

Appendix I. Experimental values of pressure p/MPa , density $\rho/\text{kg}\cdot\text{m}^{-3}$, temperature T/K , calculated values of isothermal compressibility $k_T\cdot 10^6/\text{MPa}^{-1}$, isobaric thermal expansibility $\alpha_p\cdot 10^6/\text{K}^{-1}$, difference in isobaric and isochoric heat capacities $(c_p-c_v)/\text{Jkg}^{-1}\text{K}^{-1}$, thermal pressure coefficient γ/MPaK^{-1} and internal pressure $p_{\text{int}}/\text{MPa}$ of Standard Seawater.

p/MPa	$\rho/\text{kg}\cdot\text{m}^{-3}$	T/K	$k_T\cdot 10^6/\text{MPa}^{-1}$	$\alpha_p\cdot 10^6/\text{K}^{-1}$	$(c_p-c_v)/\text{Jkg}^{-1}\text{K}^{-1}$	γ/MPaK^{-1}	$p_{\text{int}}/\text{MPa}$
0.705	1028.45	273.18	455.3	83.8	4.1	0.1842	49.6
4.987	1030.56	273.16	449.5	91.7	5.0	0.2040	50.7
9.776	1032.78	273.16	443.5	100.2	6.0	0.2260	51.9
19.991	1037.48	273.16	431.3	118.4	8.6	0.2745	55.0
30.000	1041.97	273.16	420.4	136.0	11.5	0.3236	58.4
40.000	1046.35	273.17	410.3	153.6	15.0	0.3744	62.3
49.958	1050.61	273.18	401.0	171.0	19.0	0.4264	66.5
59.987	1054.82	273.19	392.3	188.5	23.5	0.4805	71.3
69.961	1058.95	273.19	384.3	206.0	28.5	0.5360	76.5
79.983	1063.02	273.19	376.9	223.6	34.1	0.5934	82.1
89.998	1067.00	273.19	369.9	241.3	40.3	0.6523	88.2
99.910	1070.80	273.20	363.7	258.7	46.9	0.7112	94.4
109.904	1074.80	273.15	357.6	277.1	54.6	0.7750	101.8
119.964	1078.62	273.13	352.1	295.5	62.8	0.8393	109.3
129.856	1082.15	273.14	347.2	313.1	71.3	0.9018	116.5
138.814	1085.31	273.14	343.1	329.3	79.5	0.9597	123.3
1.288	1028.38	278.18	445.7	135.2	11.1	0.3033	83.1
5.121	1030.09	278.18	440.9	140.8	12.1	0.3193	83.7
10.118	1032.37	278.17	434.7	148.2	13.6	0.3410	84.7
20.149	1036.85	278.15	423.1	163.0	16.8	0.3853	87.0
30.001	1041.10	278.15	412.6	177.4	20.4	0.4300	89.6
40.036	1045.42	278.14	402.5	192.1	24.4	0.4774	92.8
50.001	1049.53	278.15	393.3	206.6	28.8	0.5252	96.1
59.916	1053.60	278.15	384.7	221.1	33.5	0.5746	99.9
70.004	1057.67	278.15	376.6	235.9	38.8	0.6262	104.2
80.021	1061.68	278.14	369.0	250.7	44.6	0.6792	108.9
90.003	1065.57	278.14	362.1	265.4	50.8	0.7332	113.9
99.836	1069.33	278.14	355.6	280.1	57.4	0.7875	119.2
110.101	1073.18	278.14	349.4	295.4	64.7	0.8455	125.1
119.839	1076.77	278.14	343.9	310.2	72.3	0.9019	131.0
130.002	1080.44	278.14	338.6	325.6	80.6	0.9618	137.5
138.240	1083.36	278.14	334.5	338.2	87.8	1.0111	143.0
0.465	1027.46	283.15	439.2	180.0	20.3	0.4098	115.6
5.119	1029.43	283.17	433.6	185.6	21.9	0.4282	116.1
10.561	1031.82	283.17	427.0	192.3	23.8	0.4504	117.0
20.084	1035.94	283.17	416.2	204.0	27.3	0.4902	118.7
30.003	1040.16	283.17	405.6	216.1	31.3	0.5327	120.8
40.058	1044.35	283.17	395.7	228.3	35.7	0.5769	123.3
50.004	1048.44	283.17	386.5	240.3	40.4	0.6219	126.1
60.170	1052.53	283.17	377.7	252.7	45.5	0.6689	129.3

