

Western Iceland Sea

- Greenland Sea Project -

CTD Data Report

Joint Danish Icelandic Cruise

R/V Bjarni Sæmundsson

September 1991

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Ágrip

Þessi skýrsla inniheldur hafaðlisfræðigögn frá Íslandshafi. Þau eru hiti og selta sem fall af dýpi (töflur og myndir) og afleiddar stærðir, svo sem eðlisþyngd. Sýnum var safnað með síritandi sondu, CTD, í september 1990 í leiðangri á R/S Bjarna Sæmundssyni í vestur hluta Íslandshafs, frá Grænlandssundi norður fyrir Jan Mayen (72°30'N) og vestan Kolbeinseyjarhryggjar. Danir (Farvandsvæsenet) og Íslendingar (Hafrannsóknastofnun) áttu samvinnu um þessar rannsóknir sem voru hluti af 5 ára alþjóðlegum hafrannsóknnum (1987-1991) sem ganga undir heitinu "Greenland Sea Project". Hliðstæðar skýrslur frá 1987, 1988, 1989 og 1990 hafa komið út, (S.S. Kristmannsson, S.A. Malmberg & J. Briem 1989 og S.S. Kristmannsson, S.A. Malmberg, J. Briem og E. Buch 1991, 1994).

Introduction

In September 1991 a fifth and last joint Danish-Icelandic hydro-biological survey was carried out by scientists aboard the Icelandic research vessel BJARNI SÆMUNDSSON in the western Iceland Sea in the area between Jan Mayen, East Greenland and Iceland, (Fig. 1). These investigations were a part of the international GREENLAND SEA PROJECT, GSP, initiated by the Arctic Ocean Science Board (AOSB) in 1987. Several GSP reports have been published. They include objectives of the program (Anon. 1987), investigations performed in 1990 and 1991 (Malmberg and Buch 1992), CTD data reports from the investigations in 1987, 1988, 1989 and 1990 (Kristmannsson et.al. 1989, Kristmannsson et.al. 1991, 1994) and some general results (Anon. 1991).

The present publication is a report of CTD data collected during the 1991 cruise. It consists of data lists of temperature (in situ and potential), salinity, potential density and specific volume anomaly as a function of depth. Also included are figures of the water mass distribution (Figs. 3,4) and the vertical structure of temperature and salinity from chosen sections (Figs. 5-6). First, a short description of instrumentation and an outline of data-handling methods are given.

Instrumentation and methods

The CTD system used was a Sea Bird Electronics SBE-9 underwater unit with a 12 water bottle rosette. The temperature was measured with a SBE-3 thermometer, a glass-coated thermistor bead with an accuracy of $\pm 0.004^{\circ}\text{C}$. The conductivity was measured with a SBE-4 conductivity meter which is a 2-terminal platinum electrode cell and a flow-through type. The accuracy is 0.003 S/m, (Siemens per meter). The conductivity cell was used with a submersible pump, SBE-5, to match the dynamic response of the cell to that of the temperature sensor. In this way the "salinity spiking" phenomenon was reduced. The pressure was measured by a Digiquartz Pressure Transducer with an accuracy of 0.05% of full scale. The SBE-CTD together with a rosette was operated from a winch with a conducting wire lowered at approximately 1 m/s and only downcast profiles were used in the analysis. Calibration samples for salinity were collected at each station and at fewer ones for temperature. Calibration salinities were determined ashore, one and two months after the cruise, with a Guildline-8400 salinometer using IAPSO (batch # 106) standard water as a reference.

The editing and filtering of the CTD downcast data was performed according to the following guidelines of UNESCO (1988):

1. Scaling of independent variables, pressure in decibars, temperature in °C and conductivity in S/m. This was done with software provided by Sea Bird Electronics.
2. Erroneous values (out of range) and unrealistic discontinuities were replaced by adjacent or linearly interpolated values.
3. Smoothing of temperature and conductivity by curve fitting through a small section of dataset.
4. Smoothing of pressure by low-pass filtering.
5. Time lag correction for variables.
6. Averaging of variables to each decibar.
7. Calculation of salinity (UNESCO 1981) and potential temperature (Bryden 1973) and other dependent variables.
8. Calibration of salinities with respect to laboratory analysis of deep water samples. Plots of the SBE-CTD salinities vs. the laboratory analysed salinities are shown in Figure 2. Also shown is the estimated correction line:

$$\text{Salinity(SBE-CTD)} = \text{Salinity(Hydrography)} - 0.015.$$

Temperature comparison of SBE-CTD with reversing thermometers showed no significant difference.

Water Masses in the Iceland Sea

The main water masses observed in the study area are as follows (Stefánsson 1962, Swift 1986):

Polar Water of the East Greenland Current. In shallow waters with temperatures below 0°C and salinity less than 34.4.

Deep Water. A cold water mass often referred to as the Norwegian Sea Bottom Water found below 600 m depth with temperatures below 0°C and salinity > 34.9.

Arctic Intermediate Water. A water mass found between Polar Water and Deep Water with temperatures of about 0-1°C and salinity 34.7-34.95.

A more detailed analysis of the water masses shows further differences depending

on their regional origin and their time histories. For example, three different deep water masses are evident in the data (Fig. 4). They are Greenland Sea Deep Water (GDW, $S=34.895$), Norwegian Sea Deep Water (NDW, $S=34.91$) and Arctic Basin Deep Water (ADW, $S=34.925$), (Swift & Koltermann 1988, Malmberg, Kristmannsson & Buch 1990, Buch, Malmberg and Kristmannsson 1992).

Acknowledgement

The joint Danish-Icelandic contribution to the Greenland Sea Project was made possible with contributions from the Icelandic Althing, the Danish National Science Council, the Danish Council for Scientific and Industrial Research and the Commission for Scientific Research in Greenland. We wish to thank the captain and the crew of R/V Bjarni Sæmundsson for their support and also, participating colleagues. The important salinity analysis carried out ashore by the late Sigprúður Jónsdóttir is greatly appreciated. Figures were kindly drawn by Ingibjörg Jónsdóttir.

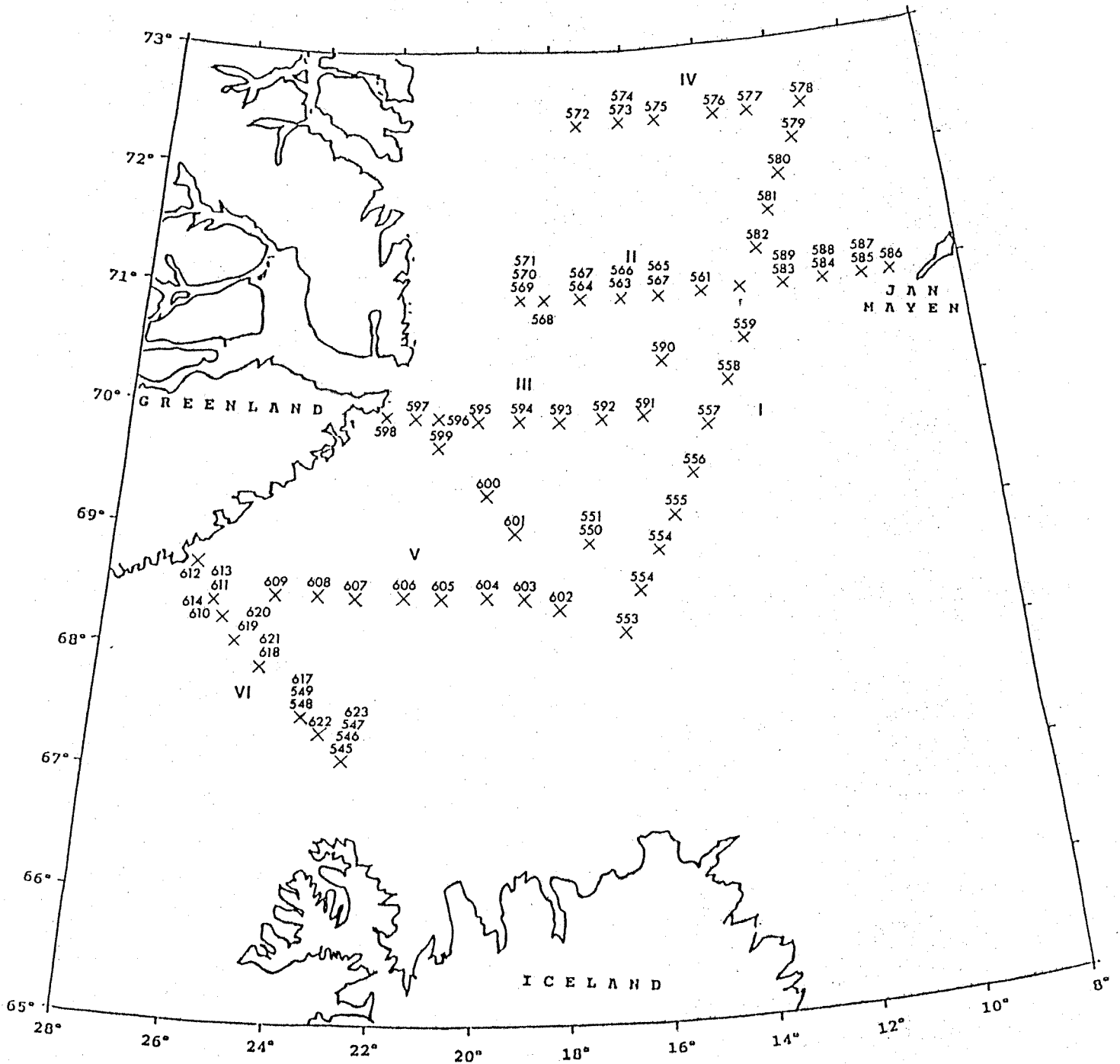


Figure 1. Location of CTD stations by R/V Bjarni Sæmundsson from the GSP program in September 1991.

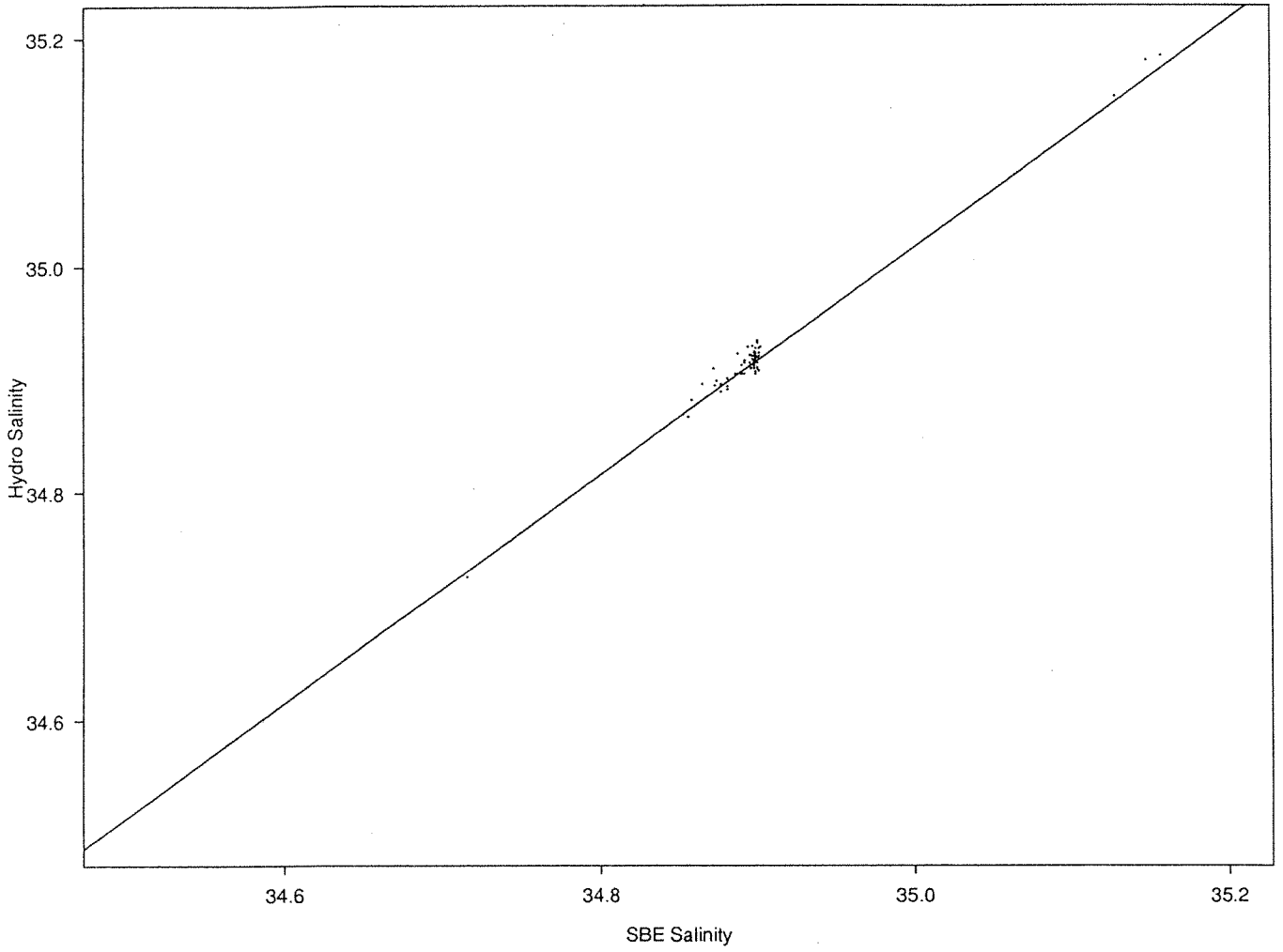


Figure 2. Distribution of hydro salinity vs. CTD salinity and correction lines.

GSP 1991

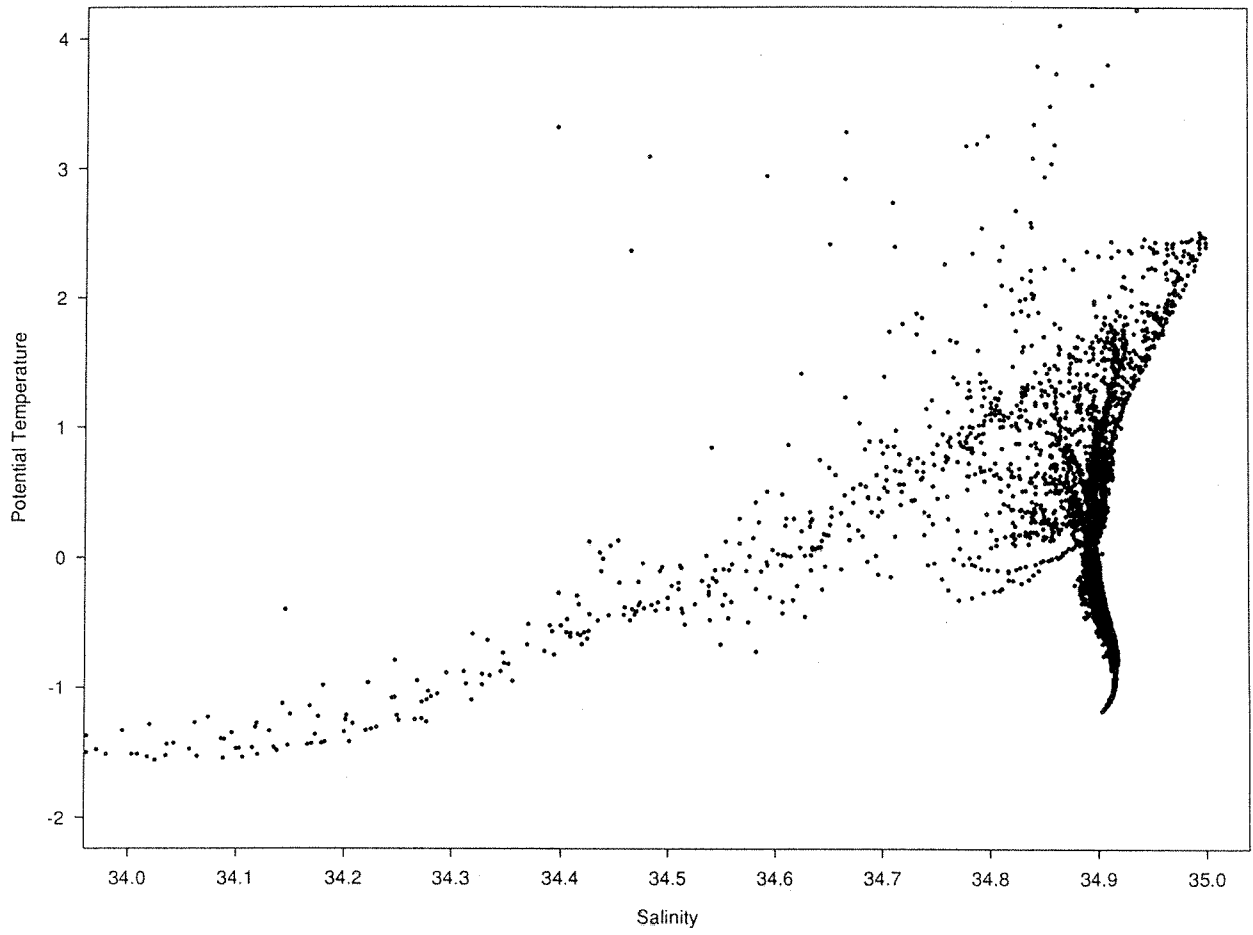


Figure 3. A subset of potential temperature vs. salinity from the SBE-CTD in September 1991.

GSP 1991

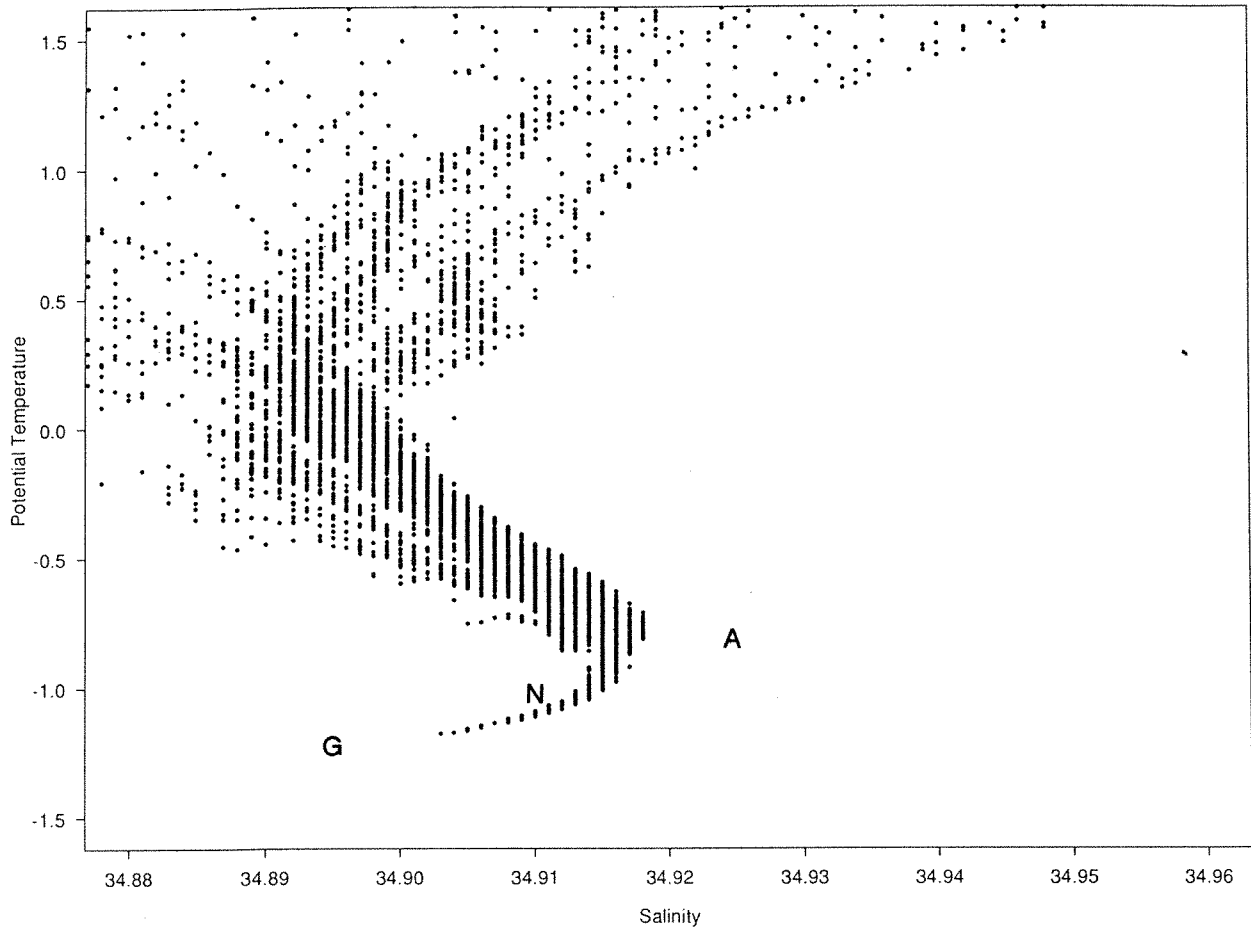


Figure 4. A subset of potential temperature vs. salinity from the SBE-CTD in September 1991. Deep water mass definitions of Swift & Koltermann (1988) are indicated: G (Greenland Sea Deep Water), N (Norwegian Sea Deep Water) and A (Arctic Basin Deep Water).

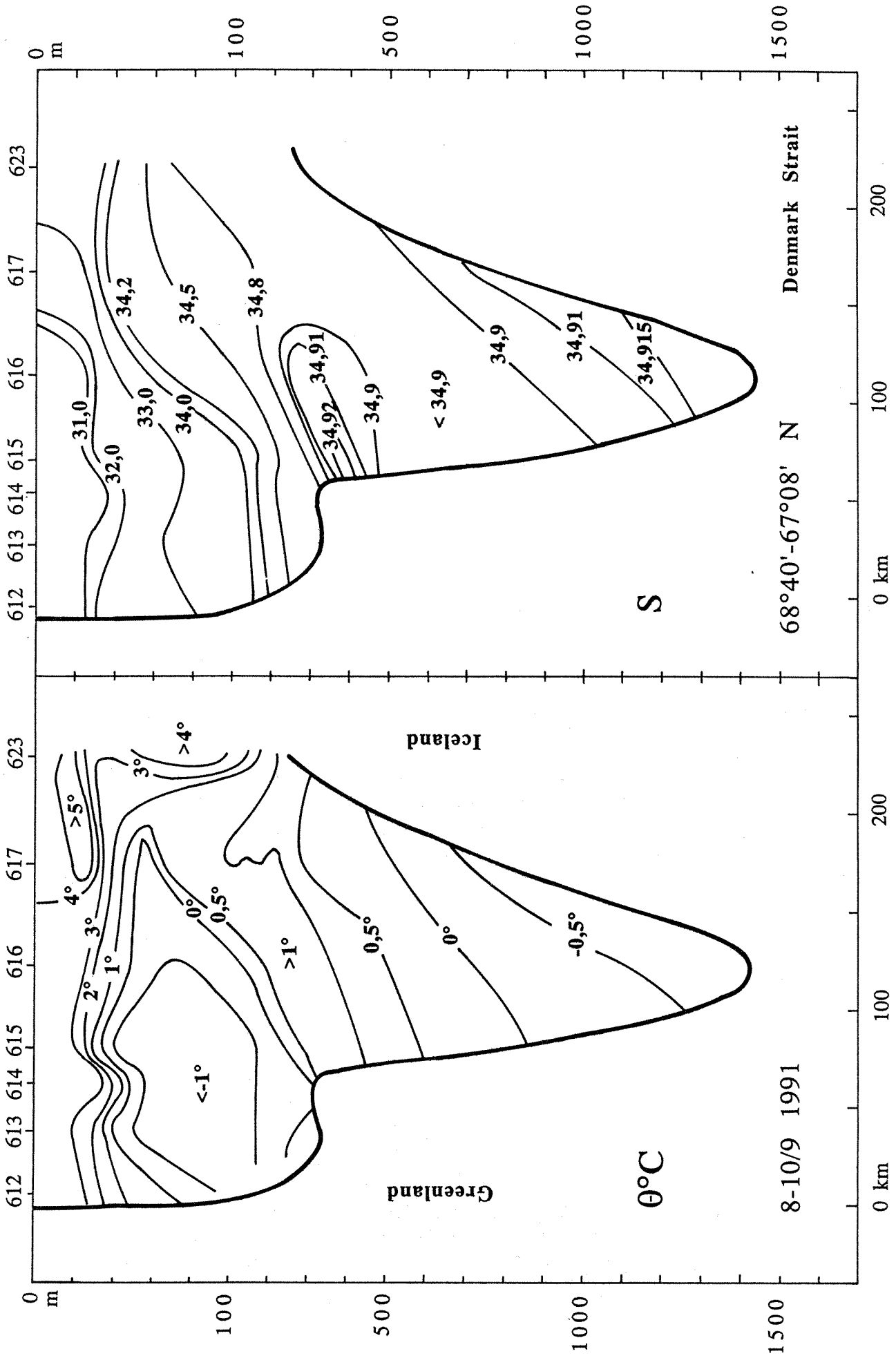


Figure 5. Potential temperature and salinity from Denmark Strait section, from 67°08'N-22°51'W to 68°40'N-25°14'W.

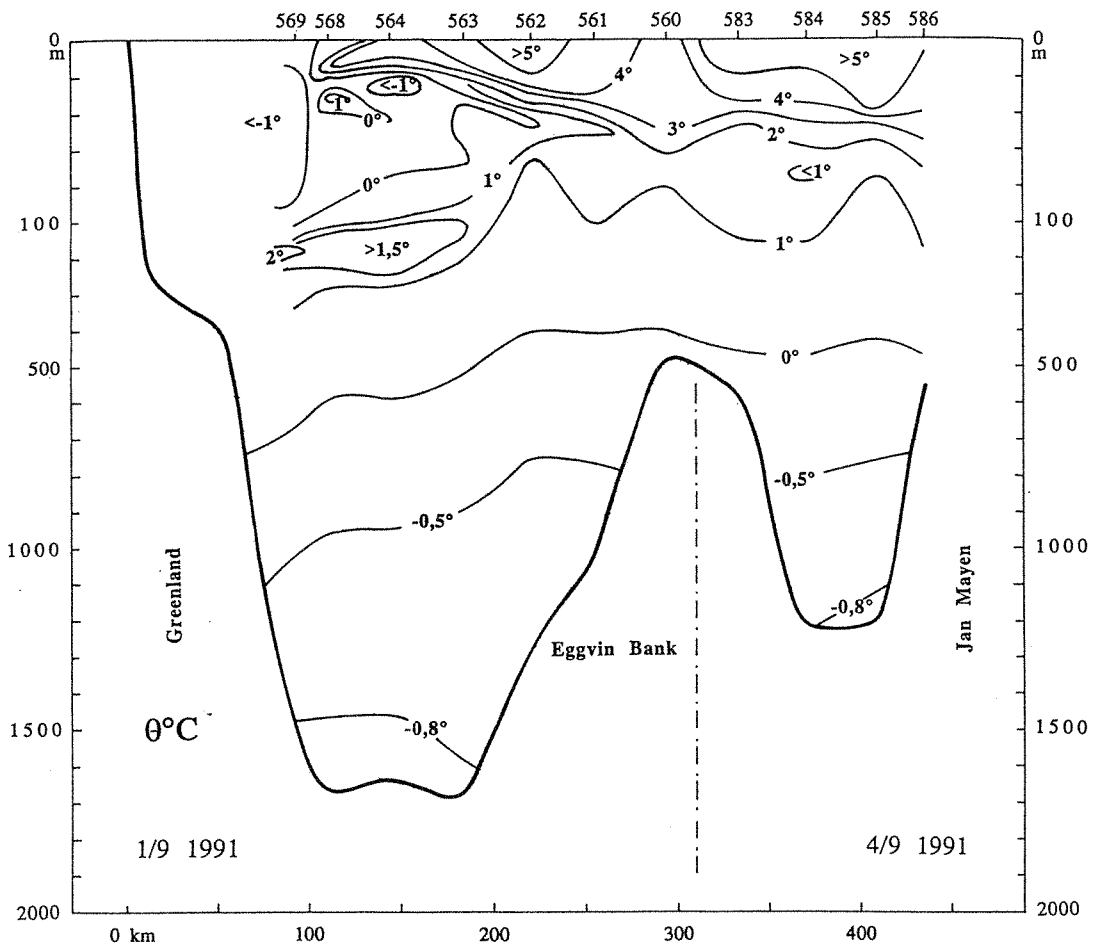


Figure 6(a). Potential temperature from Greenland-Jan Mayen section at 71°00'N.

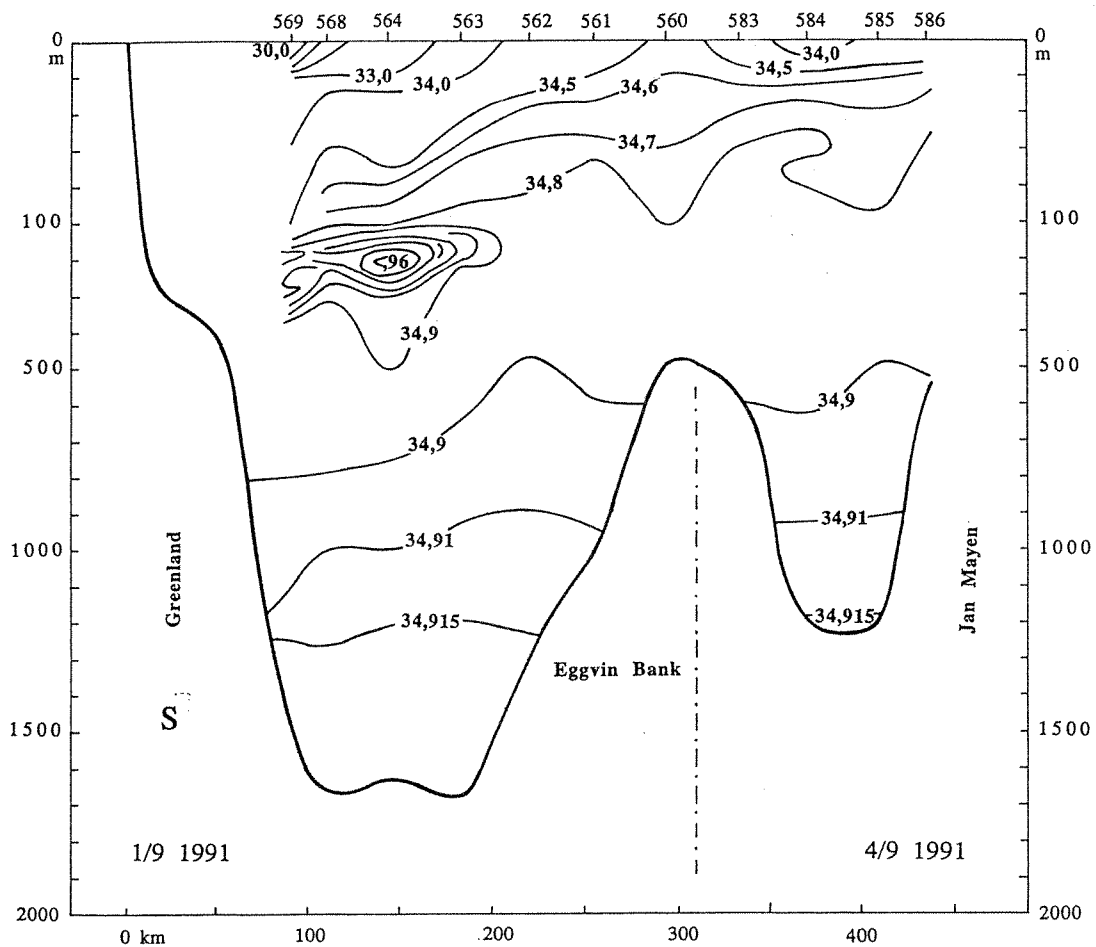


Figure 6(b). Salinity from Greenland-Jan Mayen section at 71°00'N.

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Table 1. R/V Bjarni Sæmundsson GSP-1991 CTD stations

Station	Date	Hour	Depth, m	Latitude N	Longitude W
545	29	0930	256	67°08'	22°53'
547	29	1415	260	67°10'	22°52'
548	29	1740	806	67°30'	23°48'
550	30	1545	1501	69°00'	17°20'
552	31	0030	1224	68°15'	16°32'
553	31	0405	1404	68°35'	16°09'
554	31	0800	1160	68°55'	15°40'
555	31	1115	1560	69°15'	15°12'
556	31	1440	1380	69°35'	14°47'
557	31	1800	1420	69°55'	14°20'
558	31	2140	1285	70°15'	13°53'
559	1	0050	1770	70°35'	13°25'
560	1	0435	480	71°00'	13°19'
561	1	0730	1030	71°00'	14°21'
562	1	1025	1280	71°00'	15°17'
563	1	1325	1680	71°00'	16°16'
564	1	1640	1640	71°00'	17°18'
568	1	0510	1665	71°00'	18°16'
569	1	0745	1420	71°00'	18°48'
572	3	0255	690	72°25'	16°17'
573	3	0435	1615	72°28'	15°54'
574	3	0510	1615	72°28'	15°54'
575	3	0815	1710	72°30'	15°05'
576	3	1200	1200	72°30'	13°34'
577	3	1455	690	72°30'	12°34'
578	3	1805	2160	72°30'	11°06'
579	3	2155	2100	72°13'	11°30'
580	4	0135	2295	71°55'	12°00'
581	4	0455	2570	71°41'	12°21'
582	4	0925	1318	71°22'	12°47'
583	4	1250	590	71°00'	12°15'
584	4	1600	1220	71°00'	11°14'
585	4	1910	1200	71°00'	10°10'
586	4	2135	655	71°00'	09°30'
591	5	1535	964	70°00'	16°00'
592	5	1835	1260	70°00'	16°57'
593	5	2125	1620	70°00'	17°56'
594	6	0300	840	70°00'	18°55'
595	6	0600	267	70°00'	19°55'
596	6	0830	385	70°00'	20°50'
597	6	1010	506	70°00'	21°26'
598	6	1205	375	70°00'	22°06'
602	6	2355	820	68°30'	18°55'
604	7	0520	1177	68°30'	19°50'
605	7	0925	1075	68°30'	20°43'
606	7	1230	1130	68°30'	21°38'
607	7	1605	1420	68°30'	22°35'
608	7	1920	1445	68°30'	23°31'
609	7	2230	680	68°30'	24°25'
612	8	0515	130	68°40'	26°20'
613	8	1610	330	68°30'	25°55'
614	8	1845	315	68°18'	25°27'
615	8	2020	825	68°08'	25°14'
616	8	2350	1430	67°53'	24°36'
617	9	0405	790	67°30'	23°47'
620	9	1540	810	68°08'	25°15'
621	9	2125	1451	67°56'	24°33'
623	10	0630	250	67°08'	22°51'

SBE-CTD data tables:

Heading indicates name of station, B for R/V Bjarni Sæmundsson and 91.545-623 for the year and consecutive station numbers, as shown in Figure 1. The variables presented and units used are the following:

depth, in decibars.

temp, *in situ* temperature in °C.

theta, potential temperature in °C.

salnty, salinity in parts per thousand.

sig_th, potential density -1000 kg/m³.

delta, specific volume anomaly x 10⁻⁸ m³/kg.

B91.545					
depth	temp	theta	salnty	sig_th	delta
5	6.456	6.456	32.829	25.780	220.63
10	6.593	6.592	33.000	25.898	209.54
15	6.523	6.522	33.205	26.069	193.37
20	5.421	5.420	33.757	26.641	139.06
25	4.364	4.362	34.037	26.982	106.69
30	4.176	4.174	34.108	27.059	99.50
35	4.577	4.575	34.271	27.145	91.42
40	4.591	4.588	34.380	27.230	83.37
45	5.202	5.199	34.753	27.456	62.15
50	5.506	5.502	34.909	27.543	54.03
55	6.441	6.436	35.068	27.550	53.60
60	6.433	6.427	35.090	27.568	51.90
65	6.302	6.297	35.084	27.581	50.77
70	6.245	6.239	35.086	27.590	50.02
75	6.118	6.112	35.073	27.597	49.42
80	6.035	6.028	35.066	27.601	49.03
85	6.052	6.044	35.072	27.604	48.85
90	5.951	5.944	35.067	27.613	48.07
95	5.915	5.907	35.065	27.616	47.84
100	5.895	5.886	35.064	27.618	47.72
110	5.717	5.708	35.055	27.633	46.37
120	5.680	5.670	35.053	27.637	46.20
130	5.565	5.555	35.044	27.644	45.65
140	5.418	5.407	35.030	27.651	45.03
150	4.786	4.775	34.981	27.686	41.61
160	4.234	4.223	34.937	27.713	38.99
170	3.818	3.807	34.910	27.735	36.84
180	3.659	3.647	34.895	27.739	36.51
190	3.052	3.040	34.857	27.767	33.60
200	2.564	2.552	34.839	27.796	30.68
210	2.009	1.997	34.833	27.839	26.46
220	1.995	1.983	34.828	27.835	26.82
230	1.314	1.303	34.861	27.913	19.11
240	0.989	0.978	34.873	27.945	15.95
250	0.914	0.902	34.883	27.958	14.65

B91.547					
depth	temp	theta	salnty	sig_th	delta
5	6.836	6.836	32.849	25.747	223.79
10	6.805	6.804	33.124	25.968	202.90
15	6.720	6.719	33.270	26.094	190.97
20	5.676	5.674	33.753	26.607	142.27
25	5.386	5.384	33.946	26.795	124.52
30	4.960	4.958	34.013	26.897	114.86
35	4.185	4.183	34.117	27.065	98.93
40	3.908	3.905	34.213	27.170	89.07
45	3.593	3.590	34.294	27.266	79.98
50	3.325	3.321	34.397	27.374	69.75
55	2.901	2.898	34.401	27.416	65.74
60	2.372	2.368	34.466	27.514	56.41
65	2.452	2.449	34.490	27.527	55.27
70	2.948	2.944	34.593	27.565	51.76
75	2.829	2.824	34.602	27.583	50.04
80	3.291	3.286	34.667	27.593	49.28
85	2.565	2.560	34.646	27.641	44.55
90	2.422	2.417	34.652	27.659	42.89
95	2.623	2.617	34.688	27.670	41.90
100	2.742	2.736	34.710	27.678	41.27
110	3.185	3.178	34.778	27.692	40.17
120	3.263	3.256	34.798	27.700	39.44
130	3.354	3.346	34.841	27.726	37.17
140	3.197	3.188	34.860	27.756	34.35
150	2.950	2.941	34.851	27.772	32.84
160	2.597	2.587	34.838	27.793	30.76
170	2.229	2.219	34.838	27.824	27.69
180	2.145	2.135	34.838	27.831	27.11
190	2.036	2.026	34.841	27.842	26.05
200	2.011	2.000	34.840	27.844	25.93
210	1.906	1.894	34.845	27.856	24.77
220	1.294	1.283	34.861	27.914	18.95
230	0.886	0.876	34.871	27.950	15.32
240	0.755	0.744	34.873	27.960	14.31

B91.548					
depth	temp	theta	salnty	sig_th	delta
5	6.110	6.109			
10	6.032	6.031	33.408	26.291	172.18
15	6.001	5.999	33.363	26.259	175.24
20	5.916	5.914	33.392	26.293	172.08
25	4.720	4.718	33.816	26.769	126.98
30	2.731	2.729	34.322	27.368	70.09
35	2.188	2.186	34.415	27.488	58.73
40	1.474	1.472	34.440	27.563	51.58
45	-0.126	-0.127	34.416	27.642	43.95
50	-0.106	-0.107	34.438	27.658	42.41
55	-0.066	-0.068	34.509	27.713	37.17
60	0.302	0.300	34.567	27.741	34.63
65	0.494	0.492	34.615	27.768	32.10
70	0.297	0.294	34.635	27.795	29.46
75	0.464	0.461	34.666	27.810	28.07
80	0.806	0.802	34.701	27.818	27.48
85	1.117	1.113	34.734	27.824	26.99
90	1.395	1.390	34.766	27.831	26.41
95	0.899	0.894	34.753	27.854	24.08
100	0.607	0.602	34.736	27.858	23.61
110	0.686	0.681	34.756	27.870	22.56
120	0.745	0.740	34.770	27.877	21.91
130	0.819	0.813	34.783	27.883	21.37
140	1.016	1.010	34.812	27.894	20.49
150	1.100	1.093	34.829	27.902	19.78
160	1.047	1.039	34.838	27.913	18.77
170	1.032	1.024	34.846	27.920	18.12
180	1.103	1.094	34.859	27.926	17.63
190	1.073	1.064	34.865	27.933	16.99
200	0.877	0.868	34.856	27.938	16.36
210	0.803	0.794	34.856	27.943	15.90
220	0.868	0.858	34.869	27.949	15.38
230	0.740	0.729	34.860	27.951	15.18
240	0.833	0.822	34.868	27.952	15.19
250	0.754	0.743	34.868	27.956	14.70
260	0.747	0.735	34.871	27.959	14.43
270	0.655	0.643	34.871	27.965	13.89
280	0.603	0.590	34.870	27.967	13.64
290	0.594	0.581	34.872	27.969	13.44
300	0.614	0.601	34.877	27.973	13.17
310	0.583	0.570	34.879	27.976	12.87
320	0.488	0.474	34.875	27.978	12.56
330	0.442	0.428	34.874	27.980	12.34
340	0.413	0.398	34.874	27.982	12.13
350	0.400	0.385	34.876	27.984	11.92
360	0.380	0.364	34.880	27.989	11.47
370	0.363	0.347	34.883	27.992	11.19
380	0.336	0.320	34.884	27.995	10.91
390	0.308	0.292	34.886	27.998	10.56
400	0.280	0.263	34.887	28.000	10.37
410	0.264	0.247	34.887	28.002	10.20
420	0.219	0.201	34.891	28.007	9.68
430	0.212	0.194	34.890	28.007	9.66
440	0.182	0.164	34.892	28.010	9.36
450	0.159	0.141	34.893	28.012	9.15

B91.548					
depth	temp	theta	salnty	sig_th	delta
460	0.127	0.108	34.893	28.014	8.88
470	0.116	0.097	34.893	28.015	8.82
480	0.091	0.071	34.894	28.017	8.62
490	0.071	0.051	34.895	28.019	8.40
500	0.059	0.039	34.896	28.020	8.27
510	0.045	0.024	34.896	28.021	8.16
520	0.024	0.003	34.897	28.023	7.98
530	0.002	-0.020	34.897	28.024	7.79
540	-0.018	-0.040	34.898	28.026	7.62
550	-0.037	-0.060	34.898	28.027	7.48
560	-0.049	-0.071	34.898	28.028	7.38
570	-0.058	-0.081	34.899	28.029	7.28
580	-0.079	-0.103	34.900	28.031	7.06
590	-0.098	-0.122	34.900	28.032	6.94
600	-0.111	-0.136	34.900	28.033	6.79
610	-0.122	-0.147	34.900	28.033	6.73
620	-0.132	-0.157	34.901	28.034	6.63
630	-0.143	-0.169	34.900	28.035	6.55
640	-0.156	-0.182	34.901	28.036	6.42
650	-0.176	-0.202	34.902	28.038	6.24
660	-0.215	-0.242	34.903	28.040	5.91
670	-0.242	-0.269	34.904	28.042	5.64
680	-0.266	-0.293	34.904	28.044	5.42
690	-0.293	-0.321	34.905	28.046	5.16
700	-0.310	-0.338	34.905	28.047	5.05
710	-0.359	-0.387	34.907	28.051	4.59
720	-0.378	-0.406	34.907	28.052	4.43
730	-0.391	-0.420	34.907	28.053	4.31
740	-0.415	-0.444	34.908	28.055	4.08
750	-0.464	-0.494	34.911	28.059	3.56
760	-0.488	-0.518	34.911	28.060	3.40
770	-0.495	-0.525	34.911	28.061	3.33
780	-0.497	-0.527	34.910	28.060	3.34
790	-0.497	-0.528	34.910	28.061	3.32
800	-0.498	-0.530	34.910	28.061	3.29

B91.550					
depth	temp	theta	salnty	sig_th	delta
5	4.822	4.821	33.718	26.679	135.25
10	4.823	4.823	33.764	26.716	131.84
15	4.777	4.776	33.781	26.734	130.16
20	4.673	4.671	33.809	26.768	126.98
25	3.071	3.069	34.267	27.294	77.09
30	2.294	2.292	34.462	27.517	55.92
35	2.116	2.114	34.504	27.565	51.42
40	1.431	1.429	34.635	27.722	36.50
45	0.997	0.995	34.713	27.815	27.70
50	0.769	0.767	34.733	27.846	24.77
55	0.565	0.562	34.744	27.868	22.67
60	0.457	0.455	34.751	27.879	21.54
65	0.391	0.388	34.754	27.886	20.88
70	0.303	0.300	34.761	27.897	19.90
75	0.201	0.199	34.766	27.906	18.97
80	0.078	0.075	34.772	27.918	17.78
85	0.070	0.067	34.772	27.918	17.80
90	0.007	0.003	34.781	27.930	16.71
95	-0.012	-0.015	34.782	27.931	16.59
100	-0.052	-0.056	34.786	27.937	16.03
110	-0.078	-0.082	34.792	27.943	15.44
120	-0.086	-0.090	34.798	27.948	14.92
130	-0.089	-0.093	34.807	27.956	14.22
140	-0.090	-0.095	34.817	27.964	13.44
150	-0.104	-0.110	34.817	27.965	13.36
160	-0.081	-0.087	34.824	27.969	12.97
170	-0.067	-0.073	34.828	27.972	12.70
180	-0.054	-0.060	34.833	27.974	12.44
190	-0.040	-0.047	34.842	27.981	11.80
200	-0.018	-0.025	34.847	27.984	11.51
210	-0.006	-0.014	34.849	27.985	11.45
220	-0.006	-0.014	34.854	27.989	11.05
230	0.007	-0.002	34.857	27.991	10.88
240	0.022	0.013	34.862	27.994	10.64
250	0.054	0.044	34.867	27.996	10.43
260	0.087	0.077	34.873	28.000	10.12
270	0.086	0.075	34.876	28.002	9.95
280	0.098	0.087	34.878	28.003	9.86
290	0.113	0.101	34.883	28.007	9.53
300	0.120	0.108	34.887	28.009	9.31
310	0.137	0.125	34.889	28.010	9.22
320	0.146	0.133	34.891	28.011	9.13
330	0.130	0.116	34.893	28.014	8.89
340	0.109	0.095	34.894	28.016	8.68
350	0.094	0.080	34.896	28.018	8.47
360	0.076	0.062	34.896	28.019	8.32
370	0.060	0.046	34.897	28.021	8.19
380	0.058	0.043	34.897	28.021	8.18
390	0.045	0.029	34.898	28.022	8.02
400	0.026	0.010	34.899	28.024	7.85
410	-0.003	-0.020	34.899	28.026	7.65
420	-0.014	-0.031	34.899	28.026	7.58
430	-0.034	-0.051	34.900	28.028	7.39
440	-0.043	-0.060	34.900	28.029	7.31
450	-0.054	-0.072	34.900	28.029	7.23

B91.550					
depth	temp	theta	salnty	sig_th	delta
460	-0.085	-0.103	34.901	28.032	6.95
470	-0.106	-0.124	34.902	28.034	6.74
480	-0.118	-0.138	34.901	28.034	6.75
490	-0.142	-0.161	34.902	28.036	6.52
500	-0.158	-0.178	34.902	28.036	6.42
510	-0.179	-0.199	34.903	28.038	6.23
520	-0.194	-0.214	34.904	28.040	6.06
530	-0.212	-0.233	34.903	28.040	5.97
540	-0.228	-0.249	34.903	28.041	5.85
550	-0.258	-0.279	34.904	28.043	5.60
560	-0.276	-0.298	34.904	28.044	5.48
570	-0.281	-0.304	34.904	28.045	5.43
580	-0.311	-0.333	34.905	28.047	5.19
590	-0.322	-0.345	34.905	28.047	5.09
600	-0.345	-0.368	34.905	28.049	4.91
610	-0.354	-0.378	34.905	28.049	4.85
620	-0.356	-0.380	34.906	28.050	4.81
630	-0.367	-0.392	34.906	28.050	4.71
640	-0.372	-0.397	34.906	28.051	4.65
650	-0.368	-0.394	34.906	28.050	4.68
660	-0.367	-0.393	34.906	28.050	4.69
670	-0.382	-0.408	34.906	28.052	4.53
680	-0.407	-0.433	34.907	28.053	4.31
690	-0.414	-0.441	34.907	28.054	4.24
700	-0.419	-0.447	34.907	28.054	4.20
710	-0.425	-0.453	34.907	28.054	4.14
720	-0.435	-0.463	34.908	28.055	4.02
730	-0.443	-0.471	34.908	28.056	3.95
740	-0.451	-0.480	34.908	28.056	3.87
750	-0.460	-0.490	34.908	28.057	3.79
760	-0.475	-0.505	34.908	28.058	3.65
770	-0.478	-0.508	34.909	28.058	3.61
780	-0.489	-0.519	34.909	28.059	3.50
790	-0.494	-0.525	34.909	28.060	3.42
800	-0.499	-0.530	34.909	28.059	3.42
810	-0.508	-0.540	34.909	28.060	3.31
820	-0.519	-0.551	34.909	28.061	3.21
830	-0.524	-0.556	34.909	28.061	3.16
840	-0.528	-0.561	34.910	28.061	3.10
850	-0.528	-0.562	34.910	28.061	3.08
860	-0.527	-0.561	34.910	28.061	3.09
870	-0.532	-0.567	34.910	28.062	3.00
880	-0.535	-0.570	34.910	28.062	2.99
890	-0.536	-0.572	34.910	28.062	2.95
900	-0.536	-0.572	34.910	28.062	2.93
910	-0.535	-0.572	34.910	28.062	2.93
920	-0.537	-0.574	34.909	28.062	2.93
930	-0.539	-0.576	34.910	28.063	2.83
940	-0.545	-0.583	34.911	28.063	2.73
950	-0.550	-0.588	34.911	28.064	2.69
960	-0.552	-0.591	34.911	28.064	2.65
970	-0.553	-0.593	34.911	28.064	2.65
980	-0.554	-0.593	34.910	28.063	2.66
990	-0.555	-0.595	34.911	28.064	2.61
1000	-0.560	-0.601	34.910	28.064	2.57

