777	736186	745717	755371	765151	775060	785099	
-16.50 B	3.273	3.202	3.131	3.059	2.986	2.912	2.837	2.762	2.686	2.609	2.531	2.452	2.373	2.292	2.211	2.129	
-16.25 A	645572	653966	662465	671071	679785	688609	697544	706594	715760	725044	734447	743973	753622	763398	773302	783337	
-16.25 B	3.284	3.214	3.143	3.071	2.998	2.925	2.850	2.775	2.699	2.622	2.545	2.466	2.387	2.307	2.226	2.144	
-16.00 A	643893	652281	660774	669373	678081	686899	695829	704873	714033	723312	732710	742230	751875	761646	771546	781577	
-16.00 B	3.296	3.226	3.155	3.083	3.010	2.937	2.863	2.788	2.712	2.636	2.558	2.480	2.401	2.321	2.241	2.159	
-15.75 A	642217	650599	659085	667678	676379	685191	694115	703154	712308	721581	730975	740490	750130	759897	769792	779819	
-15.75 B	3.307	3.237	3.167	3.095	3.023	2.950	2.876	2.801	2.726	2.649	2.572	2.494	2.416	2.336	2.256	2.174	
-15.50 A	640543	648918	657397	665984	674679	683485	692404	701436	710585	719853	729241	738752	748387	758149	768040	778062	
-15.50 B	3.318	3.249	3.178	3.107	3.035	2.962	2.889	2.814	2.739	2.663	2.586	2.508	2.430	2.351	2.270	2.190	
-15.25 A	638870	647239	655712	664292	672981	681781	690694	699721	708864	718126	727509	737015	746645	756403	766289	776307	
-15.25 B	3.330	3.260	3.190	3.119	3.047	2.975	2.902	2.827	2.752	2.677	2.600	2.522	2.444	2.365	2.285	2.205	
-15.00 A	637200	645562	654028	662602	671285	680079	688986	698007	707145	716402	725779	735280	744906	754658	764541	774555	
-15.00 B	3.341	3.272	3.202	3.131	3.060	2.987	2.914	2.840	2.766	2.690	2.614	2.536	2.458	2.380	2.300	2.220	
-14.75 A	635531	643886	652347	660914	669591	678379	687280	696295	705428	714679	724051	733547	743168	752916	762794	772803	
-14.75 B	3.352	3.283	3.214	3.143	3.072	3.000	2.927	2.853	2.779	2.704	2.627	2.550	2.473	2.394	2.315	2.235	
-14.50 A	633865	642213	650667	659228	667899	676681	685575	694585	703712	712958	722325	731816	741432	751175	761049	771054	
-14.50 B	3.364	3.295	3.226	3.155	3.084	3.012	2.940	2.866	2.792	2.717	2.641	2.564	2.487	2.409	2.329	2.250	
-14.25 A	632200	640542	648989	657544	666208	674984	683873	692877	701998	711239	720601	730086	739697	749436	759305	769306	
-14.25 B	3.375	3.306	3.237	3.167	3.096	3.025	2.952	2.879	2.805	2.730	2.655	2.578	2.501	2.423	2.344	2.265	

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE												F=1/(A+DP*B)											
		606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636	638	640	642	644	646	648	650	652
-14.00	A	630537	638872	647313	655862	664520	673289	682172	691171	700286	709522	718878	728359	737965	747699	757564	767561								
	B	3.386	3.318	3.249	3.179	3.109	3.037	2.965	2.892	2.818	2.744	2.668	2.592	2.515	2.437	2.359	2.279								
-13.75	A	628876	637205	645639	654181	662833	671597	680474	689466	698576	707806	717158	726633	736234	745964	755824	765817								
	B	3.397	3.329	3.261	3.191	3.121	3.050	2.978	2.905	2.832	2.757	2.682	2.606	2.529	2.452	2.374	2.294								
-13.50	A	627218	635539	643967	652503	661148	669906	678777	687764	696868	706093	715439	724909	734506	744230	754086	764075								
	B	3.408	3.341	3.272	3.203	3.133	3.062	2.990	2.918	2.845	2.771	2.696	2.620	2.544	2.466	2.388	2.309								
-13.25	A	625561	633876	642297	650826	659466	668217	677082	686063	695162	704381	713722	723187	732779	742499	752350	762334								
	B	3.419	3.352	3.284	3.215	3.145	3.074	3.003	2.931	2.858	2.784	2.709	2.634	2.558	2.481	2.403	2.324								
-13.00	A	623906	632214	640629	649152	657785	666530	675389	684364	693457	702671	712007	721467	731053	740769	750616	760596								
	B	3.431	3.363	3.295	3.227	3.157	3.087	3.016	2.944	2.871	2.797	2.723	2.648	2.572	2.495	2.417	2.339								
-12.75	A	622252	630554	638962	647479	656106	664845	673698	682667	691755	700963	710293	719748	729330	739041	748883	758859								
	B	3.442	3.375	3.307	3.239	3.169	3.099	3.028	2.956	2.884	2.811	2.736	2.661	2.586	2.509	2.432	2.354								
-12.50	A	620601	628896	637298	645808	654428	663161	672009	680972	690054	699257	708582	718032	727609	737315	747152	757124								
	B	3.453	3.386	3.319	3.250	3.181	3.111	3.041	2.969	2.897	2.824	2.750	2.675	2.600	2.523	2.446	2.368								
-12.25	A	618952	627240	635635	644139	652753	661480	670321	679279	688355	697552	706872	716317	725889	735590	745424	755391								
	B	3.464	3.397	3.330	3.262	3.193	3.124	3.053	2.982	2.910	2.837	2.763	2.689	2.614	2.538	2.461	2.383								
-12.00	A	617305	625586	633975	642472	651080	659800	668636	677588	686658	695850	705164	714604	724171	733868	743696	753659								
	B	3.475	3.409	3.342	3.274	3.205	3.136	3.066	2.995	2.923	2.850	2.777	2.703	2.628	2.552	2.475	2.398								
-11.75	A	615659	623934	632316	640807	649408	658123	666952	675898	684963	694149	703458	712893	722455	732147	741971	751930								
	B	3.486	3.420	3.353	3.286	3.217	3.148	3.078	3.007	2.936	2.863	2.790	2.716	2.642	2.566	2.490	2.413								
-11.50	A	614016	622284	630659	639144	647739	656447	665270	674210	683270	692450	701754	711184	720741	730428	740248	750202								
	B	3.497	3.431	3.365	3.297	3.229	3.160	3.091	3.020	2.949	2.877	2.804	2.730	2.656	2.580	2.504	2.427								
-11.25	A	612375	620636	629004	637482	646071	654773	663590	672525	681578	690753	700052	709476	719029	728711	738526	748476								
	B	3.508	3.442	3.376	3.309	3.241	3.172	3.103	3.033	2.962	2.890	2.817	2.744	2.669	2.594	2.519	2.442								
-11.00	A	610735	618990	627351	635823	644405	653101	661912	670841	679889	689058	698352	707771	717318	726996	736806	746752								
	B	3.519	3.453	3.387	3.321	3.253	3.185	3.115	3.045	2.975	2.903	2.831	2.757	2.683	2.609	2.533	2.457								
-10.75	A	609097	617345	625700	634165	642742	651431	660236	669159	678201	687365	696653	706067	715609	725282	735088	745030								
	B	3.530	3.465	3.399	3.332	3.265	3.197	3.128	3.058	2.987	2.916	2.844	2.771	2.697	2.623	2.547	2.471								
-10.50	A	607462	615703	624051	632510	641080	649763	658562	667479	676515	685674	694956	704365	713902	723571	733372	743309								
	B	3.540	3.476	3.410	3.344	3.277	3.209	3.140	3.071	3.000	2.929	2.857	2.785	2.711	2.637	2.562	2.486								
-10.25	A	605828	614062	622404	630856	639420	648097	656890	665801	674831	683984	693261	702665	712197	721861	731658	741590								
	B	3.551	3.487	3.421	3.355	3.288	3.221	3.152	3.083	3.013	2.942	2.871	2.798	2.725	2.651	2.576	2.500								

COMPRESSION FACTOR PER KILOPASCAL
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE
F=1/(A+DP*B)

TEMP DEG C	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636
-10.00 A	604196	612424	620759	629204	637761	646432	655219	664124	673149	682297	691568	700967	710494	720153	729945	739874
-10.00 B	3.562	3.498	3.433	3.367	3.300	3.233	3.165	3.096	3.026	2.955	2.884	2.812	2.739	2.665	2.590	2.515
-9.75 A	602567	610787	619116	627555	636105	644770	653551	662450	671469	680611	689877	699271	708793	718447	728235	738158
-9.75 B	3.573	3.509	3.444	3.378	3.312	3.245	3.177	3.108	3.039	2.968	2.897	2.825	2.752	2.679	2.604	2.529
-9.50 A	600939	609153	617474	625907	634451	643109	651884	660777	669791	678927	688188	697576	707093	716743	726526	736445
-9.50 B	3.584	3.520	3.455	3.390	3.324	3.257	3.189	3.121	3.051	2.981	2.910	2.839	2.766	2.693	2.619	2.544
-9.25 A	599313	607520	615835	624261	632799	641451	650219	659107	668114	677245	686501	695883	705396	715040	724819	734734
-9.25 B	3.594	3.531	3.467	3.401	3.336	3.269	3.201	3.133	3.064	2.994	2.923	2.852	2.780	2.707	2.633	2.558
-9.00 A	597689	605889	614198	622617	631148	639794	648557	657438	666440	675565	684815	694193	703700	713339	723113	733024
-9.00 B	3.605	3.542	3.478	3.413	3.347	3.281	3.214	3.145	3.077	3.007	2.937	2.865	2.793	2.721	2.647	2.573
-8.75 A	596067	604260	612562	620974	629500	638139	646896	655771	664767	673886	683131	692504	702006	711641	721410	731316
-8.75 B	3.616	3.553	3.489	3.424	3.359	3.293	3.226	3.158	3.089	3.020	2.950	2.879	2.807	2.735	2.661	2.587
-8.50 A	594447	602633	610928	619334	627853	636486	645237	654106	663096	672210	681449	690817	700314	709944	719708	729610
-8.50 B	3.626	3.564	3.500	3.436	3.371	3.305	3.238	3.170	3.102	3.033	2.963	2.892	2.821	2.748	2.675	2.602
-8.25 A	592829	601009	609297	617696	626208	634835	643579	652443	661427	670535	679769	689131	698624	708248	718008	727906
-8.25 B	3.637	3.575	3.511	3.447	3.382	3.316	3.250	3.183	3.115	3.046	2.976	2.906	2.834	2.762	2.689	2.616
-8.00 A	591213	599386	607667	616060	624565	633186	641924	650781	659760	668863	678091	687448	696935	706555	716311	726204
-8.00 B	3.648	3.585	3.522	3.458	3.394	3.328	3.262	3.195	3.127	3.059	2.989	2.919	2.848	2.776	2.704	2.630
-7.75 A	589599	597765	606039	614425	622925	631539	640271	649122	658095	667192	676415	685766	695248	704864	714614	724503
-7.75 B	3.658	3.596	3.533	3.470	3.405	3.340	3.274	3.207	3.140	3.071	3.002	2.932	2.861	2.790	2.718	2.645
-7.50 A	587987	596145	604414	612793	621286	629894	638619	647465	656432	665523	674741	684087	693564	703174	712920	722804
-7.50 B	3.669	3.607	3.544	3.481	3.417	3.352	3.286	3.220	3.152	3.084	3.015	2.945	2.875	2.804	2.732	2.659
-7.25 A	586377	594528	602790	611162	619649	628250	636970	645809	654770	663856	673068	682409	691881	701486	711228	721108
-7.25 B	3.680	3.618	3.556	3.492	3.428	3.364	3.298	3.232	3.165	3.097	3.028	2.959	2.888	2.817	2.746	2.673
-7.00 A	584768	592913	601168	609534	618013	626609	635322	644155	653111	662191	671397	680733	690200	699800	709537	719412
-7.00 B	3.690	3.629	3.567	3.504	3.440	3.375	3.310	3.244	3.177	3.110	3.041	2.972	2.902	2.831	2.760	2.687
-6.75 A	583162	591300	599548	607907	616380	624969	633676	642504	651453	660527	669728	679059	688520	698116	707848	717719
-6.75 B	3.701	3.639	3.578	3.515	3.451	3.387	3.322	3.256	3.190	3.122	3.054	2.985	2.915	2.845	2.774	2.702
-6.50 A	581558	589689	597930	606282	614749	623332	632033	640854	649797	658866	668062	677386	686843	696434	706161	716028
-6.50 B	3.711	3.650	3.588	3.526	3.463	3.399	3.334	3.268	3.202	3.135	3.067	2.998	2.929	2.859	2.788	2.716
-6.25 A	579956	588080	596314	604660	613120	621696	630391	639206	648144	657206	666396	675716	685168	694754	704476	714338
-6.25 B	3.721	3.661	3.599	3.537	3.474	3.410	3.346	3.281	3.215	3.148	3.080	3.012	2.942	2.872	2.801	2.730