Appendix I - continue

$p/$ MPa	$\rho/$ $\text{kg}\cdot\text{m}^{-3}$	$T/$ K	$k_T\cdot 10^6/$ MPa^{-1}	$\alpha_p\cdot 10^6/$ K^{-1}	$(c_p-c_v)/$ $\text{Jkg}^{-1}\text{K}^{-1}$	$\gamma/$ MPaK^{-1}	$p_{\text{int}}/$ MPa
69.997	1056.38	283.18	369.8	264.5	50.7	0.7153	132.6
80.116	1060.31	283.18	362.2	276.8	56.5	0.7643	136.3
90.002	1064.08	283.18	355.3	288.9	62.5	0.8133	140.3
99.985	1067.83	283.18	348.7	301.2	69.0	0.8639	144.6
110.000	1071.53	283.18	342.5	313.6	75.9	0.9157	149.3
119.787	1075.07	283.18	336.8	325.8	83.0	0.9672	154.1
130.003	1078.70	283.18	331.3	338.6	90.8	1.0220	159.4
139.712	1082.04	283.19	326.5	350.7	98.6	1.0743	164.5
1.001	1026.52	288.18	433.1	222.5	32.1	0.5137	147.0
5.000	1028.38	288.15	427.9	226.5	33.6	0.5294	147.5
10.062	1030.61	288.14	421.8	231.6	35.6	0.5492	148.2
20.031	1034.89	288.13	410.4	241.6	39.6	0.5886	149.6
30.002	1038.97	288.15	400.1	251.4	43.8	0.6285	151.1
39.986	1043.03	288.16	390.3	261.3	48.3	0.6695	152.9
50.000	1047.09	288.16	381.0	271.3	53.1	0.7119	155.2
59.919	1050.99	288.17	372.5	281.1	58.1	0.7545	157.5
69.997	1054.93	288.17	364.3	291.1	63.5	0.7990	160.3
79.920	1058.70	288.18	356.9	301.0	69.1	0.8434	163.1
89.996	1062.51	288.18	349.7	311.1	75.1	0.8897	166.4
99.628	1066.04	288.19	343.3	320.7	81.0	0.9342	169.6
110.000	1069.99	288.15	336.6	331.5	87.9	0.9850	173.8
119.786	1073.31	288.12	331.2	340.9	94.2	1.0293	176.8
129.997	1077.05	288.15	325.3	351.9	101.9	1.0820	181.8
140.004	1080.36	288.18	320.3	362.0	109.1	1.1302	185.7
0.951	1025.37	293.17	428.3	261.7	45.7	0.6110	178.2
5.096	1027.08	293.18	423.4	265.0	47.3	0.6258	178.4
9.989	1029.12	293.18	417.7	268.8	49.3	0.6434	178.6
20.061	1033.24	293.19	406.6	276.6	53.4	0.6802	179.4
30.024	1037.47	293.15	395.9	284.4	57.7	0.7183	180.6
40.008	1041.53	293.14	386.0	292.2	62.3	0.7570	181.9
50.035	1045.45	293.15	376.9	300.0	67.0	0.7960	183.3
60.062	1049.49	293.12	368.0	308.0	72.0	0.8370	185.3
70.012	1053.16	293.15	360.3	315.8	77.0	0.8766	187.0
79.993	1057.05	293.12	352.5	323.8	82.5	0.9187	189.3
89.987	1060.62	293.15	345.6	331.7	88.0	0.9598	191.4
99.919	1064.38	293.12	338.7	339.9	93.9	1.0034	194.2
109.791	1067.88	293.13	332.5	347.8	99.9	1.0460	196.8
117.401	1070.56	293.13	328.0	354.0	104.6	1.0793	199.0
129.490	1074.75	293.13	321.2	363.9	112.5	1.1330	202.6
139.074	1078.03	293.13	316.2	371.9	119.0	1.1764	205.8
1.003	1023.80	298.19	425.1	298.4	61.0	0.7018	208.3
4.994	1025.52	298.18	420.2	300.7	62.6	0.7157	208.4
9.818	1027.68	298.15	414.2	303.6	64.6	0.7331	208.7
20.060	1031.86	298.16	402.8	309.7	68.8	0.7689	209.2
30.002	1035.90	298.16	392.4	315.7	73.1	0.8045	209.9