B91.550					
depth	temp	theta	salnty	sig_th	delta
1010	-0.564	-0.605	34.910	28.064	2.53
1020	-0.575	-0.617	34.911	28.065	2.39
1030	-0.579	-0.620	34.912	28.066	2.31
1040	-0.580	-0.622	34.911	28.066	2.31
1050	-0.583	-0.626	34.911	28.065	2.31
1060	-0.587	-0.630	34.911	28.066	2.23
1070	-0.588	-0.632	34.911	28.066	2.22
1080	-0.592	-0.636	34.911	28.066	2.18
1090	-0.592	-0.637	34.911	28.066	2.17
1100	-0.598	-0.643	34.911	28.066	2.08
1110	-0.601	-0.646	34.912	28.067	2.02
1120	-0.606	-0.652	34.912	28.067	1.97
1130	-0.616	-0.663	34.912	28.068	1.87
1140	-0.622	-0.670	34.912	28.068	1.80
1150	-0.631	-0.678	34.912	28.069	1.71
1160	-0.640	-0.688	34.912	28.069	1.62
1170	-0.639	-0.688	34.912	28.069	1.60
1180	-0.641	-0.690	34.912	28.069	1.59
1190	-0.642	-0.692	34.912	28.069	1.57
1200	-0.644	-0.694	34.912	28.069	1.53
1210	-0.647	-0.698	34.912	28.069	1.47
1220	-0.649	-0.700	34.912	28.070	1.44
1230	-0.650	-0.702	34.912	28.070	1.39
1240	-0.652	-0.704	34.913	28.070	1.34
1250	-0.655	-0.708	34.913	28.070	1.29
1260	-0.658	-0.711	34.913	28.071	1.24
1270	-0.663	-0.717	34.913	28.071	1.17
1280	-0.665	-0.719	34.913	28.071	1.12
1290	-0.666	-0.721	34.914	28.072	1.04
1300	-0.670	-0.725	34.914	28.072	0.98
1310	-0.675	-0.731	34.914	28.073	0.90
1320	-0.678	-0.734	34.914	28.073	0.87
1330	-0.678	-0.735	34.914	28.073	0.84
1340	-0.683	-0.740	34.915	28.074	0.75
1350	-0.685	-0.743	34.915	28.074	0.72
1360	-0.686	-0.744	34.915	28.074	0.69
1370	-0.688	-0.747	34.915	28.074	0.63
1380	-0.688	-0.747	34.915	28.074	0.62
1390	-0.689	-0.749	34.915	28.074	0.56
1400	-0.691	-0.752	34.916	28.075	0.52
1410	-0.694	-0.755	34.917	28.076	0.35
1420	-0.694	-0.756	34.917	28.076	0.31
1430	-0.694	-0.756	34.916	28.075	0.43
1440	-0.694	-0.757	34.916	28.075	0.40
1450	-0.695	-0.758	34.915	28.075	0.44
1460	-0.694	-0.758	34.916	28.075	0.37
1470	-0.694	-0.758	34.916	28.075	0.36
1480	-0.695	-0.759	34.916	28.075	0.32
1490	-0.695	-0.760	34.916	28.075	0.29
1500	-0.696	-0.762	34.916	28.076	0.26
1510	-0.696	-0.762	34.916	28.075	0.26

B91.552					
depth	temp	theta	salnty	sig_th	delta
5	4.469	4.469	33.501	26.545	147.94
10	4.465	4.465	33.513	26.555	147.09
15	4.419	4.418	33.534	26.577	145.04
20	2.805	2.804	34.058	27.150	90.66
25	0.740	0.739	34.368	27.554	52.29
30	0.147	0.146	34.460	27.662	42.01
35	-0.212	-0.213	34.517	27.728	35.81
40	-0.296	-0.297	34.526	27.739	34.73
45	-0.478	-0.480	34.563	27.777	31.11
50	-0.497	-0.499	34.575	27.787	30.09
55	-0.483	-0.485	34.584	27.794	29.44
60	-0.425	-0.427	34.607	27.810	27.92
65	-0.348	-0.351	34.625	27.821	26.92
70	-0.243	-0.246	34.644	27.832	25.93
75	-0.070	-0.073	34.674	27.847	24.50
80	0.171	0.167	34.712	27.865	22.89
85	0.381	0.377	34.747	27.881	21.38
90	0.633	0.629	34.779	27.891	20.50
95	0.956	0.952	34.823	27.907	19.13
100	1.209	1.205	34.860	27.919	18.02
110	1.217	1.212	34.878	27.933	16.79
120	1.179	1.174	34.881	27.938	16.30
130	1.130	1.124	34.884	27.944	15.80
140	0.999	0.993	34.882	27.951	15.08
150	0.983	0.976	34.879	27.950	15.20
160	0.877	0.870	34.874	27.953	14.88
170	0.843	0.835	34.873	27.954	14.80
180	0.817	0.808	34.876	27.959	14.39
190	0.749	0.740	34.874	27.961	14.11
200	0.717	0.709	34.873	27.962	14.05
210	0.712	0.703	34.875	27.964	13.86
220	0.666	0.656	34.877	27.969	13.42
230	0.556	0.547	34.873	27.973	12.99
240	0.537	0.527	34.873	27.974	12.90
250	0.522	0.511	34.876	27.977	12.60
260	0.518	0.507	34.880	27.981	12.27
270	0.419	0.408	34.876	27.983	12.00
280	0.465	0.453	34.883	27.986	11.76
290	0.366	0.354	34.877	27.987	11.54
300	0.342	0.330	34.879	27.990	11.28
310	0.340	0.327	34.882	27.993	11.06
320	0.330	0.317	34.883	27.994	10.90
330	0.317	0.303	34.883	27.995	10.81
340	0.308	0.294	34.884	27.996	10.72
350	0.292	0.277	34.885	27.998	10.51
360	0.279	0.264	34.886	27.999	10.41
370	0.268	0.253	34.887	28.001	10.21
380	0.259	0.243	34.888	28.003	10.09
390	0.244	0.228	34.889	28.004	9.91
400	0.231	0.214	34.890	28.005	9.82
410	0.212	0.195	34.891	28.008	9.60
420	0.188	0.170	34.892	28.010	9.35
430	0.170	0.152	34.893	28.011	9.20
440	0.150	0.132	34.894	28.013	9.00
450	0.091	0.073	34.896	28.018	8.49

B91.552					
depth	temp	theta	salnty	sig_th	delta
460	0.073	0.054	34.895	28.019	8.39
470	0.050	0.030	34.896	28.021	8.16
480	0.035	0.016	34.897	28.022	8.02
490	-0.000	-0.020	34.898	28.025	7.73
500	-0.017	-0.037	34.899	28.027	7.53
510	-0.040	-0.061	34.899	28.028	7.40
520	-0.049	-0.070	34.899	28.028	7.34
530	-0.053	-0.075	34.899	28.029	7.31
540	-0.069	-0.091	34.898	28.029	7.25
550	-0.083	-0.105	34.900	28.031	7.04
560	-0.098	-0.121	34.900	28.032	6.91
570	-0.105	-0.128	34.900	28.033	6.85
580	-0.126	-0.149	34.901	28.034	6.69
590	-0.141	-0.165	34.901	28.035	6.54
600	-0.152	-0.177	34.902	28.036	6.43
610	-0.162	-0.187	34.901	28.036	6.38
620	-0.168	-0.193	34.902	28.037	6.29
630	-0.183	-0.208	34.903	28.039	6.13
640	-0.184	-0.210	34.902	28.038	6.14
650	-0.194	-0.220	34.903	28.040	5.99
660	-0.203	-0.229	34.903	28.040	5.95
670	-0.207	-0.234	34.903	28.040	5.92
680	-0.217	-0.245	34.903	28.041	5.83
690	-0.234	-0.262	34.905	28.043	5.61
700	-0.256	-0.285	34.905	28.045	5.40
710	-0.275	-0.304	34.906	28.046	5.22
720	-0.285	-0.315	34.906	28.046	5.15
730	-0.294	-0.324	34.906	28.047	5.05
740	-0.300	-0.330	34.906	28.047	5.03
750	-0.315	-0.345	34.907	28.049	4.84
760	-0.325	-0.356	34.907	28.050	4.73
770	-0.333	-0.364	34.907	28.050	4.69
780	-0.350	-0.381	34.908	28.051	4.51
790	-0.358	-0.390	34.908	28.052	4.43
800	-0.365	-0.397	34.908	28.052	4.37
810	-0.370	-0.403	34.908	28.053	4.31
820	-0.375	-0.408	34.909	28.053	4.24
830	-0.385	-0.418	34.909	28.054	4.16
840	-0.398	-0.432	34.909	28.055	4.00
850	-0.411	-0.446	34.910	28.056	3.87
860	-0.419	-0.454	34.910	28.057	3.79
870	-0.422	-0.457	34.910	28.057	3.76
880	-0.431	-0.467	34.911	28.058	3.60
890	-0.441	-0.477	34.911	28.059	3.50
900	-0.454	-0.491	34.912	28.060	3.34
910	-0.462	-0.499	34.912	28.060	3.29
920	-0.467	-0.505	34.912	28.060	3.24
930	-0.469	-0.507	34.912	28.060	3.23
940	-0.469	-0.507	34.909	28.059	3.39
950	-0.470	-0.509	34.911	28.060	3.22
960	-0.473	-0.513	34.911	28.060	3.18
970	-0.483	-0.523	34.912	28.061	3.08
980	-0.482	-0.522	34.912	28.061	3.08
990	-0.490	-0.531	34.912	28.062	2.95
1000	-0.498	-0.539	34.912	28.063	2.86

B91.552					
depth	temp	theta	salnty	sig_th	delta
1010	-0.505	-0.546	34.912	28.063	2.80
1020	-0.508	-0.550	34.912	28.063	2.77
1030	-0.517	-0.560	34.913	28.064	2.67
1040	-0.529	-0.572	34.913	28.065	2.52
1050	-0.536	-0.579	34.913	28.065	2.49
1060	-0.539	-0.582	34.913	28.065	2.43
1070	-0.542	-0.586	34.913	28.065	2.40
1080	-0.542	-0.587	34.913	28.065	2.37
1090	-0.545	-0.590	34.913	28.065	2.35
1100	-0.547	-0.593	34.913	28.066	2.30
1110	-0.547	-0.594	34.913	28.066	2.29
1120	-0.548	-0.595	34.913	28.066	2.28
1130	-0.547	-0.594	34.913	28.066	2.24
1140	-0.548	-0.596	34.913	28.066	2.24
1150	-0.548	-0.596	34.914	28.067	2.15
1160	-0.550	-0.599	34.913	28.066	2.18
1170	-0.549	-0.598	34.914	28.066	2.15
1180	-0.549	-0.599	34.914	28.066	2.15
1190	-0.548	-0.599	34.913	28.066	2.17
1200	-0.548	-0.599	34.914	28.066	2.12
1210	-0.548	-0.600	34.913	28.066	2.12

B91.553					
depth	temp	theta	salnty	sig_th	delta
5	4.764	4.764	33.423	26.452	156.84
10	4.765	4.765	33.423	26.452	156.89
15	4.700	4.699	33.428	26.463	155.91
20	1.180	1.179	34.323	27.489	58.46
25	0.137	0.136	34.449	27.654	42.77
30	-0.240	-0.241	34.498	27.713	37.14
35	-0.486	-0.487	34.530	27.751	33.61
40	-0.647	-0.648	34.540	27.766	32.12
45	-0.680	-0.682	34.541	27.768	31.88
50	-0.668	-0.669	34.549	27.775	31.28
55	-0.693	-0.695	34.561	27.785	30.28
60	-0.723	-0.724	34.582	27.803	28.53
65	-0.589	-0.591	34.609	27.820	27.00
70	-0.452	-0.455	34.628	27.829	26.16
75	-0.215	-0.218	34.661	27.844	24.80
80	0.018	0.015	34.694	27.859	23.40
85	0.296	0.293	34.734	27.876	21.88
90	0.651	0.647	34.786	27.896	20.02
95	0.780	0.776	34.809	27.907	19.08
100	0.885	0.880	34.824	27.912	18.63
110	0.974	0.969	34.853	27.930	17.00
120	1.346	1.340	34.891	27.935	16.69
130	1.298	1.291	34.897	27.943	15.96
140	1.224	1.218	34.896	27.947	15.52
150	1.121	1.114	34.891	27.950	15.21
160	0.996	0.988	34.887	27.955	14.72
170	0.889	0.882	34.881	27.958	14.45
180	0.781	0.773	34.874	27.959	14.29
190	0.676	0.668	34.872	27.964	13.79
200	0.629	0.621	34.871	27.966	13.62
210	0.557	0.548	34.869	27.969	13.30
220	0.518	0.508	34.871	27.973	12.90
230	0.458	0.448	34.870	27.976	12.60
240	0.463	0.453	34.873	27.978	12.42
250	0.455	0.445	34.874	27.980	12.30
260	0.451	0.440	34.876	27.981	12.15
270	0.446	0.435	34.878	27.983	12.00
280	0.444	0.432	34.879	27.984	11.92
290	0.437	0.425	34.880	27.986	11.76
300	0.417	0.404	34.884	27.990	11.39
310	0.395	0.382	34.884	27.991	11.21
320	0.355	0.342	34.886	27.995	10.82
330	0.343	0.329	34.887	27.997	10.70
340	0.322	0.308	34.888	27.999	10.51
350	0.301	0.287	34.888	28.000	10.36
360	0.229	0.214	34.889	28.005	9.87
370	0.204	0.189	34.888	28.006	9.76
380	0.177	0.161	34.888	28.007	9.59
390	0.148	0.132	34.889	28.009	9.35
400	0.125	0.109	34.890	28.011	9.15
410	0.104	0.087	34.891	28.013	8.93
420	0.086	0.069	34.892	28.015	8.72
430	0.069	0.052	34.893	28.017	8.55
440	0.047	0.029	34.894	28.019	8.34
450	0.020	0.002	34.894	28.021	8.12

B91.553					
depth	temp	theta	salnty	sig_th	delta
460	0.010	-0.009	34.895	28.022	8.03
470	-0.003	-0.022	34.895	28.023	7.91
480	-0.017	-0.037	34.896	28.024	7.77
490	-0.035	-0.055	34.897	28.026	7.59
500	-0.043	-0.063	34.898	28.027	7.47
510	-0.048	-0.069	34.897	28.027	7.47
520	-0.081	-0.102	34.898	28.030	7.16
530	-0.103	-0.124	34.899	28.031	6.97
540	-0.117	-0.138	34.899	28.032	6.86
550	-0.129	-0.151	34.899	28.033	6.77
560	-0.170	-0.193	34.901	28.037	6.37
570	-0.186	-0.209	34.901	28.038	6.23
580	-0.205	-0.228	34.902	28.039	6.06
590	-0.232	-0.256	34.903	28.041	5.81
600	-0.245	-0.269	34.903	28.042	5.75
610	-0.258	-0.282	34.903	28.043	5.63
620	-0.262	-0.287	34.903	28.043	5.58
630	-0.276	-0.300	34.904	28.044	5.45
640	-0.276	-0.302	34.904	28.044	5.43
650	-0.288	-0.314	34.904	28.045	5.35
660	-0.295	-0.321	34.904	28.046	5.24
670	-0.309	-0.336	34.905	28.047	5.12
680	-0.325	-0.351	34.905	28.048	4.99
690	-0.337	-0.364	34.906	28.049	4.85
700	-0.346	-0.374	34.906	28.050	4.75
710	-0.351	-0.379	34.906	28.050	4.72
720	-0.362	-0.391	34.906	28.050	4.63
730	-0.370	-0.399	34.906	28.051	4.53
740	-0.380	-0.410	34.907	28.052	4.43
750	-0.392	-0.422	34.907	28.053	4.32
760	-0.398	-0.428	34.906	28.053	4.31
770	-0.410	-0.441	34.908	28.054	4.12
780	-0.416	-0.447	34.907	28.054	4.14
790	-0.424	-0.455	34.908	28.055	4.02
800	-0.434	-0.466	34.909	28.056	3.86
810	-0.442	-0.474	34.908	28.056	3.82
820	-0.446	-0.478	34.909	28.057	3.75
830	-0.453	-0.486	34.909	28.057	3.68
840	-0.460	-0.493	34.909	28.058	3.59
850	-0.468	-0.502	34.909	28.058	3.50
860	-0.473	-0.508	34.910	28.059	3.42
870	-0.482	-0.517	34.910	28.060	3.32
880	-0.490	-0.525	34.910	28.060	3.27
890	-0.496	-0.532	34.910	28.060	3.22
900	-0.505	-0.541	34.910	28.061	3.11
910	-0.513	-0.549	34.911	28.062	3.03
920	-0.518	-0.555	34.910	28.062	2.99
930	-0.521	-0.559	34.911	28.062	2.94
940	-0.526	-0.564	34.911	28.063	2.86
950	-0.529	-0.568	34.912	28.063	2.78
960	-0.535	-0.574	34.911	28.063	2.79
970	-0.542	-0.581	34.912	28.064	2.67
980	-0.548	-0.588	34.912	28.064	2.59
990	-0.549	-0.589	34.911	28.064	2.65
1000	-0.552	-0.593	34.912	28.064	2.54

B91.553					
depth	temp	theta	salnty	sig_th	delta
1010	-0.553	-0.595	34.911	28.064	2.59
1020	-0.559	-0.600	34.911	28.064	2.52
1030	-0.568	-0.610	34.911	28.065	2.40
1040	-0.572	-0.615	34.911	28.065	2.38
1050	-0.576	-0.619	34.913	28.066	2.22
1060	-0.582	-0.625	34.913	28.067	2.16
1070	-0.584	-0.628	34.913	28.067	2.11
1080	-0.590	-0.635	34.912	28.067	2.10
1090	-0.594	-0.639	34.912	28.067	2.07
1100	-0.599	-0.644	34.912	28.067	2.02
1110	-0.602	-0.648	34.912	28.067	1.95
1120	-0.605	-0.651	34.912	28.068	1.91
1130	-0.606	-0.653	34.912	28.068	1.91
1140	-0.608	-0.655	34.913	28.068	1.83
1150	-0.612	-0.660	34.913	28.068	1.78
1160	-0.616	-0.664	34.913	28.068	1.75
1170	-0.617	-0.666	34.913	28.069	1.69
1180	-0.620	-0.669	34.913	28.069	1.69
1190	-0.624	-0.673	34.913	28.069	1.60
1200	-0.626	-0.676	34.913	28.069	1.59
1210	-0.628	-0.679	34.913	28.069	1.54
1220	-0.631	-0.682	34.913	28.070	1.50
1230	-0.635	-0.687	34.914	28.070	1.40
1240	-0.638	-0.690	34.914	28.071	1.36
1250	-0.639	-0.692	34.914	28.071	1.33
1260	-0.640	-0.693	34.913	28.070	1.39
1270	-0.644	-0.697	34.914	28.071	1.24
1280	-0.644	-0.699	34.914	28.071	1.24
1290	-0.645	-0.700	34.914	28.071	1.22
1300	-0.646	-0.701	34.914	28.071	1.20
1310	-0.649	-0.705	34.914	28.071	1.15
1320	-0.652	-0.708	34.914	28.072	1.08
1330	-0.656	-0.713	34.914	28.072	1.04
1340	-0.658	-0.716	34.914	28.072	0.99
1350	-0.662	-0.720	34.914	28.072	0.96
1360	-0.666	-0.724	34.914	28.073	0.87
1370	-0.667	-0.726	34.914	28.073	0.87
1380	-0.671	-0.730	34.914	28.073	0.83
1390	-0.686	-0.746	34.914	28.073	0.67
1400	-0.694	-0.754	34.914	28.073	0.65
1410	-0.692	-0.753	34.916	28.075	0.45

B91.554					
depth	temp	theta	salnty	sig_th	delta
5	5.728	5.727	34.538	27.222	83.83
10	5.699	5.698	34.536	27.224	83.68
15	5.705	5.704	34.536	27.223	83.81
20	5.707	5.706	34.536	27.223	83.93
25	5.684	5.682	34.535	27.225	83.80
30	5.623	5.621	34.532	27.230	83.34
35	3.722	3.720	34.768	27.631	45.37
40	2.866	2.864	34.798	27.736	35.33
45	2.454	2.451	34.792	27.768	32.30
50	1.947	1.944	34.796	27.813	28.06
55	1.777	1.774	34.794	27.824	26.93
60	1.361	1.358	34.796	27.857	23.81
65	1.054	1.051	34.792	27.875	22.07
70	0.960	0.957	34.794	27.883	21.35
75	0.835	0.832	34.794	27.891	20.52
80	0.593	0.590	34.795	27.907	18.96
85	0.458	0.454	34.797	27.917	18.02
90	0.340	0.337	34.797	27.924	17.34
95	0.262	0.258	34.798	27.929	16.84
100	0.219	0.215	34.801	27.934	16.36
110	0.150	0.146	34.806	27.942	15.59
120	0.171	0.166	34.814	27.947	15.11
130	0.183	0.178	34.820	27.951	14.75
140	0.159	0.153	34.823	27.955	14.40
150	0.188	0.183	34.828	27.958	14.14
160	0.183	0.177	34.833	27.962	13.74
170	0.205	0.199	34.843	27.969	13.11
180	0.232	0.225	34.849	27.972	12.81
190	0.269	0.261	34.856	27.975	12.54
200	0.252	0.244	34.859	27.979	12.19
210	0.235	0.226	34.863	27.983	11.79
220	0.278	0.269	34.872	27.988	11.38
230	0.300	0.291	34.879	27.992	10.97
240	0.286	0.277	34.883	27.997	10.59
250	0.285	0.274	34.888	28.000	10.23
260	0.262	0.252	34.892	28.005	9.77
270	0.227	0.216	34.895	28.009	9.35
280	0.188	0.177	34.896	28.013	9.02
290	0.154	0.142	34.897	28.015	8.77
300	0.133	0.121	34.897	28.016	8.64
310	0.096	0.084	34.898	28.019	8.34
320	0.080	0.067	34.898	28.020	8.22
330	0.055	0.042	34.899	28.022	8.02
340	0.011	-0.003	34.899	28.025	7.70
350	-0.014	-0.028	34.900	28.027	7.49
360	-0.026	-0.040	34.900	28.027	7.45
370	-0.043	-0.058	34.900	28.029	7.30
380	-0.083	-0.098	34.901	28.032	6.97
390	-0.089	-0.105	34.901	28.032	6.93
400	-0.108	-0.124	34.901	28.033	6.81
410	-0.129	-0.145	34.902	28.035	6.61
420	-0.167	-0.184	34.903	28.038	6.31
430	-0.180	-0.197	34.903	28.038	6.27
440	-0.200	-0.217	34.904	28.040	6.06
450	-0.215	-0.232	34.903	28.040	6.05

B91.554					
depth	temp	theta	salnty	sig_th	delta
460	-0.218	-0.236	34.902	28.040	6.05
470	-0.243	-0.261	34.904	28.042	5.77
480	-0.248	-0.266	34.904	28.042	5.74
490	-0.256	-0.275	34.903	28.043	5.71
500	-0.288	-0.307	34.904	28.045	5.44
510	-0.303	-0.323	34.904	28.046	5.35
520	-0.318	-0.338	34.905	28.047	5.19
530	-0.329	-0.349	34.905	28.047	5.14
540	-0.354	-0.375	34.905	28.049	4.93
550	-0.374	-0.395	34.905	28.050	4.79
560	-0.386	-0.408	34.906	28.051	4.68
570	-0.393	-0.415	34.905	28.051	4.67
580	-0.413	-0.436	34.905	28.052	4.55
590	-0.428	-0.451	34.905	28.052	4.45
600	-0.437	-0.460	34.905	28.053	4.36
610	-0.452	-0.475	34.905	28.054	4.26
620	-0.460	-0.484	34.905	28.054	4.18
630	-0.483	-0.507	34.906	28.056	3.97
640	-0.486	-0.511	34.906	28.056	3.95
650	-0.492	-0.517	34.906	28.056	3.88
660	-0.504	-0.530	34.907	28.057	3.76
670	-0.512	-0.538	34.906	28.058	3.69
680	-0.519	-0.545	34.907	28.058	3.63
690	-0.532	-0.558	34.907	28.059	3.50
700	-0.538	-0.564	34.907	28.060	3.43
710	-0.552	-0.579	34.908	28.061	3.26
720	-0.564	-0.591	34.909	28.062	3.11
730	-0.575	-0.603	34.909	28.062	3.05
740	-0.581	-0.609	34.909	28.063	2.95
750	-0.584	-0.613	34.909	28.063	2.94
760	-0.597	-0.626	34.909	28.064	2.83
770	-0.603	-0.632	34.909	28.064	2.78
780	-0.608	-0.638	34.908	28.064	2.77
790	-0.616	-0.646	34.910	28.065	2.59
800	-0.623	-0.653	34.909	28.065	2.56
810	-0.626	-0.658	34.910	28.066	2.50
820	-0.632	-0.664	34.911	28.067	2.36
830	-0.638	-0.670	34.911	28.067	2.32
840	-0.643	-0.675	34.910	28.067	2.32
850	-0.645	-0.678	34.910	28.067	2.30
860	-0.648	-0.681	34.910	28.067	2.25
870	-0.655	-0.689	34.910	28.068	2.15
880	-0.661	-0.695	34.911	28.068	2.08
890	-0.663	-0.698	34.911	28.068	2.04
900	-0.666	-0.701	34.911	28.068	2.00
910	-0.673	-0.708	34.912	28.070	1.86
920	-0.671	-0.707	34.910	28.069	1.94
930	-0.682	-0.718	34.911	28.069	1.83
940	-0.688	-0.724	34.911	28.070	1.73
950	-0.690	-0.727	34.911	28.070	1.69
960	-0.699	-0.736	34.912	28.071	1.57
970	-0.701	-0.739	34.912	28.071	1.54
980	-0.706	-0.744	34.912	28.072	1.48
990	-0.707	-0.746	34.912	28.071	1.46
1000	-0.709	-0.748	34.912	28.072	1.43

B91.554					
depth	temp	theta	salnty	sig_th	delta
1010	-0.712	-0.752	34.912	28.072	1.38
1020	-0.713	-0.754	34.912	28.072	1.35
1030	-0.718	-0.758	34.912	28.072	1.28
1040	-0.729	-0.770	34.913	28.073	1.17
1050	-0.729	-0.771	34.912	28.073	1.17
1060	-0.730	-0.772	34.913	28.073	1.11
1070	-0.731	-0.773	34.913	28.073	1.09
1080	-0.731	-0.774	34.912	28.073	1.12
1090	-0.732	-0.776	34.912	28.073	1.05
1100	-0.736	-0.780	34.912	28.073	1.01
1110	-0.735	-0.780	34.912	28.073	1.00
1120	-0.737	-0.782	34.912	28.073	0.96
1130	-0.738	-0.783	34.913	28.074	0.88
1140	-0.739	-0.785	34.913	28.074	0.87
1150	-0.739	-0.786	34.912	28.073	0.90
1160	-0.741	-0.788	34.912	28.073	0.87

B91.555					
depth	temp	theta	salnty	sig_th	delta
5	5.998	5.997	34.465	27.130	92.52
10	5.993	5.992	34.465	27.131	92.53
15	5.990	5.989	34.465	27.131	92.55
20	5.988	5.986	34.464	27.131	92.61
25	5.989	5.987	34.465	27.131	92.69
30	5.991	5.988	34.464	27.131	92.79
35	5.527	5.524	34.498	27.215	84.84
40	3.123	3.121	34.777	27.696	39.18
45	2.750	2.747	34.775	27.728	36.11
50	2.351	2.348	34.784	27.770	32.16
55	1.817	1.814	34.789	27.818	27.58
60	1.601	1.598	34.789	27.833	26.07
65	1.377	1.374	34.795	27.855	24.04
70	1.057	1.054	34.795	27.877	21.91
75	0.903	0.900	34.792	27.885	21.11
80	0.808	0.805	34.795	27.894	20.27
85	0.744	0.740	34.797	27.899	19.76
90	0.686	0.682	34.800	27.906	19.15
95	0.627	0.623	34.805	27.913	18.47
100	0.619	0.614	34.810	27.918	18.00
110	0.520	0.515	34.810	27.924	17.41
120	0.422	0.417	34.813	27.932	16.62
130	0.408	0.403	34.817	27.936	16.23
140	0.378	0.372	34.820	27.940	15.86
150	0.279	0.273	34.821	27.947	15.20
160	0.252	0.246	34.823	27.950	14.89
170	0.184	0.178	34.821	27.952	14.65
180	0.125	0.118	34.821	27.955	14.33
190	0.110	0.103	34.823	27.958	14.10
200	0.213	0.205	34.833	27.960	13.95
210	0.214	0.205	34.838	27.964	13.55
220	0.299	0.290	34.848	27.968	13.29
230	0.359	0.350	34.859	27.973	12.84
240	0.399	0.389	34.868	27.978	12.39
250	0.330	0.319	34.870	27.984	11.81
260	0.349	0.339	34.875	27.987	11.56
270	0.401	0.390	34.884	27.991	11.23
280	0.362	0.351	34.888	27.997	10.67
290	0.320	0.308	34.891	28.001	10.22
300	0.261	0.249	34.891	28.005	9.83
310	0.234	0.221	34.892	28.007	9.61
320	0.204	0.191	34.894	28.010	9.26
330	0.184	0.171	34.896	28.013	9.05
340	0.163	0.149	34.897	28.015	8.84
350	0.134	0.120	34.898	28.017	8.58
360	0.115	0.100	34.898	28.018	8.45
370	0.093	0.079	34.899	28.020	8.27
380	0.063	0.048	34.899	28.022	8.02
390	0.047	0.032	34.900	28.024	7.91
400	0.020	0.004	34.900	28.025	7.70
410	0.015	-0.002	34.900	28.026	7.68
420	-0.007	-0.024	34.901	28.027	7.47
430	-0.026	-0.043	34.901	28.029	7.34
440	-0.046	-0.063	34.902	28.030	7.17
450	-0.066	-0.084	34.902	28.031	7.03

B91.555					
depth	temp	theta	salnty	sig_th	delta
460	-0.095	-0.113	34.902	28.033	6.84
470	-0.119	-0.137	34.902	28.035	6.66
480	-0.138	-0.157	34.902	28.036	6.53
490	-0.156	-0.175	34.902	28.037	6.41
500	-0.176	-0.196	34.902	28.037	6.30
510	-0.196	-0.216	34.903	28.039	6.13
520	-0.211	-0.232	34.903	28.040	5.99
530	-0.226	-0.247	34.903	28.041	5.89
540	-0.236	-0.257	34.902	28.041	5.88
550	-0.256	-0.277	34.904	28.043	5.63
560	-0.286	-0.308	34.904	28.045	5.43
570	-0.297	-0.319	34.904	28.045	5.36
580	-0.311	-0.334	34.904	28.046	5.26
590	-0.332	-0.355	34.904	28.047	5.09
600	-0.348	-0.371	34.904	28.048	4.97
610	-0.355	-0.379	34.904	28.048	4.92
620	-0.373	-0.397	34.906	28.051	4.68
630	-0.384	-0.409	34.905	28.050	4.69
640	-0.396	-0.421	34.905	28.051	4.58
650	-0.411	-0.436	34.906	28.052	4.42
660	-0.424	-0.450	34.906	28.053	4.32
670	-0.447	-0.473	34.905	28.054	4.19
680	-0.455	-0.482	34.906	28.054	4.11
690	-0.470	-0.497	34.906	28.055	3.98
700	-0.478	-0.505	34.907	28.056	3.85
710	-0.488	-0.516	34.906	28.056	3.82
720	-0.502	-0.530	34.907	28.058	3.67
730	-0.511	-0.539	34.907	28.058	3.61
740	-0.515	-0.543	34.906	28.058	3.59
750	-0.525	-0.555	34.907	28.059	3.45
760	-0.529	-0.558	34.905	28.058	3.54
770	-0.533	-0.563	34.906	28.059	3.42
780	-0.542	-0.572	34.908	28.060	3.24
790	-0.549	-0.580	34.908	28.061	3.17
800	-0.559	-0.590	34.908	28.061	3.08
810	-0.567	-0.598	34.908	28.062	3.02
820	-0.578	-0.609	34.908	28.062	2.91
830	-0.586	-0.618	34.909	28.063	2.79
840	-0.593	-0.626	34.908	28.063	2.78
850	-0.602	-0.635	34.909	28.064	2.68
860	-0.608	-0.641	34.910	28.065	2.54
870	-0.611	-0.645	34.909	28.064	2.57
880	-0.619	-0.653	34.909	28.065	2.49
890	-0.625	-0.660	34.909	28.065	2.42
900	-0.629	-0.664	34.909	28.066	2.34
910	-0.632	-0.668	34.910	28.066	2.27
920	-0.638	-0.674	34.910	28.067	2.22
930	-0.645	-0.681	34.911	28.068	2.04
940	-0.655	-0.692	34.911	28.068	2.00
950	-0.660	-0.697	34.910	28.068	1.96
960	-0.664	-0.702	34.910	28.068	1.92
970	-0.668	-0.706	34.911	28.069	1.85
980	-0.669	-0.708	34.911	28.069	1.83
990	-0.674	-0.713	34.911	28.069	1.77
1000	-0.682	-0.722	34.911	28.070	1.65

B91.555					
depth	temp	theta	salnty	sig_th	delta
1010	-0.685	-0.725	34.911	28.070	1.60
1020	-0.688	-0.729	34.911	28.070	1.58
1030	-0.693	-0.734	34.911	28.070	1.55
1040	-0.697	-0.739	34.911	28.071	1.48
1050	-0.702	-0.744	34.912	28.071	1.37
1060	-0.705	-0.747	34.911	28.071	1.37
1070	-0.709	-0.752	34.911	28.071	1.34
1080	-0.714	-0.757	34.913	28.073	1.16
1090	-0.718	-0.762	34.913	28.073	1.13
1100	-0.722	-0.766	34.912	28.072	1.17
1110	-0.729	-0.774	34.913	28.073	1.02
1120	-0.735	-0.780	34.912	28.073	1.02
1130	-0.737	-0.782	34.911	28.073	1.03
1140	-0.739	-0.785	34.911	28.073	0.97
1150	-0.744	-0.790	34.912	28.074	0.85
1160	-0.745	-0.792	34.914	28.075	0.72
1170	-0.747	-0.795	34.911	28.073	0.87
1180	-0.750	-0.798	34.912	28.074	0.77
1190	-0.752	-0.801	34.912	28.074	0.73
1200	-0.756	-0.805	34.913	28.075	0.64
1210	-0.756	-0.806	34.912	28.074	0.69
1220	-0.759	-0.809	34.912	28.075	0.59
1230	-0.762	-0.812	34.912	28.075	0.56
1240	-0.764	-0.815	34.912	28.075	0.52
1250	-0.765	-0.817	34.913	28.075	0.46
1260	-0.767	-0.819	34.913	28.075	0.41
1270	-0.770	-0.822	34.914	28.076	0.32
1280	-0.770	-0.823	34.912	28.075	0.40
1290	-0.773	-0.826	34.913	28.076	0.28
1300	-0.773	-0.827	34.913	28.076	0.30
1310	-0.773	-0.828	34.912	28.075	0.33
1320	-0.775	-0.830	34.912	28.075	0.31
1330	-0.776	-0.832	34.912	28.076	0.22
1340	-0.777	-0.833	34.913	28.076	0.19
1350	-0.778	-0.835	34.913	28.076	0.14
1360	-0.779	-0.836	34.912	28.076	0.16
1370	-0.779	-0.837	34.912	28.076	0.15
1380	-0.780	-0.839	34.913	28.077	0.04
1390	-0.781	-0.840	34.912	28.076	0.07
1400	-0.782	-0.841	34.912	28.076	0.06
1410	-0.783	-0.842	34.912	28.076	0.01
1420	-0.784	-0.844	34.913	28.077	-0.08
1430	-0.784	-0.845	34.912	28.076	-0.05
1440	-0.784	-0.846	34.912	28.076	-0.03
1450	-0.785	-0.847	34.912	28.076	-0.08
1460	-0.786	-0.848	34.913	28.077	-0.19
1470	-0.786	-0.849	34.912	28.076	-0.14
1480	-0.786	-0.849	34.912	28.076	-0.14
1490	-0.787	-0.851	34.912	28.076	-0.17
1500	-0.787	-0.852	34.912	28.076	-0.20
1510	-0.788	-0.853	34.912	28.076	-0.22
1520	-0.788	-0.854	34.912	28.076	-0.25
1530	-0.788	-0.854	34.912	28.077	-0.28
1540	-0.788	-0.855	34.913	28.077	-0.31
1550	-0.789	-0.856	34.913	28.077	-0.35

B91.555					
depth	temp	theta	salnty	sig_th	delta
1560	-0.789	-0.857	34.912	28.077	-0.36
1570	-0.790	-0.859	34.914	28.078	-0.51

B91.556					
depth	temp	theta	salnty	sig_th	delta
5	5.554	5.554	34.605	27.297	76.74
10	5.540	5.539	34.609	27.302	76.32
15	5.538	5.536	34.611	27.303	76.24
20	5.579	5.577	34.629	27.313	75.43
25	5.602	5.600	34.636	27.315	75.25
30	4.051	4.048	34.715	27.554	52.58
35	2.476	2.474	34.761	27.741	34.80
40	2.091	2.089	34.765	27.777	31.41
45	1.732	1.729	34.775	27.813	27.99
50	1.123	1.121	34.761	27.845	24.85
55	1.115	1.113	34.771	27.854	24.07
60	1.006	1.004	34.774	27.864	23.13
65	0.984	0.981	34.778	27.868	22.68
70	0.820	0.817	34.784	27.884	21.22
75	0.713	0.709	34.783	27.890	20.61
80	0.703	0.699	34.791	27.897	19.92
85	0.652	0.649	34.798	27.905	19.16
90	0.639	0.635	34.804	27.911	18.62
95	0.684	0.680	34.807	27.911	18.62
100	0.696	0.691	34.817	27.919	17.95
110	0.565	0.561	34.817	27.926	17.22
120	0.485	0.480	34.821	27.935	16.39
130	0.519	0.514	34.830	27.940	15.93
140	0.374	0.368	34.828	27.947	15.21
150	0.360	0.354	34.833	27.951	14.81
160	0.359	0.353	34.838	27.956	14.41
170	0.324	0.317	34.839	27.959	14.10
180	0.306	0.299	34.841	27.962	13.84
190	0.280	0.272	34.847	27.968	13.26
200	0.283	0.275	34.850	27.970	13.05
210	0.278	0.269	34.854	27.973	12.75
220	0.282	0.273	34.859	27.977	12.40
230	0.280	0.270	34.862	27.980	12.11
240	0.352	0.342	34.873	27.984	11.78
250	0.331	0.320	34.878	27.990	11.27
260	0.357	0.347	34.882	27.992	11.11
270	0.352	0.341	34.886	27.995	10.77
280	0.331	0.319	34.888	27.998	10.50
290	0.339	0.327	34.892	28.001	10.28
300	0.274	0.262	34.893	28.006	9.75
310	0.261	0.248	34.893	28.006	9.75
320	0.220	0.207	34.893	28.008	9.48
330	0.193	0.180	34.894	28.011	9.24
340	0.152	0.138	34.895	28.014	8.90
350	0.129	0.115	34.895	28.015	8.75
360	0.112	0.098	34.896	28.017	8.55
370	0.083	0.068	34.897	28.019	8.36
380	0.065	0.050	34.897	28.020	8.23
390	0.053	0.037	34.897	28.021	8.17
400	0.039	0.023	34.897	28.022	8.05
410	0.021	0.004	34.898	28.024	7.86
420	0.018	0.001	34.898	28.024	7.81
430	0.001	-0.017	34.899	28.026	7.65
440	-0.025	-0.042	34.900	28.028	7.43
450	-0.054	-0.072	34.900	28.030	7.22

B91.556					
depth	temp	theta	salnty	sig_th	delta
460	-0.078	-0.096	34.900	28.031	7.06
470	-0.098	-0.117	34.900	28.032	6.96
480	-0.118	-0.137	34.901	28.033	6.78
490	-0.135	-0.154	34.901	28.034	6.67
500	-0.147	-0.167	34.901	28.035	6.56
510	-0.160	-0.181	34.901	28.036	6.46
520	-0.183	-0.204	34.902	28.037	6.28
530	-0.201	-0.222	34.902	28.039	6.13
540	-0.223	-0.244	34.902	28.040	5.96
550	-0.231	-0.252	34.902	28.041	5.90
560	-0.241	-0.263	34.903	28.041	5.81
570	-0.257	-0.279	34.903	28.042	5.67
580	-0.275	-0.297	34.904	28.044	5.46
590	-0.290	-0.313	34.903	28.044	5.44
600	-0.306	-0.329	34.904	28.046	5.27
610	-0.321	-0.345	34.904	28.047	5.15
620	-0.344	-0.368	34.904	28.048	4.98
630	-0.353	-0.378	34.905	28.049	4.85
640	-0.368	-0.393	34.905	28.050	4.75
650	-0.382	-0.407	34.905	28.051	4.63
660	-0.396	-0.422	34.906	28.052	4.50
670	-0.414	-0.440	34.906	28.053	4.36
680	-0.424	-0.451	34.906	28.053	4.26
690	-0.434	-0.461	34.906	28.054	4.19
700	-0.443	-0.470	34.906	28.054	4.12
710	-0.457	-0.484	34.907	28.055	3.98
720	-0.464	-0.492	34.907	28.056	3.90
730	-0.469	-0.498	34.906	28.056	3.91
740	-0.474	-0.503	34.907	28.056	3.83
750	-0.485	-0.515	34.907	28.057	3.74
760	-0.492	-0.522	34.908	28.058	3.58
770	-0.500	-0.530	34.908	28.058	3.54
780	-0.515	-0.545	34.908	28.059	3.40
790	-0.525	-0.556	34.908	28.060	3.34
800	-0.532	-0.563	34.908	28.060	3.25
810	-0.540	-0.572	34.908	28.061	3.18
820	-0.557	-0.589	34.908	28.062	3.05
830	-0.563	-0.595	34.909	28.062	2.96
840	-0.569	-0.602	34.908	28.062	2.93
850	-0.572	-0.606	34.909	28.063	2.86
860	-0.582	-0.616	34.909	28.063	2.78
870	-0.587	-0.621	34.909	28.063	2.72
880	-0.591	-0.625	34.910	28.064	2.62
890	-0.596	-0.631	34.910	28.065	2.55
900	-0.604	-0.639	34.910	28.065	2.50
910	-0.607	-0.642	34.910	28.065	2.46
920	-0.609	-0.645	34.910	28.065	2.42
930	-0.614	-0.651	34.911	28.066	2.31
940	-0.618	-0.655	34.910	28.066	2.28
950	-0.622	-0.659	34.911	28.067	2.22
960	-0.625	-0.664	34.910	28.067	2.18
970	-0.631	-0.670	34.911	28.068	2.08
980	-0.637	-0.676	34.911	28.068	2.03
990	-0.640	-0.680	34.911	28.068	1.97
1000	-0.644	-0.684	34.912	28.069	1.88

B91.556					
depth	temp	theta	salnty	sig_th	delta
1010	-0.652	-0.692	34.911	28.069	1.83
1020	-0.655	-0.696	34.912	28.069	1.77
1030	-0.659	-0.700	34.912	28.069	1.74
1040	-0.662	-0.704	34.912	28.070	1.68
1050	-0.669	-0.712	34.912	28.070	1.60
1060	-0.677	-0.719	34.912	28.070	1.53
1070	-0.681	-0.725	34.913	28.071	1.44
1080	-0.685	-0.728	34.913	28.071	1.39
1090	-0.690	-0.734	34.913	28.072	1.33
1100	-0.694	-0.739	34.913	28.072	1.26
1110	-0.697	-0.742	34.913	28.072	1.22
1120	-0.699	-0.745	34.913	28.072	1.19
1130	-0.703	-0.749	34.913	28.072	1.16
1140	-0.705	-0.751	34.913	28.072	1.12
1150	-0.706	-0.753	34.913	28.073	1.08
1160	-0.707	-0.754	34.913	28.073	1.04
1170	-0.709	-0.757	34.913	28.073	1.01
1180	-0.714	-0.762	34.913	28.073	0.95
1190	-0.721	-0.770	34.912	28.073	0.93
1200	-0.725	-0.774	34.912	28.073	0.89
1210	-0.728	-0.777	34.913	28.073	0.82
1220	-0.730	-0.780	34.913	28.074	0.79
1230	-0.734	-0.785	34.913	28.074	0.73
1240	-0.736	-0.787	34.913	28.074	0.69
1250	-0.735	-0.787	34.913	28.074	0.66
1260	-0.740	-0.792	34.913	28.074	0.62
1270	-0.743	-0.796	34.913	28.075	0.56
1280	-0.746	-0.799	34.913	28.074	0.54
1290	-0.748	-0.802	34.913	28.075	0.48
1300	-0.749	-0.803	34.913	28.075	0.48
1310	-0.752	-0.807	34.913	28.075	0.41
1320	-0.754	-0.810	34.913	28.075	0.38
1330	-0.756	-0.811	34.913	28.075	0.37
1340	-0.756	-0.812	34.913	28.075	0.32
1350	-0.757	-0.813	34.912	28.074	0.37

B91.557					
depth	temp	theta	salnty	sig_th	delta
5	5.825	5.825	34.580	27.243	81.83
10	5.842	5.841	34.575	27.237	82.46
15	5.830	5.829	34.578	27.241	82.14
20	5.810	5.809	34.583	27.247	81.64
25	5.785	5.783	34.586	27.253	81.16
30	5.745	5.742	34.589	27.261	80.47
35	5.573	5.570	34.603	27.293	77.49
40	3.255	3.252	34.770	27.678	40.91
45	2.935	2.932	34.793	27.726	36.36
50	2.544	2.541	34.793	27.761	33.04
55	2.232	2.229	34.790	27.785	30.76
60	1.663	1.660	34.769	27.813	27.99
65	1.497	1.494	34.774	27.830	26.44
70	1.291	1.288	34.781	27.850	24.51
75	1.080	1.076	34.774	27.859	23.62
80	0.895	0.892	34.772	27.870	22.57
85	0.568	0.564	34.760	27.880	21.50
90	0.326	0.322	34.743	27.881	21.40
95	0.167	0.164	34.736	27.885	21.02
100	0.263	0.259	34.747	27.888	20.71
110	-0.036	-0.040	34.748	27.905	19.01
120	-0.157	-0.161	34.755	27.917	17.85
130	-0.046	-0.050	34.775	27.928	16.87
140	0.019	0.013	34.790	27.936	16.07
150	0.105	0.100	34.806	27.944	15.40
160	0.325	0.319	34.830	27.952	14.77
170	0.424	0.417	34.843	27.956	14.39
180	0.419	0.412	34.847	27.960	14.07
190	0.385	0.377	34.851	27.965	13.60
200	0.530	0.521	34.866	27.969	13.33
210	0.547	0.538	34.872	27.972	13.01
220	0.525	0.516	34.879	27.979	12.39
230	0.379	0.370	34.872	27.982	12.01
240	0.526	0.516	34.886	27.985	11.82
250	0.518	0.507	34.892	27.990	11.33
260	0.452	0.441	34.894	27.996	10.81
270	0.289	0.278	34.885	27.998	10.50
280	0.282	0.270	34.888	28.001	10.24
290	0.264	0.252	34.889	28.003	9.98
300	0.256	0.244	34.890	28.004	9.90
310	0.234	0.221	34.892	28.007	9.64
320	0.220	0.207	34.893	28.008	9.47
330	0.212	0.199	34.894	28.010	9.37
340	0.195	0.181	34.896	28.012	9.11
350	0.175	0.161	34.896	28.014	8.95
360	0.147	0.132	34.897	28.016	8.70
370	0.114	0.099	34.898	28.018	8.47
380	0.102	0.086	34.898	28.019	8.38
390	0.079	0.063	34.898	28.021	8.19
400	0.062	0.046	34.898	28.022	8.09
410	0.050	0.033	34.898	28.022	8.02
420	0.017	0.000	34.899	28.025	7.77
430	-0.037	-0.054	34.899	28.028	7.42
440	-0.055	-0.073	34.899	28.029	7.30
450	-0.069	-0.086	34.899	28.030	7.19