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C															F=1/(A+DP*B) CUBIC METRE		
	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636		
-6.00 A	578355	586472	594699	603039	611492	620062	628751	637560	646492	655549	664733	674048	683494	693075	702793	712650		
B	3.732	3.672	3.610	3.548	3.486	3.422	3.358	3.293	3.227	3.160	3.093	3.025	2.956	2.886	2.815	2.744		
-5.75 A	576757	584867	593087	601420	609867	618430	627112	635916	644842	653893	663072	672381	681822	691398	701111	710965		
B	3.742	3.682	3.621	3.560	3.497	3.434	3.370	3.305	3.239	3.173	3.106	3.038	2.969	2.900	2.829	2.758		
-5.50 A	575161	583263	591477	599803	608243	616800	625476	634273	643193	652239	661412	670716	680152	689723	699432	709280		
B	3.753	3.693	3.632	3.571	3.508	3.445	3.382	3.317	3.252	3.185	3.119	3.051	2.982	2.913	2.843	2.772		
-5.25 A	573566	581662	589869	598188	606622	615172	623842	632633	641547	650587	659755	669053	678484	688050	697754	707598		
B	3.763	3.703	3.643	3.582	3.520	3.457	3.393	3.329	3.264	3.198	3.131	3.064	2.996	2.927	2.857	2.786		
-5.00 A	571974	580063	588262	596575	605002	613546	622210	630994	639903	648937	658099	667392	676818	686379	696078	705918		
B	3.773	3.714	3.654	3.593	3.531	3.468	3.405	3.341	3.276	3.211	3.144	3.077	3.009	2.940	2.871	2.800		
-4.75 A	570383	578465	586658	594964	603384	611922	620579	629358	638260	647289	656445	665733	675154	684710	694404	704239		
B	3.784	3.725	3.665	3.604	3.542	3.480	3.417	3.353	3.288	3.223	3.157	3.090	3.022	2.954	2.884	2.814		
-4.50 A	568795	576870	585055	593354	601768	610300	618951	627723	636620	645642	654793	664076	673491	683042	692732	702562		
B	3.794	3.735	3.675	3.615	3.554	3.492	3.429	3.365	3.301	3.236	3.170	3.103	3.035	2.967	2.898	2.828		
-4.25 A	567208	575276	583455	591747	600155	608680	617324	626090	634981	643998	653143	662420	671830	681377	691062	700887		
B	3.804	3.746	3.686	3.626	3.565	3.503	3.440	3.377	3.313	3.248	3.182	3.116	3.049	2.981	2.912	2.842		
-4.00 A	565624	573684	581856	590142	598543	607061	615699	624460	633344	642355	651495	660766	670172	679713	689393	699214		
B	3.814	3.756	3.697	3.637	3.576	3.514	3.452	3.389	3.325	3.260	3.195	3.129	3.062	2.994	2.926	2.856		
-3.75 A	564041	572095	580260	588539	596933	605445	614077	622831	631709	640714	649849	659115	668515	678051	687726	697543		
B	3.825	3.766	3.707	3.648	3.587	3.526	3.464	3.401	3.337	3.273	3.208	3.142	3.075	3.008	2.939	2.870		
-3.50 A	562461	570507	578665	586937	595325	603830	612456	621204	630076	639076	648204	657465	666860	676391	686061	695874		
B	3.835	3.777	3.718	3.659	3.598	3.537	3.475	3.413	3.349	3.285	3.220	3.155	3.088	3.021	2.953	2.884		
-3.25 A	560882	568922	577073	585338	593719	602218	610837	619578	628445	637439	646562	655817	665206	674733	684398	694206		
B	3.845	3.787	3.729	3.670	3.609	3.549	3.487	3.425	3.362	3.298	3.233	3.167	3.101	3.034	2.966	2.898		
-3.00 A	559305	567338	575482	583740	592114	600607	609220	617955	626816	635804	644921	654171	663555	673076	682737	692540		
B	3.855	3.798	3.739	3.680	3.621	3.560	3.499	3.437	3.374	3.310	3.246	3.180	3.114	3.048	2.980	2.912		
-2.75 A	557731	565756	573893	582145	590512	598998	607605	616334	625189	634171	643282	652527	661906	671422	681078	690876		
B	3.865	3.808	3.750	3.691	3.632	3.571	3.510	3.448	3.386	3.322	3.258	3.193	3.127	3.061	2.994	2.926		
-2.50 A	556158	564176	572307	580551	588912	597391	605991	614715	623563	632539	641646	650884	660258	669769	679420	689214		
B	3.875	3.818	3.761	3.702	3.643	3.583	3.522	3.460	3.398	3.335	3.271	3.206	3.140	3.074	3.007	2.939		
-2.25 A	554588	562599	570722	578960	587314	595786	604380	613097	621940	630910	640011	649244	658612	668118	677765	687554		
B	3.885	3.829	3.771	3.713	3.654	3.594	3.533	3.472	3.410	3.347	3.283	3.219	3.153	3.087	3.021	2.953		

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE														F=1/(A+DP*B)	
	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636
-2.00 A	553019	561023	569139	577370	585717	594184	602771	611482	620318	629283	638377	647605	656968	666470	676111	685896
-2.00 B	3.895	3.839	3.782	3.724	3.665	3.605	3.545	3.484	3.422	3.359	3.296	3.231	3.166	3.101	3.034	2.967
-1.75 A	551452	559449	567558	575782	584123	592583	601164	609868	618698	627657	636746	645969	655326	664823	674459	684239
-1.75 B	3.906	3.849	3.792	3.734	3.676	3.616	3.556	3.495	3.434	3.371	3.308	3.244	3.179	3.114	3.048	2.981
-1.50 A	549888	557877	565979	574196	582530	590984	599558	608256	617081	626033	635117	644334	653686	663177	672809	682585
-1.50 B	3.915	3.859	3.803	3.745	3.687	3.628	3.568	3.507	3.446	3.384	3.321	3.257	3.192	3.127	3.061	2.994
-1.25 A	548325	556307	564403	572613	580940	589386	597955	606647	615465	624412	633489	642701	652048	661534	671161	680932
-1.25 B	3.925	3.870	3.813	3.756	3.698	3.639	3.579	3.519	3.458	3.396	3.333	3.270	3.205	3.140	3.075	3.008
-1.00 A	546764	554740	562828	571031	579351	587791	596353	605039	613851	622792	631864	641070	650412	659893	669515	679281
-1.00 B	3.935	3.880	3.824	3.766	3.709	3.650	3.591	3.530	3.470	3.408	3.345	3.282	3.218	3.153	3.088	3.022
-0.75 A	545206	553174	561255	569451	577765	586198	594753	603433	612239	621174	630240	639441	648777	658253	667870	677632
-0.75 B	3.945	3.890	3.834	3.777	3.719	3.661	3.602	3.542	3.481	3.420	3.358	3.295	3.231	3.167	3.101	3.035
-0.50 A	543649	551610	559684	567873	576180	584607	593156	601829	610629	619558	628619	637813	647145	656615	666228	675984
-0.50 B	3.955	3.900	3.844	3.788	3.730	3.672	3.613	3.554	3.493	3.432	3.370	3.307	3.244	3.180	3.115	3.049
-0.25 A	542094	550048	558115	566297	574597	583017	591560	600227	609021	617944	626999	636188	645514	654979	664587	674339
-0.25 B	3.965	3.910	3.855	3.798	3.741	3.683	3.625	3.565	3.505	3.444	3.382	3.320	3.257	3.193	3.128	3.062
0.00 A	540542	548488	556548	564723	573017	581430	589966	598627	607414	616332	625381	634564	643885	653345	662948	672696
0.00 B	3.975	3.920	3.865	3.809	3.752	3.694	3.636	3.577	3.517	3.456	3.395	3.332	3.270	3.206	3.141	3.076
0.25 A	538991	546930	554983	563151	571438	579845	588374	597028	605810	614721	623765	632943	642258	651713	661311	671054
0.25 B	3.985	3.930	3.875	3.819	3.763	3.705	3.647	3.588	3.529	3.468	3.407	3.345	3.282	3.219	3.155	3.090
0.50 A	537442	545374	553420	561581	569861	578261	586784	595432	604208	613113	622151	631323	640633	650083	659676	669414
0.50 B	3.995	3.940	3.886	3.830	3.774	3.716	3.658	3.600	3.540	3.480	3.419	3.358	3.295	3.232	3.168	3.103
0.75 A	535896	543820	551859	560013	568286	576680	585196	593838	602607	611506	620538	629705	639010	648455	658043	667776
0.75 B	4.004	3.950	3.896	3.840	3.784	3.727	3.670	3.611	3.552	3.492	3.431	3.370	3.308	3.245	3.181	3.117
1.00 A	534351	542268	550300	558447	566713	575100	583610	592245	601008	609902	618928	628089	637389	646828	656411	666140
1.00 B	4.014	3.960	3.906	3.851	3.795	3.738	3.681	3.623	3.564	3.504	3.444	3.382	3.320	3.258	3.194	3.130
1.25 A	532808	540718	548743	556883	565142	573523	582026	590655	599412	608299	617319	626475	635769	645204	654782	664506
1.25 B	4.024	3.970	3.916	3.861	3.806	3.749	3.692	3.634	3.575	3.516	3.456	3.395	3.333	3.271	3.207	3.143
1.50 A	531268	539171	547188	555321	563573	571947	580444	589066	597817	606698	615713	624863	634152	643581	653154	662873
1.50 B	4.033	3.980	3.926	3.872	3.816	3.760	3.703	3.646	3.587	3.528	3.468	3.407	3.346	3.284	3.221	3.157
1.75 A	529729	537625	545634	553761	562006	570373	578863	587480	596224	605100	614108	623253	632536	641960	651528	661243
1.75 B	4.043	3.990	3.937	3.882	3.827	3.771	3.714	3.657	3.599	3.540	3.480	3.420	3.358	3.296	3.234	3.170

TEMP DEG C	COMPRESSION FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636	
2.00 A	528193	536081	544083	552203	560441	568801	577285	585895	594633	603503	612506	621645	630922	640341	649904	659614	
B	4.053	4.000	3.947	3.893	3.838	3.782	3.726	3.668	3.610	3.552	3.492	3.432	3.371	3.309	3.247	3.184	
2.25 A	526558	534539	542534	550647	558878	567232	575709	584312	593044	601908	610905	620038	629310	638724	648282	657987	
B	4.062	4.010	3.957	3.903	3.848	3.793	3.737	3.680	3.622	3.563	3.504	3.444	3.384	3.322	3.260	3.197	
2.50 A	525125	532999	540987	549092	557317	565664	574134	582731	591457	600315	609306	618434	627700	637109	646662	656362	
B	4.072	4.020	3.967	3.913	3.859	3.804	3.748	3.691	3.634	3.575	3.516	3.457	3.396	3.335	3.273	3.210	
2.75 A	523595	531461	539442	547540	555758	564098	572562	581153	589872	598723	607709	616831	626092	635496	645044	654739	
B	4.082	4.030	3.977	3.924	3.869	3.814	3.759	3.702	3.645	3.587	3.528	3.469	3.409	3.348	3.286	3.223	
3.00 A	522066	529925	537899	545990	554201	562534	570991	579576	588289	597134	606114	615230	624486	633884	643427	653118	
B	4.091	4.039	3.987	3.934	3.880	3.825	3.770	3.714	3.657	3.599	3.540	3.481	3.421	3.360	3.299	3.237	
3.25 A	520540	528391	536358	544442	552646	560972	569423	578001	586708	595547	604521	613631	622882	632275	641813	651499	
B	4.101	4.049	3.997	3.944	3.890	3.836	3.781	3.725	3.668	3.611	3.552	3.493	3.434	3.373	3.312	3.250	
3.50 A	519015	526859	534819	542896	551093	559412	567856	576428	585129	593962	602929	612034	621279	630667	640200	649881	
B	4.110	4.059	4.007	3.954	3.901	3.847	3.792	3.736	3.679	3.622	3.564	3.506	3.446	3.386	3.325	3.263	
3.75 A	517493	525329	533281	541351	549541	557854	566292	574856	583551	592378	601340	610439	619679	629061	638589	648265	
B	4.120	4.069	4.017	3.965	3.911	3.857	3.803	3.747	3.691	3.634	3.576	3.518	3.459	3.399	3.338	3.276	
4.00 A	515972	523801	531746	539809	547992	556298	564729	573287	581976	590797	599753	608846	618080	627457	636980	646652	
B	4.129	4.078	4.027	3.975	3.922	3.868	3.814	3.758	3.702	3.646	3.588	3.530	3.471	3.411	3.351	3.290	
4.25 A	514454	522276	530213	538269	546445	554744	563168	571720	580402	589217	598167	607255	616484	625855	635373	645040	
B	4.139	4.088	4.037	3.985	3.932	3.879	3.824	3.769	3.714	3.657	3.600	3.542	3.483	3.424	3.364	3.303	
4.50 A	512937	520752	528682	536730	544900	553192	561609	570155	578831	587639	596583	605666	614889	624255	633768	643430	
B	4.148	4.098	4.047	3.995	3.942	3.889	3.835	3.781	3.725	3.669	3.612	3.554	3.496	3.436	3.376	3.316	
4.75 A	511423	519230	527153	535194	543356	551642	560053	568592	577261	586064	595002	604078	613296	622657	632165	641822	
B	4.157	4.107	4.057	4.005	3.953	3.900	3.846	3.792	3.736	3.680	3.624	3.566	3.508	3.449	3.389	3.329	
5.00 A	509911	517710	525626	533660	541815	550094	558498	567030	575693	584490	593422	602493	611705	621061	630563	640215	
B	4.167	4.117	4.066	4.015	3.963	3.910	3.857	3.803	3.748	3.692	3.636	3.578	3.520	3.462	3.402	3.342	
5.25 A	508400	516192	524100	532128	540276	548547	556945	565471	574128	582918	591844	600909	610116	619466	628964	638611	
B	4.176	4.127	4.076	4.025	3.973	3.921	3.868	3.814	3.759	3.704	3.647	3.590	3.533	3.474	3.415	3.355	
5.50 A	506892	514676	522577	530597	538738	547003	555394	563913	572564	581348	590268	599328	608528	617874	627366	637009	
B	4.185	4.136	4.086	4.035	3.984	3.931	3.878	3.825	3.770	3.715	3.659	3.602	3.545	3.487	3.428	3.368	
5.75 A	505386	513163	521056	529069	537203	545461	553845	562358	571002	579780	588694	597748	606943	616283	625770	635408	
B	4.195	4.146	4.096	4.045	3.994	3.942	3.889	3.836	3.782	3.727	3.671	3.614	3.557	3.499	3.440	3.381	