Appendix I - continue

$p/$ MPa	$\rho/$ $\text{kg}\cdot\text{m}^{-3}$	$T/$ K	$k_T\cdot 10^6/$ MPa^{-1}	$\alpha_p\cdot 10^6/$ K^{-1}	$(c_p-c_v)/$ $\text{Jkg}^{-1}\text{K}^{-1}$	$\gamma/$ MPaK^{-1}	$p_{\text{int}}/$ MPa
40.049	1039.96	298.15	382.4	321.8	77.6	0.8413	210.8
50.046	1043.90	298.15	373.2	327.8	82.3	0.8784	211.9
60.170	1047.68	298.18	364.7	334.0	87.0	0.9157	212.9
70.100	1051.48	298.18	356.6	340.1	92.0	0.9537	214.3
79.984	1055.12	298.19	349.2	346.2	97.0	0.9914	215.6
89.997	1058.82	298.19	341.9	352.4	102.3	1.0307	217.3
99.946	1062.36	298.20	335.3	358.6	107.7	1.0695	219.0
109.984	1065.98	298.19	328.8	365.0	113.3	1.1100	221.0
120.229	1069.51	298.20	322.8	371.5	119.2	1.1509	223.0
128.749	1072.51	298.18	317.9	377.0	124.3	1.1861	224.9
137.307	1075.36	298.19	313.3	382.5	129.5	1.2208	226.7
0.818	1022.24	303.17	422.4	333.0	77.9	0.7884	238.2
5.046	1023.96	303.18	417.4	334.8	79.5	0.8022	238.1
9.779	1026.01	303.16	411.6	336.8	81.4	0.8182	238.3
20.052	1030.14	303.18	400.3	341.2	85.6	0.8523	238.4
30.000	1034.16	303.18	389.8	345.5	89.8	0.8862	238.7
39.944	1038.07	303.19	380.1	349.8	94.0	0.9203	239.1
50.000	1042.10	303.17	370.6	354.3	98.5	0.9559	239.8
60.098	1045.99	303.17	361.8	358.8	103.1	0.9916	240.5
70.000	1049.74	303.17	353.8	363.3	107.8	1.0270	241.4
79.948	1053.40	303.18	346.2	367.9	112.5	1.0626	242.2
90.001	1057.07	303.18	338.9	372.5	117.4	1.0991	243.2
99.904	1060.63	303.18	332.2	377.2	122.4	1.1354	244.3
109.882	1064.20	303.17	325.7	382.0	127.6	1.1725	245.6
120.259	1067.70	303.19	319.6	386.9	133.0	1.2103	246.7
129.394	1070.75	303.20	314.5	391.3	137.8	1.2439	247.8
137.031	1073.27	303.21	310.5	395.0	142.0	1.2722	248.7
0.519	1020.32	308.15	421.1	365.8	96.0	0.8686	267.2
4.907	1022.14	308.15	415.7	366.9	97.6	0.8825	267.0
10.033	1024.31	308.15	409.6	368.3	99.6	0.8992	267.1
20.118	1028.29	308.16	398.6	371.0	103.5	0.9307	266.7
30.102	1032.24	308.18	388.2	373.8	107.5	0.9629	266.6
40.133	1036.24	308.17	378.2	376.6	111.5	0.9958	266.7
50.098	1040.11	308.17	369.0	379.5	115.7	1.0285	266.9
59.902	1043.86	308.17	360.4	382.4	119.8	1.0611	267.1
70.100	1047.74	308.16	352.0	385.5	124.2	1.0954	267.5
79.801	1051.28	308.17	344.6	388.6	128.5	1.1277	267.7
89.998	1054.98	308.17	337.1	391.8	133.0	1.1621	268.1
99.784	1058.41	308.18	330.6	395.0	137.4	1.1949	268.5
109.742	1061.90	308.18	324.1	398.3	142.0	1.2287	268.9
119.968	1065.57	308.15	317.7	401.8	146.9	1.2647	269.7
129.494	1068.74	308.16	312.3	405.0	151.5	1.2969	270.2
137.225	1071.30	308.16	308.1	407.7	155.2	1.3232	270.5
1.002	1018.34	313.14	420.3	397.2	115.5	0.9452	295.0
5.055	1020.13	313.13	415.0	397.6	117.0	0.9582	295.0