B91.557					
depth	temp	theta	salnty	sig_th	delta
460	-0.091	-0.110	34.900	28.031	7.00
470	-0.115	-0.133	34.901	28.033	6.79
480	-0.140	-0.159	34.901	28.035	6.60
490	-0.152	-0.171	34.901	28.036	6.50
500	-0.159	-0.178	34.901	28.036	6.46
510	-0.173	-0.193	34.902	28.037	6.32
520	-0.191	-0.212	34.902	28.038	6.21
530	-0.214	-0.235	34.903	28.040	6.01
540	-0.220	-0.241	34.902	28.040	5.98
550	-0.233	-0.255	34.903	28.041	5.87
560	-0.246	-0.268	34.903	28.042	5.75
570	-0.257	-0.280	34.903	28.043	5.67
580	-0.281	-0.303	34.904	28.044	5.46
590	-0.293	-0.316	34.904	28.045	5.35
600	-0.302	-0.326	34.904	28.046	5.27
610	-0.316	-0.340	34.904	28.047	5.16
620	-0.333	-0.357	34.905	28.048	5.03
630	-0.344	-0.368	34.905	28.049	4.91
640	-0.354	-0.379	34.905	28.049	4.83
650	-0.364	-0.389	34.905	28.050	4.75
660	-0.373	-0.399	34.905	28.050	4.67
670	-0.382	-0.409	34.905	28.051	4.59
680	-0.392	-0.419	34.906	28.051	4.51
690	-0.408	-0.435	34.906	28.052	4.38
700	-0.417	-0.444	34.906	28.053	4.28
710	-0.427	-0.454	34.907	28.054	4.17
720	-0.442	-0.470	34.907	28.055	4.02
730	-0.458	-0.487	34.907	28.056	3.93
740	-0.464	-0.493	34.907	28.056	3.90
750	-0.471	-0.500	34.908	28.057	3.76
760	-0.484	-0.513	34.909	28.058	3.58
770	-0.494	-0.524	34.909	28.059	3.49
780	-0.501	-0.531	34.909	28.060	3.41
790	-0.514	-0.545	34.909	28.060	3.30
800	-0.520	-0.551	34.910	28.061	3.21
810	-0.528	-0.560	34.910	28.062	3.12
820	-0.539	-0.571	34.910	28.062	3.03
830	-0.543	-0.576	34.909	28.062	3.03
840	-0.552	-0.585	34.911	28.063	2.86
850	-0.556	-0.589	34.910	28.063	2.84
860	-0.561	-0.594	34.910	28.064	2.79
870	-0.571	-0.605	34.911	28.065	2.66
880	-0.577	-0.611	34.911	28.065	2.62
890	-0.584	-0.619	34.911	28.065	2.53
900	-0.593	-0.628	34.911	28.065	2.47
910	-0.602	-0.638	34.911	28.066	2.41
920	-0.611	-0.648	34.911	28.067	2.29
930	-0.613	-0.649	34.911	28.066	2.30
940	-0.615	-0.652	34.911	28.067	2.23
950	-0.618	-0.656	34.911	28.067	2.19
960	-0.623	-0.661	34.911	28.067	2.12
970	-0.630	-0.668	34.912	28.068	2.04
980	-0.636	-0.675	34.912	28.068	1.96
990	-0.642	-0.681	34.912	28.069	1.91
1000	-0.646	-0.686	34.912	28.069	1.84

B91.557					
depth	temp	theta	salnty	sig_th	delta
1010	-0.651	-0.691	34.912	28.069	1.78
1020	-0.653	-0.694	34.912	28.070	1.74
1030	-0.653	-0.695	34.912	28.069	1.74
1040	-0.657	-0.699	34.913	28.070	1.66
1050	-0.661	-0.703	34.913	28.070	1.61
1060	-0.664	-0.707	34.912	28.070	1.59
1070	-0.670	-0.713	34.913	28.071	1.52
1080	-0.671	-0.715	34.913	28.071	1.49
1090	-0.676	-0.720	34.913	28.071	1.41
1100	-0.679	-0.724	34.913	28.072	1.34
1110	-0.681	-0.726	34.913	28.072	1.30
1120	-0.683	-0.728	34.913	28.072	1.27
1130	-0.684	-0.731	34.913	28.072	1.24
1140	-0.686	-0.733	34.913	28.072	1.22
1150	-0.687	-0.734	34.914	28.073	1.15
1160	-0.691	-0.738	34.914	28.072	1.13
1170	-0.697	-0.745	34.913	28.073	1.09
1180	-0.698	-0.746	34.913	28.072	1.08
1190	-0.699	-0.748	34.913	28.073	1.03
1200	-0.700	-0.749	34.914	28.073	0.95
1210	-0.700	-0.750	34.914	28.073	0.93
1220	-0.700	-0.751	34.914	28.073	0.93
1230	-0.702	-0.753	34.914	28.073	0.90
1240	-0.702	-0.754	34.914	28.073	0.86
1250	-0.706	-0.758	34.914	28.074	0.80
1260	-0.707	-0.760	34.914	28.074	0.79
1270	-0.710	-0.763	34.914	28.074	0.76
1280	-0.710	-0.764	34.914	28.074	0.73
1290	-0.711	-0.765	34.913	28.074	0.73
1300	-0.713	-0.768	34.914	28.074	0.67
1310	-0.714	-0.769	34.914	28.074	0.65
1320	-0.715	-0.771	34.914	28.074	0.61
1330	-0.714	-0.771	34.914	28.074	0.61
1340	-0.715	-0.771	34.914	28.074	0.57
1350	-0.715	-0.773	34.914	28.074	0.57
1360	-0.717	-0.775	34.914	28.075	0.50
1370	-0.717	-0.775	34.914	28.075	0.49
1380	-0.716	-0.775	34.914	28.075	0.47
1390	-0.717	-0.776	34.914	28.075	0.45
1400	-0.716	-0.776	34.914	28.074	0.46
1410	-0.716	-0.777	34.914	28.074	0.43
1420	-0.716	-0.777	34.914	28.074	0.42

B91.558					
depth	temp	theta	salnty	sig_th	delta
5	5.108	5.108	34.233	27.055	99.63
10	5.107	5.107	34.233	27.055	99.70
15	5.105	5.104	34.234	27.056	99.63
20	5.059	5.058	34.253	27.077	97.74
25	4.959	4.957	34.306	27.130	92.74
30	2.463	2.461	34.731	27.718	36.93
35	1.416	1.415	34.735	27.804	28.75
40	1.461	1.459	34.752	27.814	27.78
45	1.475	1.473	34.792	27.845	24.86
50	1.354	1.352	34.792	27.854	24.03
55	1.348	1.345	34.809	27.868	22.77
60	1.276	1.273	34.810	27.874	22.18
65	1.183	1.180	34.811	27.881	21.52
70	1.139	1.136	34.809	27.883	21.37
75	1.062	1.059	34.812	27.890	20.67
80	1.087	1.083	34.817	27.893	20.41
85	1.057	1.053	34.819	27.896	20.14
90	1.041	1.037	34.824	27.901	19.66
95	1.191	1.186	34.840	27.904	19.46
100	1.171	1.166	34.852	27.915	18.40
110	1.256	1.250	34.868	27.922	17.83
120	1.133	1.127	34.871	27.934	16.72
130	0.892	0.886	34.858	27.939	16.14
140	0.793	0.787	34.857	27.944	15.62
150	0.555	0.549	34.842	27.948	15.25
160	0.441	0.434	34.839	27.952	14.83
170	0.389	0.382	34.841	27.956	14.39
180	0.348	0.341	34.841	27.959	14.14
190	0.608	0.600	34.864	27.962	13.96
200	0.614	0.605	34.871	27.967	13.50
210	0.626	0.617	34.879	27.973	12.96
220	0.596	0.587	34.883	27.978	12.51
230	0.412	0.402	34.876	27.984	11.88
240	0.278	0.268	34.868	27.985	11.69
250	0.235	0.225	34.866	27.986	11.59
260	0.265	0.254	34.871	27.988	11.37
270	0.262	0.250	34.876	27.992	10.99
280	0.270	0.259	34.880	27.995	10.77
290	0.274	0.262	34.882	27.997	10.61
300	0.277	0.265	34.887	28.000	10.28
310	0.264	0.251	34.888	28.002	10.10
320	0.264	0.251	34.891	28.004	9.89
330	0.247	0.233	34.893	28.007	9.63
340	0.205	0.191	34.893	28.010	9.34
350	0.183	0.169	34.893	28.011	9.24
360	0.151	0.136	34.894	28.014	8.93
370	0.126	0.111	34.894	28.015	8.81
380	0.105	0.090	34.895	28.017	8.61
390	0.094	0.078	34.897	28.019	8.41
400	0.053	0.037	34.896	28.020	8.21
410	0.036	0.019	34.896	28.021	8.12
420	0.017	-0.000	34.896	28.022	8.00
430	-0.008	-0.025	34.896	28.024	7.79
440	-0.025	-0.043	34.898	28.026	7.60
450	-0.055	-0.073	34.898	28.028	7.39

B91.558					
depth	temp	theta	salnty	sig_th	delta
460	-0.075	-0.093	34.898	28.029	7.23
470	-0.090	-0.109	34.900	28.031	7.03
480	-0.100	-0.119	34.900	28.032	6.96
490	-0.122	-0.142	34.901	28.034	6.69
500	-0.140	-0.159	34.901	28.035	6.60
510	-0.159	-0.179	34.901	28.036	6.48
520	-0.176	-0.197	34.902	28.037	6.31
530	-0.194	-0.215	34.902	28.038	6.20
540	-0.207	-0.229	34.902	28.039	6.08
550	-0.225	-0.247	34.902	28.040	5.97
560	-0.236	-0.258	34.902	28.040	5.91
570	-0.247	-0.269	34.902	28.041	5.80
580	-0.259	-0.282	34.903	28.042	5.68
590	-0.269	-0.292	34.902	28.042	5.64
600	-0.288	-0.311	34.903	28.044	5.46
610	-0.304	-0.328	34.903	28.045	5.32
620	-0.314	-0.339	34.904	28.046	5.22
630	-0.318	-0.343	34.905	28.047	5.09
640	-0.335	-0.360	34.904	28.047	5.02
650	-0.346	-0.372	34.905	28.049	4.89
660	-0.356	-0.382	34.906	28.050	4.76
670	-0.365	-0.392	34.906	28.051	4.64
680	-0.373	-0.400	34.906	28.051	4.61
690	-0.390	-0.417	34.906	28.052	4.45
700	-0.403	-0.430	34.906	28.052	4.37
710	-0.424	-0.452	34.906	28.054	4.22
720	-0.437	-0.465	34.906	28.054	4.14
730	-0.446	-0.475	34.907	28.056	3.96
740	-0.455	-0.484	34.906	28.055	4.01
750	-0.466	-0.496	34.906	28.056	3.88
760	-0.481	-0.511	34.908	28.057	3.68
770	-0.489	-0.519	34.908	28.058	3.61
780	-0.497	-0.527	34.906	28.057	3.64
790	-0.507	-0.538	34.908	28.059	3.42
800	-0.514	-0.546	34.908	28.059	3.40
810	-0.513	-0.545	34.909	28.060	3.31
820	-0.524	-0.556	34.909	28.061	3.20
830	-0.539	-0.572	34.909	28.061	3.08
840	-0.543	-0.576	34.910	28.062	2.98
850	-0.534	-0.568	34.911	28.062	2.97
860	-0.546	-0.580	34.910	28.062	2.94
870	-0.546	-0.581	34.911	28.063	2.86
880	-0.550	-0.585	34.911	28.063	2.81
890	-0.569	-0.605	34.911	28.064	2.64
900	-0.584	-0.619	34.910	28.064	2.59
910	-0.590	-0.626	34.911	28.065	2.51
920	-0.597	-0.634	34.911	28.066	2.41
930	-0.601	-0.638	34.911	28.066	2.36
940	-0.609	-0.646	34.911	28.067	2.26
950	-0.612	-0.649	34.911	28.067	2.23
960	-0.617	-0.655	34.911	28.067	2.21
970	-0.624	-0.663	34.911	28.067	2.10
980	-0.632	-0.671	34.912	28.068	2.02
990	-0.635	-0.675	34.912	28.068	1.98
1000	-0.639	-0.679	34.912	28.068	1.92

B91.558					
depth	temp	theta	salnty	sig_th	delta
1010	-0.644	-0.684	34.912	28.069	1.86
1020	-0.645	-0.686	34.912	28.069	1.84
1030	-0.647	-0.689	34.912	28.069	1.78
1040	-0.650	-0.692	34.912	28.070	1.73
1050	-0.657	-0.699	34.913	28.070	1.64
1060	-0.663	-0.706	34.912	28.070	1.63
1070	-0.664	-0.707	34.912	28.070	1.58
1080	-0.673	-0.716	34.913	28.071	1.46
1090	-0.681	-0.725	34.912	28.071	1.41
1100	-0.687	-0.731	34.912	28.071	1.35
1110	-0.688	-0.733	34.913	28.072	1.30
1120	-0.690	-0.735	34.913	28.072	1.28
1130	-0.695	-0.741	34.912	28.072	1.25
1140	-0.705	-0.751	34.912	28.072	1.15
1150	-0.708	-0.754	34.912	28.072	1.12
1160	-0.711	-0.759	34.913	28.073	0.98
1170	-0.711	-0.759	34.912	28.072	1.05
1180	-0.713	-0.761	34.912	28.073	1.01
1190	-0.707	-0.756	34.913	28.073	0.98
1200	-0.708	-0.757	34.913	28.073	0.96
1210	-0.708	-0.758	34.913	28.073	0.94
1220	-0.710	-0.760	34.913	28.073	0.87
1230	-0.712	-0.763	34.913	28.073	0.86
1240	-0.712	-0.764	34.913	28.073	0.82
1250	-0.714	-0.766	34.913	28.073	0.80
1260	-0.718	-0.771	34.913	28.074	0.76
1270	-0.727	-0.780	34.913	28.074	0.65
1280	-0.731	-0.785	34.913	28.074	0.61
1290	-0.735	-0.788	34.913	28.075	0.56

B91.559					
depth	temp	theta	salnty	sig_th	delta
5	5.069	5.068	34.327	27.134	92.11
10	5.069	5.069	34.328	27.134	92.16
15	5.066	5.064	34.328	27.135	92.15
20	4.975	4.973	34.334	27.150	90.76
25	4.848	4.846	34.361	27.187	87.38
30	4.145	4.143	34.431	27.319	74.88
35	2.178	2.176	34.658	27.683	40.24
40	1.223	1.221	34.621	27.726	36.13
45	0.706	0.704	34.616	27.756	33.26
50	-0.054	-0.056	34.606	27.791	29.80
55	-0.290	-0.292	34.609	27.805	28.45
60	-0.065	-0.067	34.647	27.825	26.57
65	0.134	0.131	34.671	27.833	25.82
70	-0.028	-0.031	34.686	27.855	23.78
75	-0.070	-0.073	34.691	27.861	23.19
80	-0.145	-0.148	34.708	27.879	21.51
85	-0.106	-0.109	34.727	27.891	20.29
90	-0.051	-0.054	34.742	27.901	19.40
95	-0.057	-0.061	34.753	27.910	18.53
100	-0.004	-0.008	34.766	27.918	17.84
110	-0.042	-0.046	34.783	27.933	16.35
120	0.086	0.081	34.801	27.941	15.63
130	0.196	0.190	34.822	27.952	14.67
140	0.186	0.181	34.827	27.957	14.18
150	0.282	0.277	34.838	27.960	13.93
160	0.289	0.282	34.842	27.963	13.66
170	0.206	0.199	34.841	27.967	13.28
180	0.373	0.366	34.860	27.973	12.84
190	0.407	0.399	34.866	27.976	12.56
200	0.208	0.200	34.858	27.980	12.03
210	0.178	0.170	34.857	27.981	11.91
220	0.146	0.138	34.856	27.983	11.78
230	0.153	0.144	34.859	27.985	11.58
240	0.204	0.195	34.864	27.986	11.51
250	0.289	0.278	34.875	27.990	11.18
260	0.268	0.257	34.878	27.994	10.85
270	0.202	0.191	34.876	27.996	10.60
280	0.233	0.222	34.881	27.998	10.44
290	0.241	0.229	34.885	28.001	10.19
300	0.236	0.223	34.888	28.004	9.91
310	0.264	0.251	34.892	28.005	9.79
320	0.178	0.165	34.890	28.008	9.43
330	0.171	0.157	34.893	28.011	9.16
340	0.170	0.156	34.894	28.012	9.08
350	0.161	0.146	34.896	28.014	8.88
360	0.134	0.120	34.895	28.015	8.76
370	0.119	0.104	34.896	28.016	8.65
380	0.083	0.068	34.896	28.018	8.42
390	0.071	0.055	34.896	28.019	8.32
400	0.054	0.038	34.896	28.021	8.19
410	0.036	0.019	34.897	28.022	8.03
420	0.016	-0.001	34.898	28.024	7.86
430	-0.007	-0.025	34.898	28.025	7.67
440	-0.034	-0.051	34.899	28.027	7.46
450	-0.059	-0.077	34.899	28.029	7.27

B91.559					
depth	temp	theta	salnty	sig_th	delta
460	-0.074	-0.093	34.899	28.030	7.17
470	-0.099	-0.118	34.900	28.032	6.96
480	-0.112	-0.131	34.900	28.033	6.86
490	-0.132	-0.152	34.901	28.034	6.68
500	-0.139	-0.159	34.901	28.035	6.62
510	-0.153	-0.173	34.901	28.035	6.53
520	-0.174	-0.195	34.901	28.037	6.35
530	-0.195	-0.216	34.902	28.038	6.19
540	-0.215	-0.237	34.902	28.040	6.03
550	-0.226	-0.248	34.902	28.040	5.95
560	-0.234	-0.256	34.902	28.041	5.90
570	-0.247	-0.270	34.902	28.042	5.78
580	-0.263	-0.286	34.903	28.043	5.61
590	-0.280	-0.303	34.903	28.044	5.48
600	-0.294	-0.317	34.904	28.045	5.35
610	-0.305	-0.329	34.904	28.046	5.25
620	-0.315	-0.339	34.905	28.047	5.14
630	-0.329	-0.354	34.905	28.048	5.01
640	-0.339	-0.364	34.905	28.049	4.90
650	-0.355	-0.381	34.905	28.049	4.83
660	-0.369	-0.395	34.906	28.050	4.68
670	-0.381	-0.407	34.906	28.051	4.56
680	-0.382	-0.409	34.906	28.051	4.55
690	-0.388	-0.415	34.907	28.052	4.45
700	-0.401	-0.428	34.907	28.053	4.33
710	-0.414	-0.442	34.907	28.053	4.25
720	-0.422	-0.451	34.907	28.054	4.18
730	-0.430	-0.459	34.908	28.055	4.01
740	-0.437	-0.466	34.908	28.055	3.99
750	-0.446	-0.475	34.908	28.056	3.90
760	-0.458	-0.488	34.909	28.057	3.76
770	-0.473	-0.503	34.908	28.057	3.69
780	-0.488	-0.518	34.909	28.059	3.52
790	-0.493	-0.524	34.909	28.059	3.48
800	-0.500	-0.531	34.909	28.060	3.37
810	-0.509	-0.540	34.909	28.060	3.32
820	-0.517	-0.550	34.909	28.060	3.24
830	-0.522	-0.555	34.910	28.061	3.13
840	-0.529	-0.563	34.910	28.062	3.07
850	-0.537	-0.571	34.910	28.062	3.01
860	-0.543	-0.577	34.910	28.063	2.91
870	-0.550	-0.584	34.911	28.063	2.83
880	-0.554	-0.589	34.910	28.063	2.81
890	-0.558	-0.593	34.911	28.064	2.72
900	-0.563	-0.599	34.911	28.064	2.68
910	-0.570	-0.606	34.911	28.065	2.60
920	-0.575	-0.612	34.911	28.065	2.52
930	-0.581	-0.618	34.911	28.065	2.47
940	-0.588	-0.626	34.911	28.066	2.41
950	-0.598	-0.635	34.911	28.066	2.34
960	-0.603	-0.641	34.911	28.066	2.27
970	-0.611	-0.649	34.911	28.067	2.19
980	-0.617	-0.656	34.912	28.067	2.12
990	-0.620	-0.660	34.912	28.067	2.09
1000	-0.627	-0.668	34.912	28.068	1.99

B91.559					
depth	temp	theta	salnty	sig_th	delta
1010	-0.631	-0.672	34.912	28.068	1.94
1020	-0.636	-0.677	34.912	28.068	1.91
1030	-0.641	-0.683	34.912	28.069	1.84
1040	-0.644	-0.686	34.912	28.069	1.79
1050	-0.650	-0.692	34.912	28.069	1.74
1060	-0.651	-0.694	34.912	28.070	1.68
1070	-0.653	-0.696	34.913	28.070	1.63
1080	-0.657	-0.701	34.912	28.070	1.60
1090	-0.662	-0.706	34.913	28.070	1.52
1100	-0.661	-0.706	34.913	28.071	1.47
1110	-0.665	-0.710	34.913	28.071	1.43
1120	-0.667	-0.713	34.913	28.071	1.40
1130	-0.666	-0.713	34.914	28.072	1.34
1140	-0.673	-0.720	34.914	28.072	1.27
1150	-0.675	-0.723	34.914	28.072	1.25
1160	-0.679	-0.726	34.914	28.072	1.20
1170	-0.680	-0.729	34.914	28.072	1.18
1180	-0.684	-0.733	34.914	28.073	1.10
1190	-0.691	-0.740	34.913	28.072	1.08
1200	-0.694	-0.743	34.913	28.073	1.04
1210	-0.694	-0.744	34.914	28.073	0.98
1220	-0.695	-0.745	34.914	28.073	0.95
1230	-0.697	-0.748	34.914	28.073	0.92
1240	-0.697	-0.748	34.914	28.073	0.88
1250	-0.700	-0.752	34.914	28.073	0.87
1260	-0.702	-0.754	34.914	28.074	0.82
1270	-0.704	-0.758	34.914	28.074	0.79
1280	-0.705	-0.759	34.913	28.073	0.80
1290	-0.706	-0.760	34.914	28.074	0.73
1300	-0.706	-0.761	34.914	28.074	0.70
1310	-0.708	-0.763	34.914	28.074	0.65
1320	-0.708	-0.764	34.914	28.074	0.64
1330	-0.708	-0.765	34.914	28.074	0.60
1340	-0.708	-0.765	34.915	28.075	0.57
1350	-0.708	-0.765	34.915	28.074	0.56
1360	-0.709	-0.767	34.915	28.075	0.51
1370	-0.709	-0.768	34.914	28.074	0.52
1380	-0.710	-0.768	34.915	28.075	0.48
1390	-0.709	-0.768	34.915	28.075	0.45
1400	-0.709	-0.769	34.915	28.075	0.44
1410	-0.710	-0.770	34.915	28.075	0.40
1420	-0.710	-0.771	34.915	28.075	0.39
1430	-0.708	-0.770	34.915	28.075	0.37
1440	-0.709	-0.771	34.915	28.075	0.33
1450	-0.710	-0.773	34.915	28.075	0.34
1460	-0.710	-0.773	34.915	28.075	0.29
1470	-0.710	-0.774	34.915	28.075	0.29
1480	-0.712	-0.776	34.915	28.075	0.24
1490	-0.712	-0.777	34.915	28.075	0.25
1500	-0.713	-0.778	34.915	28.075	0.22
1510	-0.713	-0.779	34.915	28.076	0.16
1520	-0.713	-0.779	34.915	28.075	0.16
1530	-0.713	-0.780	34.915	28.075	0.15
1540	-0.713	-0.781	34.915	28.075	0.15
1550	-0.714	-0.782	34.915	28.076	0.10

B91.559					
depth	temp	theta	salnty	sig_th	delta
1560	-0.714	-0.783	34.915	28.075	0.08
1570	-0.714	-0.784	34.915	28.075	0.09
1580	-0.714	-0.784	34.915	28.075	0.05
1590	-0.714	-0.785	34.915	28.075	0.04
1600	-0.714	-0.785	34.915	28.076	-0.00
1610	-0.714	-0.786	34.915	28.076	-0.00
1620	-0.714	-0.786	34.915	28.076	-0.02
1630	-0.714	-0.787	34.915	28.076	-0.05
1640	-0.713	-0.787	34.915	28.076	-0.07
1650	-0.713	-0.787	34.915	28.076	-0.07
1660	-0.713	-0.788	34.915	28.076	-0.11
1670	-0.713	-0.788	34.915	28.076	-0.10
1680	-0.712	-0.788	34.915	28.076	-0.11
1690	-0.712	-0.789	34.915	28.076	-0.15
1700	-0.712	-0.790	34.915	28.076	-0.15
1710	-0.712	-0.790	34.915	28.076	-0.19
1720	-0.712	-0.791	34.915	28.076	-0.19
1730	-0.712	-0.791	34.915	28.076	-0.20
1740	-0.712	-0.791	34.915	28.076	-0.23
1750	-0.710	-0.791	34.914	28.075	-0.21
1760	-0.710	-0.791	34.915	28.076	-0.26
1770	-0.709	-0.790	34.915	28.076	-0.28

B91.560					
depth	temp	theta	salnty	sig_th	delta
5	3.407	3.407	34.595	27.523	55.23
10	3.236	3.236	34.608	27.550	52.73
15	3.277	3.276	34.626	27.561	51.75
20	3.252	3.251	34.637	27.572	50.71
25	3.206	3.205	34.643	27.581	49.89
30	3.127	3.126	34.649	27.593	48.83
35	3.115	3.113	34.655	27.599	48.30
40	3.055	3.053	34.654	27.604	47.87
45	3.034	3.032	34.654	27.606	47.68
50	2.926	2.923	34.666	27.625	45.91
55	2.787	2.783	34.676	27.646	43.93
60	2.403	2.400	34.712	27.709	38.02
65	2.015	2.012	34.729	27.754	33.69
70	1.589	1.585	34.748	27.802	29.11
75	1.101	1.097	34.767	27.852	24.31
80	0.733	0.729	34.780	27.886	21.00
85	0.608	0.604	34.769	27.885	21.03
90	0.635	0.631	34.780	27.893	20.37
95	0.679	0.675	34.786	27.895	20.20
100	0.670	0.665	34.792	27.900	19.68
110	0.652	0.648	34.806	27.912	18.55
120	0.671	0.666	34.820	27.922	17.65
130	0.695	0.689	34.827	27.927	17.23
140	0.784	0.778	34.835	27.928	17.21
150	0.838	0.831	34.847	27.933	16.70
160	0.665	0.658	34.844	27.943	15.78
170	0.658	0.651	34.851	27.949	15.22
180	0.639	0.631	34.856	27.954	14.76
190	0.612	0.604	34.859	27.958	14.37
200	0.570	0.561	34.861	27.962	14.00
210	0.514	0.505	34.860	27.964	13.74
220	0.512	0.502	34.864	27.968	13.43
230	0.556	0.546	34.875	27.974	12.89
240	0.568	0.558	34.877	27.975	12.79
250	0.491	0.480	34.879	27.981	12.18
260	0.425	0.414	34.876	27.983	11.96
270	0.407	0.396	34.876	27.984	11.90
280	0.415	0.404	34.879	27.986	11.73
290	0.411	0.399	34.882	27.989	11.45
300	0.360	0.348	34.882	27.992	11.16
310	0.260	0.247	34.878	27.994	10.81
320	0.266	0.252	34.877	27.993	10.99
330	0.225	0.211	34.878	27.996	10.65
340	0.190	0.176	34.877	27.998	10.46
350	0.171	0.156	34.878	28.000	10.27
360	0.165	0.150	34.879	28.000	10.19
370	0.159	0.144	34.881	28.002	10.03
380	0.153	0.137	34.880	28.002	10.05
390	0.133	0.117	34.880	28.003	9.94
400	0.053	0.037	34.885	28.012	9.02
410	0.013	-0.004	34.887	28.016	8.61
420	0.001	-0.015	34.887	28.016	8.57
430	-0.013	-0.030	34.888	28.017	8.43
440	-0.018	-0.036	34.888	28.018	8.39
450	-0.018	-0.036	34.888	28.018	8.39

B91.561					
depth	temp	theta	salnty	sig_th	delta
5	4.551	4.551	34.471	27.307	75.74
10	4.541	4.540	34.477	27.313	75.27
15	4.530	4.529	34.482	27.318	74.84
20	4.348	4.347	34.530	27.376	69.39
25	4.278	4.276	34.539	27.390	68.07
30	4.261	4.259	34.539	27.393	67.89
35	2.646	2.644	34.663	27.648	43.65
40	1.270	1.268	34.681	27.771	31.86
45	1.099	1.097	34.686	27.786	30.40
50	0.897	0.895	34.688	27.802	28.93
55	1.053	1.051	34.736	27.830	26.32
60	1.298	1.295	34.794	27.860	23.54
65	1.302	1.299	34.800	27.864	23.14
70	1.231	1.228	34.805	27.873	22.30
75	1.123	1.119	34.812	27.887	21.02
80	1.121	1.117	34.820	27.893	20.44
85	1.098	1.094	34.823	27.897	20.07
90	1.020	1.016	34.820	27.900	19.76
95	1.043	1.039	34.830	27.906	19.19
100	1.064	1.060	34.834	27.908	19.02
110	1.043	1.038	34.845	27.918	18.10
120	0.892	0.887	34.842	27.926	17.34
130	0.807	0.801	34.846	27.935	16.52
140	0.729	0.723	34.843	27.938	16.23
150	0.622	0.616	34.838	27.940	16.01
160	0.588	0.581	34.839	27.943	15.74
170	0.705	0.697	34.856	27.949	15.21
180	0.582	0.575	34.851	27.953	14.78
190	0.621	0.613	34.860	27.958	14.35
200	0.643	0.634	34.865	27.960	14.16
210	0.590	0.581	34.867	27.965	13.69
220	0.310	0.301	34.854	27.972	12.92
230	0.178	0.168	34.850	27.976	12.40
240	0.165	0.155	34.851	27.977	12.32
250	0.239	0.229	34.857	27.978	12.26
260	0.259	0.248	34.861	27.980	12.13
270	0.342	0.330	34.874	27.986	11.64
280	0.459	0.447	34.888	27.991	11.30
290	0.450	0.437	34.890	27.992	11.14
300	0.364	0.351	34.886	27.995	10.87
310	0.357	0.344	34.890	27.998	10.53
320	0.328	0.315	34.890	28.000	10.34
330	0.304	0.290	34.891	28.002	10.17
340	0.269	0.255	34.891	28.004	9.97
350	0.213	0.198	34.890	28.007	9.65
360	0.146	0.132	34.888	28.009	9.38
370	0.134	0.119	34.887	28.009	9.37
380	0.104	0.088	34.888	28.011	9.17
390	0.070	0.054	34.888	28.013	8.94
400	0.050	0.033	34.888	28.014	8.78
410	0.020	0.003	34.889	28.016	8.57
420	-0.006	-0.023	34.890	28.018	8.32
430	-0.035	-0.052	34.890	28.021	8.09
440	-0.043	-0.061	34.890	28.021	8.05
450	-0.057	-0.075	34.891	28.022	7.90

B91.561					
depth	temp	theta	salnty	sig_th	delta
460	-0.073	-0.092	34.892	28.024	7.70
470	-0.083	-0.102	34.892	28.025	7.63
480	-0.104	-0.123	34.893	28.027	7.43
490	-0.137	-0.157	34.895	28.030	7.07
500	-0.151	-0.171	34.895	28.031	6.97
510	-0.181	-0.201	34.897	28.034	6.65
520	-0.198	-0.219	34.898	28.035	6.49
530	-0.202	-0.223	34.897	28.035	6.48
540	-0.204	-0.225	34.897	28.035	6.46
550	-0.218	-0.240	34.898	28.037	6.30
560	-0.234	-0.256	34.899	28.038	6.13
570	-0.239	-0.262	34.899	28.038	6.09
580	-0.242	-0.265	34.899	28.039	6.05
590	-0.260	-0.283	34.900	28.040	5.85
600	-0.269	-0.292	34.900	28.041	5.78
610	-0.274	-0.298	34.900	28.041	5.74
620	-0.281	-0.306	34.901	28.042	5.64
630	-0.297	-0.322	34.902	28.043	5.48
640	-0.323	-0.348	34.903	28.046	5.22
650	-0.347	-0.373	34.903	28.047	4.99
660	-0.366	-0.392	34.904	28.049	4.82
670	-0.373	-0.399	34.904	28.049	4.79
680	-0.378	-0.405	34.904	28.049	4.73
690	-0.390	-0.417	34.904	28.050	4.60
700	-0.404	-0.431	34.905	28.051	4.49
710	-0.416	-0.443	34.905	28.052	4.38
720	-0.421	-0.449	34.905	28.052	4.36
730	-0.432	-0.460	34.906	28.054	4.15
740	-0.448	-0.477	34.906	28.054	4.08
750	-0.453	-0.482	34.906	28.055	3.96
760	-0.459	-0.489	34.906	28.055	3.93
770	-0.471	-0.501	34.906	28.056	3.82
780	-0.473	-0.504	34.907	28.056	3.77
790	-0.481	-0.513	34.907	28.057	3.70
800	-0.492	-0.523	34.907	28.058	3.56
810	-0.501	-0.533	34.908	28.058	3.48
820	-0.506	-0.539	34.908	28.059	3.42
830	-0.511	-0.544	34.908	28.059	3.37
840	-0.513	-0.547	34.907	28.059	3.39
850	-0.522	-0.555	34.908	28.060	3.23
860	-0.530	-0.565	34.908	28.060	3.19
870	-0.537	-0.572	34.908	28.060	3.12
880	-0.546	-0.581	34.908	28.061	3.05
890	-0.557	-0.592	34.909	28.062	2.91
900	-0.567	-0.603	34.909	28.063	2.77
910	-0.575	-0.611	34.910	28.064	2.66
920	-0.577	-0.613	34.909	28.063	2.67
930	-0.584	-0.621	34.909	28.064	2.62
940	-0.589	-0.627	34.910	28.065	2.50
950	-0.594	-0.632	34.909	28.064	2.49
960	-0.601	-0.639	34.910	28.065	2.38
970	-0.605	-0.644	34.910	28.066	2.31
980	-0.609	-0.649	34.910	28.066	2.27
990	-0.614	-0.653	34.910	28.066	2.22
1000	-0.617	-0.658	34.910	28.066	2.19

B91.561					
depth	temp	theta	salnty	sig_th	delta
1010	-0.622	-0.662	34.911	28.067	2.08
1020	-0.627	-0.668	34.911	28.067	2.04

B91.562					
depth	temp	theta	salnty	sig_th	delta
5	5.260	5.259	34.378	27.152	90.41
10	5.264	5.263	34.379	27.152	90.48
15	5.252	5.250	34.378	27.153	90.46
20	5.247	5.245	34.380	27.155	90.30
25	4.959	4.957	34.425	27.225	83.80
30	3.645	3.643	34.501	27.425	64.75
35	1.235	1.234	34.604	27.712	37.47
40	0.427	0.426	34.621	27.776	31.26
45	-0.130	-0.131	34.612	27.800	28.99
50	0.346	0.344	34.662	27.814	27.67
55	0.988	0.985	34.716	27.819	27.37
60	1.014	1.011	34.744	27.839	25.47
65	0.925	0.922	34.755	27.854	24.06
70	0.859	0.856	34.775	27.874	22.16
75	0.899	0.896	34.790	27.883	21.27
80	0.895	0.891	34.792	27.886	21.07
85	0.953	0.949	34.808	27.895	20.23
90	0.847	0.843	34.811	27.904	19.36
95	0.873	0.869	34.819	27.909	18.93
100	0.731	0.727	34.819	27.917	18.07
110	0.639	0.634	34.827	27.930	16.86
120	0.591	0.586	34.837	27.941	15.86
130	0.523	0.518	34.833	27.942	15.76
140	0.503	0.498	34.842	27.951	14.92
150	0.505	0.498	34.852	27.958	14.19
160	0.524	0.518	34.856	27.961	14.01
170	0.535	0.528	34.861	27.964	13.74
180	0.528	0.521	34.864	27.966	13.50
190	0.525	0.517	34.864	27.967	13.45
200	0.449	0.440	34.866	27.973	12.84
210	0.488	0.479	34.878	27.980	12.21
220	0.438	0.429	34.876	27.982	12.05
230	0.349	0.340	34.875	27.986	11.58
240	0.298	0.288	34.874	27.989	11.34
250	0.306	0.296	34.877	27.991	11.15
260	0.289	0.278	34.879	27.994	10.88
270	0.277	0.266	34.881	27.995	10.70
280	0.290	0.279	34.885	27.998	10.51
290	0.311	0.299	34.889	28.000	10.29
300	0.266	0.253	34.889	28.003	10.05
310	0.237	0.225	34.890	28.005	9.81
320	0.211	0.198	34.891	28.008	9.52
330	0.182	0.168	34.893	28.010	9.26
340	0.150	0.137	34.893	28.012	9.07
350	0.109	0.095	34.895	28.016	8.66
360	0.100	0.085	34.896	28.017	8.53
370	0.086	0.072	34.896	28.019	8.40
380	0.083	0.068	34.897	28.019	8.34
390	0.056	0.040	34.897	28.021	8.16
400	0.020	0.004	34.899	28.024	7.80
410	-0.001	-0.018	34.899	28.026	7.64
420	-0.022	-0.039	34.898	28.026	7.56
430	-0.037	-0.054	34.898	28.027	7.47
440	-0.048	-0.066	34.899	28.028	7.33
450	-0.057	-0.075	34.899	28.029	7.28

B91.562					
depth	temp	theta	salnty	sig_th	delta
460	-0.071	-0.089	34.899	28.030	7.17
470	-0.096	-0.115	34.900	28.032	6.95
480	-0.113	-0.132	34.900	28.033	6.85
490	-0.137	-0.157	34.901	28.034	6.65
500	-0.173	-0.193	34.901	28.037	6.38
510	-0.193	-0.213	34.902	28.038	6.22
520	-0.209	-0.230	34.902	28.039	6.11
530	-0.236	-0.257	34.902	28.041	5.90
540	-0.239	-0.260	34.902	28.041	5.90
550	-0.254	-0.276	34.901	28.041	5.82
560	-0.263	-0.285	34.902	28.042	5.75
570	-0.273	-0.296	34.903	28.043	5.59
580	-0.289	-0.311	34.902	28.043	5.53
590	-0.302	-0.326	34.903	28.045	5.38
600	-0.319	-0.342	34.903	28.046	5.25
610	-0.332	-0.355	34.903	28.046	5.15
620	-0.351	-0.375	34.905	28.049	4.90
630	-0.370	-0.395	34.905	28.050	4.73
640	-0.382	-0.406	34.904	28.049	4.75
650	-0.403	-0.429	34.905	28.052	4.51
660	-0.410	-0.436	34.905	28.052	4.48
670	-0.418	-0.444	34.905	28.052	4.43
680	-0.419	-0.446	34.905	28.052	4.38
690	-0.430	-0.457	34.905	28.053	4.26
700	-0.434	-0.462	34.906	28.054	4.20
710	-0.439	-0.466	34.906	28.054	4.16
720	-0.446	-0.474	34.906	28.054	4.09
730	-0.456	-0.484	34.907	28.055	3.96
740	-0.465	-0.494	34.907	28.056	3.86
750	-0.473	-0.503	34.906	28.056	3.84
760	-0.477	-0.507	34.908	28.058	3.67
770	-0.482	-0.513	34.908	28.058	3.61
780	-0.489	-0.519	34.908	28.058	3.58
790	-0.495	-0.526	34.908	28.058	3.54
800	-0.502	-0.533	34.908	28.059	3.46
810	-0.508	-0.540	34.908	28.059	3.37
820	-0.514	-0.546	34.908	28.059	3.38
830	-0.525	-0.558	34.908	28.060	3.23
840	-0.533	-0.566	34.908	28.060	3.19
850	-0.538	-0.572	34.909	28.061	3.08
860	-0.549	-0.583	34.909	28.062	2.99
870	-0.550	-0.584	34.909	28.062	2.96
880	-0.561	-0.596	34.909	28.063	2.83
890	-0.566	-0.601	34.910	28.063	2.78
900	-0.575	-0.611	34.910	28.064	2.69
910	-0.583	-0.619	34.910	28.064	2.58
920	-0.588	-0.624	34.910	28.065	2.55
930	-0.596	-0.633	34.910	28.065	2.45
940	-0.598	-0.635	34.910	28.065	2.43
950	-0.604	-0.642	34.911	28.066	2.29
960	-0.613	-0.651	34.911	28.066	2.27
970	-0.619	-0.658	34.911	28.067	2.16
980	-0.623	-0.662	34.911	28.067	2.12
990	-0.631	-0.671	34.912	28.068	2.00
1000	-0.634	-0.674	34.911	28.068	1.98

B91.562					
depth	temp	theta	salnty	sig_th	delta
1010	-0.642	-0.683	34.912	28.069	1.89
1020	-0.647	-0.688	34.912	28.069	1.83
1030	-0.649	-0.691	34.912	28.069	1.78
1040	-0.658	-0.700	34.913	28.070	1.63
1050	-0.668	-0.710	34.913	28.071	1.55
1060	-0.670	-0.713	34.912	28.070	1.55
1070	-0.677	-0.721	34.913	28.071	1.47
1080	-0.678	-0.722	34.913	28.071	1.42
1090	-0.683	-0.727	34.913	28.072	1.34
1100	-0.688	-0.732	34.913	28.072	1.30
1110	-0.693	-0.738	34.913	28.072	1.22
1120	-0.694	-0.739	34.913	28.072	1.23
1130	-0.699	-0.744	34.913	28.073	1.14
1140	-0.701	-0.748	34.914	28.073	1.07
1150	-0.701	-0.748	34.914	28.073	1.06
1160	-0.702	-0.749	34.914	28.073	1.01
1170	-0.707	-0.755	34.914	28.073	0.97
1180	-0.709	-0.757	34.913	28.073	0.97
1190	-0.715	-0.764	34.914	28.074	0.85
1200	-0.717	-0.767	34.914	28.074	0.80
1210	-0.718	-0.768	34.914	28.074	0.76
1220	-0.718	-0.768	34.914	28.075	0.74
1230	-0.721	-0.772	34.915	28.075	0.70
1240	-0.722	-0.773	34.915	28.075	0.65
1250	-0.724	-0.776	34.915	28.075	0.62
1260	-0.730	-0.782	34.916	28.076	0.49
1270	-0.730	-0.783	34.915	28.076	0.49

B91.563					
depth	temp	theta	salnty	sig_th	delta
5	4.896	4.896	33.587	26.567	145.90
10	4.884	4.883	33.597	26.576	145.06
15	4.791	4.790	33.711	26.677	135.60
20	1.947	1.946	34.133	27.282	78.17
25	1.543	1.541	34.423	27.544	53.31
30	-0.070	-0.072	34.404	27.629	45.16
35	0.212	0.211	34.434	27.638	44.30
40	0.165	0.164	34.469	27.669	41.42
45	0.141	0.139	34.505	27.699	38.50
50	0.123	0.122	34.554	27.740	34.67
55	0.408	0.406	34.632	27.787	30.26
60	0.565	0.563	34.680	27.816	27.52
65	0.438	0.435	34.702	27.841	25.17
70	-0.131	-0.133	34.696	27.868	22.53
75	0.174	0.171	34.720	27.871	22.31
80	0.353	0.350	34.739	27.876	21.86
85	0.771	0.768	34.781	27.884	21.17
90	1.146	1.142	34.828	27.898	19.99
95	1.395	1.391	34.860	27.906	19.35
100	1.527	1.522	34.880	27.912	18.80
110	1.580	1.575	34.896	27.921	17.99
120	1.597	1.591	34.904	27.927	17.54
130	1.651	1.645	34.914	27.930	17.26
140	1.540	1.533	34.913	27.938	16.48
150	1.580	1.572	34.918	27.939	16.50
160	1.477	1.469	34.916	27.945	15.91
170	1.458	1.449	34.920	27.950	15.52
180	1.362	1.353	34.913	27.951	15.33
190	1.266	1.257	34.911	27.957	14.82
200	1.242	1.232	34.910	27.958	14.76
210	1.068	1.058	34.900	27.961	14.36
220	0.875	0.865	34.888	27.965	13.92
230	0.877	0.867	34.892	27.968	13.66
240	0.825	0.814	34.889	27.968	13.62
250	0.877	0.866	34.897	27.972	13.36
260	0.802	0.790	34.896	27.975	12.96
270	0.801	0.788	34.897	27.976	12.90
280	0.740	0.728	34.895	27.979	12.62
290	0.713	0.700	34.894	27.980	12.56
300	0.658	0.644	34.894	27.983	12.22
310	0.637	0.623	34.893	27.984	12.10
320	0.603	0.588	34.893	27.986	11.96
330	0.557	0.543	34.894	27.990	11.57
340	0.502	0.488	34.892	27.991	11.36
350	0.490	0.475	34.892	27.992	11.28
360	0.444	0.428	34.892	27.995	10.99
370	0.399	0.383	34.892	27.997	10.73
380	0.384	0.367	34.892	27.998	10.64
390	0.357	0.340	34.892	28.000	10.44
400	0.343	0.326	34.892	28.001	10.36
410	0.324	0.306	34.892	28.002	10.23
420	0.302	0.284	34.893	28.004	10.03
430	0.265	0.246	34.893	28.006	9.78
440	0.219	0.200	34.894	28.010	9.44
450	0.202	0.183	34.893	28.010	9.36

B91.563					
depth	temp	theta	salnty	sig_th	delta
460	0.184	0.165	34.893	28.011	9.26
470	0.167	0.148	34.894	28.012	9.13
480	0.135	0.115	34.894	28.014	8.92
490	0.115	0.095	34.894	28.015	8.79
500	0.097	0.076	34.895	28.017	8.59
510	0.086	0.065	34.895	28.018	8.52
520	0.047	0.025	34.896	28.021	8.21
530	0.022	0.000	34.896	28.022	8.02
540	0.009	-0.013	34.896	28.023	7.92
550	-0.012	-0.034	34.897	28.025	7.74
560	-0.027	-0.050	34.896	28.025	7.67
570	-0.044	-0.068	34.897	28.027	7.51
580	-0.053	-0.076	34.897	28.027	7.43
590	-0.073	-0.097	34.898	28.029	7.26
600	-0.098	-0.123	34.898	28.030	7.05
610	-0.116	-0.141	34.898	28.032	6.91
620	-0.123	-0.148	34.899	28.032	6.84
630	-0.141	-0.167	34.901	28.035	6.55
640	-0.163	-0.189	34.900	28.035	6.48
650	-0.174	-0.200	34.900	28.036	6.35
660	-0.186	-0.213	34.900	28.037	6.25
670	-0.194	-0.222	34.900	28.038	6.19
680	-0.210	-0.237	34.901	28.039	6.06
690	-0.225	-0.253	34.901	28.040	5.91
700	-0.237	-0.266	34.902	28.041	5.77
710	-0.254	-0.283	34.902	28.042	5.63
720	-0.267	-0.296	34.903	28.043	5.47
730	-0.284	-0.314	34.903	28.044	5.35
740	-0.304	-0.334	34.904	28.046	5.17
750	-0.319	-0.350	34.904	28.047	5.04
760	-0.323	-0.354	34.904	28.047	4.99
770	-0.335	-0.366	34.904	28.048	4.90
780	-0.352	-0.383	34.905	28.049	4.70
790	-0.353	-0.385	34.905	28.049	4.70
800	-0.364	-0.396	34.906	28.050	4.57
810	-0.380	-0.412	34.906	28.052	4.40
820	-0.391	-0.424	34.906	28.052	4.30
830	-0.398	-0.432	34.907	28.053	4.22
840	-0.401	-0.435	34.907	28.053	4.19
850	-0.412	-0.447	34.907	28.054	4.06
860	-0.421	-0.456	34.907	28.054	3.99
870	-0.429	-0.464	34.908	28.055	3.89
880	-0.439	-0.475	34.908	28.056	3.79
890	-0.452	-0.488	34.909	28.057	3.63
900	-0.466	-0.502	34.909	28.058	3.50
910	-0.469	-0.506	34.910	28.059	3.41
920	-0.478	-0.515	34.909	28.059	3.37
930	-0.490	-0.527	34.910	28.060	3.24
940	-0.495	-0.533	34.910	28.060	3.17
950	-0.496	-0.534	34.910	28.060	3.15
960	-0.511	-0.550	34.910	28.061	2.98
970	-0.517	-0.556	34.911	28.062	2.91
980	-0.522	-0.562	34.911	28.062	2.86
990	-0.525	-0.566	34.911	28.063	2.79
1000	-0.531	-0.572	34.911	28.063	2.74

B91.563					
depth	temp	theta	salnty	sig_th	delta
1010	-0.547	-0.588	34.912	28.064	2.55
1020	-0.548	-0.590	34.912	28.064	2.53
1030	-0.552	-0.594	34.912	28.065	2.48
1040	-0.559	-0.602	34.912	28.065	2.40
1050	-0.563	-0.606	34.912	28.066	2.34
1060	-0.565	-0.608	34.912	28.065	2.34
1070	-0.571	-0.615	34.913	28.066	2.22
1080	-0.577	-0.621	34.912	28.066	2.18
1090	-0.585	-0.630	34.913	28.067	2.06
1100	-0.593	-0.639	34.913	28.067	2.00
1110	-0.599	-0.645	34.913	28.068	1.92
1120	-0.604	-0.650	34.913	28.069	1.83
1130	-0.614	-0.661	34.914	28.069	1.70
1140	-0.621	-0.669	34.914	28.070	1.66
1150	-0.627	-0.674	34.914	28.070	1.58
1160	-0.630	-0.679	34.914	28.070	1.52
1170	-0.631	-0.680	34.914	28.070	1.50
1180	-0.638	-0.688	34.914	28.071	1.42
1190	-0.647	-0.697	34.915	28.071	1.32
1200	-0.653	-0.703	34.915	28.072	1.25
1210	-0.658	-0.709	34.915	28.072	1.17
1220	-0.666	-0.717	34.915	28.073	1.10
1230	-0.668	-0.719	34.915	28.073	1.07
1240	-0.676	-0.728	34.915	28.073	0.97
1250	-0.682	-0.734	34.915	28.074	0.90
1260	-0.687	-0.740	34.915	28.074	0.83
1270	-0.690	-0.743	34.915	28.074	0.80
1280	-0.693	-0.746	34.915	28.074	0.76
1290	-0.700	-0.754	34.916	28.075	0.65
1300	-0.700	-0.755	34.916	28.075	0.63
1310	-0.700	-0.755	34.915	28.075	0.63
1320	-0.707	-0.762	34.916	28.075	0.55
1330	-0.710	-0.766	34.916	28.075	0.51
1340	-0.712	-0.768	34.916	28.076	0.45
1350	-0.710	-0.767	34.916	28.076	0.45
1360	-0.710	-0.768	34.915	28.075	0.46
1370	-0.712	-0.770	34.916	28.076	0.39
1380	-0.712	-0.771	34.916	28.076	0.38
1390	-0.714	-0.773	34.916	28.076	0.37
1400	-0.717	-0.777	34.916	28.076	0.31
1410	-0.718	-0.778	34.916	28.076	0.27
1420	-0.718	-0.779	34.916	28.076	0.26
1430	-0.721	-0.783	34.916	28.076	0.20
1440	-0.721	-0.783	34.916	28.076	0.18
1450	-0.721	-0.784	34.916	28.076	0.16
1460	-0.722	-0.785	34.916	28.077	0.13
1470	-0.721	-0.785	34.916	28.077	0.10
1480	-0.723	-0.787	34.916	28.077	0.07
1490	-0.722	-0.787	34.916	28.077	0.07
1500	-0.724	-0.789	34.916	28.077	0.04
1510	-0.724	-0.790	34.916	28.077	-0.00
1520	-0.728	-0.794	34.917	28.077	-0.08
1530	-0.730	-0.797	34.916	28.077	-0.09
1540	-0.729	-0.797	34.916	28.077	-0.10
1550	-0.729	-0.797	34.916	28.077	-0.12