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE											F=1/(A+DP*B)				
		606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636
6.00	A	503881	511651	519537	527543	535670	543921	552298	560804	569442	578214	587122	596170	605360	614694	624177	633809
	B	4.204	4.155	4.106	4.055	4.004	3.952	3.900	3.847	3.793	3.738	3.682	3.626	3.569	3.512	3.453	3.394
6.25	A	502379	510141	518020	526018	534138	542382	550753	559253	567884	576650	585552	594594	603778	613107	622585	632212
	B	4.213	4.165	4.115	4.065	4.014	3.963	3.911	3.858	3.804	3.749	3.694	3.638	3.581	3.524	3.466	3.407
6.50	A	500879	508633	516505	524496	532609	540846	549210	557703	566328	575087	583984	593020	602199	611523	620994	630617
	B	4.222	4.174	4.125	4.075	4.025	3.973	3.921	3.869	3.815	3.761	3.706	3.650	3.594	3.536	3.478	3.420
6.75	A	499381	507128	514992	522976	531081	539312	547669	556155	564774	573527	582418	591448	600621	609939	619406	629024
	B	4.231	4.183	4.135	4.085	4.035	3.984	3.932	3.879	3.826	3.772	3.717	3.662	3.606	3.549	3.491	3.433
7.00	A	497885	505624	513481	521457	529556	537779	546130	554610	563222	571969	580853	589878	599045	608358	617820	627433
	B	4.241	4.193	4.144	4.095	4.045	3.994	3.943	3.890	3.837	3.784	3.729	3.674	3.618	3.561	3.504	3.446
7.25	A	496391	504122	511972	519941	528033	536249	544593	553066	561672	570412	579291	588310	597471	606779	616236	625844
	B	4.250	4.202	4.154	4.105	4.055	4.004	3.953	3.901	3.848	3.795	3.741	3.686	3.630	3.574	3.516	3.458
7.50	A	494899	502623	510465	518427	526511	534721	543057	551524	560124	568858	577730	586743	595899	605202	614653	624256
	B	4.259	4.212	4.163	4.115	4.065	4.015	3.964	3.912	3.859	3.806	3.752	3.698	3.642	3.586	3.529	3.471
7.75	A	493409	501125	508960	516914	524992	533194	541524	549984	558577	567306	576172	585179	594329	603626	613072	622671
	B	4.268	4.221	4.173	4.124	4.075	4.025	3.974	3.923	3.871	3.818	3.764	3.709	3.654	3.598	3.541	3.484
8.00	A	491921	499630	507457	515404	523474	531670	539993	548447	557033	565755	574615	583616	592761	602053	611494	621087
	B	4.277	4.230	4.183	4.134	4.085	4.035	3.985	3.934	3.882	3.829	3.775	3.721	3.666	3.610	3.554	3.497
8.25	A	490435	498136	505956	513896	521959	530147	538464	546911	555491	564206	573060	582056	591195	600481	609917	619505
	B	4.286	4.239	4.192	4.144	4.095	4.046	3.995	3.944	3.893	3.840	3.787	3.733	3.678	3.623	3.566	3.510
8.50	A	488951	496645	504457	512390	520445	528627	536936	545377	553950	562660	571508	580497	589631	598911	608342	617925
	B	4.295	4.249	4.202	4.154	4.105	4.056	4.006	3.955	3.904	3.851	3.798	3.745	3.690	3.635	3.579	3.522
8.75	A	487469	495155	502960	510885	518934	527108	535411	543845	552412	561115	569957	578940	588068	597344	606769	616347
	B	4.304	4.258	4.211	4.163	4.115	4.066	4.016	3.966	3.914	3.862	3.810	3.756	3.702	3.647	3.591	3.535
9.00	A	485989	493668	501465	509383	517425	525592	533888	542315	550875	559572	568408	577386	586508	595778	605198	614771
	B	4.313	4.267	4.221	4.173	4.125	4.076	4.027	3.976	3.925	3.874	3.821	3.768	3.714	3.659	3.604	3.548
9.25	A	484512	492182	499972	507883	515917	524077	532367	540787	549341	558031	566861	575833	584949	594214	603629	613197
	B	4.322	4.276	4.230	4.183	4.135	4.086	4.037	3.987	3.936	3.885	3.833	3.780	3.726	3.671	3.616	3.560
9.50	A	483036	490699	498481	506385	514412	522565	530847	539261	547808	556492	565316	574282	583393	592652	602061	611625
	B	4.331	4.286	4.239	4.192	4.145	4.097	4.047	3.998	3.947	3.896	3.844	3.791	3.738	3.683	3.629	3.573
9.75	A	481562	489218	496992	504888	512908	521055	529330	537737	546278	554956	563773	572733	581838	591092	600496	610054
	B	4.340	4.295	4.249	4.202	4.155	4.107	4.058	4.008	3.958	3.907	3.855	3.803	3.750	3.696	3.641	3.585

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C															F=1/(A+DP*B) CUBIC METRE		
		606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636		
10.00	A	480091	487739	495506	503394	511407	519546	527814	536214	544749	553421	562232	571186	580285	589533	598932	608486		
	B	4.349	4.304	4.258	4.212	4.165	4.117	4.068	4.019	3.969	3.918	3.867	3.814	3.761	3.708	3.653	3.598		
10.25	A	478621	486261	494021	501902	509907	518040	526301	534694	543222	551888	560693	569641	578735	587977	597371	606919		
	B	4.358	4.313	4.267	4.221	4.174	4.127	4.078	4.029	3.980	3.929	3.878	3.826	3.773	3.720	3.666	3.611		
10.50	A	477154	484786	492538	500412	508410	516535	524790	533176	541698	550356	559156	568098	577186	586423	595811	605354		
	B	4.366	4.322	4.277	4.231	4.184	4.137	4.089	4.040	3.990	3.940	3.889	3.837	3.785	3.732	3.678	3.623		
10.75	A	475688	483313	491057	498924	506915	515033	523280	531660	540175	548827	557620	566556	575639	584870	594253	603792		
	B	4.375	4.331	4.286	4.240	4.194	4.147	4.099	4.050	4.001	3.951	3.900	3.849	3.797	3.744	3.690	3.636		
11.00	A	474225	481842	489579	497438	505421	513532	521773	530146	538654	547300	556087	565017	574094	583319	592697	602231		
	B	4.384	4.340	4.295	4.250	4.204	4.157	4.109	4.061	4.012	3.962	3.912	3.860	3.808	3.756	3.702	3.648		
11.25	A	472764	480373	488102	495953	503930	512034	520267	528634	537135	545775	554556	563480	572551	581771	591144	600672		
	B	4.393	4.349	4.304	4.259	4.213	4.167	4.119	4.071	4.023	3.973	3.923	3.872	3.820	3.768	3.714	3.661		
11.50	A	471304	478906	486627	494471	502440	510537	518764	527123	535618	544252	553026	561944	571009	580224	589591	599115		
	B	4.401	4.358	4.314	4.269	4.223	4.177	4.130	4.082	4.033	3.984	3.934	3.883	3.832	3.780	3.727	3.673		
11.75	A	469847	477441	485155	492991	500953	509043	517262	525615	534104	542731	551499	560411	569470	578679	588041	597559		
	B	4.410	4.367	4.323	4.278	4.233	4.187	4.140	4.092	4.044	3.995	3.945	3.895	3.843	3.791	3.739	3.685		
12.00	A	468392	475978	483684	491513	499468	507550	515763	524109	532591	541211	549973	558879	567933	577136	586493	596006		
	B	4.419	4.376	4.332	4.288	4.242	4.197	4.150	4.103	4.054	4.006	3.956	3.906	3.855	3.803	3.751	3.698		
12.25	A	466939	474517	482216	490037	497984	506060	514265	522605	531080	539694	548450	557350	566397	575595	584947	594455		
	B	4.427	4.385	4.341	4.297	4.252	4.206	4.160	4.113	4.065	4.017	3.967	3.917	3.867	3.815	3.763	3.710		
12.50	A	465488	473058	480749	488563	496503	504571	512770	521102	529571	538179	546928	555822	564864	574056	583402	592905		
	B	4.436	4.393	4.350	4.306	4.262	4.216	4.170	4.123	4.076	4.027	3.978	3.929	3.878	3.827	3.775	3.722		
12.75	A	464039	471602	479285	487092	495024	503085	511276	519602	528064	536665	545408	554296	563332	572519	581860	591358		
	B	4.445	4.402	4.359	4.316	4.271	4.226	4.180	4.134	4.086	4.038	3.989	3.940	3.890	3.839	3.787	3.735		
13.00	A	462592	470147	477823	485622	493547	501600	509785	518104	526559	535154	543891	552773	561803	570984	580319	589812		
	B	4.453	4.411	4.368	4.325	4.281	4.236	4.190	4.144	4.097	4.049	4.000	3.951	3.901	3.851	3.799	3.747		
13.25	A	461147	468694	476362	484154	492071	500118	508296	516607	525056	533644	542375	551251	560275	569451	578781	588268		
	B	4.462	4.420	4.377	4.334	4.290	4.246	4.200	4.154	4.107	4.060	4.011	3.962	3.913	3.862	3.811	3.759		
13.50	A	459705	467244	474904	482688	490598	498637	506808	515113	523555	532137	540861	549731	558750	567919	577244	586726		
	B	4.470	4.429	4.386	4.343	4.300	4.255	4.210	4.164	4.118	4.070	4.022	3.974	3.924	3.874	3.823	3.772		
13.75	A	458264	465795	473448	481224	489127	497159	505323	513621	522056	530631	539349	548213	557226	566390	575709	585186		
	B	4.479	4.437	4.395	4.353	4.309	4.265	4.220	4.175	4.128	4.081	4.033	3.985	3.936	3.886	3.835	3.784		

TEMP DEG C		COMPRESSION FACTOR PER KILOGRAM PER DENSITY AT 15 DEGREES C												P = 1 (ATMOSP.) CUBIC METRE											
		606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636								
14.00	A	456825	464349	471994	479762	487658	495683	503839	512130	520559	529128	537839	546697	555704	564863	574176	583648								
	B	4.487	4.446	4.404	4.362	4.319	4.275	4.230	4.185	4.139	4.092	4.044	3.996	3.947	3.897	3.847	3.796								
14.25	A	455389	462904	470541	478303	486191	494208	502358	510642	519064	527626	536331	545183	554184	563337	572645	582112								
	B	4.496	4.455	4.413	4.371	4.328	4.284	4.240	4.195	4.149	4.102	4.055	4.007	3.959	3.909	3.859	3.808								
14.50	A	453954	461462	469091	476845	484726	492736	500878	509156	517571	526126	534826	543671	552666	561813	571116	580578								
	B	4.504	4.464	4.422	4.380	4.337	4.294	4.250	4.205	4.159	4.113	4.066	4.018	3.970	3.921	3.871	3.820								
14.75	A	452522	460022	467643	475389	483263	491265	499401	507671	516080	524629	533322	542161	551150	560292	569589	579046								
	B	4.512	4.472	4.431	4.389	4.347	4.304	4.260	4.215	4.170	4.124	4.077	4.029	3.981	3.932	3.883	3.832								
15.00	A	451092	458584	466197	473936	481802	489797	497925	506189	514590	523133	531820	540653	549636	558772	568064	577515								
	B	4.521	4.481	4.440	4.398	4.356	4.313	4.270	4.225	4.180	4.134	4.088	4.041	3.993	3.944	3.895	3.844								
15.25	A	449664	457147	464753	472484	480343	488331	496452	504708	513103	521639	530319	539147	548124	557254	566541	575987								
	B	4.529	4.489	4.449	4.408	4.366	4.323	4.279	4.235	4.190	4.145	4.099	4.052	4.004	3.955	3.906	3.856								
15.50	A	448237	455713	463312	471035	478886	486866	494980	503230	511618	520148	528821	537642	546614	555738	565020	574460								
	B	4.538	4.498	4.458	4.417	4.375	4.332	4.289	4.245	4.201	4.155	4.109	4.063	4.015	3.967	3.918	3.869								
15.75	A	446813	454281	461872	469587	477431	485404	493511	501754	510135	518658	527325	536140	545106	554224	563500	572936								
	B	4.546	4.506	4.466	4.426	4.384	4.342	4.299	4.255	4.211	4.166	4.120	4.074	4.026	3.979	3.930	3.881								
16.00	A	445391	452851	460434	468142	475978	483944	492044	500279	508654	517170	525831	534640	543599	552713	561983	571413								
	B	4.554	4.515	4.475	4.435	4.393	4.351	4.309	4.265	4.221	4.176	4.131	4.085	4.038	3.990	3.942	3.893								
16.25	A	443972	451424	458938	466699	474527	482486	490578	498807	507175	515684	524339	533142	542095	551202	560467	569892								
	B	4.562	4.524	4.484	4.444	4.403	4.361	4.318	4.275	4.231	4.187	4.142	4.096	4.049	4.001	3.953	3.904								
16.50	A	442554	449998	457565	465257	473078	481030	489115	497336	505697	514201	522849	531645	540593	549694	558954	568373								
	B	4.571	4.532	4.493	4.453	4.412	4.370	4.328	4.285	4.242	4.197	4.152	4.106	4.060	4.013	3.965	3.916								
16.75	A	441138	448574	456133	463818	471631	479575	487653	495868	504222	512719	521361	530151	539092	548188	557442	566856								
	B	4.579	4.540	4.501	4.462	4.421	4.380	4.338	4.295	4.252	4.208	4.163	4.117	4.071	4.024	3.977	3.928								
17.00	A	439724	447152	454704	462381	470186	478123	486194	494402	502749	511239	519874	528658	537594	546684	555932	565341								
	B	4.587	4.549	4.510	4.470	4.430	4.389	4.347	4.305	4.262	4.218	4.174	4.128	4.082	4.036	3.988	3.940								
17.25	A	438313	445733	453276	460946	468744	476673	484737	492937	501278	509761	518390	527168	536097	545182	554424	563828								
	B	4.595	4.557	4.519	4.479	4.439	4.399	4.357	4.315	4.272	4.228	4.184	4.139	4.093	4.047	4.000	3.952								
17.50	A	436903	444315	451851	459513	467303	475225	483281	491475	499809	508285	516908	525679	534603	543681	552919	562317								
	B	4.603	4.566	4.527	4.488	4.448	4.408	4.367	4.325	4.282	4.239	4.195	4.150	4.105	4.058	4.012	3.964								
17.75	A	435496	442900	450428	458081	465864	473779	481828	490015	498341	506811	515427	524193	533110	542183	551415	560808								
	B	4.611	4.574	4.536	4.497	4.457	4.417	4.376	4.335	4.292	4.249	4.205	4.161	4.116	4.070	4.023	3.976								