Appendix I - continue

$p/$ MPa	$\rho/$ $\text{kg}\cdot\text{m}^{-3}$	$T/$ K	$k_T\cdot 10^6/$ MPa^{-1}	$\alpha_p\cdot 10^6/$ K^{-1}	$(c_p-c_v)/$ $\text{Jkg}^{-1}\text{K}^{-1}$	$\gamma/$ MPaK^{-1}	$p_{\text{int}}/$ MPa
10.031	1022.28	313.12	408.8	398.2	118.8	0.9740	294.9
20.030	1026.37	313.19	397.4	399.8	122.7	1.0061	295.1
30.015	1030.39	313.17	386.8	401.0	126.4	1.0368	294.7
40.098	1034.37	313.15	376.8	402.4	130.1	1.0678	294.3
49.997	1038.19	313.15	367.6	403.9	133.8	1.0986	294.0
59.967	1041.93	313.12	359.0	405.3	137.5	1.1289	293.5
69.955	1045.61	313.12	350.9	407.0	141.3	1.1597	293.2
79.899	1049.23	313.12	343.3	408.8	145.2	1.1907	292.9
90.055	1052.83	313.13	336.0	410.7	149.3	1.2222	292.7
99.928	1056.32	313.13	329.2	412.6	153.3	1.2532	292.5
109.996	1059.92	313.12	322.5	414.6	157.5	1.2856	292.5
120.069	1063.26	313.12	316.6	416.7	161.5	1.3163	292.1
130.914	1066.85	313.18	310.4	419.2	166.2	1.3507	292.1
138.640	1069.38	313.21	306.2	421.0	169.6	1.3751	292.1
0.511	1008.96	333.17	424.1	512.6	204.6	1.2087	402.2
5.072	1011.12	333.15	417.5	510.3	205.5	1.2223	402.1
10.077	1013.01	333.13	411.9	508.4	206.3	1.2342	401.1
20.019	1017.12	333.17	400.1	504.7	208.6	1.2615	400.3
30.046	1021.18	333.15	389.0	500.9	210.5	1.2879	399.0
40.026	1025.10	333.14	378.7	497.6	212.4	1.3137	397.6
50.052	1028.91	333.14	369.2	494.4	214.4	1.3391	396.1
60.042	1032.68	333.13	360.3	491.5	216.3	1.3642	394.4
70.076	1036.36	333.13	351.9	488.8	218.2	1.3891	392.7
80.085	1039.96	333.13	344.0	486.2	220.1	1.4135	390.8
90.066	1043.54	333.15	336.4	483.9	222.1	1.4381	389.0
100.075	1047.01	333.16	329.4	481.6	224.1	1.4620	387.0
110.072	1050.42	333.15	322.9	479.5	225.9	1.4852	384.7
120.347	1053.88	333.12	316.5	477.4	227.7	1.5086	382.2
130.476	1057.20	333.14	310.5	475.6	229.6	1.5317	379.8
139.378	1060.06	333.16	305.6	474.1	231.2	1.5516	377.6
1.815	998.37	353.17	435.1	613.7	306.2	1.4105	496.3
5.213	999.82	353.15	430.5	610.7	306.0	1.4186	495.8
10.132	1001.81	353.18	424.3	606.8	306.0	1.4303	495.0
20.103	1006.00	353.16	411.7	598.6	305.5	1.4540	493.4
30.002	1010.13	353.16	399.9	590.8	305.2	1.4776	491.8
40.055	1014.16	353.16	388.9	583.5	304.9	1.5005	489.9
50.004	1018.05	353.16	378.7	576.7	304.6	1.5225	487.7
59.964	1021.83	353.18	369.3	570.3	304.3	1.5440	485.4
70.004	1025.59	353.16	360.4	564.0	303.9	1.5649	482.6
79.932	1029.22	353.16	352.1	558.1	303.6	1.5850	479.8
89.997	1032.76	353.16	344.4	552.6	303.2	1.6045	476.6
99.801	1036.25	353.16	337.1	547.3	302.8	1.6235	473.5
110.000	1039.81	353.16	329.9	541.9	302.3	1.6426	470.1
119.985	1043.27	353.15	323.3	536.9	301.8	1.6609	466.5
130.005	1046.63	353.15	317.0	532.1	301.3	1.6784	462.7