B91.563					
depth	temp	theta	salnty	sig_th	delta
1560	-0.729	-0.798	34.916	28.077	-0.14
1570	-0.729	-0.798	34.916	28.077	-0.17
1580	-0.730	-0.800	34.916	28.077	-0.16
1590	-0.729	-0.800	34.916	28.077	-0.18
1600	-0.731	-0.802	34.916	28.077	-0.22
1610	-0.730	-0.801	34.916	28.077	-0.24
1620	-0.732	-0.804	34.916	28.077	-0.26
1630	-0.732	-0.805	34.916	28.078	-0.30
1640	-0.732	-0.805	34.916	28.078	-0.31
1650	-0.732	-0.806	34.916	28.078	-0.34
1660	-0.732	-0.806	34.916	28.078	-0.36
1670	-0.731	-0.806	34.916	28.078	-0.38
1680	-0.731	-0.807	34.916	28.078	-0.39

B91.564					
depth	temp	theta	salnty	sig_th	delta
5	3.830	3.830	32.350	25.695	228.65
10	3.830	3.830	32.352	25.696	228.59
15	2.111	2.110	32.985	26.350	166.52
20	-1.037	-1.038	33.866	27.236	82.35
25	-1.346	-1.346	33.985	27.343	72.18
30	-1.207	-1.207	34.095	27.427	64.15
35	-0.310	-0.312	34.221	27.493	57.99
40	-0.127	-0.128	34.283	27.534	54.12
45	0.208	0.207	34.372	27.589	49.01
50	-0.292	-0.293	34.415	27.649	43.22
55	-0.271	-0.272	34.428	27.658	42.36
60	-0.191	-0.193	34.455	27.676	40.62
65	-0.193	-0.195	34.492	27.706	37.83
70	-0.157	-0.159	34.542	27.745	34.17
75	-0.176	-0.179	34.585	27.780	30.80
80	0.083	0.080	34.640	27.812	27.87
85	0.418	0.415	34.673	27.819	27.26
90	0.669	0.665	34.717	27.840	25.36
95	0.829	0.825	34.747	27.854	24.11
100	1.174	1.169	34.793	27.868	22.87
110	1.638	1.633	34.864	27.892	20.81
120	1.865	1.859	34.907	27.908	19.33
130	1.951	1.944	34.932	27.922	18.17
140	1.976	1.969	34.942	27.928	17.67
150	1.967	1.959	34.946	27.932	17.31
160	1.911	1.903	34.947	27.937	16.89
170	1.886	1.877	34.948	27.940	16.63
180	1.889	1.879	34.952	27.943	16.39
190	1.907	1.897	34.955	27.944	16.34
200	1.948	1.937	34.963	27.947	16.15
210	1.936	1.924	34.964	27.949	16.01
220	1.826	1.815	34.958	27.953	15.66
230	1.759	1.747	34.954	27.955	15.47
240	1.646	1.634	34.950	27.960	14.93
250	1.556	1.543	34.942	27.961	14.86
260	1.406	1.393	34.932	27.964	14.50
270	1.295	1.282	34.925	27.966	14.25
280	1.034	1.021	34.908	27.970	13.70
290	0.943	0.929	34.902	27.971	13.55
300	0.927	0.913	34.903	27.973	13.39
310	0.927	0.913	34.905	27.975	13.25
320	0.870	0.855	34.906	27.980	12.77
330	0.805	0.790	34.904	27.982	12.50
340	0.756	0.741	34.903	27.985	12.23
350	0.711	0.695	34.900	27.985	12.17
360	0.683	0.667	34.901	27.988	11.92
370	0.672	0.655	34.904	27.991	11.61
380	0.655	0.638	34.905	27.992	11.49
390	0.632	0.615	34.905	27.994	11.31
400	0.614	0.596	34.905	27.995	11.20
410	0.571	0.552	34.905	27.998	10.90
420	0.550	0.531	34.905	27.999	10.78
430	0.539	0.520	34.905	28.000	10.71
440	0.519	0.500	34.905	28.001	10.61
450	0.470	0.451	34.904	28.003	10.36

B91.564					
depth	temp	theta	salnty	sig_th	delta
460	0.441	0.421	34.904	28.005	10.18
470	0.402	0.381	34.903	28.006	10.00
480	0.388	0.367	34.903	28.008	9.89
490	0.355	0.334	34.902	28.008	9.76
500	0.319	0.297	34.900	28.009	9.66
510	0.290	0.268	34.899	28.010	9.53
520	0.247	0.225	34.898	28.011	9.36
530	0.213	0.190	34.896	28.012	9.31
540	0.162	0.139	34.894	28.013	9.11
550	0.128	0.105	34.892	28.013	9.02
560	0.096	0.072	34.891	28.014	8.88
570	0.084	0.060	34.890	28.014	8.85
580	0.067	0.042	34.890	28.015	8.77
590	0.026	0.001	34.890	28.017	8.48
600	-0.006	-0.031	34.888	28.018	8.40
610	-0.029	-0.055	34.888	28.019	8.24
620	-0.027	-0.053	34.890	28.020	8.12
630	-0.070	-0.096	34.889	28.022	7.88
640	-0.114	-0.140	34.887	28.023	7.74
650	-0.085	-0.112	34.890	28.023	7.73
660	-0.161	-0.188	34.887	28.025	7.44
670	-0.119	-0.147	34.892	28.027	7.30
680	-0.142	-0.170	34.894	28.030	7.04
690	-0.159	-0.187	34.894	28.030	6.92
700	-0.153	-0.182	34.895	28.031	6.84
710	-0.170	-0.199	34.898	28.034	6.54
720	-0.179	-0.209	34.899	28.036	6.39
730	-0.200	-0.230	34.898	28.036	6.27
740	-0.205	-0.235	34.898	28.037	6.23
750	-0.211	-0.242	34.899	28.038	6.11
760	-0.217	-0.249	34.900	28.038	6.02
770	-0.235	-0.267	34.900	28.040	5.87
780	-0.244	-0.277	34.901	28.041	5.74
790	-0.259	-0.292	34.901	28.042	5.59
800	-0.278	-0.311	34.901	28.043	5.46
810	-0.299	-0.332	34.902	28.045	5.23
820	-0.311	-0.345	34.902	28.045	5.15
830	-0.333	-0.367	34.902	28.046	5.01
840	-0.356	-0.390	34.902	28.047	4.83
850	-0.374	-0.409	34.902	28.048	4.69
860	-0.378	-0.413	34.903	28.049	4.58
870	-0.382	-0.417	34.903	28.049	4.57
880	-0.406	-0.442	34.903	28.050	4.41
890	-0.411	-0.447	34.903	28.051	4.31
900	-0.405	-0.442	34.905	28.052	4.22
910	-0.431	-0.468	34.905	28.053	4.00
920	-0.441	-0.478	34.906	28.055	3.85
930	-0.451	-0.489	34.907	28.055	3.74
940	-0.457	-0.495	34.907	28.056	3.62
950	-0.469	-0.508	34.908	28.058	3.45
960	-0.492	-0.531	34.907	28.058	3.40
970	-0.490	-0.530	34.909	28.059	3.25
980	-0.497	-0.537	34.909	28.060	3.17
990	-0.514	-0.554	34.909	28.060	3.03
1000	-0.516	-0.557	34.910	28.061	2.96

B91.564					
depth	temp	theta	salnty	sig_th	delta
1010	-0.525	-0.567	34.909	28.061	2.91
1020	-0.529	-0.571	34.910	28.062	2.77
1030	-0.538	-0.580	34.911	28.063	2.68
1040	-0.546	-0.589	34.911	28.064	2.58
1050	-0.549	-0.592	34.911	28.064	2.52
1060	-0.560	-0.604	34.912	28.065	2.37
1070	-0.565	-0.609	34.912	28.065	2.33
1080	-0.567	-0.611	34.912	28.065	2.31
1090	-0.573	-0.618	34.912	28.066	2.20
1100	-0.581	-0.627	34.912	28.067	2.11
1110	-0.592	-0.638	34.913	28.068	1.98
1120	-0.596	-0.643	34.913	28.068	1.92
1130	-0.602	-0.649	34.913	28.068	1.83
1140	-0.608	-0.655	34.913	28.069	1.79
1150	-0.614	-0.661	34.914	28.069	1.68
1160	-0.615	-0.664	34.914	28.070	1.63
1170	-0.626	-0.675	34.914	28.070	1.53
1180	-0.632	-0.681	34.914	28.071	1.47
1190	-0.637	-0.687	34.914	28.071	1.41
1200	-0.644	-0.694	34.914	28.071	1.34
1210	-0.649	-0.700	34.915	28.072	1.26
1220	-0.653	-0.704	34.915	28.072	1.20
1230	-0.663	-0.715	34.915	28.072	1.11
1240	-0.666	-0.718	34.915	28.072	1.08
1250	-0.673	-0.725	34.915	28.073	0.99
1260	-0.676	-0.729	34.915	28.073	0.95
1270	-0.681	-0.734	34.915	28.074	0.87
1280	-0.682	-0.736	34.915	28.074	0.85
1290	-0.685	-0.740	34.915	28.074	0.78
1300	-0.691	-0.746	34.915	28.074	0.77
1310	-0.694	-0.749	34.915	28.074	0.72
1320	-0.695	-0.751	34.915	28.074	0.67
1330	-0.701	-0.757	34.915	28.075	0.60
1340	-0.706	-0.763	34.915	28.075	0.53
1350	-0.712	-0.769	34.915	28.075	0.47
1360	-0.714	-0.772	34.915	28.075	0.44
1370	-0.716	-0.774	34.915	28.076	0.40
1380	-0.721	-0.780	34.916	28.076	0.30
1390	-0.726	-0.786	34.916	28.076	0.26
1400	-0.727	-0.787	34.915	28.076	0.24
1410	-0.730	-0.790	34.916	28.076	0.19
1420	-0.733	-0.794	34.916	28.077	0.13
1430	-0.736	-0.798	34.916	28.077	0.08
1440	-0.736	-0.798	34.916	28.077	0.06
1450	-0.739	-0.801	34.916	28.077	0.03
1460	-0.743	-0.806	34.915	28.077	0.00
1470	-0.747	-0.810	34.916	28.077	-0.07
1480	-0.750	-0.814	34.916	28.078	-0.14
1490	-0.752	-0.817	34.916	28.078	-0.16
1500	-0.755	-0.820	34.916	28.078	-0.21
1510	-0.758	-0.824	34.916	28.078	-0.27
1520	-0.760	-0.826	34.916	28.078	-0.31
1530	-0.761	-0.828	34.916	28.078	-0.34
1540	-0.763	-0.830	34.916	28.078	-0.37
1550	-0.765	-0.832	34.916	28.078	-0.39

B91.564					
depth	temp	theta	salnty	sig_th	delta
1560	-0.770	-0.839	34.916	28.079	-0.49
1570	-0.775	-0.844	34.916	28.079	-0.52
1580	-0.776	-0.845	34.916	28.079	-0.56
1590	-0.776	-0.846	34.916	28.079	-0.58
1600	-0.777	-0.847	34.916	28.079	-0.60
1610	-0.776	-0.848	34.916	28.079	-0.61
1620	-0.776	-0.848	34.916	28.079	-0.66
1630	-0.789	-0.861	34.916	28.080	-0.76
1640	-0.797	-0.870	34.916	28.080	-0.85
1650	-0.808	-0.881	34.916	28.080	-0.93

B91.568					
depth	temp	theta	salnty	sig_th	delta
5	1.990	1.989	31.005	24.773	316.36
10	2.486	2.486	31.443	25.087	286.48
15	3.711	3.710	32.388	25.737	224.76
20	-0.386	-0.386	33.247	26.708	132.35
25	-0.038	-0.039	33.580	26.962	108.36
30	1.944	1.943	34.180	27.319	74.66
35	1.381	1.379	34.306	27.461	61.15
40	-0.309	-0.311	34.348	27.595	48.33
45	-0.642	-0.644	34.337	27.602	47.64
50	-0.008	-0.009	34.440	27.655	42.69
55	-0.202	-0.204	34.479	27.696	38.74
60	-0.391	-0.393	34.500	27.722	36.28
65	-0.608	-0.610	34.508	27.738	34.68
70	-0.476	-0.478	34.539	27.758	32.84
75	-0.686	-0.689	34.578	27.799	28.92
80	-0.322	-0.325	34.617	27.813	27.62
85	-0.080	-0.083	34.651	27.829	26.24
90	-0.087	-0.090	34.662	27.838	25.33
95	0.375	0.371	34.707	27.849	24.43
100	0.620	0.616	34.737	27.858	23.62
110	1.113	1.108	34.800	27.878	21.96
120	1.489	1.483	34.860	27.899	20.09
130	1.538	1.531	34.881	27.912	18.89
140	1.693	1.686	34.903	27.918	18.42
150	1.675	1.667	34.909	27.925	17.86
160	1.692	1.683	34.916	27.929	17.50
170	1.718	1.709	34.925	27.934	17.10
180	1.661	1.652	34.925	27.939	16.68
190	1.769	1.759	34.942	27.944	16.27
200	1.771	1.761	34.943	27.945	16.26
210	1.725	1.714	34.944	27.949	15.84
220	1.485	1.474	34.931	27.957	15.03
230	1.352	1.340	34.920	27.958	14.94
240	1.248	1.237	34.913	27.959	14.76
250	1.141	1.129	34.906	27.961	14.52
260	1.112	1.099	34.909	27.965	14.14
270	1.093	1.080	34.905	27.963	14.34
280	1.060	1.047	34.909	27.969	13.80
290	0.971	0.957	34.904	27.971	13.59
300	0.944	0.930	34.908	27.976	13.12
310	0.834	0.820	34.899	27.976	13.05
320	0.758	0.743	34.895	27.978	12.81
330	0.720	0.705	34.895	27.980	12.60
340	0.692	0.677	34.894	27.982	12.47
350	0.653	0.637	34.893	27.983	12.30
360	0.641	0.625	34.896	27.986	12.02
370	0.648	0.631	34.898	27.988	11.89
380	0.613	0.596	34.898	27.989	11.71
390	0.567	0.549	34.896	27.991	11.56
400	0.519	0.502	34.895	27.993	11.32
410	0.507	0.489	34.896	27.995	11.16
420	0.480	0.462	34.896	27.996	10.98
430	0.474	0.455	34.897	27.997	10.89
440	0.434	0.415	34.898	28.000	10.59
450	0.387	0.367	34.896	28.002	10.39

B91.568					
depth	temp	theta	salnty	sig_th	delta
460	0.366	0.346	34.897	28.004	10.20
470	0.340	0.320	34.895	28.004	10.14
480	0.288	0.267	34.893	28.005	9.95
490	0.261	0.240	34.893	28.007	9.79
500	0.237	0.216	34.893	28.008	9.66
510	0.201	0.179	34.892	28.009	9.49
520	0.169	0.147	34.893	28.012	9.22
530	0.152	0.130	34.891	28.012	9.21
540	0.130	0.107	34.891	28.013	9.08
550	0.101	0.078	34.891	28.014	8.92
560	0.068	0.044	34.890	28.015	8.74
570	0.045	0.021	34.889	28.016	8.65
580	0.013	-0.011	34.888	28.017	8.53
590	-0.002	-0.026	34.888	28.017	8.44
600	-0.017	-0.042	34.889	28.019	8.24
610	-0.024	-0.049	34.890	28.020	8.15
620	-0.044	-0.070	34.891	28.022	7.90
630	-0.064	-0.090	34.892	28.024	7.75
640	-0.093	-0.119	34.891	28.024	7.63
650	-0.089	-0.116	34.892	28.026	7.52
660	-0.107	-0.134	34.893	28.027	7.34
670	-0.141	-0.168	34.893	28.029	7.13
680	-0.145	-0.173	34.894	28.030	6.98
690	-0.168	-0.197	34.894	28.031	6.84
700	-0.183	-0.211	34.895	28.032	6.68
710	-0.210	-0.239	34.894	28.034	6.52
720	-0.211	-0.241	34.896	28.035	6.38
730	-0.213	-0.243	34.898	28.036	6.23
740	-0.229	-0.259	34.898	28.038	6.08
750	-0.249	-0.280	34.899	28.039	5.91
760	-0.265	-0.296	34.898	28.039	5.87
770	-0.283	-0.314	34.898	28.041	5.68
780	-0.274	-0.306	34.901	28.042	5.53
790	-0.286	-0.318	34.901	28.043	5.46
800	-0.301	-0.334	34.903	28.045	5.19
810	-0.308	-0.341	34.903	28.046	5.11
820	-0.320	-0.353	34.903	28.046	5.03
830	-0.330	-0.364	34.904	28.047	4.91
840	-0.339	-0.373	34.903	28.047	4.88
850	-0.349	-0.384	34.903	28.048	4.78
860	-0.365	-0.400	34.905	28.050	4.55
870	-0.380	-0.415	34.906	28.051	4.36
880	-0.394	-0.429	34.905	28.052	4.29
890	-0.401	-0.438	34.905	28.052	4.21
900	-0.411	-0.448	34.906	28.053	4.12
910	-0.424	-0.461	34.907	28.054	3.94
920	-0.432	-0.470	34.907	28.055	3.83
930	-0.439	-0.477	34.907	28.055	3.78
940	-0.445	-0.484	34.908	28.056	3.69
950	-0.452	-0.491	34.908	28.057	3.62
960	-0.461	-0.501	34.908	28.058	3.49
970	-0.469	-0.508	34.909	28.058	3.40
980	-0.479	-0.520	34.909	28.059	3.28
990	-0.488	-0.528	34.909	28.059	3.22
1000	-0.499	-0.541	34.910	28.061	3.04

B91.568					
depth	temp	theta	salnty	sig_th	delta
1010	-0.507	-0.548	34.910	28.061	2.97
1020	-0.513	-0.555	34.910	28.061	2.93
1030	-0.520	-0.563	34.910	28.062	2.83
1040	-0.528	-0.571	34.911	28.063	2.71
1050	-0.533	-0.577	34.911	28.063	2.67
1060	-0.541	-0.585	34.910	28.063	2.66
1070	-0.548	-0.593	34.911	28.064	2.53
1080	-0.554	-0.598	34.912	28.065	2.40
1090	-0.561	-0.606	34.912	28.065	2.30
1100	-0.565	-0.611	34.912	28.065	2.28
1110	-0.566	-0.613	34.912	28.066	2.21
1120	-0.574	-0.621	34.913	28.067	2.11
1130	-0.579	-0.626	34.912	28.067	2.08
1140	-0.585	-0.632	34.912	28.067	2.02
1150	-0.592	-0.640	34.913	28.067	1.94
1160	-0.600	-0.648	34.913	28.068	1.84
1170	-0.606	-0.655	34.914	28.069	1.73
1180	-0.609	-0.659	34.913	28.069	1.71
1190	-0.613	-0.663	34.915	28.070	1.56
1200	-0.622	-0.672	34.915	28.070	1.49
1210	-0.630	-0.680	34.914	28.070	1.45
1220	-0.637	-0.688	34.915	28.071	1.32
1230	-0.643	-0.695	34.914	28.071	1.29
1240	-0.645	-0.697	34.914	28.071	1.27
1250	-0.650	-0.703	34.915	28.072	1.18
1260	-0.655	-0.708	34.914	28.072	1.15
1270	-0.657	-0.711	34.915	28.072	1.10
1280	-0.663	-0.717	34.915	28.073	1.01
1290	-0.667	-0.722	34.915	28.073	0.95
1300	-0.673	-0.728	34.915	28.073	0.88
1310	-0.678	-0.734	34.914	28.073	0.91
1320	-0.684	-0.740	34.916	28.074	0.73
1330	-0.686	-0.742	34.915	28.074	0.70
1340	-0.688	-0.745	34.915	28.074	0.67
1350	-0.694	-0.751	34.915	28.074	0.62
1360	-0.699	-0.757	34.916	28.075	0.53
1370	-0.705	-0.763	34.915	28.075	0.48
1380	-0.708	-0.767	34.915	28.075	0.45
1390	-0.709	-0.769	34.915	28.075	0.41
1400	-0.715	-0.775	34.916	28.076	0.32
1410	-0.720	-0.780	34.916	28.076	0.28
1420	-0.722	-0.783	34.916	28.076	0.23
1430	-0.724	-0.785	34.915	28.076	0.21
1440	-0.728	-0.790	34.916	28.076	0.14
1450	-0.731	-0.794	34.916	28.077	0.08
1460	-0.735	-0.798	34.916	28.077	0.04
1470	-0.736	-0.800	34.916	28.077	0.01
1480	-0.740	-0.804	34.916	28.077	-0.03
1490	-0.744	-0.809	34.916	28.078	-0.12
1500	-0.746	-0.811	34.916	28.077	-0.13
1510	-0.751	-0.816	34.916	28.078	-0.23
1520	-0.753	-0.820	34.916	28.078	-0.26
1530	-0.756	-0.822	34.916	28.078	-0.28
1540	-0.760	-0.827	34.916	28.079	-0.37
1550	-0.763	-0.831	34.916	28.079	-0.39

B91.568					
depth	temp	theta	salnty	sig_th	delta
1560	-0.764	-0.832	34.916	28.079	-0.43
1570	-0.766	-0.835	34.916	28.079	-0.48
1580	-0.770	-0.839	34.916	28.079	-0.52
1590	-0.775	-0.845	34.916	28.079	-0.60
1600	-0.782	-0.852	34.916	28.079	-0.65
1610	-0.784	-0.855	34.916	28.079	-0.65
1620	-0.788	-0.860	34.916	28.080	-0.76
1630	-0.793	-0.865	34.916	28.080	-0.78
1640	-0.800	-0.872	34.916	28.080	-0.86
1650	-0.811	-0.884	34.916	28.081	-0.99
1660	-0.817	-0.891	34.916	28.081	-1.08
1670	-0.822	-0.896	34.916	28.081	-1.12

B91.569					
depth	temp	theta	salnty	sig_th	delta
5	-0.752	-0.752	29.568	23.746	414.18
10	-0.547	-0.548	30.762	24.706	322.64
15	-1.153	-1.153	32.753	26.338	167.53
20	-1.435	-1.435	33.086	26.616	141.09
25	-1.466	-1.466	33.368	26.846	119.25
30	-1.537	-1.538	33.533	26.981	106.34
35	-1.561	-1.562	33.609	27.044	100.39
40	-1.476	-1.476	33.723	27.134	91.81
45	-1.474	-1.475	33.817	27.210	84.61
50	-1.410	-1.411	33.933	27.302	75.84
55	-1.457	-1.458	33.985	27.346	71.66
60	-1.427	-1.429	34.036	27.387	67.82
65	-1.392	-1.394	34.086	27.426	64.08
70	-1.326	-1.327	34.131	27.461	60.75
75	-1.323	-1.325	34.166	27.489	58.07
80	-1.268	-1.271	34.208	27.521	55.06
85	-1.228	-1.231	34.246	27.551	52.19
90	-1.044	-1.046	34.287	27.577	49.73
95	-0.893	-0.896	34.327	27.604	47.23
100	-0.522	-0.525	34.390	27.640	43.96
110	-0.068	-0.072	34.495	27.702	38.16
120	0.306	0.302	34.611	27.776	31.32
130	0.020	0.015	34.628	27.805	28.45
140	0.356	0.350	34.690	27.837	25.62
150	1.482	1.475	34.821	27.869	23.07
160	1.780	1.771	34.865	27.882	22.01
170	2.182	2.173	34.925	27.898	20.72
180	2.252	2.242	34.951	27.913	19.41
190	2.237	2.227	34.954	27.916	19.16
200	1.204	1.195	34.860	27.920	18.29
210	1.166	1.156	34.862	27.924	17.89
220	1.428	1.417	34.890	27.928	17.70
230	1.538	1.526	34.904	27.931	17.55
240	1.540	1.528	34.907	27.934	17.36
250	1.471	1.458	34.907	27.939	16.84
260	1.631	1.618	34.924	27.941	16.83
270	1.570	1.556	34.924	27.945	16.41
280	1.601	1.586	34.930	27.948	16.24
290	1.556	1.541	34.931	27.952	15.83
300	1.416	1.401	34.923	27.956	15.39
310	1.405	1.389	34.925	27.958	15.23
320	1.241	1.225	34.915	27.961	14.81
330	1.171	1.154	34.910	27.963	14.64
340	1.074	1.057	34.904	27.965	14.42
350	1.014	0.998	34.903	27.968	14.10
360	0.973	0.956	34.900	27.968	14.06
370	0.927	0.910	34.899	27.971	13.79
380	0.889	0.871	34.899	27.973	13.54
390	0.814	0.796	34.896	27.975	13.29
400	0.766	0.747	34.894	27.977	13.10
410	0.745	0.726	34.893	27.978	13.03
420	0.697	0.678	34.893	27.980	12.73
430	0.614	0.594	34.888	27.982	12.51
440	0.639	0.619	34.893	27.984	12.38
450	0.566	0.545	34.889	27.986	12.12

B91.569					
depth	temp	theta	salnty	sig_th	delta
460	0.555	0.534	34.890	27.987	12.02
470	0.507	0.487	34.889	27.989	11.78
480	0.438	0.416	34.885	27.990	11.61
490	0.479	0.457	34.891	27.992	11.47
500	0.453	0.430	34.890	27.993	11.33
510	0.435	0.412	34.891	27.995	11.13
520	0.417	0.394	34.892	27.997	10.96
530	0.372	0.349	34.891	27.999	10.70
540	0.360	0.336	34.894	28.002	10.47
550	0.328	0.304	34.892	28.002	10.36
560	0.269	0.244	34.890	28.004	10.14
570	0.258	0.234	34.891	28.005	10.01
580	0.234	0.209	34.891	28.007	9.79
590	0.209	0.183	34.891	28.008	9.66
600	0.178	0.152	34.891	28.010	9.46
610	0.177	0.150	34.892	28.011	9.36
620	0.145	0.118	34.893	28.013	9.07
630	0.122	0.095	34.893	28.015	8.91
640	0.119	0.091	34.894	28.016	8.83
650	0.105	0.077	34.895	28.017	8.64
660	0.071	0.043	34.895	28.019	8.40
670	0.057	0.028	34.895	28.020	8.29
680	0.032	0.003	34.895	28.021	8.15
690	0.021	-0.009	34.896	28.023	7.96
700	0.007	-0.023	34.895	28.023	7.94
710	0.001	-0.029	34.897	28.025	7.76
720	-0.019	-0.049	34.898	28.026	7.58
730	-0.039	-0.070	34.899	28.028	7.34
740	-0.050	-0.082	34.898	28.028	7.34
750	-0.071	-0.102	34.898	28.030	7.16
760	-0.104	-0.136	34.898	28.032	6.91
770	-0.126	-0.159	34.899	28.033	6.74
780	-0.142	-0.175	34.899	28.034	6.61
790	-0.145	-0.179	34.900	28.035	6.51
800	-0.167	-0.201	34.900	28.036	6.31
810	-0.178	-0.212	34.900	28.036	6.28
820	-0.189	-0.223	34.901	28.038	6.08
830	-0.210	-0.245	34.901	28.039	5.93
840	-0.219	-0.254	34.901	28.040	5.85
850	-0.225	-0.260	34.901	28.040	5.81
860	-0.231	-0.267	34.901	28.040	5.75
870	-0.236	-0.273	34.901	28.041	5.69
880	-0.248	-0.285	34.902	28.042	5.55
890	-0.263	-0.301	34.902	28.043	5.41
900	-0.278	-0.315	34.904	28.045	5.16
910	-0.290	-0.328	34.904	28.046	5.06
920	-0.297	-0.336	34.904	28.046	5.01
930	-0.317	-0.356	34.905	28.048	4.83
940	-0.336	-0.375	34.906	28.050	4.55
950	-0.341	-0.380	34.906	28.050	4.54
960	-0.348	-0.388	34.906	28.050	4.49
970	-0.358	-0.399	34.907	28.051	4.35
980	-0.373	-0.414	34.907	28.052	4.21
990	-0.406	-0.448	34.907	28.054	3.97
1000	-0.435	-0.477	34.906	28.054	3.83

B91.569					
depth	temp	theta	salnty	sig_th	delta
1010	-0.441	-0.483	34.906	28.055	3.75
1020	-0.448	-0.490	34.907	28.056	3.64
1030	-0.456	-0.499	34.907	28.056	3.54
1040	-0.475	-0.518	34.907	28.057	3.37
1050	-0.489	-0.533	34.907	28.058	3.24
1060	-0.496	-0.540	34.907	28.059	3.17
1070	-0.504	-0.548	34.907	28.059	3.10
1080	-0.511	-0.556	34.908	28.060	2.98
1090	-0.516	-0.561	34.909	28.061	2.88
1100	-0.533	-0.578	34.909	28.062	2.72
1110	-0.533	-0.579	34.909	28.062	2.72
1120	-0.541	-0.588	34.911	28.063	2.51
1130	-0.549	-0.596	34.910	28.064	2.46
1140	-0.558	-0.606	34.911	28.065	2.33
1150	-0.563	-0.611	34.911	28.065	2.24
1160	-0.572	-0.620	34.912	28.066	2.12
1170	-0.584	-0.633	34.913	28.067	1.95
1180	-0.597	-0.646	34.913	28.068	1.80
1190	-0.601	-0.651	34.914	28.069	1.71
1200	-0.602	-0.652	34.914	28.069	1.70
1210	-0.603	-0.654	34.914	28.069	1.66
1220	-0.606	-0.657	34.914	28.069	1.61
1230	-0.606	-0.658	34.914	28.069	1.59
1240	-0.609	-0.661	34.914	28.070	1.54
1250	-0.627	-0.679	34.915	28.071	1.31
1260	-0.630	-0.684	34.915	28.072	1.26
1270	-0.634	-0.687	34.915	28.072	1.23
1280	-0.634	-0.689	34.915	28.072	1.21
1290	-0.637	-0.692	34.916	28.072	1.11
1300	-0.642	-0.697	34.917	28.073	1.01
1310	-0.650	-0.706	34.917	28.074	0.91
1320	-0.657	-0.714	34.917	28.074	0.85
1330	-0.661	-0.717	34.916	28.074	0.84
1340	-0.670	-0.727	34.917	28.074	0.73
1350	-0.685	-0.743	34.917	28.075	0.56
1360	-0.690	-0.748	34.915	28.074	0.67
1370	-0.696	-0.755	34.917	28.076	0.44
1380	-0.707	-0.766	34.917	28.076	0.36
1390	-0.724	-0.783	34.917	28.077	0.17
1400	-0.736	-0.795	34.916	28.077	0.10
1410	-0.738	-0.798	34.916	28.077	0.10

B91.572					
depth	temp	theta	salnty	sig_th	delta
5	-0.219	-0.219	29.882	23.984	391.52
10	1.419	1.418	30.333	24.271	364.22
15	1.502	1.501	30.429	24.343	357.34
20	0.846	0.845	30.963	24.809	312.89
25	0.554	0.553	33.765	27.079	97.27
30	-0.646	-0.647	34.129	27.434	63.60
35	-0.647	-0.648	34.235	27.519	55.47
40	-0.751	-0.753	34.304	27.580	49.72
45	-0.377	-0.379	34.367	27.614	46.54
50	0.041	0.039	34.437	27.650	43.16
55	0.339	0.337	34.543	27.719	36.72
60	0.426	0.424	34.582	27.745	34.25
65	0.972	0.969	34.638	27.757	33.24
70	1.397	1.394	34.702	27.779	31.27
75	1.526	1.523	34.750	27.808	28.51
80	2.071	2.067	34.820	27.822	27.33
85	2.349	2.344	34.874	27.843	25.46
90	2.369	2.364	34.890	27.854	24.49
95	2.293	2.288	34.897	27.866	23.35
100	2.327	2.322	34.913	27.876	22.47
110	2.469	2.463	34.944	27.889	21.33
120	2.444	2.438	34.954	27.899	20.43
130	2.373	2.365	34.956	27.907	19.75
140	2.395	2.387	34.965	27.912	19.30
150	2.300	2.291	34.964	27.919	18.66
160	2.207	2.198	34.964	27.927	17.95
170	2.227	2.218	34.973	27.933	17.48
180	2.211	2.201	34.975	27.936	17.25
190	2.152	2.142	34.973	27.938	17.02
200	2.064	2.053	34.971	27.944	16.45
210	2.006	1.995	34.966	27.945	16.39
220	1.961	1.949	34.965	27.948	16.17
230	1.917	1.904	34.963	27.950	16.04
240	1.851	1.838	34.959	27.952	15.83
250	1.819	1.805	34.959	27.954	15.65
260	1.730	1.716	34.954	27.957	15.35
270	1.644	1.630	34.950	27.960	15.06
280	1.495	1.481	34.940	27.964	14.67
290	1.425	1.410	34.935	27.964	14.58
300	1.249	1.234	34.922	27.967	14.24
310	1.075	1.060	34.909	27.969	13.95
320	1.195	1.179	34.923	27.972	13.82
330	1.136	1.120	34.921	27.974	13.56
340	1.110	1.093	34.922	27.977	13.31
350	1.041	1.024	34.919	27.979	13.04
360	0.959	0.942	34.917	27.983	12.64
370	0.897	0.880	34.913	27.984	12.51
380	0.836	0.818	34.910	27.986	12.32
390	0.811	0.793	34.910	27.987	12.21
400	0.851	0.832	34.915	27.988	12.15
410	0.795	0.776	34.913	27.991	11.87
420	0.758	0.739	34.912	27.992	11.69
430	0.750	0.730	34.914	27.994	11.51
440	0.705	0.684	34.913	27.996	11.29
450	0.675	0.654	34.913	27.998	11.11

B91.572					
depth	temp	theta	salnty	sig_th	delta
460	0.665	0.644	34.913	27.999	11.02
470	0.647	0.625	34.914	28.000	10.88
480	0.628	0.606	34.913	28.001	10.80
490	0.557	0.534	34.910	28.003	10.54
500	0.528	0.505	34.910	28.004	10.39
510	0.468	0.445	34.907	28.006	10.22
520	0.445	0.422	34.905	28.005	10.21
530	0.425	0.401	34.905	28.007	10.06
540	0.443	0.419	34.907	28.008	10.04
550	0.403	0.379	34.906	28.009	9.84
560	0.396	0.371	34.906	28.010	9.77
570	0.380	0.355	34.908	28.012	9.58
580	0.340	0.314	34.906	28.013	9.42
590	0.335	0.309	34.906	28.013	9.41
600	0.276	0.250	34.906	28.017	8.96
610	0.222	0.195	34.899	28.014	9.18
620	0.166	0.139	34.895	28.014	9.03
630	0.204	0.177	34.900	28.016	8.94
640	0.175	0.148	34.899	28.017	8.81
650	0.130	0.102	34.897	28.018	8.64
660	0.077	0.049	34.894	28.018	8.52
670	0.007	-0.021	34.891	28.019	8.26
680	0.000	-0.029	34.891	28.019	8.25

B91.573					
depth	temp	theta	salnty	sig_th	delta
5	-1.087	-1.087	29.898	24.022	387.94
10	-1.134	-1.134	30.044	24.141	376.48
15	0.863	0.862	30.592	24.510	341.42
20	0.802	0.801	33.493	26.846	119.42
25	-0.087	-0.088	34.044	27.339	72.59
30	0.125	0.124	34.175	27.434	63.67
35	0.731	0.729	34.453	27.623	45.83
40	1.170	1.168	34.555	27.677	40.78
45	1.722	1.720	34.687	27.742	34.64
50	1.886	1.883	34.732	27.766	32.44
55	2.126	2.123	34.803	27.804	28.93
60	2.302	2.299	34.869	27.843	25.33
65	2.330	2.326	34.883	27.852	24.52
70	2.333	2.329	34.901	27.866	23.19
75	2.340	2.336	34.918	27.878	22.07
80	2.363	2.358	34.932	27.888	21.21
85	2.348	2.343	34.942	27.897	20.34
90	2.390	2.385	34.952	27.901	19.99
95	2.392	2.386	34.956	27.905	19.69
100	2.436	2.430	34.965	27.908	19.39
110	2.405	2.399	34.970	27.915	18.82
120	2.450	2.443	34.979	27.918	18.60
130	2.519	2.512	34.995	27.925	18.08
140	2.506	2.498	34.996	27.927	17.91
150	2.452	2.443	34.994	27.930	17.67
160	2.438	2.429	34.995	27.933	17.51
170	2.346	2.337	34.989	27.935	17.28
180	2.316	2.306	34.989	27.937	17.12
190	2.170	2.159	34.979	27.942	16.67
200	2.042	2.031	34.972	27.947	16.24
210	1.970	1.959	34.966	27.948	16.10
220	1.922	1.910	34.966	27.952	15.77
230	1.726	1.714	34.955	27.958	15.09
240	1.631	1.619	34.948	27.960	14.95
250	1.486	1.474	34.939	27.963	14.55
260	1.348	1.335	34.931	27.967	14.16
270	1.241	1.228	34.921	27.966	14.21
280	1.288	1.274	34.929	27.969	13.97
290	1.206	1.191	34.925	27.972	13.69
300	1.135	1.121	34.922	27.975	13.41
310	1.049	1.034	34.918	27.978	13.09
320	1.039	1.024	34.919	27.979	13.02
330	0.949	0.933	34.917	27.983	12.54
340	0.852	0.837	34.912	27.986	12.21
350	0.757	0.741	34.909	27.989	11.83
360	0.705	0.688	34.907	27.991	11.61
370	0.658	0.641	34.905	27.993	11.45
380	0.624	0.607	34.898	27.989	11.78
390	0.579	0.562	34.904	27.996	11.06
400	0.575	0.557	34.905	27.998	10.93
410	0.552	0.534	34.906	28.000	10.75
420	0.514	0.496	34.906	28.002	10.46
430	0.502	0.483	34.906	28.003	10.39
440	0.477	0.457	34.906	28.004	10.24
450	0.453	0.433	34.906	28.006	10.12

B91.573					
depth	temp	theta	salnty	sig_th	delta
460	0.450	0.430	34.907	28.006	10.04
470	0.436	0.415	34.907	28.007	9.95
480	0.410	0.389	34.906	28.009	9.80
490	0.395	0.373	34.907	28.010	9.69
500	0.389	0.367	34.907	28.010	9.64
510	0.357	0.334	34.906	28.012	9.46
520	0.331	0.309	34.905	28.013	9.36
530	0.314	0.291	34.906	28.014	9.22
540	0.306	0.282	34.905	28.014	9.25
550	0.285	0.262	34.904	28.014	9.19
560	0.242	0.218	34.901	28.014	9.11
570	0.202	0.177	34.899	28.015	8.97
580	0.163	0.138	34.898	28.016	8.81
590	0.129	0.104	34.895	28.016	8.76
600	0.131	0.105	34.897	28.018	8.64
610	0.106	0.080	34.897	28.019	8.50
620	0.050	0.024	34.894	28.020	8.32
630	-0.013	-0.039	34.891	28.020	8.14
640	-0.025	-0.052	34.890	28.020	8.13
650	-0.022	-0.049	34.891	28.021	8.04
660	-0.071	-0.098	34.890	28.023	7.82
670	-0.071	-0.099	34.890	28.023	7.80
680	-0.083	-0.111	34.891	28.025	7.62
690	-0.102	-0.131	34.892	28.026	7.48

B91.574					
depth	temp	theta	salnty	sig_th	delta
5	-1.264	-1.264	29.856	23.991	390.83
10	-1.246	-1.246	29.893	24.021	387.90
15	1.425	1.425	31.091	24.878	306.35
20	0.715	0.714	33.736	27.046	100.38
25	-0.230	-0.231	34.110	27.399	66.88
30	0.214	0.213	34.283	27.516	55.85
35	0.493	0.492	34.393	27.589	48.98
40	1.174	1.172	34.545	27.668	41.61
45	1.237	1.235	34.580	27.692	39.37
50	1.805	1.803	34.719	27.762	32.82
55	2.088	2.085	34.799	27.804	28.91
60	2.239	2.235	34.851	27.833	26.24
65	2.377	2.374	34.885	27.849	24.76
70	2.444	2.440	34.913	27.866	23.22
75	2.402	2.398	34.918	27.873	22.58
80	2.376	2.371	34.920	27.877	22.23
85	2.394	2.389	34.932	27.886	21.44
90	2.412	2.407	34.942	27.892	20.87
95	2.376	2.370	34.946	27.898	20.29
100	2.361	2.356	34.953	27.905	19.72
110	2.428	2.422	34.970	27.913	19.05
120	2.453	2.446	34.983	27.921	18.33
130	2.474	2.466	34.988	27.924	18.15
140	2.497	2.489	34.997	27.928	17.80
150	2.446	2.437	34.995	27.932	17.51
160	2.405	2.395	34.995	27.935	17.30
170	2.362	2.352	34.995	27.939	16.93
180	2.319	2.309	34.992	27.940	16.89
190	2.198	2.187	34.984	27.944	16.54
200	2.050	2.039	34.975	27.949	16.04
210	1.959	1.948	34.969	27.951	15.82
220	1.896	1.884	34.967	27.954	15.54
230	1.806	1.794	34.961	27.957	15.32
240	1.774	1.761	34.961	27.959	15.11
250	1.643	1.630	34.953	27.963	14.71
260	1.500	1.487	34.945	27.967	14.29
270	1.341	1.328	34.934	27.970	13.91
280	1.283	1.269	34.930	27.971	13.81
290	1.158	1.144	34.923	27.974	13.44
300	1.092	1.078	34.919	27.975	13.31
310	1.051	1.036	34.918	27.977	13.12
320	0.975	0.959	34.915	27.980	12.85
330	0.929	0.913	34.914	27.982	12.61
340	0.814	0.798	34.910	27.986	12.14
350	0.728	0.712	34.907	27.989	11.79
360	0.680	0.664	34.905	27.991	11.61
370	0.660	0.644	34.905	27.992	11.47
380	0.611	0.594	34.903	27.993	11.34
390	0.587	0.569	34.902	27.995	11.20
400	0.570	0.552	34.904	27.997	11.01
410	0.584	0.565	34.906	27.998	10.95
420	0.525	0.506	34.905	28.000	10.66
430	0.512	0.493	34.906	28.002	10.51
440	0.494	0.474	34.907	28.004	10.28
450	0.461	0.441	34.906	28.006	10.13

B91.574					
depth	temp	theta	salnty	sig_th	delta
460	0.445	0.425	34.906	28.006	10.07
470	0.418	0.398	34.906	28.008	9.91
480	0.405	0.384	34.905	28.008	9.86
490	0.398	0.376	34.905	28.009	9.82
500	0.402	0.380	34.907	28.010	9.70
510	0.364	0.341	34.905	28.010	9.62
520	0.317	0.294	34.904	28.012	9.39
530	0.283	0.261	34.903	28.013	9.24
540	0.261	0.238	34.902	28.014	9.16
550	0.225	0.201	34.900	28.015	9.05
560	0.185	0.161	34.898	28.015	8.91
570	0.160	0.135	34.897	28.016	8.87
580	0.139	0.115	34.897	28.017	8.69
590	0.142	0.117	34.898	28.018	8.62
600	0.091	0.065	34.896	28.019	8.49
610	0.087	0.061	34.896	28.019	8.44
620	0.074	0.048	34.896	28.020	8.36
630	0.065	0.038	34.895	28.020	8.34
640	0.034	0.007	34.894	28.021	8.20
650	-0.062	-0.089	34.888	28.021	8.00
660	-0.079	-0.106	34.888	28.021	7.94
670	-0.059	-0.087	34.891	28.023	7.84
680	-0.082	-0.110	34.891	28.024	7.67
690	-0.101	-0.129	34.892	28.026	7.48
700	-0.136	-0.165	34.889	28.026	7.41
710	-0.138	-0.168	34.890	28.027	7.31
720	-0.153	-0.183	34.890	28.027	7.20
730	-0.167	-0.197	34.892	28.029	6.99
740	-0.192	-0.223	34.893	28.032	6.71
750	-0.225	-0.256	34.892	28.032	6.57
760	-0.241	-0.272	34.893	28.034	6.38
770	-0.259	-0.290	34.892	28.034	6.32
780	-0.280	-0.312	34.892	28.036	6.14
790	-0.286	-0.318	34.893	28.037	6.02
800	-0.282	-0.315	34.896	28.038	5.88
810	-0.298	-0.331	34.894	28.038	5.84
820	-0.338	-0.372	34.894	28.039	5.61
830	-0.340	-0.373	34.895	28.040	5.51
840	-0.333	-0.368	34.897	28.042	5.41
850	-0.361	-0.396	34.896	28.043	5.21
860	-0.395	-0.430	34.894	28.043	5.12
870	-0.389	-0.424	34.896	28.044	5.01
880	-0.395	-0.430	34.897	28.045	4.90
890	-0.413	-0.449	34.897	28.046	4.74
900	-0.429	-0.466	34.897	28.047	4.63
910	-0.444	-0.481	34.897	28.048	4.49
920	-0.453	-0.490	34.898	28.049	4.38
930	-0.455	-0.493	34.899	28.050	4.26
940	-0.464	-0.502	34.900	28.051	4.14
950	-0.463	-0.502	34.901	28.052	4.02
960	-0.479	-0.518	34.901	28.052	3.92
970	-0.484	-0.524	34.901	28.053	3.83
980	-0.486	-0.526	34.903	28.054	3.73
990	-0.495	-0.536	34.903	28.055	3.62
1000	-0.495	-0.536	34.904	28.056	3.52

B91.574					
depth	temp	theta	salnty	sig_th	delta
1010	-0.501	-0.543	34.904	28.056	3.43
1020	-0.518	-0.560	34.905	28.057	3.28
1030	-0.525	-0.568	34.905	28.058	3.19
1040	-0.525	-0.568	34.906	28.059	3.09
1050	-0.528	-0.571	34.907	28.060	3.00
1060	-0.541	-0.584	34.907	28.060	2.90
1070	-0.539	-0.584	34.907	28.061	2.83
1080	-0.549	-0.594	34.907	28.061	2.75
1090	-0.553	-0.598	34.908	28.062	2.65
1100	-0.558	-0.604	34.908	28.062	2.58
1110	-0.561	-0.607	34.909	28.063	2.49
1120	-0.573	-0.619	34.909	28.064	2.37
1130	-0.576	-0.623	34.910	28.064	2.29
1140	-0.580	-0.628	34.910	28.065	2.20
1150	-0.583	-0.631	34.911	28.066	2.10
1160	-0.584	-0.633	34.912	28.066	2.03
1170	-0.594	-0.643	34.912	28.067	1.94
1180	-0.596	-0.645	34.913	28.068	1.86
1190	-0.606	-0.656	34.913	28.069	1.71
1200	-0.613	-0.663	34.914	28.069	1.60
1210	-0.619	-0.670	34.913	28.069	1.57
1220	-0.621	-0.673	34.914	28.070	1.50
1230	-0.628	-0.680	34.915	28.071	1.36
1240	-0.633	-0.686	34.916	28.072	1.25
1250	-0.648	-0.701	34.916	28.073	1.11
1260	-0.655	-0.708	34.916	28.073	1.03
1270	-0.663	-0.716	34.916	28.074	0.93
1280	-0.671	-0.725	34.916	28.074	0.84
1290	-0.674	-0.729	34.916	28.074	0.79
1300	-0.686	-0.741	34.916	28.075	0.71
1310	-0.697	-0.753	34.916	28.075	0.60
1320	-0.709	-0.765	34.916	28.076	0.47
1330	-0.716	-0.772	34.917	28.076	0.39
1340	-0.727	-0.783	34.917	28.077	0.27
1350	-0.729	-0.786	34.918	28.078	0.17
1360	-0.737	-0.795	34.917	28.078	0.12
1370	-0.747	-0.805	34.917	28.078	0.03
1380	-0.747	-0.806	34.918	28.079	-0.04
1390	-0.754	-0.813	34.918	28.079	-0.13
1400	-0.759	-0.819	34.917	28.079	-0.15
1410	-0.776	-0.836	34.917	28.080	-0.29
1420	-0.785	-0.846	34.917	28.080	-0.37
1430	-0.793	-0.854	34.917	28.080	-0.42
1440	-0.800	-0.861	34.916	28.080	-0.49
1450	-0.809	-0.871	34.917	28.081	-0.59
1460	-0.820	-0.882	34.916	28.081	-0.68
1470	-0.825	-0.888	34.916	28.081	-0.73
1480	-0.841	-0.904	34.916	28.081	-0.86
1490	-0.846	-0.910	34.916	28.082	-0.92
1500	-0.854	-0.918	34.916	28.082	-0.99
1510	-0.856	-0.920	34.917	28.083	-1.09
1520	-0.865	-0.930	34.916	28.083	-1.15
1530	-0.870	-0.935	34.916	28.083	-1.22
1540	-0.877	-0.943	34.916	28.083	-1.27
1550	-0.895	-0.961	34.916	28.084	-1.47