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)		
		606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636		
18.00	A	434091	441487	449006	456652	464428	472335	480377	488556	496876	505339	513949	522708	531620	540687	549913	559301		
	B	4.620	4.582	4.544	4.506	4.466	4.426	4.386	4.344	4.302	4.259	4.216	4.172	4.127	4.081	4.035	3.988		
18.25	A	432688	440075	447587	455226	462993	470893	478928	487100	495413	503870	512473	521225	530131	539192	548413	557795		
	B	4.628	4.591	4.553	4.515	4.476	4.436	4.395	4.354	4.312	4.270	4.226	4.182	4.138	4.092	4.046	3.999		
18.50	A	431287	438666	446170	453801	461561	469453	477480	485646	493952	502402	510998	519745	528644	537700	546914	556292		
	B	4.636	4.599	4.561	4.523	4.485	4.445	4.405	4.364	4.322	4.280	4.237	4.193	4.149	4.103	4.058	4.011		
18.75	A	429888	437259	444755	452378	460130	468015	476035	484193	492493	500936	509526	518266	527159	536209	545418	554790		
	B	4.644	4.607	4.570	4.532	4.494	4.454	4.414	4.374	4.332	4.290	4.247	4.204	4.160	4.115	4.069	4.023		
19.00	A	428491	435854	443342	450957	458702	466579	474592	482743	491035	499472	508056	516789	525677	534720	543924	553291		
	B	4.652	4.615	4.578	4.541	4.502	4.463	4.424	4.383	4.342	4.300	4.258	4.214	4.171	4.126	4.081	4.034		
19.25	A	427096	434451	441931	449538	457276	465145	473151	481295	489580	498010	506587	515315	524196	533234	542432	551793		
	B	4.660	4.624	4.587	4.549	4.511	4.473	4.433	4.393	4.352	4.310	4.268	4.225	4.181	4.137	4.092	4.046		
19.50	A	425703	433051	440522	448122	455851	463714	471712	479849	488127	496550	505121	513842	522717	531749	540942	550298		
	B	4.668	4.632	4.595	4.558	4.520	4.482	4.443	4.403	4.362	4.321	4.279	4.236	4.192	4.148	4.103	4.058		
19.75	A	424313	431652	439116	446707	454429	462284	470275	478404	486676	495092	503656	512371	521240	530266	539453	548804		
	B	4.675	4.640	4.604	4.567	4.529	4.491	4.452	4.412	4.372	4.331	4.289	4.246	4.203	4.159	4.115	4.069		
20.00	A	422924	430255	437711	445295	453009	460856	468840	476962	485227	493636	502194	510902	519765	528786	537967	547312		
	B	4.683	4.648	4.612	4.575	4.538	4.500	4.461	4.422	4.382	4.341	4.299	4.257	4.214	4.170	4.126	4.081		
20.25	A	421538	428861	436309	443884	451591	459431	467407	475522	483780	492182	500733	509435	518292	527307	536482	545822		
	B	4.691	4.656	4.620	4.584	4.547	4.509	4.471	4.431	4.391	4.351	4.310	4.268	4.225	4.181	4.137	4.093		
20.50	A	420154	427468	434908	442476	450175	458007	465976	474084	482334	490730	499275	507971	516821	525830	535000	544334		
	B	4.699	4.664	4.629	4.593	4.556	4.518	4.480	4.441	4.401	4.361	4.320	4.278	4.236	4.193	4.149	4.104		
20.75	A	418771	426078	433510	441070	448761	456585	464547	472648	480891	489280	497818	506508	515352	524355	533519	542848		
	B	4.707	4.672	4.637	4.601	4.564	4.527	4.489	4.450	4.411	4.371	4.330	4.289	4.246	4.204	4.160	4.116		
21.00	A	417391	424690	432113	439665	447349	455166	463120	471214	479450	487833	496364	505047	513885	522882	532041	541364		
	B	4.715	4.680	4.645	4.610	4.573	4.536	4.498	4.460	4.421	4.381	4.340	4.299	4.257	4.215	4.171	4.127		
21.25	A	416013	423303	430719	438263	445939	453748	461695	469782	478011	486387	494911	503588	512420	521411	530564	539882		
	B	4.722	4.688	4.654	4.618	4.582	4.545	4.508	4.469	4.430	4.391	4.351	4.310	4.268	4.225	4.182	4.139		
21.50	A	414638	421919	429327	436863	444531	452333	460272	468352	476574	484943	493461	502131	510957	519942	529089	538402		
	B	4.730	4.696	4.662	4.627	4.591	4.554	4.517	4.479	4.440	4.401	4.361	4.320	4.279	4.236	4.194	4.150		
21.75	A	413264	420537	427937	435465	443125	450920	458851	466924	475139	483501	492012	500676	509496	518475	527616	536924		
	B	4.738	4.704	4.670	4.635	4.599	4.563	4.526	4.488	4.450	4.411	4.371	4.330	4.289	4.247	4.205	4.161		

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+UP*B)		
		606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636		
22.00	A	4.1892	4.1917	4.2654	4.3406	4.4172	4.4950	4.5743	4.6549	4.7376	4.8206	4.9056	4.9923	5.0807	5.1701	5.2614	5.3547		
	B	4.746	4.712	4.678	4.643	4.608	4.572	4.535	4.498	4.460	4.421	4.381	4.341	4.300	4.258	4.216	4.173		
22.25	A	4.1052	4.1780	4.2516	4.3267	4.4032	4.4809	4.5601	4.6407	4.7227	4.8063	4.8912	4.9772	5.0658	5.1554	5.2467	5.3393		
	B	4.753	4.720	4.686	4.652	4.617	4.581	4.544	4.507	4.469	4.431	4.391	4.351	4.311	4.269	4.227	4.184		
22.50	A	4.0915	4.1640	4.2377	4.3128	4.3892	4.4669	4.5460	4.6262	4.7084	4.7917	4.8767	4.9632	5.0512	5.1408	5.2310	5.3250		
	B	4.761	4.728	4.694	4.660	4.625	4.590	4.553	4.516	4.479	4.440	4.401	4.362	4.321	4.280	4.238	4.196		
22.75	A	4.0779	4.1503	4.2239	4.2989	4.3752	4.4528	4.5319	4.6123	4.6941	4.7775	4.8623	4.9487	5.0367	5.1262	5.2174	5.3103		
	B	4.768	4.736	4.703	4.669	4.634	4.599	4.562	4.526	4.488	4.450	4.411	4.372	4.332	4.291	4.249	4.207		
23.00	A	4.0642	4.1365	4.2101	4.2850	4.3612	4.4384	4.5178	4.5981	4.6794	4.7632	4.8479	4.9343	5.0220	5.1116	5.2028	5.2956		
	B	4.776	4.744	4.711	4.677	4.642	4.607	4.572	4.535	4.498	4.460	4.421	4.382	4.342	4.302	4.260	4.218		
23.25	A	4.0506	4.1230	4.1964	4.2711	4.3473	4.4248	4.5030	4.5824	4.6631	4.7450	4.8282	4.9128	5.0071	5.0971	5.1882	5.2805		
	B	4.784	4.752	4.719	4.685	4.651	4.616	4.581	4.544	4.507	4.470	4.431	4.392	4.353	4.312	4.271	4.230		
23.50	A	4.0370	4.1092	4.1825	4.2573	4.3334	4.4104	4.4886	4.5684	4.6500	4.7334	4.8186	4.9054	4.9937	5.0826	5.1732	5.2663		
	B	4.791	4.759	4.727	4.693	4.660	4.625	4.590	4.554	4.517	4.480	4.441	4.403	4.363	4.323	4.282	4.241		
23.75	A	4.0235	4.0957	4.1689	4.2435	4.3193	4.3967	4.4759	4.5573	4.6403	4.7250	4.8114	4.8998	4.9888	5.0784	5.1695	5.2618		
	B	4.799	4.767	4.735	4.702	4.668	4.634	4.599	4.563	4.526	4.489	4.451	4.413	4.374	4.334	4.293	4.252		
24.00	A	4.0095	4.0819	4.1550	4.2297	4.3056	4.3829	4.4616	4.5416	4.6231	4.7061	4.7905	4.8767	4.9643	5.0536	5.1445	5.2370		
	B	4.806	4.775	4.743	4.710	4.677	4.642	4.608	4.572	4.536	4.499	4.461	4.423	4.384	4.345	4.304	4.263		
24.25	A	3.9964	4.0683	4.1415	4.2160	4.2918	4.3689	4.4475	4.5275	4.6090	4.6919	4.7763	4.8623	4.9494	5.0391	5.1297	5.2224		
	B	4.814	4.783	4.751	4.718	4.685	4.651	4.616	4.581	4.545	4.509	4.471	4.433	4.395	4.355	4.315	4.274		
24.50	A	3.9829	4.0547	4.1284	4.2024	4.2778	4.3550	4.4338	4.5134	4.5947	4.6773	4.7621	4.8480	4.9354	5.0246	5.1154	5.2079		
	B	4.821	4.790	4.759	4.726	4.693	4.660	4.625	4.590	4.555	4.518	4.481	4.443	4.405	4.366	4.326	4.286		
24.75	A	3.9694	4.0418	4.1149	4.1885	4.2641	4.3412	4.4196	4.4994	4.5806	4.6635	4.7478	4.8337	4.9217	5.0102	5.1006	5.1937		
	B	4.829	4.798	4.767	4.734	4.702	4.668	4.634	4.599	4.564	4.528	4.491	4.454	4.415	4.376	4.337	4.297		
25.00	A	3.9558	4.0283	4.1006	4.1741	4.2503	4.3273	4.4056	4.4854	4.5667	4.6493	4.7336	4.8194	4.9068	4.9958	5.0864	5.1785		
	B	4.836	4.806	4.774	4.743	4.710	4.677	4.643	4.609	4.573	4.537	4.501	4.464	4.426	4.387	4.348	4.308		
25.25	A	3.9425	4.0141	4.0866	4.1612	4.2362	4.3134	4.3917	4.4714	4.5526	4.6352	4.7194	4.8051	4.8924	4.9814	5.0720	5.1643		
	B	4.843	4.813	4.782	4.751	4.718	4.686	4.652	4.618	4.583	4.547	4.511	4.474	4.436	4.398	4.359	4.319		
25.50	A	3.9291	4.0006	4.0737	4.1474	4.2227	4.2996	4.3785	4.4574	4.5385	4.6214	4.7052	4.7909	4.8781	4.9670	5.0570	5.1485		
	B	4.851	4.821	4.790	4.759	4.727	4.694	4.661	4.627	4.592	4.557	4.521	4.484	4.446	4.408	4.369	4.330		
25.75	A	3.9157	3.9871	4.0591	4.1338	4.2091	4.2858	4.3639	4.4435	4.5245	4.6070	4.6910	4.7766	4.8638	4.9527	5.0431	5.1353		
	B	4.858	4.828	4.798	4.767	4.735	4.703	4.670	4.636	4.601	4.566	4.530	4.494	4.457	4.419	4.380	4.341		

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C															F=1/(A+DP*B) CUBIC METRE	
	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636	
26.00 A	390235	397366	404626	412018	419544	427207	435011	442959	451053	459297	467694	476247	484960	493837	502880	512093	
B	4.865	4.836	4.806	4.775	4.743	4.711	4.678	4.645	4.611	4.576	4.540	4.504	4.467	4.429	4.391	4.352	
26.25 A	388899	396022	403274	410657	418175	425831	433627	441567	449654	457891	466281	474828	483535	492405	501442	510650	
B	4.873	4.843	4.813	4.783	4.752	4.720	4.687	4.654	4.620	4.585	4.550	4.514	4.477	4.440	4.402	4.363	
26.50 A	387566	394680	401924	409299	416809	424457	432246	440178	448258	456487	464871	473411	482111	490976	500007	509209	
B	4.880	4.851	4.821	4.791	4.760	4.728	4.696	4.663	4.629	4.595	4.560	4.524	4.487	4.450	4.412	4.374	
26.75 A	386234	393340	400576	407943	415445	423085	430866	438791	446863	455086	463462	471996	480690	489548	498573	507770	
B	4.887	4.858	4.829	4.799	4.768	4.737	4.704	4.672	4.638	4.604	4.569	4.534	4.498	4.461	4.423	4.385	
27.00 A	384905	392003	399230	406589	414083	421715	429488	437406	445471	453686	462056	470583	479271	488123	497142	506333	
B	4.894	4.866	4.837	4.807	4.776	4.745	4.713	4.681	4.647	4.613	4.579	4.544	4.508	4.471	4.434	4.396	
27.25 A	383578	390667	397886	405237	412723	420347	428112	436023	444080	452289	460652	469172	477853	486699	495713	504898	
B	4.901	4.873	4.844	4.815	4.784	4.753	4.722	4.689	4.656	4.623	4.588	4.553	4.518	4.481	4.444	4.407	
27.50 A	382253	389334	396544	403887	411365	418981	426739	434641	442692	450893	459249	467763	476438	485277	494285	503465	
B	4.909	4.881	4.852	4.823	4.793	4.762	4.730	4.698	4.666	4.632	4.598	4.563	4.528	4.492	4.455	4.418	
27.75 A	380931	388003	395204	402539	410009	417617	425367	433262	441306	449500	457849	466356	475024	483858	492860	502033	
B	4.916	4.888	4.860	4.830	4.801	4.770	4.739	4.707	4.675	4.642	4.608	4.573	4.538	4.502	4.466	4.428	
28.00 A	379610	386674	393867	401193	408655	416255	423998	431886	439921	448109	456451	464951	473613	482440	491436	500604	
B	4.923	4.895	4.867	4.838	4.809	4.778	4.748	4.716	4.684	4.651	4.617	4.583	4.548	4.512	4.476	4.439	
28.25 A	378292	385347	392532	399849	407303	414896	422631	430511	438539	446719	455055	463548	472204	481025	490014	499177	
B	4.930	4.903	4.875	4.846	4.817	4.787	4.756	4.725	4.693	4.660	4.627	4.593	4.558	4.523	4.487	4.450	
28.50 A	376976	384022	391198	398508	405954	413538	421265	429138	437159	445332	453660	462147	470796	479611	488595	497752	
B	4.937	4.910	4.882	4.854	4.825	4.795	4.765	4.734	4.702	4.669	4.636	4.603	4.568	4.533	4.497	4.461	
28.75 A	375661	382699	389867	397168	404606	412183	419902	427767	435781	443947	452268	460748	469391	478199	487177	496328	
B	4.944	4.917	4.890	4.862	4.833	4.803	4.773	4.742	4.711	4.679	4.646	4.612	4.578	4.543	4.508	4.471	
29.00 A	374350	381379	388538	395831	403261	410829	418541	426398	434405	442564	450878	459351	467988	476790	485762	494907	
B	4.951	4.924	4.897	4.869	4.841	4.812	4.782	4.751	4.720	4.688	4.655	4.622	4.588	4.553	4.518	4.482	
29.25 A	373040	380060	387211	394496	401917	409478	417182	425032	433031	441182	449490	457957	466586	475382	484348	493488	
B	4.958	4.932	4.905	4.877	4.849	4.820	4.790	4.760	4.729	4.697	4.665	4.632	4.598	4.564	4.529	4.493	
29.50 A	371732	378744	385887	393163	400576	408129	415825	423667	431659	439803	448104	456564	465187	473977	482937	492070	
B	4.965	4.939	4.912	4.885	4.857	4.828	4.798	4.768	4.738	4.706	4.674	4.641	4.608	4.574	4.539	4.504	
29.75 A	370427	377430	384564	391832	399237	406782	414470	422305	430289	438426	446720	455173	463790	472573	481527	490655	
B	4.972	4.946	4.920	4.892	4.865	4.836	4.807	4.777	4.746	4.715	4.683	4.651	4.618	4.584	4.549	4.514	