Appendix I - continue

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138.574	1049.32	353.18	312.2	528.4	301.0	1.6925	459.2
1.436	984.97	373.12	458.4	708.3	414.6	1.5451	575.1
5.112	986.58	373.17	452.9	703.7	413.6	1.5539	574.7
9.877	988.70	373.15	445.8	697.5	411.8	1.5645	573.9
20.027	993.10	373.13	431.7	685.0	408.4	1.5867	572.0
30.086	997.35	373.12	418.8	673.4	405.1	1.6080	569.9
39.904	1001.40	373.10	407.1	662.7	401.9	1.6279	567.5
50.000	1005.42	373.15	395.9	652.5	399.1	1.6481	565.0
60.089	1009.38	373.15	385.5	642.7	396.1	1.6672	562.0
70.013	1013.17	373.17	376.0	633.7	393.4	1.6854	558.9
79.913	1016.91	373.15	367.0	624.9	390.4	1.7027	555.5
90.063	1020.66	373.14	358.4	616.3	387.5	1.7198	551.7
99.897	1024.22	373.13	350.5	608.4	384.7	1.7357	547.7
109.980	1027.79	373.15	343.0	600.7	382.0	1.7514	543.6
120.485	1031.46	373.14	335.6	592.9	379.0	1.7669	538.8
126.734	1033.61	373.15	331.4	588.5	377.3	1.7759	535.9
138.941	1037.74	373.16	323.6	580.1	373.9	1.7925	530.0
1.383	970.16	393.15	490.6	798.8	527.1	1.6283	638.8
5.108	971.89	393.16	484.1	792.1	524.3	1.6362	638.2
9.823	974.05	393.18	476.2	783.9	520.9	1.6460	637.4
20.111	978.71	393.18	460.0	766.7	513.4	1.6668	635.2
30.036	983.11	393.17	445.4	751.1	506.4	1.6861	632.9
39.977	987.42	393.17	432.0	736.3	499.8	1.7047	630.2
50.017	991.67	393.17	419.3	722.3	493.3	1.7226	627.3
59.942	995.79	393.18	407.7	709.2	487.2	1.7397	624.1
70.028	999.87	393.16	396.7	696.7	481.1	1.7561	620.4
79.802	1003.73	393.17	386.8	685.1	475.4	1.7713	616.6
90.042	1007.69	393.17	377.1	673.7	469.6	1.7865	612.3
99.916	1011.40	393.17	368.4	663.2	464.1	1.8002	607.9
109.989	1015.09	393.17	360.2	653.1	458.7	1.8133	602.9
119.939	1018.65	393.17	352.5	643.6	453.5	1.8255	597.8
130.913	1022.46	393.17	344.7	633.6	447.8	1.8380	591.7
138.973	1025.28	393.17	339.2	626.4	443.7	1.8469	587.2
1.702	954.10	413.15	533.5	890.0	643.0	1.6684	687.6
5.013	955.74	413.15	526.6	881.9	638.5	1.6747	686.9
10.074	958.23	413.15	516.5	869.9	631.7	1.6842	685.8
19.883	962.97	413.14	498.1	847.8	619.0	1.7020	683.3
30.085	967.89	413.12	480.2	825.9	606.3	1.7200	680.5
39.956	972.35	413.12	464.8	806.9	595.1	1.7360	677.2
50.004	976.87	413.15	450.0	788.4	584.1	1.7519	673.8
60.098	981.31	413.15	436.3	770.9	573.5	1.7670	669.9
70.005	985.55	413.15	423.9	754.9	563.6	1.7809	665.8
80.032	989.63	413.15	412.5	740.0	554.2	1.7939	661.1
89.997	993.68	413.15	401.7	725.6	544.9	1.8062	656.2
99.881	997.59	413.11	391.9	712.2	536.1	1.8176	651.0