B91.574					
depth	temp	theta	salnty	sig_th	delta
1560	-0.917	-0.984	34.914	28.083	-1.53
1570	-0.925	-0.992	34.915	28.084	-1.64
1580	-0.944	-1.012	34.913	28.084	-1.73
1590	-0.961	-1.029	34.913	28.084	-1.86
1600	-0.982	-1.050	34.912	28.084	-1.99
1610	-0.998	-1.066	34.911	28.084	-2.07
1620	-1.009	-1.078	34.910	28.084	-2.14
1630	-1.045	-1.114	34.909	28.084	-2.34

B91.575					
depth	temp	theta	salnty	sig_th	delta
5	1.514	1.514	30.718	24.574	335.31
10	2.701	2.700	31.332	24.982	296.46
15	2.671	2.670	31.642	25.232	272.73
20	2.240	2.239	31.959	25.519	245.44
25	0.761	0.760	33.930	27.200	85.83
30	0.886	0.885	34.356	27.535	54.12
35	0.969	0.968	34.507	27.651	43.13
40	1.325	1.323	34.599	27.701	38.51
45	1.585	1.583	34.679	27.746	34.27
50	1.724	1.721	34.732	27.779	31.20
55	1.355	1.352	34.748	27.819	27.42
60	2.041	2.038	34.839	27.839	25.59
65	2.011	2.008	34.845	27.847	24.91
70	2.233	2.229	34.877	27.854	24.26
75	2.403	2.398	34.915	27.871	22.77
80	2.378	2.374	34.930	27.885	21.48
85	2.417	2.412	34.943	27.892	20.85
90	2.407	2.402	34.949	27.898	20.30
95	2.419	2.414	34.962	27.907	19.46
100	2.435	2.430	34.971	27.913	18.99
110	2.451	2.445	34.979	27.918	18.54
120	2.382	2.375	34.981	27.925	17.91
130	2.299	2.292	34.978	27.931	17.45
140	2.175	2.168	34.975	27.938	16.78
150	2.185	2.177	34.976	27.938	16.78
160	2.067	2.059	34.972	27.944	16.23
170	1.996	1.987	34.970	27.949	15.82
180	1.906	1.897	34.965	27.952	15.56
190	1.857	1.847	34.964	27.955	15.28
200	1.736	1.725	34.958	27.960	14.81
210	1.568	1.557	34.948	27.965	14.33
220	1.389	1.378	34.938	27.969	13.84
230	1.266	1.255	34.929	27.971	13.63
240	1.175	1.163	34.924	27.974	13.34
250	1.075	1.063	34.920	27.977	13.02
260	1.000	0.987	34.916	27.979	12.76
270	0.948	0.935	34.917	27.983	12.40
280	0.859	0.846	34.913	27.986	12.08
290	0.802	0.789	34.911	27.988	11.86
300	0.748	0.735	34.911	27.991	11.53
310	0.657	0.643	34.909	27.995	11.08
320	0.627	0.613	34.909	27.998	10.86
330	0.603	0.589	34.907	27.997	10.89
340	0.557	0.542	34.908	28.001	10.54
350	0.514	0.498	34.907	28.003	10.33
360	0.485	0.470	34.905	28.003	10.26
370	0.461	0.445	34.906	28.005	10.07
380	0.426	0.409	34.904	28.006	9.97
390	0.401	0.384	34.905	28.008	9.79
400	0.352	0.335	34.902	28.008	9.68
410	0.408	0.390	34.908	28.010	9.63
420	0.410	0.392	34.909	28.011	9.51
430	0.382	0.363	34.909	28.012	9.40
440	0.332	0.313	34.907	28.013	9.22
450	0.314	0.295	34.906	28.014	9.17

B91.575					
depth	temp	theta	salnty	sig_th	delta
460	0.293	0.274	34.905	28.015	9.09
470	0.260	0.240	34.904	28.016	8.94
480	0.225	0.205	34.903	28.017	8.82
490	0.196	0.175	34.902	28.017	8.71
500	0.150	0.129	34.900	28.018	8.57
510	0.104	0.082	34.898	28.019	8.41
520	0.077	0.056	34.897	28.020	8.30
530	0.042	0.020	34.896	28.021	8.17
540	0.023	0.001	34.895	28.022	8.08
550	-0.006	-0.029	34.895	28.023	7.92
560	-0.033	-0.056	34.894	28.024	7.80
570	-0.080	-0.104	34.892	28.025	7.64
580	-0.129	-0.152	34.890	28.026	7.46
590	-0.168	-0.192	34.888	28.026	7.33
600	-0.180	-0.204	34.892	28.030	6.96
610	-0.202	-0.226	34.888	28.028	7.12
620	-0.206	-0.231	34.889	28.028	7.05
630	-0.218	-0.243	34.890	28.030	6.84
640	-0.230	-0.256	34.889	28.030	6.82
650	-0.239	-0.266	34.891	28.032	6.66
660	-0.259	-0.285	34.892	28.034	6.39
670	-0.279	-0.305	34.893	28.036	6.20
680	-0.291	-0.318	34.893	28.036	6.11
690	-0.308	-0.336	34.895	28.039	5.85
700	-0.321	-0.349	34.893	28.038	5.86
710	-0.320	-0.348	34.895	28.039	5.77
720	-0.332	-0.360	34.896	28.041	5.56
730	-0.348	-0.377	34.897	28.043	5.38
740	-0.359	-0.388	34.898	28.043	5.27
750	-0.369	-0.399	34.899	28.045	5.11
760	-0.383	-0.413	34.900	28.046	4.92
770	-0.409	-0.440	34.898	28.046	4.87
780	-0.421	-0.452	34.899	28.048	4.68
790	-0.430	-0.462	34.899	28.049	4.59
800	-0.435	-0.467	34.900	28.049	4.52
810	-0.443	-0.475	34.901	28.050	4.39
820	-0.454	-0.487	34.901	28.051	4.30
830	-0.467	-0.500	34.901	28.052	4.17
840	-0.474	-0.507	34.902	28.053	4.02
850	-0.484	-0.518	34.902	28.053	3.93
860	-0.488	-0.523	34.903	28.054	3.87
870	-0.497	-0.532	34.903	28.055	3.77
880	-0.509	-0.544	34.903	28.056	3.63
890	-0.523	-0.558	34.904	28.057	3.47
900	-0.528	-0.564	34.904	28.057	3.42
910	-0.533	-0.569	34.905	28.058	3.32
920	-0.542	-0.579	34.906	28.059	3.20
930	-0.555	-0.592	34.906	28.060	3.06
940	-0.565	-0.603	34.905	28.060	3.02
950	-0.569	-0.607	34.905	28.060	2.98
960	-0.577	-0.615	34.906	28.061	2.87
970	-0.578	-0.617	34.907	28.062	2.74
980	-0.579	-0.618	34.907	28.062	2.69
990	-0.586	-0.626	34.908	28.063	2.58
1000	-0.599	-0.639	34.908	28.064	2.47

B91.575					
depth	temp	theta	salnty	sig_th	delta
1010	-0.604	-0.645	34.907	28.063	2.47
1020	-0.604	-0.645	34.909	28.064	2.37
1030	-0.604	-0.646	34.909	28.065	2.32
1040	-0.605	-0.647	34.910	28.065	2.26
1050	-0.608	-0.651	34.910	28.066	2.19
1060	-0.604	-0.647	34.911	28.067	2.11
1070	-0.610	-0.653	34.913	28.068	1.91
1080	-0.643	-0.687	34.910	28.068	1.85
1090	-0.639	-0.684	34.911	28.068	1.80
1100	-0.634	-0.679	34.912	28.069	1.74
1110	-0.625	-0.670	34.915	28.070	1.61
1120	-0.645	-0.691	34.914	28.071	1.49
1130	-0.649	-0.695	34.914	28.071	1.43
1140	-0.652	-0.699	34.915	28.072	1.37
1150	-0.652	-0.700	34.915	28.072	1.29
1160	-0.658	-0.705	34.916	28.073	1.19
1170	-0.664	-0.712	34.916	28.074	1.09
1180	-0.666	-0.715	34.917	28.074	1.03
1190	-0.668	-0.718	34.917	28.074	0.97
1200	-0.671	-0.721	34.917	28.075	0.91
1210	-0.676	-0.726	34.918	28.075	0.83
1220	-0.685	-0.736	34.918	28.076	0.71
1230	-0.696	-0.747	34.918	28.076	0.62
1240	-0.701	-0.753	34.918	28.077	0.55
1250	-0.708	-0.760	34.918	28.077	0.47
1260	-0.716	-0.769	34.918	28.077	0.41
1270	-0.721	-0.774	34.917	28.077	0.40
1280	-0.726	-0.779	34.918	28.078	0.29
1290	-0.731	-0.785	34.918	28.078	0.25
1300	-0.741	-0.795	34.918	28.079	0.14
1310	-0.748	-0.803	34.917	28.078	0.11
1320	-0.756	-0.811	34.918	28.079	0.02
1330	-0.763	-0.819	34.917	28.079	-0.04
1340	-0.766	-0.822	34.917	28.079	-0.05
1350	-0.776	-0.833	34.917	28.080	-0.18
1360	-0.786	-0.843	34.917	28.080	-0.25
1370	-0.789	-0.847	34.917	28.080	-0.27
1380	-0.797	-0.855	34.917	28.080	-0.34
1390	-0.802	-0.861	34.916	28.080	-0.39
1400	-0.817	-0.876	34.916	28.080	-0.47
1410	-0.823	-0.882	34.915	28.080	-0.50
1420	-0.828	-0.888	34.915	28.080	-0.58
1430	-0.832	-0.893	34.915	28.080	-0.62
1440	-0.835	-0.896	34.915	28.081	-0.67
1450	-0.840	-0.901	34.915	28.081	-0.73
1460	-0.846	-0.908	34.915	28.081	-0.79
1470	-0.854	-0.917	34.915	28.081	-0.88
1480	-0.857	-0.920	34.915	28.081	-0.91
1490	-0.861	-0.924	34.915	28.081	-0.95
1500	-0.862	-0.926	34.915	28.082	-1.02
1510	-0.863	-0.927	34.916	28.082	-1.08
1520	-0.862	-0.927	34.916	28.083	-1.16
1530	-0.866	-0.932	34.916	28.083	-1.21
1540	-0.872	-0.938	34.916	28.083	-1.28
1550	-0.876	-0.942	34.916	28.083	-1.31

B91.575					
depth	temp	theta	salnty	sig_th	delta
1560	-0.879	-0.946	34.916	28.084	-1.40
1570	-0.898	-0.965	34.916	28.084	-1.56
1580	-0.916	-0.984	34.915	28.084	-1.65
1590	-0.924	-0.992	34.915	28.084	-1.73
1600	-0.932	-1.000	34.915	28.085	-1.82
1610	-0.938	-1.007	34.915	28.085	-1.87
1620	-0.942	-1.012	34.914	28.084	-1.87
1630	-0.953	-1.023	34.914	28.085	-1.97
1640	-0.971	-1.041	34.913	28.084	-2.05
1650	-0.985	-1.056	34.912	28.084	-2.13
1660	-1.000	-1.072	34.911	28.084	-2.25
1670	-1.018	-1.090	34.910	28.084	-2.30
1680	-1.032	-1.104	34.909	28.084	-2.41
1690	-1.040	-1.113	34.909	28.084	-2.50
1700	-1.044	-1.117	34.908	28.084	-2.50
1710	-1.044	-1.117	34.908	28.084	-2.50
1720	-1.043	-1.117	34.908	28.083	-2.51

B91.576					
depth	temp	theta	salnty	sig_th	delta
5	2.873	2.873	31.719	25.278	268.37
10	2.870	2.869	31.720	25.278	268.33
15	2.932	2.931	31.768	25.312	265.15
20	3.014	3.013	31.905	25.414	255.44
25	1.411	1.409	33.040	26.443	157.65
30	0.072	0.071	34.052	27.337	72.78
35	0.055	0.054	34.189	27.449	62.21
40	0.146	0.145	34.415	27.626	45.45
45	0.633	0.631	34.600	27.748	34.00
50	0.752	0.750	34.642	27.773	31.59
55	1.075	1.073	34.729	27.822	27.01
60	1.242	1.240	34.782	27.854	24.05
65	1.473	1.470	34.837	27.882	21.52
70	1.576	1.573	34.864	27.895	20.25
75	1.679	1.675	34.885	27.905	19.40
80	1.805	1.801	34.912	27.917	18.33
85	1.869	1.864	34.930	27.927	17.44
90	1.903	1.899	34.942	27.934	16.80
95	1.907	1.902	34.949	27.939	16.36
100	1.903	1.897	34.950	27.940	16.26
110	1.875	1.869	34.956	27.947	15.69
120	1.842	1.836	34.956	27.950	15.44
130	1.693	1.686	34.952	27.957	14.69
140	1.575	1.568	34.946	27.962	14.31
150	1.383	1.376	34.934	27.967	13.80
160	1.271	1.263	34.930	27.971	13.39
170	1.208	1.199	34.924	27.971	13.41
180	1.188	1.180	34.923	27.972	13.35
190	1.090	1.081	34.920	27.976	12.95
200	1.052	1.043	34.917	27.976	12.90
210	1.013	1.003	34.922	27.983	12.30
220	0.987	0.977	34.915	27.979	12.65
230	0.936	0.925	34.914	27.981	12.43
240	0.786	0.775	34.909	27.988	11.77
250	0.763	0.751	34.908	27.988	11.76
260	0.651	0.640	34.907	27.994	11.09
270	0.603	0.592	34.905	27.996	10.92
280	0.590	0.578	34.905	27.996	10.89
290	0.560	0.548	34.905	27.998	10.70
300	0.544	0.531	34.904	27.999	10.64
310	0.500	0.487	34.906	28.002	10.28
320	0.444	0.431	34.905	28.005	9.96
330	0.397	0.383	34.902	28.005	9.94
340	0.376	0.361	34.904	28.009	9.62
350	0.358	0.343	34.905	28.010	9.45
360	0.323	0.308	34.902	28.010	9.44
370	0.313	0.297	34.902	28.011	9.41
380	0.304	0.288	34.902	28.011	9.35
390	0.276	0.260	34.904	28.014	9.05
400	0.270	0.253	34.901	28.013	9.18
410	0.239	0.222	34.901	28.014	9.00
420	0.213	0.195	34.900	28.015	8.91
430	0.191	0.173	34.901	28.017	8.72
440	0.139	0.121	34.897	28.017	8.66
450	0.118	0.100	34.897	28.017	8.59

B91.576					
depth	temp	theta	salnty	sig_th	delta
460	0.082	0.063	34.896	28.019	8.40
470	0.059	0.040	34.904	28.027	7.65
480	0.046	0.026	34.894	28.019	8.34
490	0.018	-0.002	34.893	28.020	8.20
500	-0.046	-0.066	34.892	28.023	7.87
510	-0.069	-0.090	34.891	28.023	7.77
520	-0.094	-0.115	34.888	28.022	7.89
530	-0.136	-0.157	34.889	28.025	7.50
540	-0.150	-0.171	34.889	28.026	7.41
550	-0.171	-0.192	34.889	28.027	7.32
560	-0.204	-0.227	34.884	28.025	7.42
570	-0.246	-0.268	34.887	28.029	6.95
580	-0.256	-0.279	34.883	28.026	7.18
590	-0.287	-0.310	34.888	28.032	6.60
600	-0.303	-0.327	34.887	28.032	6.53
610	-0.317	-0.341	34.889	28.034	6.34
620	-0.337	-0.361	34.891	28.037	6.04
630	-0.337	-0.361	34.892	28.037	5.97
640	-0.372	-0.397	34.895	28.042	5.49
650	-0.388	-0.413	34.894	28.041	5.48
660	-0.395	-0.421	34.895	28.043	5.31
670	-0.407	-0.433	34.897	28.045	5.06
680	-0.426	-0.452	34.897	28.046	4.96
690	-0.426	-0.452	34.895	28.044	5.10
700	-0.441	-0.468	34.897	28.047	4.79
710	-0.469	-0.496	34.899	28.050	4.50
720	-0.494	-0.522	34.900	28.052	4.25
730	-0.504	-0.532	34.900	28.052	4.16
740	-0.506	-0.535	34.900	28.053	4.09
750	-0.512	-0.541	34.904	28.056	3.79
760	-0.515	-0.544	34.901	28.053	3.99
770	-0.524	-0.554	34.902	28.055	3.83
780	-0.528	-0.559	34.902	28.055	3.76
790	-0.528	-0.559	34.905	28.057	3.53
800	-0.535	-0.566	34.904	28.057	3.57
810	-0.539	-0.571	34.900	28.054	3.83
820	-0.550	-0.582	34.905	28.058	3.36
830	-0.556	-0.588	34.905	28.059	3.26
840	-0.568	-0.601	34.905	28.060	3.16
850	-0.572	-0.606	34.905	28.060	3.13
860	-0.576	-0.610	34.905	28.060	3.09
870	-0.579	-0.613	34.906	28.060	3.02
880	-0.583	-0.618	34.906	28.061	2.92
890	-0.585	-0.620	34.906	28.061	2.88
900	-0.593	-0.629	34.907	28.063	2.73
910	-0.599	-0.635	34.908	28.063	2.65
920	-0.605	-0.641	34.909	28.064	2.52
930	-0.614	-0.651	34.910	28.066	2.35
940	-0.624	-0.661	34.911	28.067	2.19
950	-0.629	-0.667	34.911	28.067	2.15
960	-0.635	-0.673	34.912	28.068	2.04
970	-0.637	-0.676	34.911	28.068	2.02
980	-0.643	-0.682	34.911	28.068	1.95
990	-0.651	-0.691	34.912	28.069	1.82
1000	-0.661	-0.701	34.913	28.070	1.69

B91.576					
depth	temp	theta	salnty	sig_th	delta
1010	-0.670	-0.710	34.913	28.071	1.61
1020	-0.673	-0.714	34.917	28.075	1.22
1030	-0.675	-0.716	34.913	28.071	1.49
1040	-0.678	-0.719	34.914	28.072	1.41
1050	-0.683	-0.725	34.914	28.072	1.35
1060	-0.684	-0.726	34.914	28.073	1.31
1070	-0.690	-0.733	34.914	28.072	1.28
1080	-0.704	-0.747	34.914	28.074	1.12
1090	-0.708	-0.752	34.915	28.074	1.03
1100	-0.710	-0.755	34.914	28.074	1.04
1110	-0.722	-0.767	34.917	28.076	0.77
1120	-0.742	-0.787	34.914	28.075	0.78
1130	-0.750	-0.795	34.914	28.076	0.70
1140	-0.748	-0.794	34.915	28.076	0.67
1150	-0.760	-0.806	34.915	28.076	0.56
1160	-0.781	-0.827	34.915	28.077	0.37
1170	-0.788	-0.836	34.915	28.078	0.26
1180	-0.794	-0.842	34.915	28.078	0.19
1190	-0.799	-0.847	34.915	28.079	0.15
1200	-0.806	-0.855	34.916	28.079	0.05
1210	-0.807	-0.856	34.915	28.078	0.09

B91.577					
depth	temp	theta	salnty	sig_th	delta
5	2.360	2.360	31.637	25.252	270.80
10	2.362	2.361	31.659	25.269	269.17
15	2.608	2.607	31.857	25.409	255.89
20	1.190	1.189	33.109	26.513	151.00
25	-0.073	-0.074	33.858	27.188	86.95
30	-0.420	-0.421	34.190	27.472	59.94
35	-0.484	-0.486	34.292	27.558	51.79
40	-0.080	-0.082	34.394	27.622	45.85
45	0.142	0.140	34.477	27.677	40.66
50	0.488	0.486	34.607	27.762	32.65
55	0.709	0.706	34.655	27.787	30.29
60	0.981	0.978	34.713	27.816	27.59
65	1.423	1.420	34.784	27.843	25.16
70	1.632	1.628	34.831	27.865	23.14
75	1.743	1.739	34.854	27.875	22.24
80	1.985	1.980	34.897	27.891	20.79
85	2.034	2.029	34.908	27.895	20.42
90	2.025	2.020	34.911	27.899	20.15
95	2.019	2.014	34.912	27.900	20.05
100	2.102	2.097	34.923	27.902	19.90
110	2.237	2.231	34.948	27.911	19.15
120	2.350	2.344	34.966	27.916	18.75
130	2.454	2.447	34.985	27.923	18.24
140	2.484	2.476	34.996	27.929	17.76
150	2.483	2.475	35.000	27.932	17.48
160	2.442	2.432	35.001	27.936	17.15
170	2.414	2.404	35.001	27.939	16.93
180	2.269	2.259	34.991	27.944	16.51
190	2.231	2.220	34.990	27.946	16.37
200	2.124	2.113	34.982	27.948	16.12
210	2.085	2.073	34.980	27.949	16.05
220	2.031	2.019	34.977	27.952	15.87
230	1.915	1.903	34.970	27.956	15.47
240	1.742	1.730	34.961	27.961	14.86
250	1.657	1.643	34.953	27.962	14.81
260	1.537	1.524	34.945	27.965	14.51
270	1.450	1.436	34.940	27.967	14.30
280	1.372	1.358	34.935	27.968	14.11
290	1.242	1.228	34.928	27.972	13.71
300	1.089	1.074	34.921	27.977	13.11
310	1.050	1.035	34.917	27.977	13.17
320	1.026	1.011	34.916	27.977	13.16
330	0.904	0.888	34.911	27.982	12.63
340	0.859	0.843	34.910	27.983	12.47
350	0.840	0.824	34.909	27.984	12.40
360	0.812	0.795	34.908	27.985	12.27
370	0.784	0.767	34.907	27.986	12.20
380	0.771	0.753	34.907	27.987	12.10
390	0.749	0.731	34.907	27.988	11.98
400	0.747	0.729	34.907	27.988	11.99
410	0.721	0.702	34.906	27.990	11.86
420	0.705	0.686	34.907	27.991	11.76
430	0.673	0.653	34.907	27.993	11.52
440	0.618	0.598	34.909	27.998	10.99
450	0.513	0.493	34.906	28.002	10.54

B91.577					
depth	temp	theta	salnty	sig_th	delta
460	0.463	0.442	34.904	28.004	10.31
470	0.439	0.418	34.903	28.005	10.21
480	0.428	0.406	34.903	28.005	10.17
490	0.424	0.403	34.903	28.005	10.19
500	0.413	0.391	34.902	28.005	10.14
510	0.399	0.377	34.902	28.006	10.09
520	0.372	0.350	34.901	28.006	10.01
530	0.370	0.347	34.901	28.007	10.00
540	0.331	0.308	34.899	28.008	9.83
550	0.294	0.270	34.899	28.010	9.58
560	0.274	0.249	34.904	28.015	9.07
570	0.290	0.265	34.898	28.010	9.64
580	0.294	0.268	34.899	28.010	9.63
590	0.292	0.266	34.899	28.010	9.64
600	0.287	0.261	34.899	28.010	9.59
610	0.285	0.258	34.898	28.010	9.64
620	0.282	0.255	34.899	28.010	9.60
630	0.256	0.229	34.898	28.012	9.45
640	0.254	0.226	34.898	28.012	9.43
650	0.231	0.203	34.900	28.014	9.15

B91.578					
depth	temp	theta	salnty	sig_th	delta
5	3.276	3.276	32.227	25.648	233.13
10	3.293	3.293	32.238	25.655	232.49
15	3.355	3.354	32.270	25.676	230.57
20	3.097	3.095	32.376	25.783	220.40
25	1.147	1.146	33.383	26.736	129.85
30	0.472	0.471	33.793	27.107	94.63
35	-0.043	-0.045	34.210	27.470	60.16
40	-0.003	-0.004	34.357	27.587	49.09
45	0.466	0.464	34.542	27.710	37.51
50	0.639	0.637	34.657	27.793	29.74
55	0.793	0.791	34.720	27.834	25.89
60	1.024	1.021	34.790	27.875	22.01
65	1.683	1.679	34.874	27.896	20.19
70	1.908	1.904	34.918	27.914	18.58
75	2.073	2.069	34.954	27.929	17.21
80	1.950	1.946	34.957	27.942	15.99
85	1.821	1.816	34.955	27.950	15.20
90	1.746	1.742	34.952	27.953	14.92
95	1.585	1.580	34.943	27.959	14.36
100	1.534	1.529	34.942	27.962	14.11
110	1.241	1.236	34.927	27.971	13.22
120	0.901	0.896	34.908	27.978	12.43
130	0.790	0.784	34.903	27.982	12.06
140	0.720	0.714	34.899	27.983	11.93
150	0.670	0.663	34.898	27.985	11.74
160	0.617	0.610	34.899	27.989	11.36
170	0.565	0.558	34.897	27.991	11.18
180	0.500	0.492	34.896	27.994	10.87
190	0.497	0.489	34.897	27.996	10.75
200	0.458	0.450	34.897	27.998	10.51
210	0.406	0.397	34.895	28.000	10.35
220	0.388	0.379	34.897	28.002	10.15
230	0.399	0.389	34.899	28.003	10.02
240	0.337	0.327	34.898	28.005	9.78
250	0.274	0.264	34.895	28.007	9.57
260	0.248	0.237	34.895	28.008	9.48
270	0.212	0.201	34.894	28.010	9.32
280	0.165	0.154	34.892	28.011	9.18
290	0.108	0.097	34.890	28.012	9.02
300	0.066	0.054	34.888	28.013	8.87
310	0.025	0.013	34.886	28.013	8.84
320	0.022	0.010	34.886	28.014	8.75
330	-0.009	-0.022	34.886	28.016	8.58
340	-0.030	-0.043	34.886	28.017	8.45
350	-0.144	-0.158	34.881	28.018	8.18
360	-0.193	-0.206	34.878	28.018	8.15
370	-0.123	-0.137	34.883	28.019	8.11
380	-0.158	-0.172	34.884	28.021	7.88
390	-0.191	-0.206	34.884	28.023	7.65
400	-0.206	-0.221	34.883	28.024	7.60
410	-0.230	-0.246	34.883	28.024	7.51
420	-0.220	-0.236	34.885	28.026	7.40
430	-0.233	-0.250	34.885	28.027	7.27
440	-0.266	-0.283	34.885	28.028	7.13
450	-0.288	-0.305	34.885	28.029	6.93

B91.578					
depth	temp	theta	salnty	sig_th	delta
460	-0.330	-0.348	34.885	28.031	6.68
470	-0.330	-0.347	34.887	28.033	6.55
480	-0.329	-0.347	34.888	28.034	6.43
490	-0.325	-0.344	34.890	28.035	6.33
500	-0.322	-0.341	34.892	28.037	6.17
510	-0.395	-0.414	34.889	28.038	5.94
520	-0.434	-0.453	34.887	28.038	5.86
530	-0.442	-0.462	34.888	28.039	5.74
540	-0.423	-0.444	34.890	28.040	5.69
550	-0.408	-0.429	34.892	28.041	5.61
560	-0.409	-0.430	34.894	28.043	5.43
570	-0.410	-0.432	34.894	28.043	5.39
580	-0.436	-0.458	34.896	28.045	5.09
590	-0.434	-0.457	34.897	28.046	5.03
600	-0.440	-0.463	34.897	28.047	4.92
610	-0.452	-0.475	34.898	28.048	4.81
620	-0.450	-0.474	34.899	28.048	4.74
630	-0.463	-0.487	34.899	28.049	4.62
640	-0.464	-0.489	34.899	28.050	4.57
650	-0.486	-0.511	34.900	28.051	4.41
660	-0.498	-0.523	34.900	28.052	4.29
670	-0.543	-0.568	34.898	28.052	4.17
680	-0.534	-0.560	34.898	28.052	4.15
690	-0.515	-0.542	34.901	28.054	4.06
700	-0.570	-0.597	34.900	28.055	3.81
710	-0.548	-0.575	34.901	28.055	3.86
720	-0.562	-0.589	34.901	28.056	3.69
730	-0.552	-0.580	34.902	28.056	3.69
740	-0.557	-0.586	34.904	28.058	3.46
750	-0.567	-0.596	34.904	28.058	3.41
760	-0.550	-0.579	34.905	28.059	3.39
770	-0.554	-0.584	34.905	28.059	3.35
780	-0.572	-0.602	34.906	28.060	3.19
790	-0.572	-0.603	34.907	28.061	3.10
800	-0.586	-0.617	34.906	28.061	3.03
810	-0.630	-0.661	34.904	28.061	2.92
820	-0.607	-0.639	34.906	28.062	2.87
830	-0.603	-0.636	34.908	28.063	2.76
840	-0.599	-0.632	34.909	28.064	2.66
850	-0.601	-0.634	34.910	28.065	2.60
860	-0.608	-0.641	34.911	28.066	2.46
870	-0.614	-0.648	34.911	28.066	2.40
880	-0.615	-0.650	34.911	28.067	2.34
890	-0.623	-0.658	34.911	28.067	2.26
900	-0.682	-0.717	34.908	28.067	2.13
910	-0.695	-0.730	34.907	28.067	2.04
920	-0.717	-0.752	34.905	28.066	2.03
930	-0.711	-0.747	34.906	28.067	2.02
940	-0.696	-0.732	34.908	28.068	1.92
950	-0.688	-0.725	34.909	28.068	1.89
960	-0.700	-0.737	34.909	28.069	1.80
970	-0.708	-0.746	34.909	28.069	1.74
980	-0.667	-0.705	34.913	28.071	1.65
990	-0.702	-0.741	34.912	28.071	1.52
1000	-0.697	-0.737	34.912	28.071	1.50

B91.578					
depth	temp	theta	salnty	sig_th	delta
1010	-0.698	-0.738	34.913	28.072	1.40
1020	-0.692	-0.733	34.914	28.073	1.33
1030	-0.704	-0.745	34.913	28.073	1.29
1040	-0.714	-0.756	34.913	28.073	1.24
1050	-0.701	-0.743	34.915	28.074	1.17
1060	-0.699	-0.741	34.915	28.074	1.13
1070	-0.709	-0.752	34.916	28.075	0.99
1080	-0.718	-0.761	34.916	28.075	0.94
1090	-0.720	-0.764	34.915	28.075	0.91
1100	-0.723	-0.767	34.916	28.075	0.85
1110	-0.730	-0.775	34.916	28.076	0.78
1120	-0.763	-0.808	34.914	28.076	0.67
1130	-0.756	-0.802	34.914	28.076	0.65
1140	-0.762	-0.808	34.914	28.076	0.60
1150	-0.772	-0.818	34.914	28.076	0.55
1160	-0.764	-0.811	34.915	28.077	0.49
1170	-0.766	-0.814	34.917	28.079	0.30
1180	-0.769	-0.816	34.916	28.078	0.35
1190	-0.771	-0.820	34.916	28.078	0.30
1200	-0.776	-0.825	34.916	28.078	0.26
1210	-0.780	-0.829	34.915	28.078	0.24
1220	-0.785	-0.835	34.915	28.078	0.18
1230	-0.793	-0.844	34.915	28.079	0.08
1240	-0.794	-0.845	34.916	28.079	0.04
1250	-0.797	-0.848	34.916	28.079	0.01
1260	-0.807	-0.859	34.916	28.079	-0.09
1270	-0.812	-0.864	34.915	28.079	-0.11
1280	-0.816	-0.868	34.915	28.079	-0.14
1290	-0.822	-0.875	34.915	28.079	-0.20
1300	-0.826	-0.879	34.915	28.079	-0.25
1310	-0.828	-0.882	34.915	28.080	-0.30
1320	-0.833	-0.888	34.915	28.080	-0.37
1330	-0.838	-0.893	34.915	28.080	-0.43
1340	-0.845	-0.900	34.915	28.081	-0.52
1350	-0.848	-0.904	34.915	28.080	-0.54
1360	-0.851	-0.908	34.915	28.081	-0.58
1370	-0.852	-0.909	34.915	28.081	-0.61
1380	-0.858	-0.915	34.915	28.081	-0.67
1390	-0.860	-0.918	34.915	28.081	-0.70
1400	-0.864	-0.922	34.914	28.081	-0.75
1410	-0.871	-0.930	34.914	28.081	-0.81
1420	-0.873	-0.932	34.914	28.081	-0.86
1430	-0.874	-0.934	34.914	28.081	-0.88
1440	-0.876	-0.937	34.915	28.082	-0.95
1450	-0.879	-0.940	34.915	28.082	-1.00
1460	-0.884	-0.946	34.915	28.082	-1.06
1470	-0.892	-0.953	34.914	28.082	-1.09
1480	-0.894	-0.957	34.914	28.082	-1.14
1490	-0.898	-0.961	34.914	28.082	-1.19
1500	-0.898	-0.962	34.914	28.083	-1.25
1510	-0.898	-0.962	34.914	28.082	-1.26
1520	-0.902	-0.967	34.914	28.083	-1.32
1530	-0.903	-0.968	34.914	28.083	-1.34
1540	-0.911	-0.977	34.914	28.083	-1.44
1550	-0.917	-0.983	34.914	28.083	-1.51

B91.578					
depth	temp	theta	salnty	sig_th	delta
1560	-0.917	-0.983	34.914	28.083	-1.52
1570	-0.917	-0.984	34.914	28.083	-1.54
1580	-0.924	-0.992	34.914	28.083	-1.61
1590	-0.930	-0.998	34.914	28.084	-1.70
1600	-0.932	-1.001	34.914	28.083	-1.70
1610	-0.934	-1.003	34.914	28.084	-1.75
1620	-0.934	-1.004	34.914	28.084	-1.76
1630	-0.936	-1.006	34.914	28.084	-1.82
1640	-0.937	-1.008	34.914	28.084	-1.84
1650	-0.941	-1.013	34.914	28.084	-1.92
1660	-0.945	-1.017	34.914	28.084	-1.96
1670	-0.951	-1.023	34.914	28.084	-2.03
1680	-0.955	-1.028	34.914	28.085	-2.09
1690	-0.956	-1.030	34.914	28.085	-2.13
1700	-0.958	-1.032	34.913	28.085	-2.15
1710	-0.957	-1.032	34.914	28.085	-2.19
1720	-0.958	-1.033	34.913	28.085	-2.20
1730	-0.958	-1.034	34.913	28.085	-2.23
1740	-0.961	-1.037	34.913	28.085	-2.28
1750	-0.954	-1.031	34.913	28.085	-2.24
1760	-0.955	-1.033	34.913	28.085	-2.28
1770	-0.958	-1.036	34.914	28.085	-2.34
1780	-0.960	-1.039	34.913	28.085	-2.36
1790	-0.965	-1.044	34.913	28.085	-2.44
1800	-0.968	-1.048	34.913	28.085	-2.49
1810	-0.972	-1.052	34.913	28.085	-2.51
1820	-0.974	-1.055	34.913	28.085	-2.55
1830	-0.976	-1.058	34.913	28.085	-2.58
1840	-0.974	-1.056	34.913	28.085	-2.61
1850	-0.979	-1.062	34.912	28.085	-2.65
1860	-0.983	-1.066	34.912	28.085	-2.69
1870	-0.988	-1.072	34.912	28.085	-2.73
1880	-0.987	-1.071	34.912	28.085	-2.74
1890	-0.987	-1.072	34.912	28.085	-2.77
1900	-0.985	-1.071	34.912	28.085	-2.80
1910	-0.984	-1.070	34.912	28.085	-2.84
1920	-0.987	-1.074	34.912	28.085	-2.88
1930	-0.988	-1.076	34.912	28.085	-2.89
1940	-0.994	-1.082	34.912	28.085	-2.94
1950	-0.997	-1.085	34.911	28.085	-2.98
1960	-1.000	-1.089	34.911	28.085	-3.03
1970	-1.006	-1.095	34.911	28.085	-3.06
1980	-1.010	-1.100	34.910	28.084	-3.06
1990	-1.013	-1.104	34.909	28.084	-3.08
2000	-1.019	-1.110	34.909	28.084	-3.13
2010	-1.023	-1.115	34.909	28.084	-3.19
2020	-1.026	-1.118	34.909	28.084	-3.22
2030	-1.030	-1.123	34.908	28.084	-3.24
2040	-1.038	-1.132	34.908	28.084	-3.31
2050	-1.041	-1.135	34.907	28.083	-3.32
2060	-1.049	-1.143	34.906	28.083	-3.37
2070	-1.051	-1.147	34.906	28.083	-3.41
2080	-1.056	-1.152	34.906	28.083	-3.44
2090	-1.058	-1.155	34.905	28.083	-3.46
2100	-1.060	-1.157	34.905	28.083	-3.50

B91.578					
depth	temp	theta	salnty	sig_th	delta
2110	-1.061	-1.158	34.905	28.083	-3.52
2120	-1.063	-1.162	34.905	28.083	-3.55
2130	-1.065	-1.164	34.905	28.083	-3.58
2140	-1.072	-1.171	34.904	28.082	-3.61
2150	-1.075	-1.175	34.903	28.082	-3.63

B91.579					
depth	temp	theta	salnty	sig_th	delta
5	2.883	2.883	31.872	25.398	256.89
10	2.891	2.890	31.871	25.397	257.03
15	2.889	2.889	31.870	25.397	257.08
20	0.412	0.411	33.785	27.103	94.97
25	-0.158	-0.159	34.048	27.346	71.99
30	-0.325	-0.326	34.285	27.545	53.05
35	0.002	0.000	34.431	27.647	43.48
40	0.355	0.353	34.541	27.716	36.95
45	0.546	0.544	34.609	27.760	32.84
50	0.694	0.692	34.651	27.784	30.54
55	0.955	0.953	34.717	27.821	27.09
60	1.317	1.314	34.800	27.863	23.20
65	1.510	1.507	34.848	27.888	20.91
70	1.711	1.708	34.882	27.900	19.83
75	1.769	1.765	34.904	27.913	18.64
80	1.780	1.775	34.913	27.920	18.06
85	1.794	1.790	34.921	27.925	17.61
90	1.802	1.797	34.925	27.928	17.34
95	1.813	1.808	34.932	27.932	16.97
100	1.838	1.833	34.937	27.934	16.78
110	1.832	1.826	34.944	27.941	16.23
120	1.782	1.776	34.946	27.946	15.77
130	1.753	1.746	34.947	27.949	15.52
140	1.707	1.700	34.948	27.953	15.14
150	1.627	1.619	34.946	27.958	14.71
160	1.564	1.556	34.944	27.961	14.40
170	1.462	1.454	34.939	27.965	14.06
180	1.354	1.345	34.933	27.968	13.80
190	1.237	1.228	34.926	27.971	13.49
200	1.085	1.075	34.917	27.974	13.14
210	0.993	0.983	34.912	27.976	12.93
220	0.908	0.898	34.908	27.979	12.65
230	0.860	0.849	34.907	27.980	12.47
240	0.809	0.799	34.905	27.983	12.24
250	0.734	0.723	34.904	27.987	11.84
260	0.688	0.676	34.902	27.988	11.68
270	0.658	0.646	34.903	27.991	11.46
280	0.620	0.608	34.903	27.993	11.22
290	0.590	0.577	34.903	27.995	11.06
300	0.563	0.550	34.903	27.997	10.85
310	0.544	0.531	34.903	27.998	10.75
320	0.513	0.499	34.904	28.000	10.50
330	0.458	0.443	34.901	28.001	10.41
340	0.455	0.440	34.902	28.002	10.28
350	0.457	0.442	34.905	28.005	10.07
360	0.397	0.382	34.902	28.006	9.92
370	0.359	0.344	34.901	28.007	9.79
380	0.348	0.332	34.901	28.008	9.71
390	0.318	0.302	34.901	28.009	9.52
400	0.309	0.292	34.901	28.010	9.43
410	0.308	0.291	34.901	28.010	9.45
420	0.289	0.271	34.901	28.012	9.33
430	0.240	0.222	34.899	28.013	9.17
440	0.190	0.171	34.897	28.013	9.05
450	0.135	0.116	34.893	28.014	8.97

B91.579					
depth	temp	theta	salnty	sig_th	delta
460	0.091	0.073	34.890	28.014	8.89
470	0.061	0.042	34.888	28.014	8.87
480	0.103	0.083	34.894	28.016	8.69
490	0.020	0.000	34.890	28.018	8.44
500	0.028	0.007	34.890	28.017	8.47
510	0.000	-0.021	34.890	28.018	8.35
520	-0.044	-0.065	34.888	28.019	8.21
530	-0.073	-0.095	34.886	28.020	8.13
540	-0.077	-0.098	34.888	28.021	7.96
550	-0.086	-0.108	34.889	28.023	7.81
560	-0.093	-0.116	34.890	28.024	7.71
570	-0.127	-0.149	34.889	28.025	7.55
580	-0.145	-0.168	34.889	28.026	7.41
590	-0.158	-0.182	34.890	28.027	7.24
600	-0.163	-0.187	34.891	28.029	7.12
610	-0.174	-0.198	34.891	28.029	7.07
620	-0.207	-0.232	34.891	28.030	6.90
630	-0.219	-0.245	34.891	28.031	6.80
640	-0.210	-0.236	34.893	28.032	6.69
650	-0.219	-0.245	34.894	28.034	6.52
660	-0.226	-0.253	34.895	28.035	6.40
670	-0.240	-0.267	34.896	28.036	6.22
680	-0.258	-0.285	34.895	28.036	6.18
690	-0.280	-0.307	34.894	28.037	6.09
700	-0.333	-0.360	34.892	28.038	5.87
710	-0.313	-0.341	34.895	28.039	5.80
720	-0.332	-0.360	34.896	28.041	5.58
730	-0.332	-0.361	34.896	28.041	5.54
740	-0.339	-0.369	34.897	28.042	5.42
750	-0.354	-0.384	34.898	28.044	5.22
760	-0.368	-0.399	34.899	28.045	5.07
770	-0.382	-0.413	34.899	28.046	4.95
780	-0.400	-0.431	34.900	28.047	4.78
790	-0.407	-0.439	34.899	28.047	4.74
800	-0.433	-0.465	34.900	28.049	4.53
810	-0.452	-0.484	34.900	28.050	4.36
820	-0.468	-0.500	34.901	28.051	4.20
830	-0.476	-0.510	34.901	28.052	4.10
840	-0.484	-0.517	34.901	28.053	4.01
850	-0.489	-0.523	34.902	28.053	3.93
860	-0.496	-0.530	34.903	28.054	3.82
870	-0.506	-0.541	34.903	28.055	3.72
880	-0.519	-0.554	34.903	28.056	3.60
890	-0.526	-0.562	34.903	28.056	3.54
900	-0.534	-0.570	34.903	28.056	3.50
910	-0.543	-0.580	34.903	28.057	3.37
920	-0.550	-0.587	34.904	28.058	3.28
930	-0.554	-0.591	34.904	28.058	3.23
940	-0.563	-0.601	34.904	28.059	3.10
950	-0.567	-0.606	34.904	28.059	3.05
960	-0.571	-0.610	34.905	28.060	2.95
970	-0.574	-0.613	34.906	28.061	2.88
980	-0.576	-0.616	34.905	28.060	2.88
990	-0.588	-0.628	34.906	28.061	2.75
1000	-0.598	-0.638	34.906	28.062	2.66

B91.579					
depth	temp	theta	salnty	sig_th	delta
1010	-0.602	-0.643	34.906	28.062	2.56
1020	-0.608	-0.649	34.907	28.063	2.49
1030	-0.607	-0.649	34.907	28.063	2.43
1040	-0.607	-0.650	34.908	28.064	2.37
1050	-0.609	-0.652	34.909	28.065	2.24
1060	-0.616	-0.659	34.910	28.066	2.13
1070	-0.623	-0.667	34.910	28.067	2.02
1080	-0.631	-0.675	34.911	28.068	1.87
1090	-0.634	-0.679	34.911	28.068	1.82
1100	-0.637	-0.682	34.912	28.069	1.76
1110	-0.644	-0.689	34.912	28.069	1.66
1120	-0.651	-0.697	34.913	28.070	1.56
1130	-0.653	-0.699	34.913	28.070	1.53
1140	-0.656	-0.703	34.912	28.070	1.49
1150	-0.660	-0.707	34.913	28.071	1.41
1160	-0.666	-0.714	34.914	28.071	1.30
1170	-0.672	-0.720	34.914	28.072	1.22
1180	-0.679	-0.728	34.914	28.072	1.13
1190	-0.684	-0.733	34.914	28.073	1.07
1200	-0.691	-0.740	34.915	28.073	0.97
1210	-0.694	-0.744	34.915	28.074	0.92
1220	-0.701	-0.751	34.915	28.074	0.85
1230	-0.706	-0.757	34.915	28.075	0.77
1240	-0.712	-0.763	34.915	28.075	0.70
1250	-0.714	-0.766	34.915	28.075	0.66
1260	-0.720	-0.772	34.915	28.075	0.60
1270	-0.724	-0.777	34.915	28.076	0.53
1280	-0.734	-0.788	34.915	28.076	0.43
1290	-0.737	-0.791	34.915	28.076	0.38
1300	-0.742	-0.796	34.916	28.077	0.30
1310	-0.747	-0.802	34.915	28.077	0.26
1320	-0.754	-0.810	34.916	28.078	0.14
1330	-0.762	-0.818	34.916	28.078	0.09
1340	-0.767	-0.823	34.916	28.078	0.04
1350	-0.772	-0.828	34.915	28.078	0.00
1360	-0.777	-0.834	34.916	28.078	-0.09
1370	-0.788	-0.845	34.916	28.079	-0.18
1380	-0.789	-0.848	34.915	28.079	-0.19
1390	-0.798	-0.857	34.915	28.079	-0.26
1400	-0.805	-0.864	34.915	28.079	-0.34
1410	-0.811	-0.871	34.915	28.079	-0.41
1420	-0.818	-0.878	34.915	28.079	-0.46
1430	-0.822	-0.883	34.915	28.080	-0.51
1440	-0.827	-0.888	34.915	28.080	-0.60
1450	-0.838	-0.899	34.915	28.080	-0.66
1460	-0.837	-0.899	34.915	28.080	-0.71
1470	-0.838	-0.901	34.916	28.081	-0.79
1480	-0.845	-0.908	34.915	28.081	-0.82
1490	-0.857	-0.920	34.915	28.081	-0.92
1500	-0.861	-0.925	34.915	28.082	-1.00
1510	-0.861	-0.926	34.914	28.081	-0.99
1520	-0.862	-0.927	34.915	28.082	-1.04
1530	-0.864	-0.929	34.915	28.082	-1.08
1540	-0.865	-0.931	34.915	28.082	-1.12
1550	-0.870	-0.937	34.915	28.082	-1.17

B91.579					
depth	temp	theta	salnty	sig_th	delta
1560	-0.871	-0.938	34.915	28.082	-1.18
1570	-0.871	-0.939	34.915	28.082	-1.24
1580	-0.873	-0.941	34.915	28.082	-1.25
1590	-0.879	-0.948	34.915	28.082	-1.33
1600	-0.883	-0.952	34.915	28.082	-1.37
1610	-0.886	-0.956	34.914	28.082	-1.41
1620	-0.889	-0.959	34.915	28.083	-1.47
1630	-0.892	-0.963	34.914	28.083	-1.51
1640	-0.894	-0.966	34.914	28.082	-1.52
1650	-0.902	-0.974	34.914	28.083	-1.65
1660	-0.902	-0.975	34.914	28.083	-1.62
1670	-0.903	-0.976	34.914	28.083	-1.67
1680	-0.905	-0.978	34.914	28.083	-1.69
1690	-0.909	-0.983	34.914	28.083	-1.75
1700	-0.912	-0.987	34.914	28.083	-1.82
1710	-0.913	-0.988	34.914	28.083	-1.82
1720	-0.915	-0.991	34.914	28.083	-1.87
1730	-0.918	-0.995	34.914	28.083	-1.92
1740	-0.920	-0.997	34.914	28.084	-1.98
1750	-0.919	-0.997	34.914	28.084	-2.03
1760	-0.924	-1.002	34.914	28.084	-2.06
1770	-0.926	-1.005	34.914	28.084	-2.13
1780	-0.929	-1.008	34.914	28.084	-2.14
1790	-0.933	-1.012	34.914	28.085	-2.22
1800	-0.937	-1.018	34.914	28.084	-2.27
1810	-0.942	-1.023	34.913	28.084	-2.28
1820	-0.943	-1.024	34.913	28.084	-2.31
1830	-0.945	-1.027	34.914	28.085	-2.39
1840	-0.949	-1.032	34.913	28.085	-2.42
1850	-0.954	-1.037	34.913	28.085	-2.47
1860	-0.956	-1.040	34.913	28.085	-2.52
1870	-0.957	-1.041	34.913	28.085	-2.56
1880	-0.959	-1.043	34.913	28.085	-2.60
1890	-0.959	-1.045	34.913	28.085	-2.63
1900	-0.961	-1.047	34.913	28.085	-2.66
1910	-0.961	-1.047	34.913	28.085	-2.69
1920	-0.965	-1.052	34.913	28.085	-2.73
1930	-0.970	-1.058	34.913	28.085	-2.79
1940	-0.974	-1.063	34.912	28.085	-2.83
1950	-0.977	-1.065	34.912	28.085	-2.86
1960	-0.979	-1.068	34.912	28.085	-2.90
1970	-0.984	-1.074	34.912	28.085	-2.94
1980	-0.986	-1.076	34.912	28.085	-2.97
1990	-0.990	-1.081	34.911	28.085	-3.00
2000	-0.996	-1.087	34.911	28.085	-3.07
2010	-0.998	-1.090	34.911	28.085	-3.09
2020	-0.998	-1.091	34.910	28.085	-3.10
2030	-1.011	-1.104	34.910	28.084	-3.18
2040	-1.014	-1.108	34.909	28.084	-3.22
2050	-1.014	-1.108	34.909	28.084	-3.21
2060	-1.019	-1.114	34.909	28.084	-3.26
2070	-1.020	-1.116	34.909	28.084	-3.29
2080	-1.022	-1.118	34.908	28.084	-3.32
2090	-1.024	-1.121	34.908	28.084	-3.35
2100	-1.025	-1.122	34.908	28.084	-3.38