COMPRESSION FACTOR PER KILOPASCAL
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

F = 1 / (ATOP - D)

TEMP DEG C	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636
30.00 A	369123	376118	383243	390503	397900	405437	413117	420944	428921	437051	445338	453784	462394	471171	480119	489242
B	4.979	4.953	4.927	4.900	4.872	4.844	4.815	4.786	4.755	4.724	4.693	4.661	4.628	4.594	4.560	4.525
30.25 A	367822	374808	381925	389176	396565	404094	411767	419586	427555	435678	443958	452397	461001	469772	478714	487830
B	4.986	4.960	4.934	4.908	4.880	4.852	4.824	4.794	4.764	4.734	4.702	4.670	4.637	4.604	4.570	4.535
30.50 A	366523	373500	380609	387852	395232	402753	410418	418230	426191	434307	442580	451013	459610	468374	477310	486421
B	4.993	4.967	4.942	4.915	4.888	4.860	4.832	4.803	4.773	4.743	4.711	4.680	4.647	4.614	4.580	4.546
30.75 A	365226	372195	379295	386529	393901	401414	409071	416875	424830	432938	441204	449630	458220	466979	475908	485013
B	4.999	4.975	4.949	4.923	4.896	4.868	4.840	4.811	4.782	4.752	4.721	4.689	4.657	4.624	4.591	4.557
31.00 A	363931	370891	377983	385209	392573	400078	407727	415523	423470	431571	439830	448249	456833	465585	474509	483608
B	5.006	4.982	4.956	4.930	4.904	4.876	4.848	4.820	4.791	4.761	4.730	4.699	4.667	4.634	4.601	4.567
31.25 A	362639	369590	376673	383891	391246	398743	406384	414173	422113	430206	438458	446870	455448	464193	473111	482204
B	5.013	4.989	4.964	4.938	4.911	4.884	4.857	4.828	4.799	4.770	4.739	4.708	4.677	4.644	4.611	4.578
31.50 A	361348	368291	375365	382574	389922	397411	405044	412825	420757	428844	437088	445494	454065	462804	471715	480803
B	5.020	4.996	4.971	4.945	4.919	4.892	4.865	4.837	4.808	4.779	4.748	4.718	4.686	4.654	4.621	4.588
31.75 A	360060	366994	374059	381260	388600	396080	403706	411479	419404	427483	435720	444119	452683	461416	470322	479403
B	5.027	5.003	4.978	4.953	4.927	4.900	4.873	4.845	4.817	4.788	4.758	4.727	4.696	4.664	4.632	4.598
32.00 A	358774	365699	372756	379949	387280	394752	402370	410135	418052	426124	434355	442747	451304	460031	468930	478006
B	5.033	5.010	4.985	4.960	4.935	4.908	4.881	4.854	4.825	4.796	4.767	4.737	4.706	4.674	4.642	4.609
32.25 A	357490	364406	371455	378639	385961	393426	401036	408793	416703	424768	432991	441376	449927	458647	467540	476610
B	5.040	5.017	4.992	4.968	4.942	4.916	4.889	4.862	4.834	4.805	4.776	4.746	4.715	4.684	4.652	4.619
32.50 A	356208	363116	370155	377331	384646	392102	399704	407454	415356	423413	431629	440008	448552	457266	466153	475217
B	5.047	5.023	5.000	4.975	4.950	4.924	4.898	4.870	4.843	4.814	4.785	4.755	4.725	4.694	4.662	4.630
32.75 A	354929	361827	368858	376026	383332	390780	398374	406116	414011	422061	430270	438641	447179	455886	464767	473825
B	5.053	5.030	5.007	4.982	4.958	4.932	4.906	4.879	4.851	4.823	4.794	4.765	4.735	4.704	4.672	4.640
33.00 A	353651	360541	367564	374722	382020	389460	397046	404781	412667	420710	428912	437277	445808	454509	463383	472436
B	5.060	5.037	5.014	4.990	4.965	4.940	4.914	4.887	4.860	4.832	4.803	4.774	4.744	4.713	4.682	4.650
33.25 A	352376	359257	366271	373421	380710	388142	395720	403447	411326	419362	427556	435914	444438	453133	462002	471048
B	5.066	5.044	5.021	4.997	4.973	4.948	4.922	4.895	4.868	4.841	4.812	4.783	4.754	4.723	4.692	4.661
33.50 A	351103	357975	364980	372122	379403	386827	394397	402116	409987	418015	426203	434554	443071	451760	460622	469663
B	5.073	5.051	5.028	5.004	4.980	4.955	4.930	4.904	4.877	4.849	4.821	4.793	4.763	4.733	4.702	4.671
33.75 A	349832	356695	363692	370825	378098	385513	393075	400786	408651	416671	424852	433195	441706	450388	459244	468279
B	5.080	5.058	5.035	5.012	4.988	4.963	4.938	4.912	4.885	4.858	4.830	4.802	4.773	4.743	4.712	4.681

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)		
	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636		
34.00 A	348563	355418	362405	369530	376794	384202	391756	399459	407316	415329	423502	431839	440343	449019	457869	466897		
B	5.086	5.064	5.042	5.019	4.995	4.971	4.946	4.920	4.894	4.867	4.839	4.811	4.782	4.753	4.722	4.691		
34.25 A	347297	354142	361121	368237	375493	382893	390438	398134	405983	413989	422155	430485	438982	447651	456495	465518		
B	5.093	5.071	5.049	5.026	5.003	4.979	4.954	4.928	4.902	4.876	4.848	4.820	4.792	4.762	4.732	4.702		
34.50 A	346032	352869	359839	366947	374194	381585	389123	396811	404652	412651	420810	429133	437623	446286	455123	464140		
B	5.099	5.078	5.056	5.033	5.010	4.986	4.962	4.937	4.911	4.884	4.857	4.829	4.801	4.772	4.742	4.712		
34.75 A	344770	351598	358559	365658	372898	380280	387810	395490	403324	411315	419466	427782	436266	444922	453754	462765		
B	5.105	5.084	5.063	5.041	5.018	4.994	4.970	4.945	4.919	4.893	4.866	4.839	4.810	4.782	4.752	4.722		
35.00 A	343510	350329	357282	364372	371603	378977	386499	394171	401997	409981	418125	426434	434912	443561	452386	461391		
B	5.112	5.091	5.070	5.048	5.025	5.002	4.978	4.953	4.928	4.902	4.875	4.848	4.820	4.791	4.762	4.732		
35.25 A	342252	349062	356006	363088	370310	377677	385190	392854	400673	408649	416786	425088	433559	442202	451021	460020		
B	5.118	5.098	5.077	5.055	5.032	5.009	4.985	4.961	4.936	4.910	4.884	4.857	4.829	4.801	4.772	4.742		
35.50 A	340996	347797	354733	361806	369020	376378	383883	391540	399350	407319	415449	423744	432208	440844	449657	458650		
B	5.125	5.104	5.083	5.062	5.040	5.017	4.993	4.969	4.944	4.919	4.893	4.866	4.838	4.810	4.782	4.752		
35.75 A	339743	346535	353461	360526	367731	375081	382579	390227	398030	405991	414114	422402	430859	439489	448295	457282		
B	5.131	5.111	5.090	5.069	5.047	5.024	5.001	4.977	4.953	4.927	4.901	4.875	4.848	4.820	4.791	4.762		
36.00 A	338491	345275	352192	359248	366445	373787	381276	388917	396712	404666	412781	421062	429512	438136	446936	455917		
B	5.137	5.118	5.097	5.076	5.054	5.032	5.009	4.985	4.961	4.936	4.910	4.884	4.857	4.829	4.801	4.772		
36.25 A	337242	344016	350925	357973	365161	372494	379976	387608	395396	403342	411450	419724	428168	436784	445578	454553		
B	5.144	5.124	5.104	5.083	5.062	5.039	5.017	4.993	4.969	4.944	4.919	4.893	4.866	4.839	4.811	4.782		
36.50 A	335995	342760	349661	356699	363879	371204	378677	386302	394082	402021	410121	418388	426825	435435	444223	453192		
B	5.150	5.131	5.111	5.090	5.069	5.047	5.024	5.001	4.977	4.953	4.928	4.902	4.875	4.848	4.821	4.792		
36.75 A	334751	341507	348398	355428	362599	369916	377381	384998	392770	400701	408795	417055	425484	434088	442869	451832		
B	5.156	5.137	5.117	5.097	5.076	5.054	5.032	5.009	4.986	4.961	4.936	4.911	4.885	4.858	4.830	4.802		
37.00 A	333508	340255	347138	354159	361322	368630	376087	383696	391460	399384	407470	415723	424146	432743	441518	450475		
B	5.162	5.144	5.124	5.104	5.083	5.062	5.040	5.017	4.994	4.970	4.945	4.920	4.894	4.867	4.840	4.812		
37.25 A	332268	339006	345879	352892	360046	367346	374795	382396	390152	398068	406147	414393	422809	431400	440169	449119		
B	5.169	5.150	5.131	5.111	5.090	5.069	5.047	5.025	5.002	4.978	4.954	4.929	4.903	4.877	4.850	4.822		
37.50 A	331029	337758	344623	351627	358773	366064	373505	381098	388847	396755	404827	413065	421475	430059	438821	447766		
B	5.175	5.156	5.137	5.118	5.098	5.077	5.055	5.033	5.010	4.986	4.962	4.938	4.912	4.886	4.859	4.832		
37.75 A	329793	336513	343369	350364	357502	364785	372217	379802	387543	395444	403508	411740	420142	428720	437476	446414		
B	5.181	5.163	5.144	5.125	5.105	5.084	5.063	5.041	5.018	4.995	4.971	4.946	4.921	4.895	4.869	4.842		

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE												F=1/(A+DP*B)											
	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636								
38.00 A	328560	335271	342117	349104	356232	363507	370931	378508	386242	394135	402192	410416	418812	427383	436132	445065								
38.00 B	5.187	5.169	5.151	5.132	5.112	5.091	5.070	5.049	5.026	5.003	4.980	4.955	4.930	4.905	4.879	4.852								
38.25 A	327328	334030	340868	347845	354966	362232	369648	377217	384942	392828	400878	409095	417484	426048	434791	443717								
38.25 B	5.193	5.176	5.157	5.138	5.119	5.099	5.078	5.056	5.034	5.011	4.988	4.964	4.939	4.914	4.888	4.862								
38.50 A	326099	332791	339620	346589	353701	360959	368366	375927	383645	391523	399565	407775	416157	424715	433452	442372								
38.50 B	5.199	5.182	5.164	5.145	5.126	5.106	5.085	5.064	5.042	5.020	4.997	4.973	4.948	4.923	4.898	4.871								
38.75 A	324871	331555	338375	345335	352438	359688	367087	374640	382350	390220	398255	406458	414833	423384	432114	441029								
38.75 B	5.205	5.188	5.170	5.152	5.133	5.113	5.093	5.072	5.050	5.028	5.005	4.982	4.957	4.933	4.907	4.881								
39.00 A	323646	330321	337132	344083	351177	358419	365810	373355	381057	388920	396947	405143	413511	422055	430779	439687								
39.00 B	5.211	5.194	5.177	5.159	5.140	5.120	5.100	5.080	5.058	5.036	5.014	4.990	4.966	4.942	4.917	4.891								
39.25 A	322424	329089	335891	342833	349919	357152	364535	372071	379766	387621	395641	403830	412191	420728	429446	438348								
39.25 B	5.217	5.201	5.183	5.165	5.147	5.128	5.108	5.087	5.066	5.044	5.022	4.999	4.975	4.951	4.926	4.901								
39.50 A	321203	327859	334652	341586	348663	355887	363262	370790	378477	386324	394337	402518	410873	419403	428115	437011								
39.50 B	5.223	5.207	5.190	5.172	5.154	5.135	5.115	5.095	5.074	5.053	5.031	5.008	4.984	4.960	4.936	4.910								
39.75 A	319984	326632	333416	340340	347409	354624	361991	369511	377190	385030	393035	401209	409557	418081	426785	435675								
39.75 B	5.229	5.213	5.196	5.179	5.161	5.142	5.123	5.103	5.082	5.061	5.039	5.016	4.993	4.969	4.945	4.920								
40.00 A	318768	325406	332181	339097	346157	353364	360722	368235	375905	383737	391735	399902	408243	416760	425458	434342								
40.00 B	5.235	5.219	5.203	5.186	5.168	5.149	5.130	5.110	5.090	5.069	5.047	5.025	5.002	4.979	4.954	4.930								
40.25 A	317554	324183	330949	337856	344907	352106	359455	366960	374623	382447	390437	398597	406931	415441	424133	433011								
40.25 B	5.241	5.225	5.209	5.192	5.175	5.156	5.137	5.118	5.098	5.077	5.056	5.034	5.011	4.988	4.964	4.939								
40.50 A	316342	322962	329719	336617	343659	350850	358191	365687	373342	381159	389142	397294	405621	414125	422810	431681								
40.50 B	5.247	5.232	5.215	5.199	5.181	5.163	5.145	5.126	5.106	5.085	5.064	5.042	5.020	4.997	4.973	4.949								
40.75 A	315133	321743	328491	335380	342414	349596	356929	364417	372064	379873	387848	395994	404313	412810	421489	430354								
40.75 B	5.253	5.238	5.222	5.205	5.188	5.171	5.152	5.133	5.113	5.093	5.072	5.051	5.029	5.006	4.982	4.958								
41.00 A	313925	320526	327265	334146	341171	348344	355668	363148	370787	378589	386557	394695	403007	411498	420170	429029								
41.00 B	5.259	5.244	5.228	5.212	5.195	5.178	5.159	5.141	5.121	5.101	5.081	5.059	5.037	5.015	4.992	4.968								
41.25 A	312720	319312	326042	332913	339929	347094	354410	361882	369513	377307	385267	393398	401703	410187	418853	427706								
41.25 B	5.265	5.250	5.234	5.218	5.202	5.185	5.167	5.148	5.129	5.109	5.089	5.068	5.046	5.024	5.001	4.977								
41.50 A	311517	318100	324821	331683	338690	345846	353154	360618	368241	376027	383980	392104	400402	408879	417538	426385								
41.50 B	5.270	5.256	5.241	5.225	5.209	5.192	5.174	5.156	5.137	5.117	5.097	5.076	5.055	5.033	5.010	4.987								
41.75 A	310316	316890	323601	330455	337454	344601	351901	359356	366971	374749	382695	390811	399102	407572	416225	425066								
41.75 B	5.276	5.262	5.247	5.231	5.215	5.199	5.181	5.163	5.145	5.125	5.105	5.085	5.064	5.042	5.019	4.996								