Appendix I - continue

$p/$ MPa	$\rho/$ $\text{kg}\cdot\text{m}^{-3}$	$T/$ K	$k_T\cdot 10^6/$ MPa^{-1}	$\alpha_p\cdot 10^6/$ K^{-1}	$(c_p-c_v)/$ $\text{Jkg}^{-1}\text{K}^{-1}$	$\gamma/$ MPaK^{-1}	$p_{\text{int}}/$ MPa
109.803	1001.41	413.15	382.6	699.6	527.7	1.8284	645.6
119.755	1005.23	413.13	373.8	687.2	519.3	1.8385	639.8
127.670	1008.10	413.15	367.4	678.2	513.0	1.8457	634.9
139.149	1012.26	413.14	358.6	665.4	504.0	1.8556	627.5
2.522	936.69	433.23	591.3	991.8	769.4	1.6773	724.1
5.100	938.09	433.26	584.6	983.1	763.5	1.6816	723.5
9.817	940.61	433.20	572.9	967.6	752.7	1.6889	721.8
20.112	946.12	433.18	548.5	935.2	730.1	1.7050	718.4
30.025	951.20	433.18	527.5	906.9	710.1	1.7193	714.8
39.950	956.05	433.20	508.6	881.1	691.8	1.7326	710.6
49.927	960.90	433.18	490.8	856.6	674.0	1.7454	706.1
59.856	965.60	433.18	474.5	833.8	657.3	1.7572	701.3
69.926	970.13	433.17	459.7	812.8	641.7	1.7681	696.0
80.011	974.53	433.16	446.1	793.2	626.9	1.7782	690.2
89.963	978.85	433.17	433.3	774.6	612.8	1.7876	684.4
99.898	983.02	433.20	421.7	757.4	599.5	1.7961	678.2
110.198	987.31	433.13	410.3	740.3	586.0	1.8043	671.3
120.699	991.54	433.10	399.7	724.1	573.0	1.8118	664.0
130.771	995.36	433.17	390.5	709.8	561.5	1.8178	656.7
138.275	998.23	433.16	383.8	699.4	553.0	1.8221	651.0
3.031	917.53	453.17	673.2	1122.4	924.2	1.6672	752.5
5.096	918.76	453.20	666.2	1112.4	916.3	1.6698	751.6
10.052	921.79	453.15	649.5	1088.6	896.8	1.6759	749.4
19.918	927.50	453.14	619.7	1045.6	861.8	1.6871	744.6
30.086	933.32	453.13	591.5	1004.4	827.9	1.6979	739.3
39.960	938.62	453.13	567.6	968.9	798.5	1.7071	733.6
49.958	943.83	453.14	545.5	935.8	770.8	1.7156	727.4
59.855	948.93	453.15	525.2	905.0	744.8	1.7232	721.0
69.958	953.88	453.17	506.7	876.6	720.4	1.7300	714.0
79.981	958.73	453.15	489.6	850.0	697.4	1.7360	706.7
89.953	963.30	453.19	474.4	825.9	676.5	1.7410	699.1
99.866	967.78	453.18	460.3	803.3	656.6	1.7454	691.1
110.492	972.51	453.14	446.2	780.5	636.2	1.7494	682.2
120.342	976.65	453.15	434.5	761.3	618.9	1.7522	673.7
129.607	980.50	453.15	424.1	744.0	603.2	1.7543	665.4
137.685	983.75	453.15	415.7	729.8	590.2	1.7557	657.9
2.850	901.37	468.03	761.5	1260.9	1084.0	1.6557	772.1
5.105	902.88	468.06	751.4	1245.8	1070.6	1.6578	770.9
9.886	906.18	468.02	730.2	1213.7	1041.9	1.6621	768.0
20.044	912.70	468.02	690.8	1153.6	988.0	1.6701	761.6
30.087	918.90	468.03	656.2	1100.3	939.7	1.6767	754.7
39.929	924.65	468.03	626.5	1053.9	897.3	1.6821	747.3
50.086	930.38	468.03	599.0	1010.3	857.2	1.6867	739.3
59.833	935.74	468.04	574.9	971.7	821.4	1.6901	731.2
70.053	941.12	468.03	552.3	935.0	787.1	1.6929	722.3