B91.579					
depth	temp	theta	salnty	sig_th	delta
2110	-1.025	-1.123	34.908	28.084	-3.39

B91.580					
depth	temp	theta	salnty	sig_th	delta
5	3.749	3.749	32.871	26.118	188.53
10	3.813	3.812	32.999	26.213	179.49
15	3.430	3.429	33.185	26.397	162.05
20	3.951	3.949	33.391	26.512	151.24
25	3.821	3.819	33.493	26.606	142.36
30	0.663	0.662	33.977	27.244	81.69
35	-0.215	-0.216	34.244	27.507	56.67
40	-0.198	-0.199	34.301	27.552	52.44
45	-0.095	-0.096	34.367	27.600	47.88
50	0.095	0.093	34.447	27.655	42.68
55	0.224	0.221	34.499	27.690	39.40
60	0.511	0.509	34.593	27.749	33.85
65	0.674	0.671	34.653	27.788	30.27
70	0.858	0.855	34.711	27.823	26.99
75	0.986	0.982	34.749	27.845	24.95
80	1.101	1.097	34.796	27.875	22.12
85	1.172	1.168	34.824	27.893	20.45
90	1.254	1.250	34.848	27.907	19.21
95	1.307	1.302	34.862	27.914	18.57
100	1.284	1.279	34.873	27.924	17.57
110	1.302	1.297	34.897	27.942	15.91
120	1.206	1.201	34.908	27.958	14.42
130	1.118	1.112	34.909	27.965	13.81
140	1.062	1.056	34.914	27.972	13.08
150	0.904	0.897	34.908	27.978	12.51
160	0.833	0.826	34.905	27.980	12.29
170	0.771	0.764	34.905	27.984	11.90
180	0.732	0.724	34.905	27.987	11.63
190	0.678	0.670	34.905	27.991	11.29
200	0.660	0.652	34.905	27.992	11.23
210	0.632	0.623	34.904	27.993	11.13
220	0.609	0.599	34.904	27.994	10.99
230	0.593	0.583	34.904	27.996	10.87
240	0.559	0.548	34.905	27.998	10.62
250	0.535	0.524	34.904	27.999	10.54
260	0.524	0.512	34.903	27.999	10.56
270	0.504	0.492	34.903	28.000	10.46
280	0.463	0.451	34.903	28.003	10.19
290	0.434	0.422	34.901	28.003	10.16
300	0.420	0.407	34.901	28.003	10.12
310	0.386	0.373	34.900	28.005	9.96
320	0.360	0.347	34.899	28.005	9.92
330	0.359	0.346	34.900	28.006	9.81
340	0.346	0.331	34.901	28.007	9.69
350	0.319	0.304	34.901	28.009	9.51
360	0.293	0.278	34.900	28.010	9.41
370	0.271	0.256	34.900	28.012	9.26
380	0.251	0.235	34.901	28.013	9.11
390	0.239	0.223	34.900	28.013	9.10
400	0.204	0.188	34.899	28.014	8.97
410	0.162	0.145	34.897	28.016	8.79
420	0.135	0.118	34.897	28.017	8.63
430	0.102	0.085	34.895	28.017	8.60
440	0.074	0.056	34.894	28.018	8.51
450	0.033	0.015	34.892	28.018	8.38

B91.580					
depth	temp	theta	salnty	sig_th	delta
460	0.012	-0.006	34.891	28.019	8.33
470	-0.010	-0.029	34.890	28.019	8.28
480	-0.026	-0.045	34.891	28.021	8.10
490	-0.066	-0.085	34.889	28.021	7.97
500	-0.092	-0.112	34.887	28.021	7.99
510	-0.087	-0.107	34.889	28.023	7.81
520	-0.113	-0.133	34.889	28.024	7.68
530	-0.129	-0.150	34.889	28.025	7.57
540	-0.143	-0.164	34.890	28.026	7.42
550	-0.133	-0.155	34.891	28.026	7.39
560	-0.146	-0.169	34.891	28.027	7.26
570	-0.166	-0.188	34.892	28.029	7.12
580	-0.177	-0.200	34.892	28.029	7.04
590	-0.188	-0.212	34.892	28.030	6.91
600	-0.201	-0.225	34.893	28.031	6.79
610	-0.211	-0.236	34.893	28.033	6.66
620	-0.226	-0.250	34.894	28.034	6.48
630	-0.246	-0.271	34.896	28.036	6.26
640	-0.255	-0.280	34.896	28.037	6.18
650	-0.261	-0.286	34.895	28.036	6.19
660	-0.274	-0.300	34.896	28.038	6.04
670	-0.280	-0.306	34.896	28.038	6.00
680	-0.286	-0.313	34.897	28.039	5.87
690	-0.303	-0.330	34.897	28.040	5.71
700	-0.323	-0.351	34.898	28.042	5.49
710	-0.332	-0.360	34.898	28.042	5.48
720	-0.347	-0.376	34.898	28.043	5.35
730	-0.360	-0.389	34.899	28.044	5.18
740	-0.367	-0.397	34.899	28.045	5.13
750	-0.371	-0.401	34.900	28.046	4.97
760	-0.379	-0.409	34.901	28.047	4.88
770	-0.407	-0.438	34.900	28.048	4.72
780	-0.419	-0.450	34.901	28.049	4.58
790	-0.428	-0.459	34.902	28.050	4.42
800	-0.422	-0.454	34.903	28.051	4.40
810	-0.430	-0.462	34.903	28.052	4.28
820	-0.438	-0.471	34.904	28.053	4.13
830	-0.445	-0.478	34.905	28.054	4.03
840	-0.453	-0.486	34.905	28.054	3.98
850	-0.465	-0.499	34.905	28.055	3.83
860	-0.479	-0.514	34.905	28.055	3.76
870	-0.498	-0.532	34.904	28.056	3.67
880	-0.516	-0.551	34.904	28.056	3.56
890	-0.526	-0.561	34.903	28.056	3.52
900	-0.526	-0.562	34.904	28.057	3.46
910	-0.536	-0.573	34.905	28.058	3.32
920	-0.548	-0.584	34.905	28.059	3.20
930	-0.557	-0.594	34.905	28.059	3.12
940	-0.569	-0.607	34.905	28.059	3.04
950	-0.566	-0.605	34.906	28.060	2.95
960	-0.566	-0.605	34.907	28.061	2.89
970	-0.567	-0.606	34.907	28.061	2.83
980	-0.565	-0.604	34.908	28.062	2.72
990	-0.566	-0.606	34.909	28.063	2.64
1000	-0.566	-0.606	34.910	28.064	2.57

B91.580					
depth	temp	theta	salnty	sig_th	delta
1010	-0.572	-0.613	34.910	28.064	2.50
1020	-0.578	-0.619	34.911	28.065	2.39
1030	-0.585	-0.627	34.911	28.065	2.32
1040	-0.588	-0.630	34.911	28.066	2.25
1050	-0.595	-0.638	34.911	28.066	2.22
1060	-0.605	-0.649	34.912	28.067	2.06
1070	-0.611	-0.655	34.912	28.067	1.98
1080	-0.616	-0.660	34.912	28.068	1.92
1090	-0.617	-0.662	34.913	28.068	1.86
1100	-0.620	-0.665	34.912	28.068	1.84
1110	-0.626	-0.672	34.913	28.069	1.71
1120	-0.628	-0.674	34.913	28.070	1.66
1130	-0.633	-0.680	34.914	28.070	1.58
1140	-0.639	-0.686	34.914	28.071	1.50
1150	-0.643	-0.691	34.914	28.071	1.44
1160	-0.648	-0.696	34.915	28.071	1.37
1170	-0.656	-0.705	34.915	28.072	1.25
1180	-0.660	-0.708	34.915	28.073	1.18
1190	-0.666	-0.715	34.915	28.072	1.18
1200	-0.670	-0.720	34.915	28.073	1.09
1210	-0.679	-0.729	34.915	28.073	1.02
1220	-0.682	-0.733	34.915	28.074	0.93
1230	-0.683	-0.734	34.916	28.074	0.91
1240	-0.686	-0.737	34.916	28.074	0.86
1250	-0.689	-0.741	34.916	28.075	0.79
1260	-0.696	-0.748	34.916	28.075	0.70
1270	-0.703	-0.756	34.916	28.075	0.63
1280	-0.705	-0.758	34.916	28.076	0.59
1290	-0.708	-0.762	34.916	28.076	0.53
1300	-0.717	-0.772	34.916	28.076	0.45
1310	-0.723	-0.778	34.917	28.077	0.37
1320	-0.726	-0.781	34.916	28.077	0.34
1330	-0.729	-0.785	34.916	28.077	0.32
1340	-0.732	-0.789	34.917	28.077	0.22
1350	-0.738	-0.795	34.917	28.077	0.18
1360	-0.741	-0.799	34.917	28.078	0.11
1370	-0.746	-0.804	34.917	28.078	0.07
1380	-0.751	-0.810	34.917	28.078	0.01
1390	-0.752	-0.811	34.917	28.078	-0.01
1400	-0.756	-0.815	34.916	28.078	-0.05
1410	-0.764	-0.824	34.917	28.079	-0.14
1420	-0.770	-0.831	34.916	28.079	-0.18
1430	-0.769	-0.830	34.916	28.079	-0.22
1440	-0.769	-0.830	34.917	28.079	-0.26
1450	-0.772	-0.834	34.917	28.079	-0.30
1460	-0.778	-0.841	34.916	28.079	-0.34
1470	-0.783	-0.847	34.916	28.079	-0.42
1480	-0.791	-0.854	34.917	28.080	-0.50
1490	-0.796	-0.860	34.917	28.080	-0.57
1500	-0.801	-0.866	34.917	28.080	-0.63
1510	-0.804	-0.869	34.916	28.080	-0.67
1520	-0.807	-0.873	34.916	28.080	-0.70
1530	-0.812	-0.878	34.916	28.081	-0.75
1540	-0.818	-0.884	34.916	28.081	-0.84
1550	-0.820	-0.887	34.916	28.081	-0.87

B91.580					
depth	temp	theta	salnty	sig_th	delta
1560	-0.825	-0.893	34.916	28.081	-0.92
1570	-0.829	-0.897	34.916	28.081	-0.95
1580	-0.831	-0.900	34.916	28.081	-1.00
1590	-0.833	-0.902	34.916	28.081	-1.04
1600	-0.836	-0.906	34.916	28.082	-1.09
1610	-0.840	-0.910	34.916	28.082	-1.13
1620	-0.844	-0.914	34.916	28.082	-1.18
1630	-0.846	-0.917	34.916	28.082	-1.23
1640	-0.848	-0.920	34.916	28.082	-1.28
1650	-0.853	-0.926	34.915	28.082	-1.29
1660	-0.855	-0.928	34.916	28.082	-1.36
1670	-0.858	-0.932	34.916	28.082	-1.41
1680	-0.867	-0.941	34.916	28.083	-1.50
1690	-0.870	-0.944	34.916	28.083	-1.56
1700	-0.874	-0.949	34.915	28.083	-1.59
1710	-0.875	-0.951	34.915	28.083	-1.61
1720	-0.879	-0.956	34.915	28.083	-1.67
1730	-0.881	-0.958	34.915	28.083	-1.72
1740	-0.883	-0.960	34.915	28.083	-1.75
1750	-0.885	-0.963	34.915	28.083	-1.79
1760	-0.887	-0.965	34.915	28.083	-1.84
1770	-0.889	-0.968	34.915	28.084	-1.87
1780	-0.889	-0.969	34.915	28.083	-1.88
1790	-0.891	-0.971	34.915	28.084	-1.92
1800	-0.893	-0.974	34.915	28.084	-1.97
1810	-0.895	-0.976	34.915	28.084	-2.01
1820	-0.896	-0.978	34.916	28.084	-2.09
1830	-0.901	-0.984	34.915	28.084	-2.11
1840	-0.904	-0.987	34.915	28.084	-2.14
1850	-0.907	-0.991	34.915	28.084	-2.19
1860	-0.912	-0.997	34.915	28.085	-2.28
1870	-0.915	-0.999	34.915	28.084	-2.30
1880	-0.920	-1.005	34.915	28.084	-2.35
1890	-0.922	-1.008	34.915	28.085	-2.40
1900	-0.922	-1.009	34.915	28.085	-2.42
1910	-0.926	-1.013	34.914	28.085	-2.46
1920	-0.930	-1.018	34.914	28.085	-2.52
1930	-0.932	-1.021	34.914	28.085	-2.57
1940	-0.934	-1.023	34.914	28.085	-2.60
1950	-0.937	-1.026	34.914	28.085	-2.61
1960	-0.939	-1.029	34.914	28.085	-2.69
1970	-0.940	-1.031	34.914	28.085	-2.69
1980	-0.941	-1.033	34.914	28.085	-2.72
1990	-0.944	-1.035	34.914	28.085	-2.78
2000	-0.944	-1.037	34.914	28.085	-2.79
2010	-0.945	-1.038	34.914	28.085	-2.82
2020	-0.949	-1.043	34.913	28.085	-2.87
2030	-0.951	-1.045	34.914	28.085	-2.93
2040	-0.955	-1.050	34.913	28.085	-2.96
2050	-0.955	-1.051	34.913	28.085	-2.95
2060	-0.957	-1.054	34.913	28.085	-2.99
2070	-0.960	-1.057	34.913	28.085	-3.06
2080	-0.961	-1.058	34.913	28.085	-3.09
2090	-0.965	-1.063	34.913	28.085	-3.12
2100	-0.971	-1.070	34.912	28.085	-3.15

B91.580					
depth	temp	theta	salnty	sig_th	delta
2110	-0.973	-1.073	34.912	28.085	-3.21
2120	-0.976	-1.076	34.912	28.085	-3.23
2130	-0.979	-1.079	34.912	28.085	-3.28
2140	-0.981	-1.081	34.911	28.085	-3.30
2150	-0.983	-1.085	34.911	28.084	-3.31
2160	-0.984	-1.086	34.911	28.085	-3.35
2170	-0.986	-1.088	34.911	28.085	-3.40
2180	-0.986	-1.090	34.911	28.085	-3.42
2190	-0.988	-1.092	34.911	28.085	-3.45
2200	-0.989	-1.094	34.910	28.085	-3.47
2210	-0.992	-1.098	34.910	28.085	-3.51
2220	-0.994	-1.100	34.910	28.084	-3.53
2230	-1.001	-1.108	34.910	28.084	-3.60
2240	-1.002	-1.110	34.909	28.084	-3.61
2250	-1.004	-1.112	34.909	28.084	-3.64
2260	-1.007	-1.116	34.909	28.084	-3.66
2270	-1.010	-1.119	34.908	28.084	-3.69
2280	-1.012	-1.121	34.908	28.084	-3.72
2290	-1.012	-1.123	34.908	28.084	-3.77
2300	-1.012	-1.123	34.908	28.084	-3.78
2310	-1.011	-1.123	34.908	28.084	-3.78

B91.581					
depth	temp	theta	salnty	sig_th	delta
5	3.297	3.296	32.370	25.760	222.52
10	3.324	3.323	32.387	25.771	221.46
15	3.497	3.496	32.587	25.915	207.87
20	2.978	2.976	32.956	26.256	175.47
25	0.328	0.327	34.078	27.344	72.14
30	0.298	0.297	34.290	27.517	55.75
35	0.688	0.687	34.424	27.602	47.75
40	0.432	0.430	34.466	27.652	43.06
45	0.116	0.115	34.488	27.687	39.68
50	0.869	0.866	34.613	27.743	34.51
55	0.980	0.977	34.657	27.771	31.84
60	1.037	1.034	34.679	27.785	30.56
65	1.091	1.088	34.704	27.802	28.98
70	1.216	1.212	34.746	27.827	26.65
75	1.493	1.489	34.796	27.848	24.78
80	1.811	1.807	34.860	27.875	22.27
85	1.904	1.900	34.889	27.890	20.87
90	1.869	1.864	34.899	27.901	19.84
95	2.013	2.008	34.918	27.905	19.54
100	2.074	2.069	34.932	27.912	18.96
110	2.365	2.359	34.971	27.919	18.46
120	2.235	2.228	34.969	27.928	17.60
130	2.160	2.153	34.965	27.931	17.36
140	2.136	2.129	34.971	27.938	16.77
150	2.121	2.113	34.972	27.940	16.59
160	2.079	2.070	34.972	27.944	16.29
170	2.050	2.040	34.973	27.947	16.06
180	1.988	1.978	34.970	27.950	15.82
190	1.967	1.957	34.972	27.953	15.56
200	1.835	1.825	34.964	27.957	15.15
210	1.745	1.734	34.958	27.959	14.93
220	1.712	1.701	34.957	27.961	14.80
230	1.552	1.540	34.948	27.965	14.35
240	1.466	1.454	34.942	27.967	14.12
250	1.325	1.313	34.933	27.970	13.80
260	1.213	1.200	34.926	27.973	13.51
270	1.146	1.133	34.923	27.975	13.30
280	1.071	1.058	34.919	27.977	13.08
290	0.963	0.949	34.914	27.980	12.76
300	0.910	0.896	34.912	27.982	12.57
310	0.881	0.867	34.912	27.984	12.37
320	0.844	0.829	34.913	27.987	12.08
330	0.828	0.813	34.913	27.988	11.97
340	0.766	0.750	34.914	27.993	11.49
350	0.723	0.707	34.911	27.993	11.43
360	0.686	0.670	34.909	27.994	11.31
370	0.656	0.639	34.910	27.996	11.08
380	0.577	0.560	34.906	27.998	10.85
390	0.540	0.523	34.904	27.999	10.73
400	0.517	0.499	34.903	27.999	10.70
410	0.442	0.425	34.901	28.003	10.34
420	0.411	0.393	34.900	28.004	10.20
430	0.385	0.366	34.899	28.005	10.10
440	0.358	0.339	34.900	28.006	9.91
450	0.328	0.309	34.898	28.006	9.88

B91.581					
depth	temp	theta	salnty	sig_th	delta
460	0.311	0.291	34.899	28.008	9.70
470	0.287	0.267	34.900	28.010	9.48
480	0.263	0.242	34.898	28.010	9.45
490	0.234	0.213	34.897	28.011	9.35
500	0.205	0.184	34.896	28.012	9.19
510	0.161	0.140	34.895	28.014	8.99
520	0.095	0.073	34.891	28.015	8.82
530	0.068	0.046	34.890	28.015	8.72
540	0.048	0.025	34.891	28.017	8.58
550	0.008	-0.015	34.888	28.017	8.49
560	0.002	-0.021	34.889	28.018	8.42
570	-0.009	-0.032	34.889	28.018	8.32
580	-0.030	-0.054	34.891	28.021	8.04
590	-0.059	-0.084	34.890	28.022	7.93
600	-0.084	-0.109	34.890	28.024	7.72
610	-0.095	-0.120	34.890	28.024	7.64
620	-0.101	-0.126	34.891	28.025	7.57
630	-0.119	-0.144	34.892	28.027	7.35
640	-0.134	-0.160	34.892	28.028	7.22
650	-0.146	-0.173	34.893	28.029	7.12
660	-0.163	-0.190	34.893	28.030	6.99
670	-0.175	-0.202	34.893	28.031	6.85
680	-0.182	-0.210	34.895	28.032	6.69
690	-0.191	-0.220	34.896	28.034	6.55
700	-0.200	-0.229	34.895	28.034	6.55
710	-0.223	-0.252	34.895	28.035	6.37
720	-0.256	-0.285	34.896	28.037	6.06
730	-0.268	-0.298	34.897	28.038	5.95
740	-0.267	-0.297	34.897	28.038	5.92
750	-0.294	-0.324	34.897	28.040	5.73
760	-0.311	-0.341	34.898	28.041	5.56
770	-0.318	-0.350	34.898	28.042	5.50
780	-0.331	-0.363	34.898	28.043	5.35
790	-0.340	-0.372	34.899	28.043	5.26
800	-0.352	-0.384	34.899	28.045	5.11
810	-0.377	-0.410	34.900	28.046	4.90
820	-0.403	-0.436	34.899	28.047	4.75
830	-0.411	-0.444	34.900	28.048	4.63
840	-0.420	-0.454	34.901	28.049	4.51
850	-0.423	-0.457	34.901	28.049	4.48
860	-0.431	-0.466	34.902	28.050	4.33
870	-0.435	-0.471	34.902	28.051	4.26
880	-0.441	-0.476	34.903	28.052	4.16
890	-0.453	-0.489	34.903	28.053	4.04
900	-0.464	-0.500	34.902	28.053	4.01
910	-0.464	-0.501	34.903	28.053	3.95
920	-0.467	-0.504	34.904	28.054	3.86
930	-0.493	-0.531	34.903	28.055	3.70
940	-0.504	-0.542	34.903	28.055	3.60
950	-0.514	-0.553	34.904	28.056	3.49
960	-0.506	-0.545	34.905	28.057	3.40
970	-0.506	-0.546	34.907	28.058	3.29
980	-0.514	-0.554	34.906	28.058	3.26
990	-0.516	-0.556	34.907	28.059	3.15
1000	-0.522	-0.563	34.908	28.060	3.00

B91.581					
depth	temp	theta	salnty	sig_th	delta
1010	-0.525	-0.566	34.908	28.061	2.97
1020	-0.525	-0.567	34.909	28.061	2.93
1030	-0.540	-0.582	34.910	28.062	2.72
1040	-0.542	-0.585	34.910	28.063	2.69
1050	-0.553	-0.596	34.910	28.063	2.60
1060	-0.559	-0.603	34.911	28.064	2.48
1070	-0.565	-0.609	34.910	28.064	2.43
1080	-0.577	-0.621	34.910	28.065	2.32
1090	-0.580	-0.625	34.911	28.065	2.25
1100	-0.587	-0.632	34.912	28.066	2.13
1110	-0.602	-0.648	34.910	28.066	2.10
1120	-0.607	-0.653	34.910	28.066	2.06
1130	-0.612	-0.658	34.911	28.067	1.94
1140	-0.615	-0.662	34.911	28.067	1.87
1150	-0.617	-0.665	34.912	28.068	1.77
1160	-0.623	-0.671	34.912	28.068	1.72
1170	-0.628	-0.677	34.913	28.069	1.61
1180	-0.644	-0.693	34.912	28.070	1.52
1190	-0.643	-0.693	34.913	28.070	1.47
1200	-0.646	-0.697	34.913	28.070	1.44
1210	-0.650	-0.701	34.913	28.070	1.37
1220	-0.655	-0.706	34.913	28.071	1.30
1230	-0.661	-0.712	34.914	28.071	1.21
1240	-0.664	-0.716	34.914	28.072	1.12
1250	-0.666	-0.718	34.914	28.072	1.09
1260	-0.672	-0.725	34.914	28.073	1.01
1270	-0.676	-0.729	34.914	28.073	0.96
1280	-0.680	-0.734	34.915	28.073	0.88
1290	-0.685	-0.739	34.915	28.074	0.81
1300	-0.691	-0.746	34.915	28.074	0.78
1310	-0.698	-0.753	34.915	28.074	0.68
1320	-0.703	-0.759	34.915	28.075	0.62
1330	-0.706	-0.763	34.915	28.075	0.55
1340	-0.709	-0.766	34.915	28.075	0.52
1350	-0.709	-0.766	34.916	28.076	0.45
1360	-0.715	-0.773	34.916	28.076	0.40
1370	-0.719	-0.777	34.916	28.076	0.33
1380	-0.724	-0.782	34.916	28.076	0.29
1390	-0.729	-0.789	34.915	28.076	0.29
1400	-0.736	-0.796	34.916	28.077	0.10
1410	-0.742	-0.803	34.916	28.077	0.07
1420	-0.749	-0.809	34.916	28.077	0.02
1430	-0.757	-0.818	34.915	28.077	-0.03
1440	-0.762	-0.824	34.915	28.078	-0.10
1450	-0.766	-0.828	34.915	28.077	-0.11
1460	-0.772	-0.835	34.914	28.077	-0.16
1470	-0.772	-0.836	34.915	28.078	-0.20
1480	-0.774	-0.838	34.915	28.078	-0.28
1490	-0.778	-0.843	34.915	28.078	-0.32
1500	-0.780	-0.845	34.915	28.079	-0.38
1510	-0.784	-0.850	34.915	28.079	-0.41
1520	-0.786	-0.852	34.915	28.079	-0.46
1530	-0.789	-0.855	34.915	28.079	-0.47
1540	-0.790	-0.857	34.915	28.079	-0.54
1550	-0.793	-0.860	34.915	28.079	-0.55

B91.581					
depth	temp	theta	salnty	sig_th	delta
1560	-0.796	-0.864	34.915	28.079	-0.64
1570	-0.803	-0.872	34.916	28.080	-0.74
1580	-0.805	-0.874	34.915	28.080	-0.74
1590	-0.815	-0.884	34.915	28.080	-0.83
1600	-0.818	-0.888	34.915	28.080	-0.85
1610	-0.820	-0.890	34.915	28.080	-0.91
1620	-0.822	-0.893	34.915	28.080	-0.95
1630	-0.824	-0.896	34.916	28.081	-1.03
1640	-0.826	-0.898	34.916	28.081	-1.07
1650	-0.831	-0.903	34.915	28.081	-1.09
1660	-0.835	-0.908	34.915	28.081	-1.13
1670	-0.838	-0.912	34.915	28.081	-1.23
1680	-0.838	-0.912	34.915	28.081	-1.21
1690	-0.838	-0.913	34.915	28.081	-1.27
1700	-0.844	-0.919	34.915	28.081	-1.29
1710	-0.852	-0.928	34.914	28.081	-1.36
1720	-0.850	-0.926	34.915	28.082	-1.40
1730	-0.853	-0.931	34.916	28.082	-1.49
1740	-0.856	-0.933	34.915	28.082	-1.51
1750	-0.858	-0.937	34.916	28.082	-1.58
1760	-0.861	-0.940	34.915	28.082	-1.60
1770	-0.868	-0.948	34.915	28.082	-1.65
1780	-0.868	-0.948	34.915	28.083	-1.71
1790	-0.869	-0.950	34.915	28.083	-1.72
1800	-0.873	-0.954	34.915	28.083	-1.78
1810	-0.874	-0.955	34.915	28.083	-1.81
1820	-0.875	-0.957	34.915	28.083	-1.84
1830	-0.880	-0.963	34.915	28.083	-1.88
1840	-0.884	-0.967	34.915	28.083	-1.94
1850	-0.884	-0.968	34.915	28.083	-1.96
1860	-0.886	-0.971	34.914	28.083	-2.00
1870	-0.891	-0.976	34.915	28.084	-2.09
1880	-0.893	-0.978	34.914	28.083	-2.09
1890	-0.895	-0.981	34.915	28.083	-2.15
1900	-0.897	-0.984	34.914	28.083	-2.18
1910	-0.899	-0.987	34.915	28.084	-2.23
1920	-0.900	-0.989	34.915	28.084	-2.29
1930	-0.901	-0.990	34.914	28.084	-2.29
1940	-0.904	-0.994	34.914	28.084	-2.34
1950	-0.906	-0.996	34.915	28.084	-2.40
1960	-0.907	-0.998	34.914	28.084	-2.39
1970	-0.909	-1.000	34.915	28.084	-2.46
1980	-0.909	-1.001	34.915	28.084	-2.50
1990	-0.910	-1.003	34.915	28.085	-2.54
2000	-0.911	-1.004	34.914	28.084	-2.52
2010	-0.914	-1.007	34.914	28.084	-2.58
2020	-0.916	-1.010	34.914	28.084	-2.63
2030	-0.915	-1.010	34.914	28.084	-2.61
2040	-0.917	-1.012	34.914	28.084	-2.66
2050	-0.921	-1.018	34.914	28.084	-2.72
2060	-0.923	-1.020	34.914	28.085	-2.76
2070	-0.925	-1.023	34.914	28.085	-2.83
2080	-0.928	-1.026	34.914	28.085	-2.83
2090	-0.929	-1.027	34.914	28.085	-2.88
2100	-0.928	-1.028	34.914	28.085	-2.88

B91.581					
depth	temp	theta	salnty	sig_th	delta
2110	-0.929	-1.029	34.914	28.085	-2.93
2120	-0.936	-1.036	34.913	28.085	-2.97
2130	-0.939	-1.039	34.913	28.085	-3.03
2140	-0.938	-1.040	34.913	28.085	-3.05
2150	-0.940	-1.042	34.913	28.085	-3.06
2160	-0.941	-1.044	34.913	28.085	-3.12
2170	-0.941	-1.044	34.913	28.085	-3.11
2180	-0.942	-1.046	34.913	28.085	-3.17
2190	-0.946	-1.051	34.913	28.085	-3.21
2200	-0.947	-1.053	34.913	28.085	-3.24
2210	-0.949	-1.055	34.913	28.085	-3.26
2220	-0.951	-1.058	34.913	28.085	-3.31
2230	-0.953	-1.060	34.912	28.085	-3.34
2240	-0.955	-1.063	34.912	28.085	-3.38
2250	-0.959	-1.067	34.912	28.085	-3.41
2260	-0.961	-1.070	34.912	28.085	-3.46
2270	-0.962	-1.072	34.912	28.085	-3.48
2280	-0.963	-1.073	34.912	28.085	-3.50
2290	-0.968	-1.079	34.912	28.085	-3.56
2300	-0.971	-1.083	34.911	28.085	-3.59
2310	-0.973	-1.085	34.911	28.085	-3.62
2320	-0.975	-1.088	34.911	28.085	-3.65
2330	-0.976	-1.090	34.911	28.085	-3.68
2340	-0.979	-1.094	34.911	28.085	-3.73
2350	-0.980	-1.095	34.910	28.085	-3.74
2360	-0.978	-1.094	34.911	28.085	-3.78
2370	-0.979	-1.095	34.911	28.085	-3.81
2380	-0.979	-1.096	34.911	28.085	-3.83
2390	-0.982	-1.099	34.910	28.085	-3.84
2400	-0.984	-1.103	34.910	28.085	-3.88
2410	-0.987	-1.106	34.910	28.085	-3.92
2420	-0.988	-1.108	34.910	28.084	-3.94
2430	-0.989	-1.109	34.910	28.084	-3.97
2440	-0.990	-1.111	34.909	28.084	-3.98
2450	-0.990	-1.112	34.909	28.084	-4.00
2460	-0.990	-1.113	34.909	28.084	-4.03
2470	-0.990	-1.113	34.909	28.084	-4.05
2480	-0.991	-1.115	34.909	28.084	-4.08
2490	-0.994	-1.118	34.909	28.084	-4.10
2500	-0.996	-1.121	34.909	28.084	-4.14
2510	-0.996	-1.122	34.909	28.084	-4.18
2520	-0.996	-1.123	34.908	28.084	-4.19
2530	-0.996	-1.124	34.908	28.084	-4.20
2540	-0.996	-1.124	34.908	28.084	-4.23
2550	-0.996	-1.125	34.908	28.084	-4.26
2560	-0.995	-1.125	34.908	28.084	-4.27
2570	-0.995	-1.125	34.908	28.084	-4.29
2580	-0.994	-1.125	34.908	28.084	-4.30
2590	-0.993	-1.125	34.908	28.084	-4.30
2600	-0.993	-1.125	34.908	28.084	-4.33

B91.582					
depth	temp	theta	salnty	sig_th	delta
5	4.024	4.024	33.550	26.630	139.89
10	4.069	4.069	33.581	26.650	138.02
15	4.382	4.381	33.832	26.817	122.25
20	4.030	4.029	33.916	26.921	112.43
25	2.849	2.847	34.348	27.378	69.11
30	2.508	2.507	34.487	27.519	55.78
35	2.064	2.062	34.605	27.650	43.37
40	1.814	1.812	34.659	27.713	37.40
45	1.391	1.389	34.669	27.752	33.66
50	1.238	1.235	34.666	27.761	32.84
55	1.102	1.099	34.682	27.783	30.75
60	0.898	0.895	34.699	27.810	28.16
65	0.738	0.735	34.711	27.830	26.22
70	0.723	0.720	34.725	27.842	25.10
75	0.638	0.635	34.733	27.854	23.99
80	0.744	0.741	34.759	27.869	22.63
85	0.658	0.655	34.761	27.876	21.96
90	0.477	0.474	34.760	27.886	20.95
95	0.526	0.522	34.771	27.892	20.42
100	0.531	0.527	34.779	27.898	19.86
110	0.737	0.732	34.805	27.906	19.13
120	0.888	0.882	34.827	27.915	18.43
130	0.876	0.870	34.838	27.924	17.59
140	0.857	0.851	34.843	27.929	17.12
150	0.968	0.961	34.857	27.934	16.74
160	0.963	0.955	34.860	27.936	16.50
170	0.949	0.941	34.865	27.941	16.09
180	0.890	0.882	34.864	27.944	15.80
190	0.847	0.838	34.865	27.948	15.45
200	0.800	0.791	34.868	27.953	14.96
210	0.787	0.777	34.871	27.956	14.66
220	0.786	0.776	34.874	27.959	14.46
230	0.764	0.754	34.877	27.963	14.08
240	0.757	0.746	34.880	27.965	13.83
250	0.732	0.721	34.883	27.970	13.42
260	0.693	0.681	34.885	27.974	13.02
270	0.662	0.651	34.886	27.977	12.75
280	0.675	0.663	34.892	27.981	12.41
290	0.618	0.605	34.891	27.983	12.14
300	0.581	0.568	34.890	27.985	11.95
310	0.584	0.571	34.893	27.987	11.83
320	0.514	0.500	34.892	27.991	11.38
330	0.447	0.432	34.893	27.995	10.94
340	0.412	0.398	34.892	27.997	10.77
350	0.359	0.344	34.891	27.999	10.48
360	0.330	0.314	34.893	28.002	10.21
370	0.298	0.282	34.891	28.003	10.11
380	0.266	0.250	34.891	28.004	9.94
390	0.238	0.222	34.893	28.007	9.63
400	0.201	0.184	34.890	28.007	9.63
410	0.156	0.139	34.889	28.009	9.39
420	0.140	0.123	34.889	28.010	9.28
430	0.117	0.099	34.889	28.011	9.15
440	0.101	0.083	34.889	28.013	9.01
450	0.090	0.071	34.890	28.014	8.88

B91.582					
depth	temp	theta	salnty	sig_th	delta
460	0.075	0.056	34.891	28.015	8.71
470	0.055	0.036	34.892	28.017	8.56
480	0.024	0.004	34.892	28.019	8.35
490	0.010	-0.010	34.891	28.019	8.30
500	-0.002	-0.022	34.892	28.020	8.16
510	-0.021	-0.041	34.893	28.022	7.94
520	-0.055	-0.076	34.894	28.025	7.66
530	-0.070	-0.092	34.894	28.025	7.58
540	-0.091	-0.113	34.894	28.027	7.43
550	-0.115	-0.137	34.894	28.028	7.26
560	-0.132	-0.154	34.894	28.029	7.12
570	-0.140	-0.163	34.895	28.030	7.05
580	-0.148	-0.171	34.895	28.031	6.93
590	-0.162	-0.185	34.896	28.032	6.77
600	-0.167	-0.191	34.897	28.033	6.67
610	-0.184	-0.209	34.897	28.034	6.53
620	-0.210	-0.235	34.898	28.036	6.34
630	-0.227	-0.252	34.898	28.037	6.17
640	-0.230	-0.256	34.901	28.039	5.98
650	-0.255	-0.281	34.901	28.041	5.78
660	-0.267	-0.294	34.902	28.042	5.64
670	-0.281	-0.308	34.902	28.043	5.52
680	-0.295	-0.322	34.902	28.044	5.40
690	-0.308	-0.336	34.902	28.044	5.35
700	-0.328	-0.356	34.902	28.046	5.16
710	-0.341	-0.369	34.902	28.046	5.06
720	-0.356	-0.385	34.903	28.048	4.87
730	-0.367	-0.396	34.903	28.048	4.83
740	-0.386	-0.415	34.904	28.050	4.62
750	-0.391	-0.421	34.904	28.050	4.55
760	-0.402	-0.433	34.905	28.051	4.43
770	-0.410	-0.441	34.905	28.052	4.32
780	-0.423	-0.454	34.905	28.053	4.21
790	-0.430	-0.462	34.905	28.053	4.13
800	-0.442	-0.473	34.906	28.054	4.00
810	-0.445	-0.477	34.906	28.054	3.99
820	-0.457	-0.489	34.906	28.055	3.87
830	-0.465	-0.498	34.907	28.056	3.77
840	-0.468	-0.502	34.907	28.056	3.72
850	-0.477	-0.511	34.907	28.057	3.60
860	-0.483	-0.517	34.907	28.057	3.55
870	-0.489	-0.524	34.907	28.058	3.48
880	-0.496	-0.531	34.907	28.058	3.44
890	-0.508	-0.544	34.908	28.059	3.28
900	-0.514	-0.550	34.909	28.060	3.19
910	-0.521	-0.557	34.909	28.061	3.11
920	-0.527	-0.564	34.909	28.061	3.02
930	-0.533	-0.570	34.909	28.061	2.97
940	-0.541	-0.579	34.910	28.062	2.85
950	-0.546	-0.585	34.910	28.063	2.80
960	-0.555	-0.593	34.910	28.064	2.67
970	-0.566	-0.605	34.911	28.064	2.57
980	-0.571	-0.610	34.911	28.064	2.53
990	-0.579	-0.619	34.911	28.065	2.42
1000	-0.583	-0.623	34.911	28.065	2.39

B91.582					
depth	temp	theta	salnty	sig_th	delta
1010	-0.593	-0.634	34.911	28.066	2.25
1020	-0.601	-0.642	34.912	28.067	2.14
1030	-0.607	-0.649	34.912	28.067	2.08
1040	-0.621	-0.663	34.913	28.069	1.88
1050	-0.636	-0.678	34.913	28.069	1.76
1060	-0.639	-0.682	34.913	28.070	1.72
1070	-0.642	-0.685	34.913	28.070	1.68
1080	-0.651	-0.695	34.913	28.070	1.59
1090	-0.655	-0.700	34.914	28.071	1.50
1100	-0.662	-0.707	34.914	28.071	1.41
1110	-0.667	-0.712	34.914	28.072	1.33
1120	-0.667	-0.712	34.915	28.073	1.25
1130	-0.672	-0.718	34.916	28.074	1.14
1140	-0.675	-0.722	34.916	28.074	1.10
1150	-0.678	-0.725	34.916	28.074	1.03
1160	-0.687	-0.734	34.916	28.075	0.95
1170	-0.689	-0.737	34.916	28.075	0.90
1180	-0.693	-0.741	34.916	28.075	0.89
1190	-0.699	-0.748	34.916	28.075	0.80
1200	-0.704	-0.753	34.917	28.076	0.71
1210	-0.708	-0.757	34.916	28.076	0.69
1220	-0.709	-0.759	34.916	28.076	0.68
1230	-0.711	-0.762	34.916	28.076	0.63
1240	-0.714	-0.766	34.916	28.076	0.60
1250	-0.717	-0.769	34.916	28.076	0.55
1260	-0.722	-0.774	34.917	28.076	0.48
1270	-0.727	-0.780	34.917	28.077	0.42
1280	-0.731	-0.784	34.917	28.077	0.35
1290	-0.732	-0.785	34.916	28.077	0.36
1300	-0.733	-0.788	34.916	28.077	0.32
1310	-0.733	-0.788	34.917	28.077	0.29

B91.583					
depth	temp	theta	salnty	sig_th	delta
5	5.156	5.155	34.382	27.167	89.00
10	5.105	5.104	34.396	27.184	87.44
15	5.108	5.107	34.488	27.257	80.56
20	5.004	5.002	34.595	27.354	71.45
25	4.897	4.895	34.606	27.375	69.56
30	4.531	4.529	34.630	27.435	63.86
35	3.523	3.521	34.675	27.576	50.52
40	2.378	2.376	34.733	27.727	36.17
45	1.798	1.796	34.767	27.801	29.12
50	1.421	1.419	34.791	27.849	24.57
55	1.212	1.210	34.798	27.869	22.66
60	1.159	1.157	34.801	27.875	22.10
65	1.147	1.144	34.804	27.878	21.82
70	1.143	1.140	34.805	27.880	21.66
75	1.137	1.134	34.816	27.889	20.82
80	1.181	1.178	34.825	27.893	20.45
85	1.185	1.181	34.831	27.897	20.03
90	1.291	1.287	34.851	27.906	19.28
95	1.288	1.283	34.855	27.910	18.93
100	1.288	1.283	34.860	27.914	18.55
110	1.249	1.244	34.861	27.917	18.25
120	1.113	1.108	34.857	27.924	17.65
130	1.085	1.079	34.865	27.931	16.95
140	1.033	1.026	34.864	27.934	16.70
150	0.922	0.915	34.862	27.940	16.10
160	0.793	0.786	34.856	27.944	15.75
170	0.789	0.781	34.857	27.945	15.66
180	0.711	0.703	34.859	27.952	14.97
190	0.701	0.693	34.862	27.954	14.75
200	0.697	0.688	34.868	27.959	14.29
210	0.713	0.704	34.873	27.962	14.03
220	0.698	0.689	34.875	27.965	13.76
230	0.718	0.708	34.881	27.969	13.44
240	0.734	0.723	34.890	27.975	12.91
250	0.710	0.699	34.890	27.977	12.74
260	0.706	0.695	34.895	27.981	12.39
270	0.626	0.614	34.892	27.983	12.12
280	0.594	0.582	34.892	27.986	11.90
290	0.531	0.518	34.890	27.988	11.66
300	0.503	0.490	34.889	27.989	11.54
310	0.472	0.458	34.889	27.991	11.35
320	0.430	0.417	34.890	27.994	10.99
330	0.379	0.365	34.890	27.997	10.67
340	0.336	0.321	34.891	28.000	10.38
350	0.322	0.308	34.891	28.001	10.31
360	0.303	0.288	34.891	28.002	10.19
370	0.287	0.272	34.891	28.003	10.07
380	0.232	0.216	34.891	28.007	9.70
390	0.209	0.193	34.891	28.008	9.55
400	0.175	0.159	34.892	28.010	9.30
410	0.146	0.130	34.892	28.012	9.13
420	0.110	0.093	34.893	28.015	8.76
430	0.094	0.076	34.892	28.015	8.78
440	0.073	0.055	34.892	28.016	8.67
450	0.046	0.028	34.900	28.024	7.87

B91.583					
depth	temp	theta	salnty	sig_th	delta
460	0.026	0.007	34.894	28.020	8.22
470	0.003	-0.016	34.894	28.022	8.01
480	-0.013	-0.033	34.895	28.023	7.89
490	-0.039	-0.059	34.897	28.026	7.56
500	-0.056	-0.076	34.896	28.026	7.51
510	-0.084	-0.105	34.897	28.028	7.29
520	-0.092	-0.113	34.897	28.029	7.21
530	-0.114	-0.136	34.897	28.031	7.03
540	-0.144	-0.165	34.898	28.032	6.80
550	-0.161	-0.183	34.898	28.034	6.65
560	-0.179	-0.201	34.899	28.035	6.51
570	-0.195	-0.218	34.899	28.036	6.37
580	-0.217	-0.240	34.900	28.038	6.18

B91.584					
depth	temp	theta	salnty	sig_th	delta
5	4.071	4.070	33.695	26.741	129.41
10	4.071	4.070	33.694	26.740	129.51
15	5.108	5.107	34.344	27.143	91.37
20	5.392	5.390	34.604	27.315	75.18
25	5.422	5.420	34.635	27.337	73.22
30	5.123	5.120	34.654	27.387	68.49
35	3.923	3.921	34.720	27.572	50.92
40	3.312	3.309	34.736	27.645	43.96
45	2.443	2.441	34.787	27.765	32.59
50	2.299	2.296	34.809	27.795	29.81
55	2.094	2.091	34.812	27.813	28.02
60	1.907	1.904	34.829	27.842	25.32
65	1.663	1.659	34.808	27.844	25.10
70	1.138	1.134	34.783	27.862	23.30
75	0.974	0.971	34.762	27.856	23.86
80	1.223	1.219	34.808	27.876	22.04
85	1.188	1.184	34.813	27.882	21.45
90	1.354	1.350	34.847	27.898	20.03
95	1.426	1.421	34.861	27.904	19.47
100	1.469	1.464	34.874	27.912	18.80
110	1.432	1.427	34.874	27.915	18.56
120	1.424	1.418	34.881	27.920	18.05
130	1.543	1.537	34.896	27.924	17.78
140	1.501	1.494	34.900	27.931	17.21
150	1.416	1.409	34.897	27.934	16.87
160	1.180	1.172	34.883	27.939	16.31
170	0.986	0.978	34.865	27.938	16.35
180	0.924	0.916	34.865	27.942	15.98
190	0.880	0.872	34.861	27.943	15.96
200	0.888	0.879	34.864	27.944	15.82
210	0.829	0.819	34.871	27.954	14.90
220	0.796	0.786	34.875	27.959	14.42
230	0.751	0.741	34.877	27.964	13.98
240	0.745	0.734	34.879	27.966	13.78
250	0.724	0.713	34.881	27.969	13.53
260	0.683	0.672	34.881	27.971	13.30
270	0.659	0.648	34.883	27.974	13.00
280	0.592	0.580	34.887	27.981	12.28
290	0.555	0.543	34.888	27.984	11.98
300	0.512	0.499	34.889	27.988	11.58
310	0.466	0.453	34.890	27.992	11.23
320	0.427	0.413	34.892	27.996	10.86
330	0.420	0.406	34.891	27.995	10.89
340	0.389	0.375	34.892	27.998	10.59
350	0.367	0.353	34.894	28.001	10.36
360	0.347	0.331	34.894	28.002	10.22
370	0.327	0.312	34.895	28.004	10.05
380	0.306	0.290	34.895	28.006	9.86
390	0.279	0.263	34.895	28.007	9.69
400	0.232	0.215	34.896	28.011	9.33
410	0.205	0.188	34.896	28.012	9.19
420	0.153	0.136	34.897	28.016	8.78
430	0.131	0.114	34.897	28.017	8.66
440	0.103	0.085	34.897	28.019	8.42
450	0.069	0.050	34.898	28.021	8.15

B91.584					
depth	temp	theta	salnty	sig_th	delta
460	0.026	0.007	34.897	28.023	7.95
470	-0.015	-0.034	34.896	28.024	7.79
480	-0.033	-0.053	34.895	28.024	7.72
490	-0.051	-0.071	34.895	28.025	7.62
500	-0.071	-0.091	34.896	28.028	7.39
510	-0.083	-0.104	34.896	28.028	7.33
520	-0.134	-0.155	34.895	28.030	7.08
530	-0.141	-0.162	34.897	28.031	6.92
540	-0.154	-0.176	34.898	28.033	6.76
550	-0.152	-0.174	34.897	28.032	6.81
560	-0.166	-0.188	34.897	28.033	6.68
570	-0.182	-0.204	34.897	28.034	6.60
580	-0.207	-0.230	34.898	28.036	6.36
590	-0.228	-0.251	34.898	28.037	6.19
600	-0.255	-0.279	34.899	28.039	5.98
610	-0.267	-0.291	34.899	28.040	5.89
620	-0.279	-0.303	34.899	28.041	5.76
630	-0.281	-0.306	34.900	28.041	5.71
640	-0.290	-0.315	34.900	28.042	5.62
650	-0.292	-0.318	34.901	28.043	5.56
660	-0.317	-0.343	34.901	28.044	5.35
670	-0.341	-0.367	34.901	28.045	5.17
680	-0.358	-0.385	34.901	28.046	5.04
690	-0.370	-0.397	34.902	28.047	4.93
700	-0.376	-0.403	34.902	28.048	4.86
710	-0.386	-0.414	34.903	28.049	4.74
720	-0.395	-0.423	34.903	28.050	4.60
730	-0.398	-0.426	34.903	28.049	4.65
740	-0.408	-0.438	34.903	28.051	4.50
750	-0.419	-0.448	34.904	28.051	4.40
760	-0.428	-0.458	34.904	28.052	4.29
770	-0.437	-0.468	34.905	28.053	4.17
780	-0.447	-0.478	34.905	28.053	4.10
790	-0.458	-0.489	34.905	28.054	3.97
800	-0.467	-0.498	34.906	28.055	3.87
810	-0.473	-0.505	34.907	28.056	3.73
820	-0.484	-0.517	34.907	28.057	3.66
830	-0.501	-0.534	34.907	28.058	3.52
840	-0.508	-0.541	34.907	28.058	3.42
850	-0.508	-0.542	34.907	28.058	3.42
860	-0.512	-0.547	34.907	28.059	3.34
870	-0.515	-0.550	34.907	28.059	3.31
880	-0.523	-0.558	34.909	28.061	3.14
890	-0.534	-0.570	34.908	28.061	3.08
900	-0.542	-0.578	34.909	28.062	2.97
910	-0.550	-0.586	34.909	28.062	2.87
920	-0.560	-0.597	34.911	28.064	2.69
930	-0.566	-0.603	34.910	28.064	2.65
940	-0.583	-0.620	34.911	28.065	2.48
950	-0.587	-0.625	34.911	28.065	2.45
960	-0.592	-0.630	34.911	28.066	2.38
970	-0.595	-0.634	34.911	28.066	2.30
980	-0.606	-0.645	34.912	28.067	2.16
990	-0.634	-0.674	34.913	28.069	1.87
1000	-0.649	-0.689	34.913	28.070	1.74