		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
TEMP DEG C		606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636	
42.00	A	309118	315682	322385	329229	336219	343358	350649	358096	365703	373474	381412	389521	397805	406268	414915	423748	
	B	5.282	5.268	5.253	5.238	5.222	5.206	5.188	5.171	5.152	5.133	5.114	5.093	5.072	5.051	5.029	5.006	
42.25	A	307922	314476	321170	328005	334986	342117	349399	356838	364437	372200	380130	388232	396509	404966	413606	422433	
	B	5.288	5.274	5.259	5.244	5.229	5.212	5.196	5.178	5.160	5.141	5.122	5.102	5.081	5.060	5.038	5.015	
42.50	A	306727	313273	319957	326784	333756	340878	348152	355583	363174	370929	378851	386946	395216	403666	412299	421120	
	B	5.293	5.280	5.266	5.251	5.235	5.219	5.203	5.185	5.168	5.149	5.130	5.110	5.090	5.069	5.047	5.025	
42.75	A	305536	312072	318747	325564	332528	339641	346907	354329	361912	369659	377575	385662	393924	402367	410994	419809	
	B	5.299	5.286	5.272	5.257	5.242	5.226	5.210	5.193	5.175	5.157	5.138	5.118	5.098	5.077	5.056	5.034	
43.00	A	304346	310873	317539	324347	331302	338406	345664	353078	360653	368392	376300	384379	392635	401071	409692	418500	
	B	5.305	5.291	5.278	5.264	5.249	5.233	5.217	5.200	5.183	5.165	5.146	5.127	5.107	5.086	5.065	5.043	
43.25	A	303158	309676	316333	323132	330078	337174	344423	351829	359396	367127	375027	383099	391348	399777	408391	417194	
	B	5.310	5.297	5.284	5.270	5.255	5.240	5.224	5.207	5.190	5.173	5.154	5.135	5.115	5.095	5.074	5.053	
43.50	A	301973	308481	315129	321919	328856	335943	343184	350582	358140	365864	373756	381821	390063	398485	407092	415889	
	B	5.316	5.303	5.290	5.276	5.262	5.247	5.231	5.215	5.198	5.180	5.162	5.143	5.124	5.104	5.083	5.062	
43.75	A	300790	307289	313927	320709	327637	334715	341947	349337	356887	364603	372488	380545	388780	397195	405796	414586	
	B	5.321	5.309	5.296	5.283	5.268	5.254	5.238	5.222	5.205	5.188	5.170	5.152	5.132	5.113	5.092	5.071	
44.00	A	299609	306099	312728	319500	326419	333489	340712	348094	355636	363344	371221	379272	387499	395907	404501	413285	
	B	5.327	5.315	5.302	5.289	5.275	5.260	5.245	5.229	5.213	5.196	5.178	5.160	5.141	5.121	5.101	5.080	
44.25	A	298431	304911	311530	318294	325204	332265	339480	346853	354388	362088	369957	378000	386220	394622	403209	411986	
	B	5.332	5.321	5.308	5.295	5.281	5.267	5.252	5.237	5.220	5.204	5.186	5.168	5.149	5.130	5.110	5.090	
44.50	A	297254	303725	310335	317090	323991	331043	338250	345614	353141	360833	368695	376730	384943	393338	401919	410690	
	B	5.338	5.326	5.314	5.301	5.288	5.274	5.259	5.244	5.228	5.211	5.194	5.176	5.158	5.139	5.119	5.099	
44.75	A	296080	302541	309143	315888	322780	329824	337022	344378	351896	359581	367435	375463	383668	392056	400630	409395	
	B	5.343	5.332	5.320	5.307	5.294	5.280	5.266	5.251	5.235	5.219	5.202	5.184	5.166	5.148	5.128	5.108	
45.00	A	294908	301360	307952	314688	321572	328606	335796	343144	350654	358330	366177	374197	382396	390777	399344	408102	
	B	5.349	5.338	5.326	5.314	5.301	5.287	5.273	5.258	5.243	5.227	5.210	5.193	5.175	5.156	5.137	5.117	
45.25	A	293739	300181	306764	313491	320365	327391	334572	341911	349413	357082	364921	372934	381125	389499	398060	406812	
	B	5.354	5.343	5.332	5.320	5.307	5.294	5.280	5.265	5.250	5.234	5.218	5.201	5.183	5.165	5.146	5.126	
45.50	A	292571	299004	305577	312295	319161	326178	333350	340681	348175	355836	363667	371672	379857	388224	396778	405523	
	B	5.360	5.349	5.338	5.326	5.313	5.300	5.287	5.272	5.257	5.242	5.226	5.209	5.191	5.173	5.155	5.135	
45.75	A	291406	297829	304393	311102	317959	324967	332131	339453	346939	354592	362415	370413	378590	386950	395498	404237	
	B	5.365	5.355	5.344	5.332	5.320	5.307	5.293	5.279	5.265	5.249	5.233	5.217	5.200	5.182	5.164	5.145	

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP*B)$

DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C

606 608 610 612 614 616 618 620 622 624 626 628 630 632 634 636

46.00 A 290243 296657 303212 309911 316759 323758 330913 338228 345705 353350 361165 369156 377326 385679 394220 402952

B 5.370 5.360 5.349 5.338 5.326 5.313 5.300 5.286 5.272 5.257 5.241 5.225 5.208 5.190 5.172 5.154

46.25 A 289082 295487 302032 308722 315561 322552 329698 337004 344473 352110 359918 367901 376064 384410 392944 401670

B 5.376 5.366 5.355 5.344 5.332 5.320 5.307 5.293 5.279 5.264 5.249 5.233 5.216 5.199 5.181 5.163

46.50 A 287924 294318 300855 307536 314365 321347 328485 335783 343244 350872 358672 366648 374803 383143 391670 400390

B 5.381 5.371 5.361 5.350 5.339 5.327 5.314 5.300 5.287 5.272 5.257 5.241 5.225 5.208 5.190 5.172

46.75 A 286768 293153 299679 306351 313172 320145 327274 334563 342016 349637 357429 365397 373545 381877 390398 399111

B 5.386 5.377 5.367 5.356 5.345 5.333 5.321 5.307 5.294 5.279 5.264 5.249 5.233 5.216 5.199 5.181

47.00 A 285614 291989 298506 305169 311981 318945 326065 333346 340791 348403 356188 364149 372289 380614 389128 397835

B 5.391 5.382 5.372 5.362 5.351 5.339 5.327 5.314 5.301 5.287 5.272 5.257 5.241 5.224 5.207 5.190

47.25 A 284462 290828 297336 303989 310792 317747 324859 332131 339567 347172 354949 362902 371035 379353 387860 396561

B 5.397 5.388 5.378 5.368 5.357 5.346 5.334 5.321 5.308 5.294 5.280 5.265 5.249 5.233 5.216 5.199

47.50 A 283312 289669 296167 302811 309605 316551 323654 330918 338346 345943 353712 361657 369783 378095 386595 395289

B 5.402 5.393 5.384 5.374 5.363 5.352 5.341 5.328 5.315 5.302 5.288 5.273 5.257 5.241 5.225 5.207

47.75 A 282165 288512 295001 301636 308420 315358 322452 329707 337127 344716 352477 360415 368534 376838 385331 394019

B 5.407 5.399 5.390 5.380 5.370 5.359 5.347 5.335 5.322 5.309 5.295 5.281 5.265 5.250 5.233 5.216

48.00 A 281020 287357 293837 300462 307238 314166 321252 328499 335910 343491 351244 359175 367286 375583 384070 392751

B 5.412 5.404 5.395 5.386 5.376 5.365 5.354 5.342 5.330 5.316 5.303 5.288 5.274 5.258 5.242 5.225

48.25 A 279877 286205 292675 299291 306057 312977 320054 327292 334696 342268 350014 357936 366040 374330 382810 391485

B 5.417 5.409 5.401 5.392 5.382 5.371 5.360 5.349 5.337 5.324 5.310 5.296 5.282 5.266 5.250 5.234

48.50 A 278736 285054 291515 298122 304879 311790 318858 326088 333483 341047 348785 356700 364797 373080 381553 390221

B 5.422 5.415 5.406 5.397 5.388 5.378 5.367 5.356 5.344 5.331 5.318 5.304 5.290 5.275 5.259 5.243

48.75 A 277598 283906 290358 296955 303703 310605 317665 324886 332273 339829 347559 355466 363556 371831 380298 388959

B 5.428 5.420 5.412 5.403 5.394 5.384 5.374 5.362 5.351 5.338 5.325 5.312 5.298 5.283 5.268 5.252

49.00 A 276462 282761 289202 295791 302530 309423 316473 323686 331064 338612 346334 354234 362316 370585 379044 387699

B 5.433 5.425 5.417 5.409 5.400 5.390 5.380 5.369 5.358 5.346 5.333 5.320 5.306 5.291 5.276 5.260

49.25 A 275328 281617 288049 294629 301358 308242 315284 322488 329858 337398 345112 353004 361079 369341 377793 386441

B 5.438 5.431 5.423 5.415 5.406 5.397 5.387 5.376 5.365 5.353 5.340 5.327 5.314 5.299 5.285 5.269

49.50 A 274197 280476 286899 293468 300189 307064 314097 321292 328654 336186 343892 351777 359844 368098 376544 385186

B 5.443 5.436 5.428 5.421 5.412 5.403 5.393 5.383 5.372 5.360 5.348 5.335 5.322 5.308 5.293 5.278

49.75 A 273067 279337 285750 292310 299022 305888 312912 320099 327452 334976 342674 350551 358611 366858 375297 383932

B 5.448 5.441 5.434 5.426 5.418 5.409 5.399 5.389 5.379 5.367 5.355 5.343 5.330 5.316 5.301 5.286

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C															F=1/(A+DP*B)	
	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636	
50.00 A	271940	278200	284604	291155	297857	304714	311729	318908	326252	333768	341458	349328	357380	365620	374052	382681	
50.00 B	5.453	5.446	5.439	5.432	5.424	5.415	5.406	5.396	5.385	5.374	5.363	5.350	5.337	5.324	5.310	5.295	
50.25 A	270816	277066	283460	290001	296694	303542	310549	317718	325055	332562	340245	348106	356151	364384	372809	381431	
50.25 B	5.457	5.451	5.445	5.438	5.430	5.421	5.412	5.403	5.392	5.382	5.370	5.358	5.345	5.332	5.318	5.304	
50.50 A	269693	275933	282318	288850	295534	302372	309370	316531	323859	331359	339033	346887	354925	363150	371569	380184	
50.50 B	5.462	5.457	5.450	5.443	5.436	5.427	5.419	5.409	5.399	5.389	5.377	5.366	5.353	5.340	5.327	5.312	
50.75 A	268573	274803	281178	287701	294375	301205	308194	315347	322666	330157	337824	345670	353700	361918	370330	378939	
50.75 B	5.467	5.462	5.456	5.449	5.441	5.434	5.425	5.416	5.406	5.396	5.385	5.373	5.361	5.348	5.335	5.321	
51.00 A	267455	273675	280041	286554	293219	300040	307020	314164	321475	328958	336616	344455	352477	360689	369093	377695	
51.00 B	5.472	5.467	5.461	5.454	5.447	5.440	5.431	5.422	5.413	5.403	5.392	5.381	5.369	5.356	5.343	5.330	
51.25 A	266339	272550	278906	285409	292065	298877	305848	312983	320286	327761	335411	343242	351257	359461	367859	376454	
51.25 B	5.477	5.472	5.466	5.460	5.453	5.446	5.438	5.429	5.420	5.410	5.399	5.388	5.377	5.364	5.352	5.338	
51.50 A	265225	271427	277773	284267	290914	297716	304679	311805	319099	326565	334208	342031	350039	358236	366626	375215	
51.50 B	5.482	5.477	5.472	5.465	5.459	5.452	5.444	5.435	5.426	5.417	5.407	5.396	5.384	5.372	5.360	5.347	
51.75 A	264114	270306	276642	283127	289764	296557	303511	310629	317915	325373	333007	340822	348822	357012	365396	373978	
51.75 B	5.487	5.482	5.477	5.471	5.465	5.458	5.450	5.442	5.433	5.424	5.414	5.403	5.392	5.380	5.368	5.355	
52.00 A	263005	269187	275513	281989	288617	295401	302346	309455	316732	324182	331808	339616	347608	355791	364168	372743	
52.00 B	5.491	5.487	5.482	5.476	5.470	5.464	5.456	5.448	5.440	5.431	5.421	5.411	5.400	5.388	5.376	5.364	
52.25 A	261898	268070	274387	280853	287472	294247	301183	308283	315552	322993	330612	338411	346396	354572	362941	371510	
52.25 B	5.496	5.492	5.487	5.482	5.476	5.470	5.463	5.455	5.447	5.438	5.428	5.418	5.408	5.396	5.384	5.372	
52.50 A	260794	266956	273263	279719	286329	293095	300022	307113	314373	321807	329417	337209	345187	353355	361717	370279	
52.50 B	5.501	5.497	5.492	5.487	5.482	5.476	5.469	5.461	5.453	5.445	5.435	5.426	5.415	5.404	5.393	5.380	
52.75 A	259692	265844	272141	278588	285188	291945	298863	305946	313197	320622	328225	336009	343979	352139	360495	369051	
52.75 B	5.505	5.502	5.498	5.493	5.487	5.481	5.475	5.468	5.460	5.452	5.443	5.433	5.423	5.412	5.401	5.389	
53.00 A	258592	264734	271022	277459	284050	290797	297706	304780	312023	319440	327034	334811	342773	350927	359275	367824	
53.00 B	5.510	5.507	5.503	5.498	5.493	5.487	5.481	5.474	5.467	5.458	5.450	5.440	5.430	5.420	5.409	5.397	
53.25 A	257494	263626	269905	276332	282913	289652	296552	303617	310852	318260	325846	333615	341570	349716	358057	366599	
53.25 B	5.515	5.512	5.508	5.504	5.499	5.493	5.487	5.480	5.473	5.465	5.457	5.448	5.438	5.428	5.417	5.406	
53.50 A	256399	262521	268789	275208	281779	288509	295400	302456	309682	317082	324660	332421	340368	348507	356842	365377	
53.50 B	5.519	5.516	5.513	5.509	5.504	5.499	5.493	5.487	5.480	5.472	5.464	5.455	5.446	5.436	5.425	5.414	
53.75 A	255306	261418	267677	274085	280648	287368	294250	301297	308515	315906	323476	331229	339169	347300	355628	364156	
53.75 B	5.524	5.521	5.518	5.514	5.510	5.505	5.499	5.493	5.486	5.479	5.471	5.462	5.453	5.443	5.433	5.422	