Appendix I - continue

$p/$ MPa	$\rho/$ $\text{kg}\cdot\text{m}^{-3}$	$T/$ K	$k_T\cdot 10^6/$ MPa^{-1}	$\alpha_p\cdot 10^6/$ K^{-1}	$(c_p-c_v)/$ $\text{Jkg}^{-1}\text{K}^{-1}$	$\gamma/$ MPaK^{-1}	$p_{\text{int}}/$ MPa
80.041	946.19	468.03	532.3	902.1	756.2	1.6947	713.1
90.053	951.15	468.03	513.9	871.4	727.1	1.6957	703.6
99.902	955.91	468.03	497.2	843.2	700.2	1.6960	693.9
109.800	960.57	468.03	481.7	816.8	674.9	1.6956	683.8
119.911	965.20	467.98	467.2	791.8	650.6	1.6947	673.2
129.218	969.34	468.05	454.9	770.1	629.4	1.6928	663.1
139.062	973.67	468.06	442.7	748.3	608.0	1.6904	652.1

Appendix II. Calculated values of secant bulk modulus K/MPa of standard seawater at the experimental pressures p/MPa and temperatures T/K .

p/MPa	T/K	K/MPa	p/MPa	T/K	K/MPa	p/MPa	T/K	K/MPa
19.991	273.16	2254.376	60.062	293.12	2568.642	109.996	313.12	2787.828
30.000	273.16	2283.353	70.012	293.15	2613.748	120.069	313.12	2826.939
40.000	273.17	2316.215	79.993	293.12	2634.162	130.914	313.18	2864.935
49.958	273.18	2350.487	89.987	293.15	2675.694	138.640	313.21	2891.163
59.987	273.19	2384.156	99.919	293.12	2697.230	30.046	333.15	2504.684
69.961	273.19	2415.559	109.791	293.13	2731.042	40.026	333.14	2537.455
79.983	273.19	2447.425	117.401	293.13	2755.642	50.052	333.14	2577.528
89.998	273.19	2480.059	129.490	293.13	2794.566	60.042	333.13	2610.702
99.910	273.20	2516.078	139.074	293.13	2824.528	70.076	333.13	2647.611
109.904	273.15	2539.227	30.002	298.16	2510.426	80.085	333.13	2684.022
119.964	273.13	2570.432	40.049	298.15	2533.416	90.066	333.15	2715.616
129.856	273.14	2608.570	50.046	298.15	2563.446	100.075	333.16	2751.563
138.814	273.14	2641.701	60.170	298.18	2609.226	110.072	333.15	2786.740
20.149	278.15	2326.447	70.100	298.18	2636.221	120.347	333.12	2821.608
30.001	278.15	2360.850	79.984	298.19	2670.656	130.476	333.14	2857.660
40.036	278.14	2384.868	89.997	298.19	2699.451	139.378	333.16	2889.674
50.001	278.15	2422.786	99.946	298.20	2733.744	30.002	353.16	2428.359
59.916	278.15	2453.459	109.984	298.19	2761.205	40.055	353.16	2460.459
70.004	278.15	2484.602	120.229	298.20	2795.958	50.004	353.16	2495.420
80.021	278.14	2512.768	128.749	298.18	2818.628	59.964	353.18	2534.037
90.003	278.14	2543.886	137.307	298.19	2848.273	70.004	353.16	2569.628
99.836	278.14	2574.955	30.000	303.18	2530.571	79.932	353.16	2605.879
110.101	278.14	2607.773	39.944	303.19	2564.296	89.997	353.16	2647.260
119.839	278.14	2638.835	50.000	303.17	2579.455	99.801	353.16	2679.243
130.002	278.14	2671.854	60.098	303.17	2609.461	110.000	353.16	2712.977
138.240	278.14	2698.931	70.000	303.17	2639.432	119.985	353.15	2743.901
30.003	283.17	2421.095	79.948	303.18	2673.563	130.005	353.15	2778.014
40.058	283.17	2449.331	90.001	303.18	2705.071	138.574	353.18	2814.176
50.004	283.17	2476.438	99.904	303.18	2735.894	20.027	373.13	2299.285
60.170	283.17	2507.155	109.882	303.17	2764.454	30.086	373.12	2326.068
69.997	283.18	2540.138	120.259	303.19	2803.505	39.904	373.10	2357.514
80.116	283.18	2571.059	129.394	303.20	2836.205	50.000	373.15	2397.282
90.002	283.18	2601.720	137.031	303.21	2862.980	60.089	373.15	2432.918
99.985	283.18	2632.322	30.102	308.18	2572.226	70.013	373.17	2469.884
110.000	283.18	2663.089	40.133	308.17	2586.282	79.913	373.15	2503.522
119.787	283.18	2694.130	50.098	308.17	2611.901	90.063	373.14	2538.627
130.003	283.18	2726.701	59.902	308.17	2638.367	99.897	373.13	2572.706
139.712	283.19	2760.160	70.100	308.16	2663.037	109.980	373.15	2608.130
30.002	288.15	2454.423	79.801	308.17	2695.797	120.485	373.14	2643.596
39.986	288.16	2488.460	89.998	308.17	2726.769	126.734	373.15	2664.636
50.000	288.16	2514.625	99.784	308.18	2761.108	138.941	373.16	2705.660
59.919	288.17	2547.503	109.742	308.18	2791.927	20.111	393.18	2165.329
69.997	288.17	2576.481	119.968	308.15	2815.113	30.036	393.17	2188.932
79.920	288.18	2609.044	129.494	308.16	2848.815	39.977	393.17	2217.645
89.996	288.18	2638.566	137.225	308.16	2874.641	50.017	393.17	2249.449
99.628	288.19	2670.541	30.015	313.17	2516.449	59.942	393.18	2280.842
110.000	288.15	2692.107	40.098	313.15	2549.242	70.028	393.16	2314.674
119.786	288.12	2733.153	49.997	313.15	2583.693	79.802	393.17	2348.275
129.997	288.15	2757.252	59.967	313.12	2621.965	90.042	393.17	2383.358
140.004	288.18	2796.353	69.955	313.12	2658.875	99.916	393.17	2418.742
30.024	293.15	2487.939	79.899	313.12	2692.979	109.989	393.17	2455.437
40.008	293.14	2513.241	90.055	313.13	2729.992	119.939	393.17	2491.859
50.035	293.15	2551.663	99.928	313.13	2761.799	130.913	393.17	2533.181