B91.584					
depth	temp	theta	salnty	sig_th	delta
1010	-0.656	-0.697	34.913	28.070	1.70
1020	-0.660	-0.701	34.913	28.070	1.64
1030	-0.668	-0.709	34.915	28.072	1.44
1040	-0.676	-0.718	34.914	28.072	1.44
1050	-0.677	-0.719	34.913	28.072	1.44
1060	-0.678	-0.721	34.914	28.072	1.40
1070	-0.681	-0.724	34.913	28.072	1.37
1080	-0.685	-0.729	34.914	28.072	1.30
1090	-0.696	-0.740	34.914	28.073	1.19
1100	-0.700	-0.744	34.914	28.073	1.14
1110	-0.704	-0.748	34.914	28.073	1.09
1120	-0.706	-0.751	34.914	28.073	1.06
1130	-0.707	-0.753	34.914	28.074	1.02
1140	-0.710	-0.757	34.914	28.074	0.97
1150	-0.713	-0.760	34.915	28.074	0.90
1160	-0.719	-0.767	34.914	28.074	0.85
1170	-0.722	-0.770	34.914	28.075	0.82
1180	-0.726	-0.774	34.915	28.075	0.75
1190	-0.738	-0.787	34.915	28.075	0.65
1200	-0.739	-0.788	34.915	28.075	0.62
1210	-0.741	-0.791	34.915	28.076	0.58
1220	-0.743	-0.794	34.915	28.076	0.54
1230	-0.744	-0.795	34.915	28.076	0.46

B91.585					
depth	temp	theta	salnty	sig_th	delta
5	5.510	5.510	34.669	27.352	71.47
10	5.508	5.507	34.669	27.352	71.51
15	5.506	5.504	34.669	27.353	71.52
20	5.507	5.505	34.669	27.353	71.60
25	5.506	5.504	34.669	27.353	71.68
30	5.503	5.501	34.668	27.353	71.73
35	5.185	5.182	34.678	27.399	67.43
40	4.349	4.346	34.703	27.513	56.56
45	2.584	2.581	34.763	27.734	35.58
50	2.267	2.264	34.758	27.757	33.39
55	1.817	1.814	34.771	27.803	29.01
60	1.679	1.676	34.763	27.807	28.57
65	1.584	1.581	34.762	27.813	28.01
70	1.344	1.341	34.770	27.837	25.70
75	1.135	1.131	34.774	27.855	24.01
80	0.901	0.897	34.777	27.873	22.29
85	0.779	0.775	34.787	27.889	20.76
90	0.674	0.670	34.795	27.902	19.50
95	0.640	0.636	34.801	27.909	18.82
100	0.619	0.615	34.809	27.917	18.11
110	0.630	0.625	34.820	27.925	17.38
120	0.630	0.625	34.822	27.926	17.25
130	0.619	0.613	34.828	27.932	16.71
140	0.638	0.633	34.842	27.942	15.77
150	0.628	0.622	34.849	27.949	15.18
160	0.613	0.606	34.851	27.951	14.92
170	0.587	0.579	34.854	27.955	14.55
180	0.586	0.578	34.857	27.957	14.39
190	0.577	0.569	34.861	27.962	14.00
200	0.585	0.576	34.865	27.965	13.74
210	0.582	0.573	34.867	27.966	13.60
220	0.633	0.623	34.879	27.972	13.07
230	0.621	0.611	34.884	27.977	12.63
240	0.575	0.565	34.886	27.982	12.16
250	0.545	0.535	34.887	27.984	11.93
260	0.505	0.493	34.888	27.988	11.57
270	0.477	0.465	34.889	27.990	11.35
280	0.430	0.418	34.890	27.994	10.95
290	0.395	0.382	34.891	27.997	10.68
300	0.351	0.339	34.892	28.000	10.32
310	0.314	0.301	34.895	28.005	9.87
320	0.277	0.263	34.895	28.007	9.66
330	0.248	0.234	34.896	28.009	9.44
340	0.203	0.189	34.896	28.012	9.13
350	0.174	0.160	34.896	28.014	8.94
360	0.143	0.129	34.897	28.016	8.71
370	0.115	0.100	34.897	28.018	8.51
380	0.096	0.080	34.897	28.019	8.39
390	0.082	0.066	34.897	28.020	8.29
400	0.072	0.056	34.897	28.020	8.26
410	0.039	0.023	34.898	28.023	7.98
420	0.011	-0.006	34.898	28.025	7.76
430	-0.023	-0.040	34.899	28.027	7.53
440	-0.041	-0.059	34.899	28.028	7.43
450	-0.072	-0.090	34.899	28.029	7.22

B91.585					
depth	temp	theta	salnty	sig_th	delta
460	-0.089	-0.107	34.899	28.030	7.09
470	-0.109	-0.128	34.899	28.032	6.94
480	-0.122	-0.141	34.900	28.033	6.84
490	-0.140	-0.159	34.900	28.034	6.67
500	-0.168	-0.188	34.901	28.036	6.46
510	-0.183	-0.203	34.901	28.037	6.35
520	-0.199	-0.220	34.901	28.038	6.24
530	-0.211	-0.231	34.901	28.039	6.14
540	-0.237	-0.258	34.902	28.040	5.92
550	-0.264	-0.285	34.902	28.042	5.70
560	-0.277	-0.299	34.902	28.043	5.61
570	-0.290	-0.312	34.903	28.044	5.50
580	-0.307	-0.330	34.903	28.045	5.32
590	-0.313	-0.336	34.903	28.045	5.31
600	-0.332	-0.355	34.904	28.047	5.12
610	-0.345	-0.369	34.904	28.048	5.01
620	-0.357	-0.382	34.904	28.048	4.92
630	-0.367	-0.391	34.904	28.049	4.85
640	-0.380	-0.404	34.905	28.050	4.70
650	-0.399	-0.424	34.905	28.051	4.52
660	-0.412	-0.437	34.905	28.052	4.45
670	-0.421	-0.447	34.905	28.052	4.39
680	-0.433	-0.459	34.905	28.053	4.30
690	-0.447	-0.474	34.905	28.054	4.17
700	-0.458	-0.485	34.905	28.054	4.10
710	-0.466	-0.494	34.906	28.055	3.99
720	-0.479	-0.507	34.905	28.055	3.91
730	-0.490	-0.519	34.906	28.057	3.75
740	-0.501	-0.529	34.907	28.058	3.65
750	-0.507	-0.537	34.907	28.058	3.58
760	-0.518	-0.547	34.907	28.059	3.46
770	-0.523	-0.553	34.906	28.058	3.48
780	-0.532	-0.562	34.907	28.059	3.38
790	-0.538	-0.569	34.908	28.060	3.27
800	-0.554	-0.585	34.908	28.061	3.12
810	-0.564	-0.595	34.908	28.062	3.01
820	-0.567	-0.599	34.908	28.062	3.01
830	-0.574	-0.606	34.908	28.062	2.93
840	-0.580	-0.613	34.908	28.063	2.84
850	-0.583	-0.616	34.908	28.063	2.82
860	-0.596	-0.629	34.909	28.064	2.64
870	-0.599	-0.633	34.909	28.064	2.61
880	-0.609	-0.643	34.909	28.065	2.52
890	-0.614	-0.648	34.909	28.065	2.48
900	-0.620	-0.655	34.910	28.066	2.40
910	-0.631	-0.667	34.910	28.066	2.28
920	-0.634	-0.671	34.910	28.066	2.24
930	-0.639	-0.676	34.910	28.067	2.17
940	-0.651	-0.688	34.910	28.068	2.06
950	-0.654	-0.692	34.910	28.068	2.02
960	-0.657	-0.695	34.911	28.068	1.95
970	-0.662	-0.701	34.910	28.068	1.93
980	-0.667	-0.706	34.910	28.068	1.88
990	-0.669	-0.708	34.911	28.069	1.81
1000	-0.676	-0.716	34.911	28.069	1.75

B91.585					
depth	temp	theta	salnty	sig_th	delta
1010	-0.683	-0.723	34.911	28.070	1.67
1020	-0.689	-0.729	34.911	28.070	1.63
1030	-0.698	-0.739	34.911	28.070	1.55
1040	-0.703	-0.744	34.910	28.070	1.50
1050	-0.713	-0.754	34.910	28.071	1.41
1060	-0.720	-0.762	34.911	28.071	1.33
1070	-0.724	-0.766	34.911	28.071	1.27
1080	-0.728	-0.771	34.911	28.072	1.21
1090	-0.733	-0.776	34.911	28.072	1.13
1100	-0.737	-0.781	34.912	28.073	1.05
1110	-0.744	-0.788	34.912	28.073	0.99
1120	-0.753	-0.798	34.912	28.074	0.83
1130	-0.760	-0.806	34.912	28.074	0.77

B91.586					
depth	temp	theta	salnty	sig_th	delta
5	4.804	4.803	34.089	26.976	107.13
10	4.839	4.839	34.119	26.995	105.37
15	5.008	5.007	34.609	27.364	70.43
20	4.684	4.682	34.651	27.435	63.76
25	4.575	4.573	34.670	27.462	61.27
30	4.507	4.505	34.713	27.504	57.40
35	4.124	4.122	34.707	27.540	53.96
40	3.798	3.795	34.728	27.591	49.17
45	3.522	3.519	34.760	27.644	44.16
50	3.196	3.193	34.788	27.698	39.07
55	2.558	2.554	34.825	27.785	30.78
60	2.160	2.156	34.830	27.823	27.16
65	2.025	2.021	34.829	27.833	26.19
70	1.871	1.868	34.836	27.851	24.52
75	1.706	1.703	34.840	27.866	23.04
80	1.641	1.637	34.839	27.871	22.62
85	1.509	1.505	34.836	27.878	21.94
90	1.262	1.257	34.833	27.894	20.43
95	1.226	1.222	34.835	27.898	20.02
100	1.203	1.198	34.842	27.905	19.37
110	1.194	1.189	34.852	27.914	18.58
120	1.208	1.203	34.861	27.920	18.03
130	1.126	1.120	34.862	27.927	17.38
140	1.061	1.055	34.864	27.933	16.84
150	1.021	1.014	34.866	27.937	16.45
160	0.938	0.931	34.870	27.946	15.59
170	0.837	0.830	34.876	27.957	14.53
180	0.791	0.783	34.878	27.961	14.11
190	0.777	0.768	34.878	27.962	14.04
200	0.739	0.730	34.880	27.966	13.66
210	0.720	0.711	34.881	27.969	13.45
220	0.702	0.692	34.882	27.971	13.25
230	0.665	0.655	34.884	27.975	12.87
240	0.608	0.597	34.886	27.980	12.38
250	0.556	0.545	34.888	27.985	11.91
260	0.496	0.485	34.892	27.991	11.23
270	0.447	0.435	34.892	27.995	10.91
280	0.407	0.395	34.892	27.997	10.65
290	0.390	0.377	34.892	27.998	10.56
300	0.360	0.348	34.893	28.000	10.33
310	0.326	0.313	34.893	28.003	10.11
320	0.306	0.293	34.895	28.005	9.85
330	0.276	0.262	34.895	28.007	9.65
340	0.250	0.236	34.896	28.009	9.46
350	0.242	0.228	34.895	28.009	9.43
360	0.223	0.208	34.896	28.011	9.26
370	0.192	0.177	34.896	28.013	9.05
380	0.147	0.131	34.897	28.016	8.72
390	0.116	0.101	34.898	28.018	8.49
400	0.101	0.085	34.898	28.019	8.39
410	0.080	0.063	34.898	28.020	8.24
420	0.073	0.056	34.899	28.021	8.15
430	0.059	0.042	34.898	28.022	8.12
440	0.052	0.034	34.898	28.022	8.02
450	0.048	0.030	34.898	28.022	8.02

B91.586					
depth	temp	theta	salnty	sig_th	delta
460	0.040	0.021	34.899	28.023	7.92
470	0.021	0.002	34.899	28.024	7.80
480	0.008	-0.012	34.899	28.025	7.69
490	0.004	-0.016	34.899	28.026	7.68
500	-0.003	-0.023	34.899	28.026	7.65
510	-0.009	-0.030	34.899	28.026	7.58
520	-0.026	-0.047	34.900	28.028	7.41
530	-0.043	-0.064	34.899	28.028	7.37
540	-0.067	-0.089	34.900	28.030	7.12
550	-0.082	-0.104	34.900	28.031	7.00
560	-0.092	-0.114	34.900	28.032	6.93
570	-0.096	-0.119	34.900	28.032	6.89
580	-0.107	-0.131	34.900	28.033	6.81
590	-0.113	-0.137	34.900	28.033	6.80
600	-0.113	-0.137	34.900	28.033	6.77
610	-0.119	-0.144	34.900	28.034	6.72
620	-0.129	-0.154	34.901	28.034	6.64
630	-0.143	-0.169	34.901	28.035	6.51
640	-0.148	-0.174	34.901	28.036	6.48

B91.591					
depth	temp	theta	salnty	sig_th	delta
5	5.198	5.198	33.879	26.764	127.22
10	5.020	5.019	33.910	26.809	122.96
15	5.058	5.056	33.954	26.840	120.13
20	5.021	5.020	33.969	26.856	118.66
25	3.932	3.930	34.149	27.117	93.95
30	1.291	1.290	34.705	27.789	30.15
35	1.188	1.187	34.682	27.777	31.25
40	0.790	0.789	34.713	27.829	26.34
45	0.634	0.632	34.718	27.843	25.03
50	0.178	0.176	34.739	27.886	20.88
55	-0.043	-0.045	34.740	27.899	19.63
60	-0.245	-0.247	34.761	27.926	17.02
65	-0.327	-0.329	34.768	27.935	16.10
70	-0.321	-0.324	34.771	27.938	15.86
75	-0.310	-0.313	34.776	27.941	15.54
80	-0.301	-0.304	34.783	27.947	15.02
85	-0.289	-0.292	34.783	27.946	15.05
90	-0.264	-0.267	34.794	27.954	14.36
95	-0.263	-0.266	34.798	27.957	14.07
100	-0.251	-0.254	34.804	27.961	13.65
110	-0.246	-0.250	34.809	27.965	13.31
120	-0.229	-0.234	34.811	27.966	13.20
130	-0.169	-0.174	34.821	27.971	12.73
140	-0.164	-0.169	34.817	27.967	13.08
150	-0.190	-0.195	34.829	27.978	12.02
160	-0.160	-0.166	34.836	27.983	11.62
170	-0.121	-0.127	34.840	27.984	11.55
180	-0.090	-0.096	34.845	27.987	11.27
190	0.003	-0.004	34.857	27.991	10.92
200	0.019	0.012	34.865	27.997	10.39
210	0.010	0.002	34.863	27.995	10.49
220	0.038	0.029	34.867	27.998	10.31
230	0.062	0.053	34.870	27.998	10.28
240	0.137	0.128	34.881	28.003	9.88
250	0.144	0.134	34.884	28.006	9.63
260	0.141	0.131	34.889	28.010	9.25
270	0.133	0.123	34.892	28.012	9.02
280	0.124	0.113	34.893	28.014	8.86
290	0.107	0.096	34.895	28.016	8.64
300	0.096	0.084	34.895	28.017	8.52
310	0.083	0.071	34.896	28.018	8.43
320	0.077	0.065	34.896	28.019	8.36
330	0.061	0.048	34.897	28.020	8.22
340	0.041	0.027	34.897	28.022	8.04
350	0.022	0.008	34.898	28.023	7.91
360	0.009	-0.005	34.898	28.024	7.80
370	-0.004	-0.018	34.898	28.025	7.70
380	-0.041	-0.056	34.899	28.027	7.44
390	-0.050	-0.065	34.899	28.028	7.36
400	-0.071	-0.087	34.899	28.030	7.20
410	-0.089	-0.105	34.900	28.031	7.07
420	-0.103	-0.120	34.900	28.032	6.97
430	-0.117	-0.134	34.900	28.033	6.86
440	-0.161	-0.179	34.901	28.036	6.52
450	-0.189	-0.207	34.902	28.038	6.28

B91.591					
depth	temp	theta	salnty	sig_th	delta
460	-0.215	-0.233	34.902	28.039	6.09
470	-0.227	-0.245	34.902	28.040	5.98
480	-0.234	-0.253	34.902	28.041	5.93
490	-0.251	-0.270	34.903	28.042	5.81
500	-0.261	-0.280	34.903	28.043	5.71
510	-0.271	-0.291	34.903	28.043	5.62
520	-0.279	-0.299	34.903	28.043	5.58
530	-0.287	-0.308	34.903	28.044	5.50
540	-0.293	-0.314	34.903	28.044	5.45
550	-0.298	-0.320	34.903	28.045	5.40
560	-0.303	-0.325	34.904	28.045	5.35
570	-0.321	-0.343	34.904	28.047	5.18
580	-0.327	-0.349	34.905	28.048	5.07
590	-0.360	-0.382	34.906	28.050	4.80
600	-0.366	-0.389	34.905	28.050	4.80
610	-0.385	-0.408	34.906	28.051	4.63
620	-0.403	-0.427	34.906	28.052	4.45
630	-0.408	-0.432	34.906	28.053	4.40
640	-0.411	-0.436	34.906	28.053	4.37
650	-0.415	-0.440	34.906	28.053	4.35
660	-0.434	-0.460	34.907	28.055	4.14
670	-0.445	-0.471	34.908	28.056	4.03
680	-0.455	-0.481	34.908	28.057	3.89
690	-0.461	-0.487	34.908	28.056	3.89
700	-0.465	-0.492	34.908	28.057	3.83
710	-0.473	-0.500	34.908	28.057	3.76
720	-0.484	-0.512	34.909	28.059	3.62
730	-0.495	-0.523	34.909	28.059	3.50
740	-0.498	-0.527	34.909	28.059	3.49
750	-0.499	-0.529	34.910	28.060	3.41
760	-0.505	-0.535	34.910	28.060	3.37
770	-0.508	-0.539	34.910	28.060	3.33
780	-0.512	-0.542	34.909	28.060	3.32
790	-0.514	-0.545	34.910	28.061	3.25
800	-0.517	-0.549	34.910	28.061	3.21
810	-0.519	-0.550	34.910	28.061	3.17
820	-0.519	-0.551	34.910	28.061	3.16
830	-0.520	-0.553	34.910	28.061	3.13
840	-0.522	-0.555	34.911	28.062	3.07
850	-0.527	-0.561	34.910	28.062	3.03
860	-0.529	-0.563	34.911	28.062	2.99
870	-0.530	-0.565	34.910	28.062	2.98
880	-0.532	-0.567	34.911	28.062	2.94
890	-0.540	-0.575	34.911	28.063	2.85
900	-0.545	-0.581	34.911	28.064	2.78
910	-0.543	-0.579	34.911	28.063	2.80
920	-0.551	-0.588	34.911	28.064	2.69
930	-0.558	-0.596	34.910	28.063	2.73
940	-0.566	-0.603	34.912	28.065	2.53
950	-0.567	-0.605	34.912	28.065	2.52

B91.592					
depth	temp	theta	salnty	sig_th	delta
5	5.033	5.033	33.682	26.627	140.21
10	4.868	4.867	33.697	26.657	137.41
15	4.874	4.873	33.749	26.698	133.62
20	5.123	5.121	33.964	26.840	120.14
25	4.551	4.549	34.237	27.121	93.59
30	2.881	2.879	34.620	27.593	48.82
35	2.265	2.263	34.702	27.712	37.54
40	0.946	0.944	34.644	27.763	32.59
45	0.682	0.680	34.643	27.779	31.01
50	0.279	0.277	34.634	27.796	29.39
55	0.546	0.544	34.680	27.817	27.44
60	0.800	0.797	34.716	27.830	26.25
65	0.589	0.586	34.741	27.864	23.07
70	0.552	0.549	34.747	27.871	22.39
75	0.527	0.524	34.766	27.888	20.76
80	0.216	0.213	34.770	27.909	18.73
85	0.210	0.207	34.783	27.920	17.68
90	0.204	0.201	34.787	27.924	17.33
95	0.228	0.224	34.795	27.929	16.88
100	0.358	0.354	34.809	27.932	16.55
110	0.377	0.373	34.821	27.941	15.76
120	0.378	0.373	34.829	27.947	15.16
130	0.366	0.361	34.835	27.953	14.62
140	0.360	0.354	34.842	27.959	14.11
150	0.198	0.192	34.835	27.963	13.64
160	0.168	0.162	34.837	27.966	13.35
170	0.118	0.111	34.836	27.968	13.12
180	0.194	0.186	34.844	27.970	12.95
190	0.153	0.145	34.849	27.976	12.37
200	0.172	0.164	34.852	27.978	12.21
210	0.211	0.203	34.859	27.981	11.93
220	0.279	0.270	34.867	27.984	11.76
230	0.351	0.341	34.876	27.987	11.48
240	0.387	0.377	34.883	27.991	11.20
250	0.380	0.370	34.885	27.993	10.98
260	0.348	0.337	34.887	27.996	10.69
270	0.322	0.311	34.887	27.998	10.50
280	0.268	0.257	34.887	28.001	10.22
290	0.228	0.216	34.886	28.003	10.00
300	0.226	0.214	34.888	28.004	9.88
310	0.204	0.191	34.890	28.007	9.62
320	0.175	0.162	34.890	28.008	9.43
330	0.168	0.155	34.891	28.010	9.31
340	0.154	0.141	34.893	28.012	9.07
350	0.140	0.126	34.893	28.013	8.95
360	0.119	0.104	34.895	28.016	8.70
370	0.112	0.097	34.895	28.016	8.65
380	0.096	0.081	34.896	28.018	8.48
390	0.083	0.068	34.897	28.019	8.35
400	0.066	0.050	34.897	28.021	8.20
410	0.040	0.023	34.898	28.023	7.96
420	0.027	0.010	34.899	28.024	7.85
430	0.007	-0.010	34.899	28.026	7.67
440	-0.006	-0.024	34.899	28.026	7.63
450	-0.025	-0.043	34.899	28.027	7.48

B91.592					
depth	temp	theta	salnty	sig_th	delta
460	-0.053	-0.072	34.900	28.029	7.25
470	-0.081	-0.099	34.900	28.031	7.06
480	-0.091	-0.111	34.900	28.032	6.98
490	-0.110	-0.129	34.901	28.033	6.80
500	-0.126	-0.145	34.901	28.034	6.72
510	-0.150	-0.170	34.901	28.035	6.53
520	-0.166	-0.186	34.901	28.036	6.41
530	-0.174	-0.195	34.902	28.037	6.31
540	-0.190	-0.212	34.902	28.038	6.17
550	-0.207	-0.229	34.903	28.040	6.03
560	-0.218	-0.240	34.903	28.041	5.90
570	-0.232	-0.254	34.903	28.041	5.82
580	-0.250	-0.273	34.904	28.043	5.64
590	-0.263	-0.286	34.904	28.043	5.57
600	-0.280	-0.303	34.904	28.045	5.42
610	-0.284	-0.308	34.904	28.045	5.40
620	-0.300	-0.325	34.904	28.046	5.25
630	-0.316	-0.340	34.905	28.047	5.11
640	-0.340	-0.365	34.905	28.049	4.91
650	-0.345	-0.371	34.905	28.049	4.89
660	-0.366	-0.392	34.906	28.051	4.65
670	-0.377	-0.404	34.906	28.051	4.57
680	-0.386	-0.413	34.908	28.053	4.37
690	-0.396	-0.423	34.907	28.053	4.33
700	-0.409	-0.436	34.907	28.053	4.28
710	-0.420	-0.448	34.907	28.054	4.18
720	-0.423	-0.451	34.907	28.054	4.13
730	-0.435	-0.463	34.909	28.056	3.94
740	-0.443	-0.472	34.908	28.056	3.89
750	-0.453	-0.483	34.908	28.057	3.81
760	-0.468	-0.498	34.909	28.058	3.67
770	-0.472	-0.502	34.909	28.058	3.64
780	-0.476	-0.507	34.909	28.058	3.58
790	-0.481	-0.512	34.909	28.059	3.50
800	-0.486	-0.517	34.910	28.060	3.43
810	-0.491	-0.523	34.909	28.059	3.42
820	-0.499	-0.531	34.910	28.060	3.33
830	-0.501	-0.534	34.910	28.060	3.29
840	-0.506	-0.539	34.908	28.059	3.33
850	-0.511	-0.545	34.910	28.061	3.15
860	-0.518	-0.552	34.910	28.061	3.10
870	-0.527	-0.562	34.911	28.062	2.97
880	-0.533	-0.568	34.911	28.063	2.92
890	-0.539	-0.574	34.911	28.063	2.86
900	-0.542	-0.578	34.911	28.063	2.80
910	-0.553	-0.589	34.911	28.064	2.69
920	-0.556	-0.593	34.911	28.064	2.65
930	-0.560	-0.597	34.911	28.064	2.62
940	-0.567	-0.604	34.912	28.065	2.52
950	-0.568	-0.606	34.912	28.065	2.50
960	-0.570	-0.608	34.912	28.065	2.48
970	-0.580	-0.619	34.912	28.066	2.35
980	-0.582	-0.621	34.912	28.066	2.36
990	-0.587	-0.627	34.912	28.067	2.26
1000	-0.590	-0.631	34.912	28.067	2.22

B91.592					
depth	temp	theta	salnty	sig_th	delta
1010	-0.598	-0.638	34.913	28.067	2.14
1020	-0.603	-0.645	34.913	28.068	2.06
1030	-0.607	-0.648	34.913	28.068	2.04
1040	-0.614	-0.656	34.913	28.068	1.93
1050	-0.619	-0.661	34.913	28.069	1.85
1060	-0.623	-0.666	34.913	28.069	1.81
1070	-0.631	-0.674	34.914	28.070	1.70
1080	-0.633	-0.677	34.913	28.070	1.70
1090	-0.637	-0.682	34.914	28.070	1.61
1100	-0.642	-0.687	34.914	28.071	1.55
1110	-0.646	-0.691	34.914	28.071	1.52
1120	-0.648	-0.694	34.914	28.071	1.47
1130	-0.649	-0.695	34.914	28.071	1.44
1140	-0.650	-0.697	34.914	28.071	1.41
1150	-0.650	-0.697	34.914	28.071	1.42
1160	-0.651	-0.699	34.914	28.071	1.37
1170	-0.651	-0.700	34.914	28.071	1.36
1180	-0.653	-0.702	34.914	28.071	1.33
1190	-0.654	-0.704	34.914	28.072	1.28
1200	-0.655	-0.705	34.914	28.072	1.26
1210	-0.657	-0.707	34.914	28.072	1.24
1220	-0.657	-0.708	34.914	28.072	1.21
1230	-0.657	-0.709	34.914	28.072	1.18
1240	-0.658	-0.710	34.914	28.072	1.16
1250	-0.660	-0.712	34.915	28.072	1.12
1260	-0.662	-0.715	34.915	28.072	1.08

B91.593					
depth	temp	theta	salnty	sig_th	delta
5	4.314	4.314	32.280	25.592	238.53
10	4.316	4.315	32.286	25.597	238.09
15	4.276	4.275	32.283	25.598	237.98
20	3.261	3.260	32.991	26.259	175.22
25	1.857	1.856	34.044	27.217	84.29
30	0.540	0.539	34.221	27.447	62.40
35	0.257	0.255	34.327	27.549	52.71
40	0.343	0.342	34.383	27.590	48.89
45	0.277	0.275	34.432	27.633	44.82
50	0.132	0.130	34.454	27.659	42.34
55	0.109	0.107	34.474	27.676	40.69
60	-0.078	-0.080	34.513	27.717	36.79
65	-0.448	-0.450	34.539	27.756	33.02
70	-0.338	-0.340	34.559	27.767	32.01
75	-0.574	-0.576	34.593	27.806	28.28
80	-0.340	-0.342	34.607	27.806	28.31
85	0.069	0.066	34.659	27.827	26.39
90	0.169	0.165	34.682	27.840	25.19
95	0.420	0.417	34.717	27.854	23.95
100	0.960	0.955	34.771	27.864	23.15
110	1.614	1.609	34.865	27.894	20.57
120	1.818	1.812	34.906	27.911	19.05
130	1.844	1.838	34.917	27.918	18.46
140	1.744	1.737	34.919	27.927	17.60
150	1.633	1.625	34.916	27.933	17.04
160	1.665	1.656	34.924	27.937	16.72
170	1.739	1.730	34.934	27.940	16.52
180	1.859	1.849	34.953	27.946	16.08
190	1.695	1.685	34.945	27.952	15.46
200	1.686	1.675	34.943	27.951	15.59
210	1.566	1.555	34.940	27.958	14.95
220	1.500	1.489	34.936	27.960	14.78
230	1.476	1.464	34.934	27.960	14.76
240	1.375	1.363	34.928	27.962	14.53
250	1.287	1.275	34.923	27.965	14.29
260	1.209	1.196	34.919	27.967	14.07
270	1.111	1.098	34.914	27.970	13.77
280	1.053	1.040	34.911	27.971	13.62
290	0.949	0.936	34.905	27.973	13.35
300	0.845	0.831	34.898	27.975	13.17
310	0.787	0.773	34.896	27.977	12.95
320	0.746	0.731	34.894	27.978	12.83
330	0.706	0.691	34.892	27.979	12.72
340	0.690	0.675	34.893	27.981	12.56
350	0.712	0.696	34.899	27.984	12.29
360	0.735	0.718	34.901	27.985	12.25
370	0.710	0.693	34.903	27.988	11.96
380	0.693	0.675	34.905	27.991	11.69
390	0.673	0.656	34.906	27.992	11.56
400	0.627	0.609	34.905	27.994	11.33
410	0.559	0.541	34.900	27.994	11.24
420	0.549	0.530	34.898	27.993	11.33
430	0.486	0.467	34.898	27.997	10.90
440	0.479	0.460	34.899	27.999	10.79
450	0.433	0.413	34.898	28.001	10.54

B91.593					
depth	temp	theta	salnty	sig_th	delta
460	0.405	0.385	34.897	28.002	10.43
470	0.458	0.437	34.902	28.002	10.48
480	0.417	0.396	34.900	28.003	10.32
490	0.342	0.321	34.896	28.004	10.14
500	0.350	0.328	34.899	28.006	9.98
510	0.336	0.314	34.898	28.006	9.98
520	0.285	0.262	34.897	28.008	9.70
530	0.247	0.224	34.896	28.010	9.54
540	0.247	0.224	34.896	28.010	9.49
550	0.250	0.226	34.900	28.013	9.26
560	0.175	0.151	34.895	28.014	9.08
570	0.204	0.179	34.899	28.015	9.01
580	0.155	0.130	34.897	28.016	8.84
590	0.098	0.073	34.893	28.016	8.72
600	0.053	0.028	34.892	28.018	8.51
610	0.004	-0.021	34.890	28.019	8.32
620	-0.015	-0.041	34.889	28.019	8.28
630	-0.044	-0.070	34.890	28.021	8.04
640	-0.034	-0.060	34.894	28.024	7.81
650	-0.048	-0.075	34.894	28.025	7.67
660	-0.058	-0.086	34.895	28.026	7.53
670	-0.122	-0.149	34.892	28.027	7.29
680	-0.180	-0.207	34.888	28.027	7.20
690	-0.163	-0.192	34.891	28.028	7.10
700	-0.177	-0.206	34.891	28.029	7.00
710	-0.191	-0.220	34.893	28.031	6.78
720	-0.181	-0.211	34.895	28.033	6.64
730	-0.179	-0.209	34.897	28.034	6.52
740	-0.200	-0.231	34.897	28.036	6.34
750	-0.214	-0.245	34.898	28.037	6.17
760	-0.213	-0.244	34.899	28.037	6.14
770	-0.225	-0.257	34.900	28.039	5.91
780	-0.255	-0.287	34.900	28.040	5.77
790	-0.265	-0.298	34.900	28.041	5.64
800	-0.278	-0.311	34.900	28.042	5.54
810	-0.295	-0.329	34.901	28.043	5.35
820	-0.294	-0.328	34.902	28.044	5.25
830	-0.305	-0.339	34.903	28.045	5.16
840	-0.320	-0.354	34.903	28.046	5.04
850	-0.329	-0.364	34.903	28.046	4.97
860	-0.331	-0.367	34.904	28.047	4.86
870	-0.333	-0.369	34.905	28.048	4.77
880	-0.344	-0.381	34.905	28.049	4.66
890	-0.354	-0.391	34.905	28.049	4.59
900	-0.367	-0.404	34.905	28.050	4.45
910	-0.372	-0.410	34.905	28.051	4.41
920	-0.388	-0.426	34.905	28.051	4.29
930	-0.398	-0.436	34.906	28.053	4.12
940	-0.411	-0.450	34.907	28.054	3.99
950	-0.418	-0.458	34.907	28.054	3.93
960	-0.430	-0.469	34.907	28.055	3.78
970	-0.440	-0.480	34.907	28.056	3.71
980	-0.449	-0.489	34.908	28.057	3.59
990	-0.454	-0.495	34.908	28.057	3.53
1000	-0.462	-0.503	34.908	28.058	3.43

B91.593					
depth	temp	theta	salnty	sig_th	delta
1010	-0.472	-0.514	34.909	28.059	3.31
1020	-0.480	-0.522	34.909	28.059	3.21
1030	-0.484	-0.527	34.909	28.059	3.17
1040	-0.494	-0.537	34.910	28.060	3.03
1050	-0.500	-0.544	34.910	28.061	2.96
1060	-0.506	-0.550	34.910	28.061	2.91
1070	-0.513	-0.558	34.910	28.062	2.83
1080	-0.529	-0.574	34.911	28.063	2.63
1090	-0.533	-0.578	34.911	28.063	2.59
1100	-0.537	-0.583	34.912	28.064	2.51
1110	-0.542	-0.589	34.911	28.064	2.48
1120	-0.551	-0.598	34.912	28.065	2.35
1130	-0.556	-0.603	34.912	28.065	2.29
1140	-0.558	-0.606	34.912	28.065	2.25
1150	-0.565	-0.613	34.913	28.066	2.14
1160	-0.567	-0.616	34.913	28.067	2.08
1170	-0.570	-0.619	34.913	28.067	2.03
1180	-0.578	-0.628	34.914	28.068	1.92
1190	-0.589	-0.639	34.914	28.068	1.83
1200	-0.594	-0.645	34.913	28.068	1.79
1210	-0.601	-0.652	34.914	28.069	1.68
1220	-0.607	-0.659	34.914	28.069	1.60
1230	-0.614	-0.666	34.914	28.070	1.54
1240	-0.616	-0.669	34.914	28.070	1.50
1250	-0.621	-0.674	34.914	28.070	1.45
1260	-0.625	-0.678	34.914	28.071	1.37
1270	-0.629	-0.683	34.915	28.071	1.31
1280	-0.637	-0.692	34.915	28.072	1.21
1290	-0.643	-0.698	34.915	28.072	1.16
1300	-0.647	-0.702	34.914	28.072	1.14
1310	-0.654	-0.710	34.914	28.072	1.06
1320	-0.660	-0.717	34.915	28.072	0.97
1330	-0.664	-0.721	34.915	28.073	0.93
1340	-0.666	-0.723	34.915	28.073	0.89
1350	-0.669	-0.727	34.915	28.073	0.83
1360	-0.674	-0.732	34.915	28.074	0.76
1370	-0.681	-0.740	34.915	28.074	0.66
1380	-0.687	-0.746	34.916	28.074	0.59
1390	-0.691	-0.751	34.916	28.075	0.54
1400	-0.694	-0.754	34.915	28.075	0.51
1410	-0.698	-0.758	34.916	28.075	0.44
1420	-0.698	-0.759	34.916	28.075	0.43
1430	-0.701	-0.763	34.916	28.075	0.37
1440	-0.708	-0.770	34.916	28.076	0.31
1450	-0.710	-0.773	34.916	28.076	0.26
1460	-0.713	-0.776	34.916	28.076	0.22
1470	-0.719	-0.783	34.916	28.076	0.15
1480	-0.719	-0.784	34.916	28.076	0.12
1490	-0.724	-0.789	34.916	28.076	0.08
1500	-0.725	-0.791	34.916	28.077	0.03
1510	-0.731	-0.797	34.916	28.077	-0.07
1520	-0.735	-0.802	34.916	28.077	-0.11
1530	-0.737	-0.804	34.916	28.078	-0.15
1540	-0.740	-0.808	34.916	28.078	-0.21
1550	-0.745	-0.813	34.917	28.078	-0.28

B91.593					
depth	temp	theta	salnty	sig_th	delta
1560	-0.753	-0.822	34.917	28.078	-0.36
1570	-0.758	-0.827	34.917	28.079	-0.43
1580	-0.772	-0.842	34.917	28.080	-0.58
1590	-0.781	-0.851	34.916	28.080	-0.64
1600	-0.785	-0.856	34.916	28.079	-0.67
1610	-0.786	-0.857	34.916	28.080	-0.70
1620	-0.785	-0.857	34.916	28.080	-0.73
1630	-0.785	-0.857	34.916	28.080	-0.73

B91.594					
depth	temp	theta	salnty	sig_th	delta
5	0.613	0.613	29.576	23.705	418.17
10	0.291	0.291	29.814	23.910	398.58
15	-0.265	-0.265	32.259	25.905	208.61
20	-1.253	-1.253	32.573	26.194	181.09
25	-1.603	-1.603	32.763	26.358	165.50
30	-1.627	-1.627	32.856	26.434	158.26
35	-1.629	-1.629	32.979	26.534	148.73
40	-1.700	-1.701	33.089	26.625	140.07
45	-1.648	-1.649	33.211	26.723	130.75
50	-1.646	-1.647	33.308	26.801	123.27
55	-1.611	-1.612	33.445	26.912	112.73
60	-1.539	-1.540	33.590	27.028	101.77
65	-1.546	-1.548	33.674	27.096	95.23
70	-1.540	-1.542	33.736	27.146	90.46
75	-1.536	-1.538	33.772	27.175	87.72
80	-1.545	-1.547	33.865	27.251	80.47
85	-1.493	-1.495	33.931	27.303	75.54
90	-1.503	-1.505	34.009	27.367	69.50
95	-1.413	-1.415	34.085	27.426	63.91
100	-1.450	-1.452	34.135	27.468	59.92
110	-1.411	-1.413	34.182	27.505	56.38
120	-1.205	-1.208	34.249	27.552	51.91
130	-1.063	-1.066	34.281	27.573	49.95
140	-0.471	-0.475	34.406	27.650	42.93
150	-0.098	-0.104	34.493	27.703	38.09
160	0.279	0.272	34.585	27.756	33.19
170	0.842	0.834	34.684	27.802	29.12
180	1.361	1.352	34.780	27.844	25.45
190	1.714	1.704	34.850	27.875	22.78
200	1.970	1.959	34.897	27.892	21.33
210	2.095	2.083	34.926	27.906	20.17
220	2.183	2.171	34.943	27.912	19.68
230	2.295	2.281	34.963	27.919	19.16
240	2.341	2.327	34.974	27.924	18.79
250	2.349	2.335	34.980	27.928	18.50
260	2.368	2.353	34.985	27.931	18.28
270	2.333	2.318	34.987	27.935	17.89
280	2.298	2.282	34.985	27.937	17.82
290	2.163	2.147	34.975	27.940	17.44
300	2.056	2.039	34.967	27.942	17.23
310	1.987	1.970	34.964	27.945	16.91
320	1.957	1.939	34.964	27.948	16.74
330	1.875	1.857	34.960	27.951	16.42
340	1.520	1.503	34.929	27.953	15.89
350	1.537	1.519	34.932	27.955	15.84
360	1.303	1.285	34.917	27.959	15.25
370	1.339	1.320	34.923	27.962	15.04
380	1.257	1.238	34.919	27.964	14.75
390	1.198	1.179	34.917	27.967	14.50
400	0.916	0.897	34.899	27.971	13.81
410	0.832	0.813	34.893	27.972	13.67
420	0.849	0.830	34.898	27.975	13.46
430	0.830	0.809	34.898	27.976	13.28
440	0.775	0.755	34.896	27.978	13.08
450	0.739	0.718	34.896	27.980	12.85

B91.594					
depth	temp	theta	salnty	sig_th	delta
460	0.686	0.665	34.894	27.982	12.65
470	0.637	0.616	34.893	27.984	12.42
480	0.573	0.551	34.892	27.988	12.00
490	0.556	0.534	34.893	27.990	11.81
500	0.598	0.575	34.900	27.993	11.60
510	0.599	0.576	34.902	27.994	11.53
520	0.593	0.569	34.902	27.995	11.45
530	0.579	0.555	34.903	27.996	11.30
540	0.565	0.540	34.904	27.997	11.17
550	0.537	0.512	34.904	28.000	10.94
560	0.514	0.489	34.904	28.001	10.76
570	0.507	0.482	34.904	28.001	10.79
580	0.481	0.455	34.905	28.004	10.50
590	0.453	0.426	34.905	28.005	10.35
600	0.432	0.405	34.904	28.006	10.23
610	0.421	0.393	34.904	28.007	10.18
620	0.368	0.341	34.902	28.008	9.92
630	0.270	0.242	34.898	28.010	9.58
640	0.274	0.245	34.900	28.012	9.47
650	0.153	0.125	34.896	28.016	8.86
660	0.118	0.090	34.893	28.015	8.88
670	0.039	0.010	34.895	28.021	8.16
680	0.027	-0.002	34.894	28.021	8.16
690	0.015	-0.015	34.894	28.022	8.09
700	-0.003	-0.032	34.895	28.023	7.88
710	-0.028	-0.058	34.895	28.025	7.71
720	-0.071	-0.101	34.894	28.026	7.50
730	-0.077	-0.108	34.895	28.027	7.39
740	-0.113	-0.144	34.893	28.028	7.25
750	-0.141	-0.173	34.892	28.028	7.12
760	-0.167	-0.198	34.893	28.030	6.88
770	-0.171	-0.203	34.894	28.032	6.75
780	-0.186	-0.218	34.894	28.032	6.65
790	-0.186	-0.219	34.894	28.032	6.66
800	-0.197	-0.230	34.895	28.033	6.54
810	-0.229	-0.262	34.895	28.035	6.30
820	-0.233	-0.267	34.895	28.036	6.21
830	-0.237	-0.272	34.895	28.036	6.17
840	-0.246	-0.281	34.896	28.037	6.03

B91.595					
depth	temp	theta	salnty	sig_th	delta
5	3.010	3.010	30.282	24.120	378.62
10	2.913	2.913	30.378	24.205	370.55
15	-0.596	-0.596	32.342	25.985	201.01
20	-1.191	-1.191	32.450	26.093	190.70
25	-1.471	-1.472	32.506	26.146	185.65
30	-1.518	-1.519	32.576	26.204	180.07
35	-1.613	-1.614	32.619	26.241	176.52
40	-1.654	-1.654	32.684	26.295	171.38
45	-1.662	-1.663	32.764	26.360	165.16
50	-1.682	-1.683	32.834	26.417	159.70
55	-1.700	-1.701	32.922	26.489	152.79
60	-1.684	-1.685	33.029	26.575	144.59
65	-1.675	-1.677	33.118	26.648	137.66
70	-1.672	-1.673	33.234	26.742	128.69
75	-1.657	-1.658	33.320	26.812	122.11
80	-1.651	-1.653	33.421	26.894	114.31
85	-1.619	-1.620	33.510	26.965	107.53
90	-1.604	-1.606	33.600	27.038	100.62
95	-1.594	-1.596	33.674	27.098	94.89
100	-1.564	-1.566	33.759	27.166	88.41
110	-1.508	-1.510	33.893	27.273	78.22
120	-1.523	-1.526	34.018	27.375	68.56
130	-1.521	-1.524	34.064	27.412	64.96
140	-1.505	-1.508	34.120	27.457	60.66
150	-1.422	-1.425	34.170	27.496	57.05
160	-1.298	-1.302	34.230	27.540	52.87
170	-1.254	-1.258	34.277	27.576	49.40
180	-0.943	-0.948	34.356	27.630	44.48
190	-0.660	-0.667	34.420	27.669	40.87
200	-0.431	-0.438	34.469	27.699	38.15
210	-0.087	-0.095	34.544	27.743	34.20
220	0.391	0.382	34.653	27.805	28.67
230	0.854	0.843	34.779	27.878	22.14
240	0.856	0.845	34.781	27.880	21.98
250	0.859	0.847	34.783	27.881	21.86
260	0.859	0.847	34.783	27.881	21.85

B91.596					
depth	temp	theta	salnty	sig_th	delta
5	3.337	3.337	29.801	23.710	417.70
10	3.159	3.158	29.931	23.829	406.39
15	2.576	2.575	30.464	24.299	361.56
20	1.315	1.314	31.180	24.956	298.87
25	-0.437	-0.438	32.136	25.813	217.32
30	-1.087	-1.087	32.396	26.046	195.11
35	-1.352	-1.353	32.488	26.128	187.23
40	-1.556	-1.556	32.564	26.195	180.81
45	-1.609	-1.610	32.644	26.261	174.55
50	-1.645	-1.645	32.731	26.333	167.66
55	-1.691	-1.692	32.852	26.432	158.24
60	-1.689	-1.690	32.949	26.511	150.69
65	-1.645	-1.646	33.024	26.570	145.04
70	-1.608	-1.609	33.135	26.660	136.49
75	-1.603	-1.604	33.195	26.709	131.83
80	-1.599	-1.600	33.272	26.771	125.89
85	-1.604	-1.605	33.363	26.845	118.90
90	-1.571	-1.573	33.447	26.913	112.46
95	-1.583	-1.585	33.547	26.994	104.75
100	-1.592	-1.594	33.654	27.081	96.42
110	-1.500	-1.502	33.828	27.220	83.24
120	-1.503	-1.506	33.980	27.344	71.54
130	-1.457	-1.461	34.103	27.442	62.19
140	-1.438	-1.441	34.148	27.478	58.74
150	-1.418	-1.422	34.179	27.503	56.36
160	-1.408	-1.412	34.205	27.523	54.40
170	-1.229	-1.234	34.272	27.572	49.87
180	-1.087	-1.092	34.318	27.604	46.81
190	-0.741	-0.747	34.394	27.652	42.48
200	-0.620	-0.626	34.425	27.672	40.59
210	-0.337	-0.344	34.491	27.713	36.94
220	-0.041	-0.049	34.560	27.754	33.24
230	0.212	0.203	34.625	27.793	29.72
240	0.608	0.598	34.704	27.833	26.18
250	0.871	0.859	34.763	27.864	23.48
260	1.075	1.063	34.801	27.881	22.03
270	1.216	1.202	34.829	27.894	20.96
280	1.272	1.258	34.854	27.911	19.47
290	1.331	1.317	34.877	27.925	18.21
300	1.258	1.243	34.879	27.932	17.52
310	1.201	1.186	34.885	27.940	16.74
320	1.188	1.172	34.892	27.947	16.15
330	1.158	1.142	34.897	27.953	15.57
340	1.102	1.085	34.898	27.958	15.06
350	1.047	1.030	34.899	27.962	14.67
360	0.981	0.963	34.897	27.965	14.37
370	0.964	0.946	34.897	27.967	14.22

B91.597					
depth	temp	theta	salnty	sig_th	delta
5	4.329	4.328	26.434	20.952	681.58
10	3.626	3.625	28.678	22.793	505.26
15	3.521	3.521	29.029	23.080	477.83
20	2.816	2.815	30.224	24.089	381.56
25	2.590	2.589	30.427	24.268	364.46
30	1.025	1.024	31.265	25.041	290.75
35	-0.961	-0.962	32.370	26.020	197.51
40	-1.301	-1.302	32.461	26.105	189.40
45	-1.428	-1.429	32.497	26.137	186.28
50	-1.544	-1.545	32.553	26.186	181.62
55	-1.626	-1.627	32.655	26.271	173.51
60	-1.628	-1.629	32.715	26.320	168.85
65	-1.626	-1.627	32.796	26.385	162.62
70	-1.601	-1.602	32.856	26.433	157.99
75	-1.599	-1.601	33.001	26.551	146.80
80	-1.607	-1.609	33.126	26.653	137.14
85	-1.575	-1.577	33.253	26.755	127.40
90	-1.544	-1.546	33.371	26.850	118.41
95	-1.517	-1.519	33.441	26.907	113.02
100	-1.546	-1.548	33.546	26.992	104.87
110	-1.578	-1.581	33.721	27.135	91.25
120	-1.558	-1.560	33.843	27.233	81.92
130	-1.489	-1.492	33.962	27.329	72.88
140	-1.466	-1.469	34.057	27.405	65.60
150	-1.455	-1.459	34.115	27.451	61.19
160	-1.429	-1.433	34.166	27.492	57.29
170	-1.309	-1.313	34.225	27.537	53.13
180	-1.237	-1.242	34.266	27.567	50.22
190	-0.970	-0.976	34.328	27.608	46.48
200	-0.580	-0.586	34.409	27.658	42.00
210	-0.376	-0.384	34.460	27.689	39.13
220	-0.187	-0.195	34.510	27.721	36.24
230	0.022	0.013	34.576	27.763	32.36
240	0.249	0.239	34.633	27.797	29.33
250	0.433	0.423	34.673	27.819	27.43
260	0.681	0.670	34.712	27.835	26.11
270	0.938	0.925	34.763	27.860	23.93
280	1.128	1.115	34.801	27.877	22.49
290	1.258	1.244	34.830	27.892	21.24
300	1.309	1.294	34.848	27.903	20.30
310	1.338	1.323	34.857	27.908	19.84
320	1.381	1.365	34.874	27.919	18.94
330	1.364	1.348	34.884	27.928	18.08
340	1.431	1.413	34.899	27.935	17.50
350	1.309	1.291	34.898	27.944	16.66
360	1.182	1.165	34.894	27.949	16.05
370	1.132	1.114	34.894	27.952	15.71
380	1.106	1.088	34.896	27.956	15.41
390	1.081	1.063	34.896	27.958	15.21
400	1.046	1.027	34.898	27.962	14.86
410	1.027	1.007	34.898	27.963	14.72
420	1.027	1.007	34.899	27.964	14.67
430	1.013	0.992	34.899	27.965	14.58
440	0.985	0.964	34.899	27.967	14.41
450	0.955	0.934	34.898	27.968	14.29