TEMP DEG C		COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE												F=1/(A+DP*B)											
		606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636								
54.00	A	254215	260317	266566	272965	279518	286229	293102	300141	307350	314733	322295	330039	337972	346096	354416	362938								
	B	5.528	5.526	5.523	5.520	5.515	5.511	5.505	5.499	5.493	5.486	5.478	5.470	5.461	5.451	5.441	5.430								
54.25	A	253126	259219	265458	271847	278391	285092	291956	298986	306186	313561	321115	328852	336777	344893	353207	361722								
	B	5.533	5.531	5.528	5.525	5.521	5.516	5.511	5.506	5.499	5.492	5.485	5.477	5.468	5.459	5.449	5.439								
54.50	A	252040	258123	264352	270731	277266	283958	290813	297834	305026	312392	319938	327667	335584	343693	352000	360508								
	B	5.538	5.536	5.533	5.530	5.526	5.522	5.517	5.512	5.506	5.499	5.492	5.484	5.476	5.467	5.457	5.447								
54.75	A	250956	257029	263248	269618	276143	282826	289671	296684	303867	311225	318762	326484	334393	342495	350794	359296								
	B	5.542	5.540	5.538	5.535	5.532	5.528	5.523	5.518	5.512	5.506	5.499	5.491	5.483	5.474	5.465	5.455								
55.00	A	249874	255937	262146	268507	275022	281696	288532	295536	302710	310060	317589	325302	333204	341299	349591	358086								
	B	5.547	5.545	5.543	5.540	5.537	5.533	5.529	5.524	5.519	5.512	5.506	5.498	5.490	5.482	5.473	5.463								
55.25	A	248795	254847	261047	267398	273903	280568	287396	294390	301556	308897	316418	324124	332018	340105	348390	356878								
	B	5.551	5.550	5.548	5.546	5.543	5.539	5.535	5.530	5.525	5.519	5.513	5.506	5.498	5.490	5.481	5.471								
55.50	A	247718	253760	259950	266291	272787	279443	286261	293247	300404	307736	315249	322947	330833	338913	347191	355672								
	B	5.555	5.554	5.553	5.551	5.548	5.545	5.541	5.536	5.531	5.526	5.519	5.513	5.505	5.497	5.489	5.480								
55.75	A	246643	252675	258855	265187	271673	278319	285128	292105	299254	306578	314083	321772	329651	337723	345994	354468								
	B	5.560	5.559	5.558	5.556	5.553	5.550	5.547	5.542	5.538	5.532	5.526	5.520	5.513	5.505	5.497	5.488								
56.00	A	245570	251593	257763	264084	270561	277198	283998	290966	298106	305422	312918	320600	328470	336535	344799	353266								
	B	5.564	5.564	5.563	5.561	5.559	5.556	5.553	5.549	5.544	5.539	5.533	5.527	5.520	5.512	5.504	5.496								
56.25	A	244500	250512	256672	262984	269452	276079	282870	289829	296960	304267	311756	319429	327292	335350	343607	352067								
	B	5.568	5.568	5.567	5.566	5.564	5.561	5.558	5.555	5.550	5.545	5.540	5.534	5.527	5.520	5.512	5.504								
56.50	A	243432	249434	255584	261887	268345	274962	281744	288694	295817	303115	310595	318261	326116	334167	342416	350869								
	B	5.573	5.573	5.572	5.571	5.569	5.567	5.564	5.561	5.557	5.552	5.547	5.541	5.534	5.528	5.520	5.512								
56.75	A	242366	248358	254499	260791	267239	273848	280621	287562	294675	301966	309437	317095	324943	332985	341227	349674								
	B	5.577	5.577	5.577	5.576	5.575	5.573	5.570	5.567	5.563	5.558	5.553	5.548	5.542	5.535	5.528	5.520								
57.00	A	241303	247285	253415	259698	266137	272736	279499	286431	293536	300818	308281	315931	323771	331806	340041	348481								
	B	5.581	5.582	5.582	5.581	5.580	5.578	5.576	5.573	5.569	5.565	5.560	5.555	5.549	5.542	5.535	5.528								
57.25	A	240241	246213	252334	258607	265036	271626	278380	285303	292399	299672	307128	314769	322601	330629	338857	347290								
	B	5.586	5.586	5.587	5.586	5.585	5.583	5.581	5.579	5.575	5.571	5.567	5.562	5.556	5.550	5.543	5.536								
57.50	A	239183	245144	251255	257518	263938	270518	277263	284177	291264	298529	305976	313609	321434	329454	337675	346101								
	B	5.590	5.591	5.591	5.591	5.590	5.589	5.587	5.585	5.581	5.578	5.574	5.569	5.563	5.557	5.551	5.544								
57.75	A	238126	244078	250178	256431	262841	269412	276148	283053	290132	297388	304826	312452	320268	328281	336495	344914								
	B	5.594	5.595	5.596	5.596	5.595	5.594	5.593	5.590	5.588	5.584	5.580	5.576	5.570	5.565	5.558	5.552								

TEMP DEG C	COMPRESSIBILITY FACTOR PER KILOPASCAL DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE															F=1/(A+DP*B)	
	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636	
58.00 A	237072	243013	249104	255347	261747	268309	275035	281931	289001	296249	303679	311296	319105	327110	335317	343729	
58.00 B	5.598	5.600	5.601	5.601	5.601	5.600	5.598	5.596	5.594	5.591	5.587	5.583	5.578	5.572	5.566	5.559	
58.25 A	236020	241951	248031	254265	260656	267208	273925	280812	287873	295112	302534	310143	317944	325942	334141	342546	
58.25 B	5.602	5.604	5.605	5.606	5.606	5.605	5.604	5.602	5.600	5.597	5.593	5.589	5.585	5.579	5.574	5.567	
58.50 A	234970	240891	246962	253185	259566	266109	272817	279695	286747	293977	301391	308992	316785	324775	332967	341365	
58.50 B	5.606	5.608	5.610	5.611	5.611	5.610	5.610	5.608	5.606	5.603	5.600	5.596	5.592	5.587	5.581	5.575	
58.75 A	233923	239833	245894	252108	258479	265012	271711	278580	285623	292845	300250	307843	315629	323611	331795	340187	
58.75 B	5.611	5.613	5.614	5.615	5.616	5.616	5.615	5.614	5.612	5.610	5.607	5.603	5.599	5.594	5.589	5.583	
59.00 A	232878	238778	244828	251032	257394	263918	270607	277467	284501	291715	299111	306696	314474	322449	330626	339010	
59.00 B	5.615	5.617	5.619	5.620	5.621	5.621	5.621	5.620	5.618	5.616	5.613	5.610	5.606	5.601	5.596	5.591	
59.25 A	231835	237725	243765	249959	256311	262825	269506	276356	283382	290586	297975	305552	313321	321289	329459	337836	
59.25 B	5.619	5.621	5.623	5.625	5.626	5.626	5.626	5.625	5.624	5.622	5.620	5.617	5.613	5.609	5.604	5.599	
59.50 A	230794	236674	242705	248889	255231	261735	268406	275248	282264	289461	296841	304409	312171	320131	328293	336664	
59.50 B	5.623	5.626	5.628	5.630	5.631	5.632	5.632	5.631	5.630	5.628	5.626	5.623	5.620	5.616	5.611	5.606	
59.75 A	229756	235626	241646	247820	254153	260648	267309	274142	281149	288337	295708	303269	311023	318975	327130	335493	
59.75 B	5.627	5.630	5.632	5.634	5.636	5.637	5.637	5.637	5.636	5.635	5.633	5.630	5.627	5.623	5.619	5.614	
60.00 A	228720	234580	240590	246754	253077	259562	266214	273038	280036	287215	294578	302131	309877	317821	325969	334325	
60.00 B	5.631	5.634	5.637	5.639	5.641	5.642	5.643	5.642	5.642	5.641	5.639	5.637	5.634	5.630	5.626	5.622	

COMPRESSION FACTOR PER KILOPASCAL F=1/(A+DP*B)
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP	631
DEG C	
-46.00	A 1010560
	B 0.115
-45.75	A 1008563
	B 0.133
-45.50	A 1006598
	B 0.151
-45.25	A 1004634
	B 0.169
-45.00	A 1002672
	B 0.187
-44.75	A 1000712
	B 0.205
-44.50	A 998753
	B 0.223
-44.25	A 996796
	B 0.241
-44.00	A 994841
	B 0.259
-43.75	A 992887
	B 0.277
-43.50	A 990936
	B 0.295
-43.25	A 988985
	B 0.313
-43.00	A 987037
	B 0.331
-42.75	A 985090
	B 0.349
-42.50	A 983144
	B 0.367
-42.25	A 981201
	B 0.384

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP*B)$
 DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP	637		
DEG C			
-42.00	A	979259	
	B	0.402	
-41.75	A	977319	
	B	0.420	
-41.50	A	975380	
	B	0.438	
-41.25	A	973443	
	B	0.455	
-41.00	A	971508	
	B	0.473	
-40.75	A	969575	
	B	0.491	
-40.50	A	967643	
	B	0.508	
-40.25	A	965713	
	B	0.526	
-40.00	A	963784	
	B	0.544	
-39.75	A	961857	
	B	0.561	
-39.50	A	959932	
	B	0.579	
-39.25	A	958009	
	B	0.596	
-39.00	A	956087	
	B	0.614	
-38.75	A	954167	
	B	0.631	
-38.50	A	952249	
	B	0.649	
-38.25	A	950332	
	B	0.666	

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP*B)$
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP	637		
DEG C			
-38.00	A	948417	
	B	0.683	
-37.75	A	946504	
	B	0.701	
-37.50	A	944592	
	B	0.718	
-37.25	A	942682	
	B	0.735	
-37.00	A	940774	
	B	0.753	
-36.75	A	938867	
	B	0.770	
-36.50	A	936963	
	B	0.787	
-36.25	A	935059	
	B	0.804	
-36.00	A	933158	
	B	0.822	
-35.75	A	931258	
	B	0.839	
-35.50	A	929360	
	B	0.856	
-35.25	A	927464	
	B	0.873	
-35.00	A	925569	
	B	0.890	
-34.75	A	923676	
	B	0.907	
-34.50	A	921785	
	B	0.924	
-34.25	A	919896	
	B	0.941	

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP*B)$
 DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP	637	
DEG C		
-34.00	A	918008
	B	0.958
-33.75	A	916122
	B	0.975
-33.50	A	914237
	B	0.992
-33.25	A	912355
	B	1.009
-33.00	A	910474
	B	1.026
-32.75	A	908595
	B	1.043
-32.50	A	906717
	B	1.060
-32.25	A	904841
	B	1.077
-32.00	A	902967
	B	1.093
-31.75	A	901095
	B	1.110
-31.50	A	899224
	B	1.127
-31.25	A	897355
	B	1.144
-31.00	A	895488
	B	1.160
-30.75	A	893623
	B	1.177
-30.50	A	891759
	B	1.194
-30.25	A	889897
	B	1.210

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP \cdot B)$
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP	637
DEG C	
-30.00 A	888036
B	1.227
-29.75 A	886178
B	1.244
-29.50 A	884321
B	1.260
-29.25 A	882466
B	1.277
-29.00 A	880612
B	1.293
-28.75 A	878761
B	1.310
-28.50 A	876911
B	1.326
-28.25 A	875062
B	1.343
-28.00 A	873216
B	1.359
-27.75 A	871371
B	1.375
-27.50 A	869528
B	1.392
-27.25 A	867687
B	1.408
-27.00 A	865847
B	1.425
-26.75 A	864009
B	1.441
-26.50 A	862173
B	1.457
-26.25 A	860339
B	1.473

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP*B)$
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP	637
DEG C	
-26.00 A	858506
B	1.490
-25.75 A	856676
B	1.506
-25.50 A	854846
B	1.522
-25.25 A	853019
B	1.538
-25.00 A	851193
B	1.554
-24.75 A	849370
B	1.570
-24.50 A	847547
B	1.586
-24.25 A	845727
B	1.602
-24.00 A	843908
B	1.618
-23.75 A	842092
B	1.634
-23.50 A	840276
B	1.650
-23.25 A	838463
B	1.666
-23.00 A	836651
B	1.682
-22.75 A	834842
B	1.698
-22.50 A	833033
B	1.714
-22.25 A	831227
B	1.730