Appendix II - continue

<i>p</i> / MPa	<i>T</i> / K	<i>K</i> / MPa	<i>p</i> / MPa	<i>T</i> / K	<i>K</i> / MPa	<i>p</i> / MPa	<i>T</i> / K	<i>K</i> / MPa
138.973	393.17	2559.940	59.856	433.18	1936.246	110.492	453.14	1911.663
19.883	413.14	2017.569	69.926	433.17	1973.162	120.342	453.15	1947.506
30.085	413.12	2020.747	80.011	433.16	2010.653	129.607	453.15	1979.434
39.956	413.12	2058.888	89.963	433.17	2043.162	137.685	453.15	2008.119
50.004	413.15	2088.389	99.898	433.20	2077.464	20.044	468.02	1489.752
60.098	413.15	2119.108	110.198	433.13	2110.155	30.087	468.03	1496.047
70.005	413.15	2151.339	120.699	433.10	2145.149	39.929	468.03	1523.745
80.032	413.15	2190.929	130.771	433.17	2183.597	50.086	468.03	1555.374
89.997	413.15	2224.583	138.275	433.16	2209.191	59.833	468.04	1585.168
99.881	413.11	2258.905	19.918	453.14	1649.459	70.053	468.03	1619.859
109.803	413.15	2294.134	30.086	453.13	1649.816	80.041	468.03	1654.664
119.755	413.13	2326.209	39.960	453.13	1680.433	90.053	468.03	1688.427
127.670	413.15	2356.355	49.958	453.14	1712.745	99.902	468.03	1720.983
139.149	413.14	2396.308	59.855	453.15	1740.674	109.800	468.03	1753.459
20.112	433.18	1834.944	69.958	453.17	1775.719	119.911	467.98	1786.633
30.025	433.18	1848.529	79.981	453.15	1807.216	129.218	468.05	1817.414
39.950	433.20	1881.488	89.953	453.19	1843.654	139.062	468.06	1848.471
49.927	433.18	1907.549	99.866	453.18	1877.395			