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP*B)$
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP	637		
DEG C			
-22.00	A	829422	
	B	1.746	
-21.75	A	827620	
	B	1.762	
-21.50	A	825819	
	B	1.777	
-21.25	A	824019	
	B	1.793	
-21.00	A	822222	
	B	1.809	
-20.75	A	820426	
	B	1.825	
-20.50	A	818632	
	B	1.840	
-20.25	A	816840	
	B	1.856	
-20.00	A	815049	
	B	1.872	
-19.75	A	813260	
	B	1.887	
-19.50	A	811473	
	B	1.903	
-19.25	A	809688	
	B	1.918	
-19.00	A	807905	
	B	1.934	
-18.75	A	806123	
	B	1.949	
-18.50	A	804343	
	B	1.965	
-18.25	A	802565	
	B	1.980	

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP \cdot B)$
 DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	637
-18.00 A	800789
B	1.996
-17.75 A	799014
B	2.011
-17.50 A	797241
B	2.027
-17.25 A	795470
B	2.042
-17.00 A	793701
B	2.057
-16.75 A	791934
B	2.073
-16.50 A	790168
B	2.088
-16.25 A	788404
B	2.103
-16.00 A	786642
B	2.118
-15.75 A	784882
B	2.134
-15.50 A	783123
B	2.149
-15.25 A	781367
B	2.164
-15.00 A	779612
B	2.179
-14.75 A	777858
B	2.194
-14.50 A	776107
B	2.209
-14.25 A	774357
B	2.224

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP*B)$
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	637	
-14.00 A	772610	
B	2.239	
-13.75 A	770864	
B	2.254	
-13.50 A	769119	
B	2.269	
-13.25 A	767377	
B	2.284	
-13.00 A	765636	
B	2.299	
-12.75 A	763898	
B	2.314	
-12.50 A	762161	
B	2.329	
-12.25 A	760425	
B	2.344	
-12.00 A	758692	
B	2.359	
-11.75 A	756960	
B	2.374	
-11.50 A	755230	
B	2.389	
-11.25 A	753502	
B	2.403	
-11.00 A	751776	
B	2.418	
-10.75 A	750052	
B	2.433	
-10.50 A	748329	
B	2.448	
-10.25 A	746608	
B	2.462	

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP*B)$
 DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP	637
DEG C	
-10.00 A	744889
B	2.477
-9.75 A	743172
B	2.492
-9.50 A	741457
B	2.506
-9.25 A	739743
B	2.521
-9.00 A	738032
B	2.535
-8.75 A	736322
B	2.550
-8.50 A	734613
B	2.564
-8.25 A	732907
B	2.579
-8.00 A	731203
B	2.593
-7.75 A	729500
B	2.608
-7.50 A	727799
B	2.622
-7.25 A	726100
B	2.636
-7.00 A	724403
B	2.651
-6.75 A	722708
B	2.665
-6.50 A	721014
B	2.680
-6.25 A	719322
B	2.694

COMPRESSION FACTOR PER KILOPASCAL F=1/(A+DP*B)
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP	637	
DEG C		
-6.00	A	717632
	B	2.708
-5.75	A	715944
	B	2.722
-5.50	A	714258
	B	2.737
-5.25	A	712573
	B	2.751
-5.00	A	710891
	B	2.765
-4.75	A	709210
	B	2.779
-4.50	A	707531
	B	2.793
-4.25	A	705854
	B	2.807
-4.00	A	704179
	B	2.821
-3.75	A	702505
	B	2.835
-3.50	A	700834
	B	2.849
-3.25	A	699164
	B	2.863
-3.00	A	697496
	B	2.877
-2.75	A	695830
	B	2.891
-2.50	A	694166
	B	2.905
-2.25	A	692503
	B	2.919

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP*B)$
 DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP	637	
DEG C		
-2.00 A	690843	
B	2.933	
-1.75 A	689184	
B	2.947	
-1.50 A	687527	
B	2.961	
-1.25 A	685872	
B	2.974	
-1.00 A	684219	
B	2.988	
-0.75 A	682567	
B	3.002	
-0.50 A	680918	
B	3.016	
-0.25 A	679270	
B	3.029	
0.00 A	677624	
B	3.043	
0.25 A	675980	
B	3.057	
0.50 A	674338	
B	3.070	
0.75 A	672698	
B	3.084	
1.00 A	671060	
B	3.098	
1.25 A	669423	
B	3.111	
1.50 A	667789	
B	3.125	
1.75 A	666156	
B	3.138	

Committee Preview only - Not For Redistribution

COMPRESSION FACTOR PER KILOPASCAL F=1/(A+DP*B)
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	637	
2.00 A	664525	
B	3.152	
2.25 A	662896	
B	3.165	
2.50 A	661268	
B	3.179	
2.75 A	659643	
B	3.192	
3.00 A	658019	
B	3.205	
3.25 A	656398	
B	3.219	
3.50 A	654778	
B	3.232	
3.75 A	653160	
B	3.245	
4.00 A	651544	
B	3.259	
4.25 A	649930	
B	3.272	
4.50 A	648318	
B	3.285	
4.75 A	646707	
B	3.298	
5.00 A	645098	
B	3.312	
5.25 A	643492	
B	3.325	
5.50 A	641887	
B	3.338	
5.75 A	640284	
B	3.351	

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP*B)$
 DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	637
6.00 A	638683
B	3.364
6.25 A	637084
B	3.377
6.50 A	635486
B	3.390
6.75 A	633891
B	3.403
7.00 A	632297
B	3.416
7.25 A	630706
B	3.429
7.50 A	629116
B	3.442
7.75 A	627528
B	3.455
8.00 A	625942
B	3.468
8.25 A	624358
B	3.481
8.50 A	622775
B	3.494
8.75 A	621195
B	3.506
9.00 A	619616
B	3.519
9.25 A	618040
B	3.532
9.50 A	616465
B	3.545
9.75 A	614892
B	3.558

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP*B)$
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	637
10.00 A	613321
B	3.570
10.25 A	611752
B	3.583
10.50 A	610185
B	3.596
10.75 A	608620
B	3.608
11.00 A	607057
B	3.621
11.25 A	605495
B	3.633
11.50 A	603935
B	3.646
11.75 A	602378
B	3.658
12.00 A	600822
B	3.671
12.25 A	599268
B	3.683
12.50 A	597716
B	3.696
12.75 A	596166
B	3.708
13.00 A	594618
B	3.721
13.25 A	593072
B	3.733
13.50 A	591527
B	3.745
13.75 A	589985
B	3.758

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP \cdot B)$
 DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	637
14.00 A	588444
B	3.770
14.25 A	586906
B	3.782
14.50 A	585369
B	3.795
14.75 A	583834
B	3.807
15.00 A	582301
B	3.819
15.25 A	580771
B	3.831
15.50 A	579241
B	3.843
15.75 A	577714
B	3.856
16.00 A	576189
B	3.868
16.25 A	574666
B	3.880
16.50 A	573144
B	3.892
16.75 A	571625
B	3.904
17.00 A	570107
B	3.916
17.25 A	568592
B	3.928
17.50 A	567078
B	3.940
17.75 A	565566
B	3.952

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP*B)$
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP	637
DEG C	
18.00 A	564057
B	3.964
18.25 A	562549
B	3.976
18.50 A	561043
B	3.988
18.75 A	559539
B	3.999
19.00 A	558036
B	4.011
19.25 A	556536
B	4.023
19.50 A	555038
B	4.035
19.75 A	553542
B	4.046
20.00 A	552047
B	4.058
20.25 A	550555
B	4.070
20.50 A	549064
B	4.082
20.75 A	547576
B	4.093
21.00 A	546089
B	4.105
21.25 A	544604
B	4.116
21.50 A	543122
B	4.128
21.75 A	541641
B	4.140

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP*B)$
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP	637
DEG C	
22.00	A 540162
	B 4.151
22.25	A 538685
	B 4.163
22.50	A 537210
	B 4.174
22.75	A 535737
	B 4.186
23.00	A 534266
	B 4.197
23.25	A 532797
	B 4.208
23.50	A 531329
	B 4.220
23.75	A 529864
	B 4.231
24.00	A 528401
	B 4.242
24.25	A 526939
	B 4.254
24.50	A 525480
	B 4.265
24.75	A 524023
	B 4.276
25.00	A 522567
	B 4.288
25.25	A 521113
	B 4.299
25.50	A 519662
	B 4.310
25.75	A 518212
	B 4.321

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP \times B)$
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP	637			
DEG C				
26.00	A	516765		
	B	4.332		
26.25	A	515319		
	B	4.343		
26.50	A	513875		
	B	4.354		
26.75	A	512433		
	B	4.366		
27.00	A	510994		
	B	4.377		
27.25	A	509556		
	B	4.388		
27.50	A	508120		
	B	4.399		
27.75	A	506686		
	B	4.410		
28.00	A	505254		
	B	4.420		
28.25	A	503824		
	B	4.431		
28.50	A	502396		
	B	4.442		
28.75	A	500970		
	B	4.453		
29.00	A	499546		
	B	4.464		
29.25	A	498124		
	B	4.475		
29.50	A	496704		
	B	4.486		
29.75	A	495285		
	B	4.496		

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP*B)$
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C	637
30.00 A	493869
B	4.507
30.25 A	492455
B	4.518
30.50 A	491043
B	4.529
30.75 A	489633
B	4.539
31.00 A	488224
B	4.550
31.25 A	486818
B	4.560
31.50 A	485414
B	4.571
31.75 A	484011
B	4.582
32.00 A	482611
B	4.592
32.25 A	481213
B	4.603
32.50 A	479816
B	4.613
32.75 A	478422
B	4.624
33.00 A	477030
B	4.634
33.25 A	475639
B	4.645
33.50 A	474251
B	4.655
33.75 A	472864
B	4.665

COMPRESSION FACTOR PER KILOPASCAL F=1/(A+DP*B)
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP	637			
DEG C				
34.00	A	471480		
	B	4.676		
34.25	A	470098		
	B	4.686		
34.50	A	468717		
	B	4.696		
34.75	A	467339		
	B	4.707		
35.00	A	465962		
	B	4.717		
35.25	A	464588		
	B	4.727		
35.50	A	463215		
	B	4.737		
35.75	A	461845		
	B	4.748		
36.00	A	460476		
	B	4.758		
36.25	A	459110		
	B	4.768		
36.50	A	457746		
	B	4.778		
36.75	A	456383		
	B	4.788		
37.00	A	455023		
	B	4.798		
37.25	A	453664		
	B	4.808		
37.50	A	452308		
	B	4.818		
37.75	A	450954		
	B	4.828		

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP*B)$
 DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP	637
DEG C	
38.00 A	449601
B	4.838
38.25 A	448251
B	4.848
38.50 A	446902
B	4.858
38.75 A	445556
B	4.868
39.00 A	444212
B	4.878
39.25 A	442869
B	4.888
39.50 A	441529
B	4.897
39.75 A	440191
B	4.907
40.00 A	438854
B	4.917
40.25 A	437520
B	4.927
40.50 A	436188
B	4.936
40.75 A	434858
B	4.946
41.00 A	433530
B	4.956
41.25 A	432203
B	4.965
41.50 A	430879
B	4.975
41.75 A	429557
B	4.985

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP*B)$
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP	637
DEG C	
42.00 A	428237
B	4.994
42.25 A	426919
B	5.004
42.50 A	425603
B	5.013
42.75 A	424289
B	5.023
43.00 A	422977
B	5.032
43.25 A	421667
B	5.042
43.50 A	420359
B	5.051
43.75 A	419053
B	5.060
44.00 A	417749
B	5.070
44.25 A	416447
B	5.079
44.50 A	415148
B	5.089
44.75 A	413850
B	5.098
45.00 A	412554
B	5.107
45.25 A	411261
B	5.116
45.50 A	409969
B	5.126
45.75 A	408679
B	5.135

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP*B)$
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP DEG C		637
46.00	A	407392
	B	5.144
46.25	A	406106
	B	5.153
46.50	A	404823
	B	5.162
46.75	A	403542
	B	5.171
47.00	A	402262
	B	5.180
47.25	A	400985
	B	5.190
47.50	A	399710
	B	5.199
47.75	A	398436
	B	5.208
48.00	A	397165
	B	5.217
48.25	A	395896
	B	5.226
48.50	A	394629
	B	5.234
48.75	A	393364
	B	5.243
49.00	A	392101
	B	5.252
49.25	A	390840
	B	5.261
49.50	A	389582
	B	5.270
49.75	A	388325
	B	5.279

API Standard 600
MMS-11-2-24-81
0070063 5

COMPRESSION FACTOR PER KILOPASCAL F=1/(A+DP*B)
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP	637
DEG C	
50.00 A	387070
B	5.288
50.25 A	385817
B	5.296
50.50 A	384567
B	5.305
50.75 A	383318
B	5.314
51.00 A	382072
B	5.322
51.25 A	380827
B	5.331
51.50 A	379585
B	5.340
51.75 A	378345
B	5.348
52.00 A	377107
B	5.357
52.25 A	375871
B	5.366
52.50 A	374637
B	5.374
52.75 A	373405
B	5.383
53.00 A	372175
B	5.391
53.25 A	370947
B	5.400
53.50 A	369721
B	5.408
53.75 A	368497
B	5.416

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP*B)$
 DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP	637	
DEG C		
54.00	A	367276
	B	5.425
54.25	A	366056
	B	5.433
54.50	A	364839
	B	5.442
54.75	A	363624
	B	5.450
55.00	A	362410
	B	5.458
55.25	A	361199
	B	5.467
55.50	A	359990
	B	5.475
55.75	A	358783
	B	5.483
56.00	A	357578
	B	5.491
56.25	A	356375
	B	5.499
56.50	A	355174
	B	5.508
56.75	A	353976
	B	5.516
57.00	A	352779
	B	5.524
57.25	A	351584
	B	5.532
57.50	A	350392
	B	5.540
57.75	A	349202
	B	5.548

COMPRESSION FACTOR PER KILOPASCAL $F=1/(A+DP*B)$
DENSITY AT 15 DEGREES C KILOGRAM PER CUBIC METRE

TEMP	637		
DEG C			
58.00	A	348014	
	B	5.556	
58.25	A	346827	
	B	5.564	
58.50	A	345643	
	B	5.572	
58.75	A	344461	
	B	5.580	
59.00	A	343282	
	B	5.588	
59.25	A	342104	
	B	5.596	
59.50	A	340928	
	B	5.603	
59.75	A	339755	
	B	5.611	
60.00	A	338583	
	B	5.619	