B91.597					
depth	temp	theta	salnty	sig_th	delta
460	0.933	0.911	34.897	27.968	14.25
470	0.927	0.904	34.896	27.968	14.28
480	0.927	0.904	34.896	27.968	14.31
490	0.927	0.903	34.896	27.968	14.34
500	0.927	0.903	34.896	27.968	14.36

B91.598					
depth	temp	theta	salnty	sig_th	delta
5	4.768	4.768	24.699	19.541	817.16
10	4.662	4.661	26.081	20.643	711.20
15	4.404	4.403	27.248	21.591	620.33
20	3.934	3.933	28.383	22.532	530.22
25	3.534	3.532	29.137	23.166	469.70
30	2.690	2.688	30.074	23.979	392.07
35	1.409	1.408	30.967	24.780	315.62
40	-0.320	-0.321	31.938	25.648	232.93
45	-1.006	-1.007	32.304	25.969	202.32
50	-1.351	-1.352	32.453	26.100	189.83
55	-1.536	-1.537	32.547	26.180	182.11
60	-1.590	-1.591	32.655	26.270	173.57
65	-1.605	-1.607	32.722	26.324	168.35
70	-1.619	-1.621	32.877	26.451	156.34
75	-1.621	-1.623	32.987	26.540	147.86
80	-1.590	-1.591	33.131	26.657	136.77
85	-1.558	-1.559	33.241	26.745	128.36
90	-1.536	-1.538	33.317	26.806	122.55
95	-1.492	-1.495	33.470	26.929	110.93
100	-1.561	-1.563	33.575	27.017	102.56
110	-1.510	-1.512	33.785	27.185	86.58
120	-1.438	-1.440	33.872	27.254	80.02
130	-1.358	-1.362	33.962	27.325	73.32
140	-1.260	-1.263	34.062	27.402	65.99
150	-1.135	-1.139	34.168	27.484	58.27
160	-0.940	-0.944	34.268	27.558	51.30
170	-0.584	-0.589	34.319	27.585	48.93
180	-0.510	-0.516	34.370	27.622	45.40
190	-0.354	-0.360	34.417	27.654	42.52
200	-0.181	-0.188	34.473	27.691	39.12
210	-0.051	-0.059	34.512	27.716	36.83
220	0.023	0.014	34.536	27.731	35.43
230	0.119	0.110	34.567	27.750	33.65
240	0.162	0.152	34.580	27.759	32.89
250	0.307	0.297	34.618	27.781	30.88
260	0.360	0.349	34.633	27.790	30.06
270	0.489	0.478	34.665	27.809	28.39
280	0.558	0.546	34.685	27.821	27.35
290	0.770	0.757	34.726	27.841	25.63
300	0.884	0.870	34.751	27.854	24.58
310	0.909	0.895	34.761	27.860	24.04
320	0.904	0.889	34.778	27.874	22.69
330	0.962	0.947	34.790	27.880	22.25
340	1.022	1.006	34.810	27.892	21.16
350	1.024	1.007	34.825	27.905	20.03
360	1.023	1.006	34.837	27.914	19.15

B91.602					
depth	temp	theta	salnty	sig_th	delta
5	4.299	4.298	32.940	26.118	188.53
10	4.299	4.298	32.941	26.118	188.54
15	4.300	4.299	32.939	26.116	188.75
20	3.968	3.967	33.168	26.332	168.29
25	2.280	2.279	33.802	26.990	105.82
30	1.145	1.144	34.203	27.395	67.39
35	0.659	0.657	34.417	27.598	48.11
40	0.869	0.867	34.470	27.628	45.33
45	0.859	0.857	34.490	27.645	43.79
50	0.850	0.848	34.541	27.686	39.83
55	0.308	0.306	34.563	27.736	35.04
60	-0.106	-0.108	34.587	27.778	31.02
65	0.006	0.004	34.604	27.786	30.27
70	0.186	0.183	34.646	27.811	27.98
75	0.396	0.393	34.683	27.828	26.38
80	0.457	0.454	34.697	27.836	25.64
85	0.609	0.605	34.730	27.853	24.07
90	0.720	0.716	34.748	27.861	23.34
95	1.105	1.100	34.800	27.878	21.87
100	1.281	1.276	34.829	27.889	20.88
110	1.555	1.550	34.874	27.905	19.51
120	1.685	1.679	34.902	27.918	18.36
130	1.701	1.694	34.914	27.927	17.61
140	1.696	1.689	34.922	27.934	16.97
150	1.659	1.652	34.927	27.941	16.37
160	1.613	1.605	34.926	27.943	16.12
170	1.550	1.542	34.924	27.946	15.90
180	1.502	1.493	34.923	27.949	15.61
190	1.476	1.467	34.925	27.952	15.35
200	1.221	1.212	34.911	27.960	14.57
210	1.160	1.150	34.906	27.959	14.57
220	1.018	1.008	34.898	27.963	14.20
230	0.967	0.956	34.896	27.965	13.97
240	0.934	0.923	34.897	27.968	13.69
250	0.880	0.869	34.896	27.971	13.43
260	0.808	0.796	34.896	27.975	13.00
270	0.798	0.786	34.894	27.975	13.07
280	0.760	0.748	34.894	27.977	12.87
290	0.702	0.689	34.891	27.978	12.69
300	0.703	0.690	34.895	27.981	12.45
310	0.672	0.658	34.896	27.984	12.14
320	0.595	0.581	34.895	27.988	11.75
330	0.565	0.551	34.893	27.988	11.68
340	0.526	0.511	34.892	27.990	11.50
350	0.512	0.497	34.891	27.990	11.48
360	0.473	0.458	34.892	27.993	11.22
370	0.457	0.441	34.892	27.994	11.08
380	0.389	0.373	34.892	27.998	10.66
390	0.379	0.362	34.892	27.999	10.59
400	0.375	0.358	34.892	27.999	10.60
410	0.370	0.352	34.891	27.999	10.59
420	0.351	0.333	34.892	28.001	10.43
430	0.312	0.294	34.892	28.003	10.18
440	0.292	0.273	34.894	28.005	9.92
450	0.249	0.230	34.895	28.009	9.56

B91.602					
depth	temp	theta	salnty	sig_th	delta
460	0.217	0.198	34.894	28.009	9.46
470	0.195	0.175	34.893	28.010	9.35
480	0.172	0.151	34.893	28.012	9.17
490	0.138	0.117	34.896	28.016	8.75
500	0.085	0.064	34.895	28.018	8.48
510	0.054	0.033	34.896	28.020	8.23
520	-0.002	-0.023	34.897	28.024	7.80
530	-0.021	-0.043	34.896	28.024	7.76
540	-0.055	-0.077	34.897	28.027	7.46
550	-0.058	-0.080	34.896	28.027	7.45
560	-0.061	-0.084	34.896	28.027	7.45
570	-0.066	-0.089	34.897	28.028	7.37
580	-0.067	-0.091	34.896	28.027	7.41
590	-0.093	-0.117	34.896	28.029	7.24
600	-0.100	-0.125	34.896	28.029	7.21
610	-0.114	-0.139	34.897	28.030	7.03
620	-0.124	-0.149	34.898	28.032	6.90
630	-0.123	-0.148	34.898	28.031	6.91
640	-0.139	-0.165	34.900	28.034	6.61
650	-0.149	-0.175	34.898	28.033	6.71
660	-0.182	-0.209	34.900	28.037	6.31
670	-0.192	-0.219	34.900	28.037	6.23
680	-0.198	-0.226	34.901	28.038	6.11
690	-0.215	-0.243	34.901	28.039	6.01
700	-0.238	-0.267	34.901	28.041	5.81
710	-0.254	-0.282	34.902	28.042	5.63
720	-0.257	-0.286	34.903	28.043	5.57
730	-0.269	-0.299	34.903	28.044	5.45
740	-0.280	-0.310	34.904	28.045	5.33
750	-0.285	-0.315	34.904	28.045	5.26
760	-0.304	-0.335	34.904	28.046	5.09
770	-0.300	-0.332	34.903	28.045	5.21
780	-0.300	-0.332	34.904	28.046	5.16
790	-0.300	-0.333	34.904	28.046	5.11
800	-0.297	-0.330	34.904	28.046	5.14
810	-0.298	-0.332	34.904	28.046	5.12
820	-0.300	-0.334	34.904	28.046	5.08

B91.604					
depth	temp	theta	salnty	sig_th	delta
5	4.392	4.391	32.590	25.830	215.83
10	4.391	4.391	32.590	25.830	215.88
15	4.391	4.390	32.591	25.831	215.90
20	4.346	4.345	32.609	25.850	214.07
25	0.672	0.671	33.970	27.237	82.30
30	-0.015	-0.017	34.276	27.523	55.23
35	-0.134	-0.135	34.353	27.591	48.78
40	-0.413	-0.414	34.393	27.637	44.39
45	-0.303	-0.305	34.444	27.673	40.96
50	-0.361	-0.363	34.473	27.699	38.52
55	-0.425	-0.427	34.481	27.709	37.54
60	-0.422	-0.424	34.514	27.735	35.03
65	-0.624	-0.626	34.531	27.758	32.80
70	-0.464	-0.467	34.556	27.771	31.61
75	-0.431	-0.434	34.585	27.793	29.52
80	-0.213	-0.216	34.621	27.811	27.86
85	0.043	0.040	34.656	27.826	26.48
90	0.140	0.137	34.670	27.833	25.90
95	0.441	0.437	34.706	27.844	24.88
100	0.665	0.661	34.738	27.857	23.77
110	1.106	1.101	34.805	27.882	21.58
120	1.322	1.316	34.840	27.895	20.45
130	1.557	1.550	34.877	27.908	19.34
140	1.625	1.617	34.896	27.918	18.40
150	1.635	1.627	34.906	27.925	17.78
160	1.620	1.612	34.911	27.930	17.35
170	1.621	1.612	34.916	27.934	17.03
180	1.595	1.586	34.919	27.939	16.65
190	1.496	1.487	34.914	27.942	16.31
200	1.481	1.471	34.915	27.944	16.19
210	1.441	1.430	34.916	27.948	15.80
220	1.405	1.394	34.916	27.951	15.55
230	1.347	1.336	34.916	27.954	15.23
240	1.285	1.273	34.914	27.957	14.94
250	1.201	1.189	34.910	27.960	14.65
260	1.145	1.133	34.909	27.963	14.39
270	1.080	1.067	34.905	27.965	14.18
280	1.009	0.996	34.903	27.968	13.92
290	0.962	0.948	34.901	27.969	13.75
300	0.912	0.898	34.900	27.972	13.44
310	0.881	0.867	34.900	27.974	13.32
320	0.841	0.826	34.899	27.976	13.09
330	0.795	0.780	34.899	27.979	12.78
340	0.769	0.753	34.899	27.981	12.61
350	0.743	0.727	34.899	27.982	12.48
360	0.702	0.686	34.899	27.985	12.21
370	0.640	0.624	34.898	27.988	11.85
380	0.606	0.589	34.897	27.989	11.75
390	0.573	0.556	34.896	27.990	11.60
400	0.540	0.523	34.895	27.992	11.43
410	0.485	0.467	34.895	27.995	11.11
420	0.470	0.451	34.895	27.996	11.02
430	0.434	0.416	34.895	27.998	10.81
440	0.410	0.391	34.894	27.999	10.69
450	0.371	0.352	34.894	28.001	10.48

B91.604					
depth	temp	theta	salnty	sig_th	delta
460	0.353	0.333	34.893	28.002	10.38
470	0.339	0.319	34.893	28.002	10.31
480	0.320	0.299	34.893	28.003	10.22
490	0.281	0.260	34.893	28.005	9.97
500	0.258	0.237	34.892	28.006	9.89
510	0.222	0.200	34.892	28.008	9.63
520	0.183	0.161	34.892	28.010	9.36
530	0.159	0.137	34.892	28.011	9.25
540	0.113	0.090	34.893	28.015	8.82
550	0.090	0.067	34.893	28.016	8.67
560	0.075	0.052	34.894	28.018	8.54
570	0.062	0.038	34.893	28.018	8.49
580	0.046	0.022	34.894	28.020	8.28
590	0.027	0.003	34.893	28.020	8.26
600	0.018	-0.008	34.892	28.020	8.25
610	-0.001	-0.027	34.895	28.023	7.93
620	-0.019	-0.045	34.893	28.023	7.92
630	-0.038	-0.065	34.895	28.025	7.66
640	-0.055	-0.081	34.895	28.026	7.53
650	-0.063	-0.090	34.897	28.028	7.37
660	-0.079	-0.107	34.897	28.029	7.21
670	-0.088	-0.116	34.898	28.030	7.10
680	-0.088	-0.117	34.899	28.031	7.00
690	-0.104	-0.133	34.899	28.032	6.89
700	-0.122	-0.151	34.900	28.034	6.67
710	-0.140	-0.169	34.899	28.034	6.61
720	-0.149	-0.179	34.901	28.036	6.43
730	-0.172	-0.202	34.901	28.037	6.26
740	-0.177	-0.208	34.901	28.038	6.19
750	-0.180	-0.212	34.902	28.038	6.11
760	-0.211	-0.242	34.902	28.040	5.88
770	-0.219	-0.251	34.903	28.041	5.77
780	-0.228	-0.260	34.903	28.042	5.70
790	-0.243	-0.275	34.904	28.043	5.54
800	-0.251	-0.284	34.904	28.043	5.46
810	-0.259	-0.292	34.904	28.044	5.39
820	-0.265	-0.299	34.905	28.045	5.30
830	-0.288	-0.322	34.904	28.046	5.15
840	-0.300	-0.335	34.906	28.047	4.96
850	-0.316	-0.351	34.907	28.049	4.76
860	-0.325	-0.360	34.907	28.049	4.69
870	-0.333	-0.369	34.907	28.050	4.61
880	-0.344	-0.381	34.906	28.050	4.59
890	-0.355	-0.391	34.907	28.051	4.42
900	-0.363	-0.400	34.908	28.052	4.30
910	-0.378	-0.415	34.908	28.053	4.15
920	-0.384	-0.422	34.907	28.053	4.17
930	-0.395	-0.434	34.908	28.054	4.01
940	-0.408	-0.447	34.909	28.055	3.86
950	-0.423	-0.463	34.909	28.056	3.70
960	-0.426	-0.465	34.909	28.057	3.67
970	-0.439	-0.479	34.910	28.058	3.52
980	-0.444	-0.484	34.910	28.058	3.46
990	-0.455	-0.496	34.911	28.059	3.32
1000	-0.461	-0.502	34.910	28.059	3.28

B91.604					
depth	temp	theta	salnty	sig_th	delta
1010	-0.473	-0.515	34.912	28.061	3.06
1020	-0.487	-0.529	34.912	28.062	2.96
1030	-0.494	-0.536	34.912	28.062	2.89
1040	-0.500	-0.543	34.912	28.063	2.81
1050	-0.513	-0.556	34.913	28.064	2.64
1060	-0.524	-0.568	34.914	28.065	2.48
1070	-0.546	-0.590	34.914	28.066	2.30
1080	-0.554	-0.598	34.914	28.067	2.22
1090	-0.566	-0.611	34.914	28.067	2.11
1100	-0.577	-0.623	34.915	28.068	1.98
1110	-0.591	-0.636	34.915	28.069	1.83
1120	-0.593	-0.639	34.915	28.069	1.80
1130	-0.603	-0.650	34.915	28.070	1.71
1140	-0.605	-0.652	34.915	28.070	1.68
1150	-0.608	-0.655	34.915	28.070	1.61
1160	-0.612	-0.660	34.916	28.071	1.54
1170	-0.614	-0.663	34.915	28.071	1.53
1180	-0.617	-0.666	34.916	28.071	1.47

B91.605					
depth	temp	theta	salnty	sig_th	delta
5	3.605	3.605	32.121	25.534	244.04
10	3.606	3.606	32.120	25.533	244.13
15	0.260	0.259	33.602	26.964	108.17
20	-1.435	-1.435	33.990	27.350	71.53
25	-1.399	-1.399	34.039	27.388	67.88
30	-1.206	-1.207	34.093	27.426	64.27
35	-1.083	-1.084	34.120	27.443	62.63
40	-0.968	-0.969	34.160	27.471	59.98
45	-1.349	-1.350	34.196	27.514	55.85
50	-1.322	-1.324	34.220	27.533	54.07
55	-1.206	-1.207	34.255	27.557	51.77
60	-0.882	-0.884	34.295	27.578	49.85
65	-0.928	-0.930	34.317	27.597	48.00
70	-0.732	-0.734	34.347	27.613	46.45
75	-0.596	-0.599	34.375	27.630	44.90
80	-0.569	-0.572	34.392	27.643	43.67
85	-0.560	-0.563	34.422	27.667	41.37
90	-0.393	-0.396	34.467	27.695	38.75
95	-0.258	-0.261	34.503	27.719	36.58
100	-0.285	-0.288	34.538	27.748	33.80
110	0.035	0.030	34.603	27.784	30.46
120	0.181	0.176	34.648	27.812	27.84
130	0.215	0.210	34.678	27.835	25.72
140	0.789	0.783	34.759	27.866	23.03
150	1.030	1.023	34.794	27.879	21.94
160	1.309	1.302	34.835	27.892	20.84
170	1.467	1.459	34.863	27.903	19.91
180	1.720	1.711	34.899	27.913	19.12
190	1.530	1.521	34.892	27.922	18.21
200	1.598	1.588	34.904	27.927	17.83
210	1.556	1.546	34.906	27.932	17.41
220	1.544	1.532	34.910	27.936	17.08
230	1.553	1.541	34.916	27.939	16.77
240	1.550	1.538	34.919	27.942	16.54
250	1.558	1.545	34.926	27.948	16.06
260	1.616	1.602	34.934	27.950	15.98
270	1.595	1.581	34.936	27.953	15.71
280	1.366	1.352	34.917	27.955	15.40
290	1.147	1.133	34.901	27.957	15.09
300	1.223	1.208	34.911	27.960	14.89
310	1.098	1.083	34.905	27.964	14.42
320	1.028	1.013	34.903	27.967	14.11
330	0.962	0.946	34.900	27.969	13.88
340	0.929	0.913	34.900	27.971	13.69
350	0.897	0.880	34.899	27.972	13.59
360	0.833	0.817	34.895	27.974	13.40
370	0.779	0.762	34.890	27.973	13.41
380	0.826	0.808	34.897	27.975	13.30
390	0.772	0.754	34.895	27.977	13.04
400	0.698	0.679	34.891	27.979	12.82
410	0.733	0.714	34.899	27.983	12.51
420	0.673	0.654	34.898	27.986	12.20
430	0.576	0.557	34.892	27.987	11.95
440	0.531	0.511	34.891	27.989	11.78
450	0.495	0.475	34.889	27.990	11.64

B91.605					
depth	temp	theta	salnty	sig_th	delta
460	0.481	0.460	34.890	27.991	11.51
470	0.449	0.429	34.891	27.994	11.20
480	0.425	0.404	34.892	27.996	11.01
490	0.401	0.380	34.893	27.998	10.79
500	0.381	0.359	34.892	27.999	10.71
510	0.359	0.337	34.892	28.001	10.53
520	0.340	0.317	34.893	28.002	10.38
530	0.311	0.288	34.893	28.004	10.14
540	0.288	0.264	34.893	28.006	9.99
550	0.267	0.243	34.894	28.007	9.83
560	0.236	0.212	34.895	28.010	9.55
570	0.221	0.196	34.896	28.011	9.37
580	0.187	0.162	34.896	28.013	9.13
590	0.162	0.136	34.896	28.015	8.97
600	0.149	0.123	34.896	28.016	8.85
610	0.124	0.098	34.895	28.016	8.77
620	0.089	0.062	34.895	28.018	8.54
630	0.068	0.041	34.895	28.019	8.42
640	0.036	0.009	34.894	28.021	8.22
650	0.029	0.001	34.894	28.021	8.20
660	0.016	-0.012	34.897	28.024	7.89
670	-0.001	-0.029	34.898	28.025	7.71
680	-0.015	-0.044	34.898	28.026	7.61
690	-0.046	-0.075	34.897	28.027	7.42
700	-0.067	-0.096	34.900	28.031	7.09
710	-0.085	-0.115	34.899	28.030	7.06
720	-0.101	-0.131	34.900	28.032	6.85
730	-0.121	-0.151	34.900	28.034	6.69
740	-0.136	-0.167	34.900	28.034	6.58
750	-0.148	-0.179	34.900	28.035	6.47
760	-0.160	-0.191	34.902	28.037	6.28
770	-0.169	-0.201	34.902	28.038	6.18
780	-0.183	-0.216	34.903	28.039	6.03
790	-0.197	-0.230	34.903	28.040	5.90
800	-0.213	-0.246	34.904	28.041	5.74
810	-0.228	-0.262	34.904	28.042	5.62
820	-0.241	-0.275	34.904	28.043	5.50
830	-0.255	-0.289	34.905	28.044	5.36
840	-0.263	-0.298	34.905	28.045	5.29
850	-0.273	-0.308	34.905	28.045	5.21
860	-0.286	-0.322	34.906	28.047	5.02
870	-0.301	-0.337	34.906	28.048	4.88
880	-0.327	-0.363	34.907	28.050	4.62
890	-0.350	-0.386	34.908	28.052	4.41
900	-0.356	-0.393	34.908	28.052	4.36
910	-0.370	-0.408	34.908	28.053	4.20
920	-0.389	-0.427	34.909	28.054	4.02
930	-0.407	-0.445	34.909	28.056	3.84
940	-0.430	-0.469	34.910	28.058	3.59
950	-0.461	-0.499	34.911	28.059	3.32
960	-0.478	-0.518	34.911	28.061	3.14
970	-0.505	-0.544	34.912	28.063	2.87
980	-0.529	-0.569	34.913	28.064	2.65
990	-0.546	-0.586	34.913	28.065	2.49
1000	-0.561	-0.602	34.913	28.066	2.34

B91.605					
depth	temp	theta	salnty	sig_th	delta
1010	-0.583	-0.624	34.914	28.068	2.10
1020	-0.599	-0.640	34.915	28.069	1.96
1030	-0.598	-0.640	34.914	28.069	1.96
1040	-0.598	-0.640	34.914	28.069	1.95
1050	-0.597	-0.640	34.914	28.069	1.94
1060	-0.597	-0.640	34.914	28.069	1.93
1070	-0.596	-0.640	34.914	28.069	1.92

B91.606					
depth	temp	theta	salnty	sig_th	delta
5	3.192	3.191	32.026	25.495	247.67
10	3.184	3.184	32.030	25.499	247.30
15	3.176	3.175	32.036	25.505	246.80
20	3.149	3.148	32.053	25.520	245.35
25	0.505	0.504	33.170	26.603	142.40
30	-1.065	-1.065	33.741	27.136	91.79
35	-0.870	-0.871	33.830	27.200	85.69
40	-1.160	-1.161	33.982	27.334	72.95
45	-1.155	-1.156	34.070	27.405	66.16
50	-1.268	-1.269	34.119	27.449	62.00
55	-1.240	-1.241	34.159	27.481	58.98
60	-0.960	-0.961	34.222	27.522	55.12
65	-0.646	-0.648	34.288	27.562	51.33
70	-0.272	-0.274	34.398	27.634	44.64
75	-0.382	-0.385	34.441	27.674	40.78
80	-0.385	-0.388	34.478	27.704	37.95
85	-0.312	-0.315	34.501	27.719	36.50
90	-0.086	-0.089	34.552	27.750	33.70
95	-0.004	-0.008	34.579	27.766	32.12
100	0.032	0.028	34.609	27.790	29.95
110	0.706	0.701	34.704	27.827	26.63
120	0.672	0.666	34.732	27.851	24.33
130	1.231	1.225	34.808	27.876	22.24
140	1.498	1.491	34.851	27.891	20.90
150	1.631	1.624	34.881	27.906	19.65
160	1.806	1.797	34.907	27.913	19.04
170	1.752	1.743	34.910	27.919	18.49
180	1.733	1.724	34.916	27.926	17.89
190	1.698	1.689	34.921	27.933	17.31
200	1.642	1.631	34.923	27.939	16.74
210	1.523	1.512	34.919	27.944	16.19
220	1.464	1.453	34.916	27.946	16.03
230	1.398	1.386	34.914	27.949	15.74
240	1.348	1.336	34.911	27.951	15.58
250	1.292	1.279	34.910	27.954	15.32
260	1.231	1.219	34.912	27.960	14.73
270	1.188	1.174	34.909	27.961	14.65
280	1.121	1.107	34.907	27.964	14.35
290	1.072	1.059	34.906	27.966	14.13
300	0.986	0.972	34.903	27.970	13.74
310	0.934	0.920	34.900	27.971	13.63
320	0.900	0.885	34.900	27.973	13.40
330	0.856	0.840	34.900	27.976	13.16
340	0.782	0.766	34.898	27.978	12.84
350	0.756	0.740	34.896	27.979	12.76
360	0.689	0.673	34.894	27.982	12.48
370	0.657	0.641	34.894	27.984	12.27
380	0.635	0.618	34.894	27.985	12.15
390	0.570	0.553	34.893	27.988	11.81
400	0.551	0.533	34.893	27.989	11.69
410	0.523	0.505	34.893	27.991	11.48
420	0.493	0.474	34.893	27.993	11.31
430	0.455	0.436	34.893	27.995	11.07
440	0.412	0.393	34.892	27.997	10.85
450	0.369	0.350	34.892	27.999	10.60

B91.606					
depth	temp	theta	salnty	sig_th	delta
460	0.333	0.313	34.891	28.001	10.38
470	0.301	0.281	34.891	28.003	10.21
480	0.282	0.262	34.891	28.004	10.08
490	0.253	0.232	34.892	28.006	9.86
500	0.232	0.211	34.891	28.007	9.74
510	0.210	0.188	34.891	28.008	9.60
520	0.179	0.157	34.892	28.010	9.37
530	0.150	0.128	34.891	28.012	9.20
540	0.132	0.110	34.892	28.013	9.03
550	0.110	0.087	34.893	28.015	8.83
560	0.091	0.067	34.892	28.016	8.75
570	0.071	0.047	34.893	28.017	8.57
580	0.061	0.037	34.893	28.018	8.49
590	0.046	0.022	34.894	28.019	8.34
600	0.020	-0.005	34.893	28.020	8.19
610	0.008	-0.017	34.894	28.022	8.06
620	-0.004	-0.030	34.894	28.022	7.97
630	-0.022	-0.048	34.895	28.024	7.79
640	-0.030	-0.057	34.895	28.025	7.70
650	-0.025	-0.053	34.897	28.026	7.60
660	-0.025	-0.052	34.899	28.027	7.48
670	-0.035	-0.063	34.899	28.028	7.36
680	-0.045	-0.074	34.899	28.029	7.31
690	-0.064	-0.093	34.898	28.029	7.23
700	-0.080	-0.110	34.901	28.032	6.89
710	-0.095	-0.125	34.901	28.033	6.77
720	-0.111	-0.141	34.902	28.035	6.62
730	-0.137	-0.167	34.902	28.036	6.47
740	-0.151	-0.182	34.902	28.037	6.32
750	-0.167	-0.198	34.903	28.038	6.17
760	-0.186	-0.217	34.903	28.039	6.00
770	-0.201	-0.233	34.903	28.040	5.88
780	-0.222	-0.254	34.904	28.042	5.65
790	-0.239	-0.272	34.905	28.043	5.50
800	-0.261	-0.294	34.905	28.045	5.31
810	-0.285	-0.318	34.905	28.046	5.10
820	-0.307	-0.340	34.906	28.048	4.91
830	-0.331	-0.365	34.906	28.049	4.71
840	-0.339	-0.373	34.906	28.050	4.64
850	-0.350	-0.385	34.907	28.051	4.51
860	-0.356	-0.392	34.907	28.051	4.46
870	-0.368	-0.403	34.907	28.052	4.33
880	-0.377	-0.413	34.908	28.053	4.23
890	-0.382	-0.419	34.908	28.053	4.17
900	-0.393	-0.430	34.908	28.054	4.03
910	-0.401	-0.438	34.908	28.055	3.97
920	-0.413	-0.450	34.909	28.056	3.83
930	-0.421	-0.459	34.909	28.056	3.72
940	-0.433	-0.472	34.910	28.057	3.60
950	-0.440	-0.479	34.910	28.058	3.54
960	-0.452	-0.492	34.910	28.059	3.41
970	-0.467	-0.506	34.911	28.060	3.25
980	-0.490	-0.530	34.912	28.061	3.02
990	-0.510	-0.551	34.913	28.064	2.76
1000	-0.526	-0.567	34.913	28.065	2.60

B91.606					
depth	temp	theta	salnty	sig_th	delta
1010	-0.540	-0.581	34.914	28.066	2.44
1020	-0.557	-0.599	34.914	28.067	2.26
1030	-0.578	-0.620	34.914	28.068	2.10
1040	-0.591	-0.633	34.915	28.069	1.96
1050	-0.603	-0.646	34.916	28.070	1.80
1060	-0.604	-0.647	34.915	28.070	1.82
1070	-0.611	-0.655	34.915	28.070	1.76
1080	-0.633	-0.677	34.916	28.072	1.51
1090	-0.640	-0.685	34.916	28.072	1.43
1100	-0.649	-0.694	34.916	28.073	1.35
1110	-0.659	-0.704	34.916	28.073	1.24
1120	-0.660	-0.706	34.916	28.073	1.24
1130	-0.665	-0.711	34.918	28.075	1.01

B91.607					
depth	temp	theta	salnty	sig_th	delta
5	3.441	3.441	31.863	25.344	262.08
10	3.439	3.439	31.864	25.345	262.04
15	3.436	3.435	31.868	25.348	261.72
20	3.221	3.220	32.239	25.663	231.82
25	3.044	3.042	32.570	25.942	205.31
30	0.399	0.397	33.810	27.125	92.94
35	0.060	0.059	34.169	27.432	63.79
40	-0.404	-0.406	34.331	27.586	49.17
45	-0.690	-0.691	34.344	27.609	46.94
50	-0.719	-0.720	34.385	27.644	43.65
55	-0.647	-0.649	34.402	27.655	42.59
60	-0.595	-0.597	34.418	27.666	41.58
65	-0.414	-0.416	34.465	27.695	38.79
70	-0.361	-0.363	34.485	27.709	37.52
75	-0.290	-0.292	34.508	27.724	36.11
80	-0.263	-0.265	34.538	27.747	33.89
85	-0.130	-0.133	34.578	27.773	31.49
90	0.016	0.013	34.615	27.795	29.47
95	0.089	0.085	34.632	27.805	28.52
100	0.134	0.130	34.644	27.812	27.83
110	0.511	0.506	34.705	27.840	25.35
120	0.569	0.564	34.720	27.848	24.59
130	1.017	1.011	34.781	27.868	22.86
140	1.326	1.319	34.830	27.887	21.29
150	1.468	1.461	34.855	27.897	20.41
160	1.631	1.623	34.879	27.904	19.87
170	1.772	1.763	34.904	27.913	19.09
180	1.796	1.787	34.913	27.919	18.63
190	1.766	1.756	34.916	27.924	18.21
200	1.772	1.761	34.923	27.929	17.79
210	1.764	1.753	34.925	27.931	17.62
220	1.737	1.725	34.925	27.933	17.42
230	1.689	1.677	34.927	27.938	16.97
240	1.634	1.621	34.926	27.942	16.64
250	1.589	1.576	34.925	27.944	16.44
260	1.536	1.523	34.923	27.947	16.18
270	1.491	1.477	34.921	27.949	16.03
280	1.415	1.401	34.919	27.952	15.68
290	1.361	1.346	34.918	27.955	15.38
300	1.293	1.278	34.914	27.957	15.15
310	1.231	1.216	34.914	27.961	14.77
320	1.192	1.176	34.912	27.963	14.62
330	1.134	1.118	34.910	27.966	14.36
340	1.071	1.055	34.908	27.968	14.08
350	1.020	1.004	34.907	27.970	13.85
360	0.942	0.925	34.904	27.973	13.54
370	0.836	0.819	34.899	27.976	13.18
380	0.762	0.745	34.896	27.979	12.86
390	0.727	0.709	34.895	27.980	12.71
400	0.687	0.669	34.894	27.982	12.53
410	0.639	0.621	34.894	27.985	12.22
420	0.609	0.590	34.894	27.987	12.02
430	0.560	0.541	34.896	27.992	11.53
440	0.501	0.481	34.896	27.995	11.19
450	0.456	0.436	34.898	27.999	10.74

B91.607					
depth	temp	theta	salnty	sig_th	delta
460	0.414	0.394	34.893	27.998	10.84
470	0.405	0.384	34.893	27.998	10.79
480	0.391	0.370	34.892	27.999	10.73
490	0.393	0.372	34.892	27.998	10.77
500	0.366	0.344	34.893	28.000	10.55
510	0.317	0.295	34.892	28.003	10.25
520	0.286	0.264	34.892	28.005	10.03
530	0.251	0.228	34.892	28.006	9.86
540	0.234	0.211	34.892	28.007	9.75
550	0.206	0.182	34.892	28.009	9.57
560	0.189	0.165	34.892	28.010	9.41
570	0.157	0.133	34.891	28.011	9.25
580	0.128	0.103	34.892	28.013	9.03
590	0.111	0.086	34.892	28.015	8.89
600	0.093	0.067	34.892	28.015	8.81
610	0.080	0.054	34.892	28.016	8.68
620	0.067	0.041	34.892	28.017	8.60
630	0.042	0.016	34.893	28.019	8.38
640	0.030	0.003	34.893	28.020	8.25
650	-0.001	-0.028	34.894	28.022	8.00
660	-0.005	-0.033	34.893	28.022	8.02
670	-0.024	-0.052	34.894	28.024	7.81
680	-0.040	-0.068	34.894	28.025	7.70
690	-0.049	-0.077	34.894	28.025	7.62
700	-0.064	-0.093	34.897	28.028	7.34
710	-0.068	-0.098	34.895	28.027	7.43
720	-0.088	-0.119	34.897	28.030	7.12
730	-0.106	-0.137	34.897	28.030	7.01
740	-0.118	-0.149	34.897	28.031	6.91
750	-0.125	-0.156	34.897	28.032	6.86
760	-0.133	-0.164	34.897	28.032	6.82
770	-0.157	-0.189	34.898	28.034	6.59
780	-0.167	-0.200	34.899	28.035	6.43
790	-0.180	-0.214	34.898	28.035	6.40
800	-0.187	-0.220	34.899	28.037	6.25
810	-0.198	-0.232	34.899	28.037	6.15
820	-0.219	-0.253	34.901	28.039	5.92
830	-0.228	-0.262	34.901	28.040	5.84
840	-0.243	-0.278	34.901	28.041	5.70
850	-0.254	-0.289	34.902	28.042	5.57
860	-0.266	-0.302	34.902	28.043	5.45
870	-0.272	-0.308	34.902	28.043	5.40
880	-0.281	-0.318	34.903	28.044	5.28
890	-0.287	-0.324	34.903	28.045	5.22
900	-0.296	-0.334	34.903	28.045	5.13
910	-0.305	-0.343	34.904	28.046	5.01
920	-0.311	-0.349	34.904	28.046	4.95
930	-0.319	-0.358	34.904	28.047	4.86
940	-0.326	-0.366	34.904	28.048	4.80
950	-0.343	-0.382	34.905	28.049	4.58
960	-0.345	-0.386	34.905	28.050	4.54
970	-0.348	-0.389	34.906	28.050	4.48
980	-0.361	-0.402	34.907	28.052	4.30
990	-0.370	-0.411	34.907	28.052	4.23
1000	-0.378	-0.420	34.907	28.053	4.10

B91.607					
depth	temp	theta	salnty	sig_th	delta
1010	-0.391	-0.433	34.908	28.054	3.98
1020	-0.398	-0.441	34.908	28.054	3.89
1030	-0.406	-0.450	34.908	28.055	3.79
1040	-0.407	-0.451	34.909	28.055	3.76
1050	-0.416	-0.461	34.909	28.056	3.67
1060	-0.425	-0.470	34.909	28.057	3.56
1070	-0.431	-0.477	34.909	28.057	3.49
1080	-0.437	-0.483	34.909	28.058	3.42
1090	-0.442	-0.488	34.910	28.058	3.34
1100	-0.451	-0.497	34.910	28.059	3.23
1110	-0.457	-0.504	34.911	28.060	3.15
1120	-0.465	-0.512	34.911	28.060	3.07
1130	-0.469	-0.517	34.911	28.061	2.97
1140	-0.474	-0.523	34.911	28.061	2.93
1150	-0.491	-0.539	34.912	28.062	2.78
1160	-0.496	-0.545	34.911	28.062	2.74
1170	-0.500	-0.550	34.912	28.063	2.62
1180	-0.505	-0.555	34.912	28.063	2.57
1190	-0.520	-0.570	34.913	28.064	2.41
1200	-0.531	-0.582	34.913	28.065	2.29
1210	-0.542	-0.594	34.914	28.066	2.15
1220	-0.553	-0.605	34.914	28.067	2.01
1230	-0.559	-0.612	34.914	28.067	1.95
1240	-0.572	-0.624	34.915	28.068	1.80
1250	-0.595	-0.648	34.915	28.070	1.57
1260	-0.610	-0.663	34.916	28.071	1.38
1270	-0.622	-0.676	34.916	28.072	1.24
1280	-0.632	-0.686	34.916	28.072	1.18
1290	-0.635	-0.690	34.916	28.072	1.13
1300	-0.644	-0.699	34.916	28.073	1.02
1310	-0.653	-0.709	34.917	28.074	0.91
1320	-0.671	-0.727	34.917	28.075	0.74
1330	-0.684	-0.740	34.917	28.075	0.62
1340	-0.691	-0.748	34.917	28.076	0.53
1350	-0.699	-0.757	34.916	28.076	0.49
1360	-0.707	-0.765	34.917	28.076	0.36
1370	-0.716	-0.774	34.917	28.077	0.27
1380	-0.718	-0.777	34.917	28.077	0.23
1390	-0.718	-0.777	34.917	28.077	0.22
1400	-0.719	-0.779	34.917	28.077	0.21
1410	-0.719	-0.780	34.917	28.077	0.17
1420	-0.719	-0.780	34.917	28.077	0.16
1430	-0.718	-0.779	34.917	28.077	0.16

B91.608					
depth	temp	theta	salnty	sig_th	delta
5	2.891	2.891	31.216	24.874	306.74
10	2.888	2.888	31.221	24.879	306.32
15	2.617	2.616	31.609	25.210	274.80
20	1.207	1.206	32.334	25.890	210.15
25	-0.956	-0.957	33.182	26.679	135.11
30	-1.274	-1.275	33.381	26.850	118.83
35	-1.045	-1.046	33.469	26.914	112.72
40	-1.161	-1.162	33.661	27.074	97.58
45	-1.160	-1.161	33.793	27.181	87.41
50	-1.253	-1.255	33.863	27.241	81.70
55	-1.374	-1.375	33.917	27.288	77.16
60	-1.419	-1.421	34.042	27.391	67.37
65	-1.403	-1.405	34.052	27.399	66.65
70	-1.389	-1.390	34.089	27.428	63.81
75	-1.371	-1.373	34.134	27.464	60.39
80	-1.355	-1.357	34.173	27.496	57.41
85	-1.250	-1.252	34.217	27.528	54.35
90	-1.244	-1.247	34.251	27.555	51.80
95	-1.095	-1.097	34.282	27.575	49.92
100	-0.893	-0.896	34.328	27.605	47.13
110	-0.442	-0.446	34.445	27.680	40.09
120	-0.389	-0.393	34.513	27.733	35.13
130	-0.360	-0.364	34.551	27.762	32.42
140	-0.302	-0.306	34.595	27.795	29.27
150	-0.090	-0.095	34.634	27.816	27.42
160	0.325	0.318	34.696	27.843	24.99
170	0.943	0.935	34.779	27.872	22.59
180	1.343	1.334	34.835	27.890	21.13
190	1.638	1.628	34.893	27.915	18.97
200	1.714	1.703	34.909	27.922	18.38
210	1.711	1.700	34.916	27.928	17.86
220	1.640	1.629	34.917	27.934	17.32
230	1.544	1.533	34.914	27.939	16.81
240	1.503	1.491	34.914	27.942	16.53
250	1.488	1.475	34.913	27.943	16.51
260	1.462	1.449	34.915	27.946	16.25
270	1.406	1.392	34.916	27.951	15.73
280	1.348	1.334	34.915	27.954	15.43
290	1.268	1.254	34.911	27.956	15.20
300	1.269	1.254	34.916	27.961	14.84
310	1.144	1.129	34.909	27.964	14.46
320	1.057	1.042	34.902	27.964	14.39
330	0.980	0.965	34.899	27.967	14.12
340	0.935	0.919	34.897	27.968	13.97
350	0.889	0.873	34.896	27.970	13.74
360	0.876	0.860	34.895	27.971	13.72
370	0.850	0.832	34.896	27.973	13.46
380	0.815	0.797	34.896	27.975	13.30
390	0.798	0.780	34.897	27.977	13.08
400	0.777	0.759	34.898	27.980	12.87
410	0.774	0.755	34.899	27.981	12.76
420	0.736	0.716	34.899	27.983	12.52
430	0.708	0.688	34.899	27.985	12.36
440	0.677	0.657	34.899	27.987	12.15
450	0.649	0.628	34.899	27.989	11.95

B91.608					
depth	temp	theta	salnty	sig_th	delta
460	0.605	0.584	34.897	27.990	11.81
470	0.565	0.543	34.898	27.993	11.49
480	0.554	0.532	34.898	27.994	11.40
490	0.531	0.509	34.898	27.995	11.27
500	0.515	0.492	34.898	27.996	11.21
510	0.473	0.450	34.897	27.998	10.94
520	0.424	0.401	34.897	28.000	10.67
530	0.384	0.360	34.894	28.001	10.57
540	0.354	0.330	34.896	28.004	10.24
550	0.332	0.307	34.895	28.005	10.16
560	0.302	0.277	34.894	28.005	10.04
570	0.265	0.240	34.893	28.007	9.86
580	0.228	0.203	34.892	28.008	9.66
590	0.200	0.174	34.892	28.009	9.52
600	0.172	0.147	34.892	28.011	9.31
610	0.155	0.129	34.892	28.012	9.24
620	0.149	0.123	34.891	28.012	9.22
630	0.115	0.088	34.893	28.015	8.83
640	0.089	0.062	34.893	28.016	8.72
650	0.068	0.040	34.893	28.018	8.51
660	0.046	0.018	34.893	28.019	8.38
670	0.027	-0.001	34.894	28.021	8.16
680	0.013	-0.015	34.894	28.021	8.11
690	0.000	-0.029	34.894	28.023	7.96
700	-0.018	-0.047	34.895	28.024	7.79
710	-0.030	-0.060	34.896	28.025	7.64
720	-0.050	-0.081	34.896	28.026	7.52
730	-0.069	-0.100	34.897	28.028	7.31
740	-0.085	-0.116	34.897	28.029	7.17
750	-0.094	-0.126	34.897	28.030	7.07
760	-0.115	-0.146	34.898	28.031	6.90
770	-0.123	-0.156	34.898	28.032	6.81
780	-0.142	-0.175	34.898	28.033	6.64
790	-0.149	-0.182	34.898	28.034	6.58
800	-0.151	-0.185	34.898	28.034	6.56
810	-0.162	-0.196	34.899	28.035	6.47
820	-0.187	-0.221	34.900	28.037	6.20
830	-0.190	-0.225	34.900	28.037	6.16
840	-0.202	-0.238	34.900	28.038	6.03
850	-0.216	-0.252	34.901	28.039	5.91
860	-0.229	-0.265	34.901	28.040	5.78
870	-0.247	-0.283	34.902	28.042	5.60
880	-0.255	-0.292	34.902	28.042	5.49
890	-0.263	-0.301	34.902	28.043	5.45
900	-0.271	-0.309	34.902	28.043	5.37
910	-0.288	-0.327	34.903	28.045	5.19
920	-0.299	-0.338	34.903	28.045	5.09
930	-0.304	-0.343	34.903	28.046	5.05
940	-0.313	-0.353	34.903	28.046	4.95
950	-0.318	-0.358	34.903	28.047	4.90
960	-0.330	-0.371	34.904	28.048	4.77
970	-0.340	-0.380	34.904	28.048	4.66
980	-0.351	-0.392	34.905	28.050	4.51
990	-0.361	-0.403	34.905	28.050	4.39
1000	-0.367	-0.409	34.906	28.051	4.32

B91.608					
depth	temp	theta	salnty	sig_th	delta
1010	-0.369	-0.412	34.906	28.051	4.27
1020	-0.375	-0.418	34.907	28.052	4.17
1030	-0.391	-0.434	34.907	28.053	4.00
1040	-0.406	-0.450	34.907	28.054	3.85
1050	-0.414	-0.459	34.908	28.055	3.76
1060	-0.421	-0.466	34.908	28.056	3.67
1070	-0.430	-0.476	34.909	28.057	3.52
1080	-0.439	-0.485	34.909	28.057	3.44
1090	-0.441	-0.488	34.911	28.059	3.29
1100	-0.451	-0.498	34.911	28.059	3.19
1110	-0.458	-0.505	34.911	28.060	3.12
1120	-0.469	-0.517	34.912	28.061	2.96
1130	-0.472	-0.520	34.912	28.061	2.94
1140	-0.481	-0.530	34.912	28.062	2.82
1150	-0.483	-0.532	34.912	28.062	2.83
1160	-0.493	-0.543	34.913	28.063	2.65
1170	-0.502	-0.552	34.913	28.064	2.56
1180	-0.512	-0.562	34.914	28.065	2.40
1190	-0.523	-0.574	34.914	28.065	2.31
1200	-0.533	-0.585	34.914	28.066	2.19
1210	-0.541	-0.593	34.914	28.067	2.10
1220	-0.548	-0.600	34.915	28.067	2.02
1230	-0.552	-0.604	34.915	28.067	1.96
1240	-0.561	-0.614	34.915	28.068	1.85
1250	-0.575	-0.629	34.916	28.069	1.68
1260	-0.578	-0.632	34.915	28.069	1.65
1270	-0.594	-0.648	34.916	28.070	1.50
1280	-0.597	-0.652	34.915	28.070	1.49
1290	-0.610	-0.665	34.916	28.071	1.30
1300	-0.619	-0.675	34.917	28.072	1.19
1310	-0.631	-0.687	34.916	28.072	1.10
1320	-0.637	-0.693	34.916	28.073	1.03
1330	-0.642	-0.699	34.917	28.073	0.96
1340	-0.651	-0.708	34.916	28.074	0.88
1350	-0.662	-0.720	34.917	28.074	0.76
1360	-0.692	-0.750	34.917	28.076	0.48
1370	-0.701	-0.759	34.917	28.076	0.41
1380	-0.701	-0.760	34.917	28.076	0.39
1390	-0.701	-0.761	34.917	28.076	0.37
1400	-0.701	-0.761	34.916	28.076	0.38
1410	-0.700	-0.761	34.916	28.076	0.37
1420	-0.700	-0.761	34.916	28.076	0.36
1430	-0.699	-0.761	34.916	28.076	0.35
1440	-0.698	-0.760	34.916	28.076	0.34
1450	-0.698	-0.761	34.916	28.076	0.32

B91.609					
depth	temp	theta	salnty	sig_th	delta
5	3.383	3.382	30.235	24.052	385.09
10	3.380	3.379	30.239	24.055	384.78
15	3.345	3.344	30.272	24.085	381.98
20	3.058	3.057	30.559	24.337	357.92
25	2.969	2.967	30.884	24.603	332.59
30	1.233	1.231	31.801	25.460	250.94
35	-1.444	-1.444	32.821	26.401	161.34
40	-1.579	-1.580	32.999	26.549	147.30
45	-1.575	-1.576	33.134	26.658	136.89
50	-1.577	-1.578	33.257	26.758	127.34
55	-1.614	-1.615	33.414	26.887	115.13
60	-1.592	-1.593	33.467	26.929	111.10
65	-1.503	-1.505	33.570	27.010	103.38
70	-1.523	-1.524	33.742	27.151	90.08
75	-1.544	-1.546	33.861	27.248	80.80
80	-1.541	-1.543	33.908	27.286	77.17
85	-1.524	-1.526	34.008	27.367	69.48
90	-1.513	-1.515	34.035	27.388	67.46
95	-1.485	-1.488	34.076	27.421	64.38
100	-1.463	-1.465	34.100	27.440	62.58
110	-1.242	-1.245	34.201	27.515	55.52
120	-1.086	-1.089	34.277	27.571	50.21
130	-0.872	-0.875	34.345	27.618	45.79
140	-0.484	-0.489	34.435	27.674	40.65
150	-0.211	-0.216	34.504	27.717	36.68
160	0.253	0.246	34.610	27.778	31.08
170	0.541	0.534	34.673	27.812	28.08
180	0.643	0.635	34.695	27.824	27.03
190	0.960	0.951	34.756	27.853	24.48
200	1.206	1.197	34.801	27.872	22.81
210	1.441	1.431	34.842	27.889	21.40
220	1.698	1.687	34.886	27.905	20.10
230	1.884	1.872	34.921	27.918	18.98
240	1.876	1.863	34.926	27.923	18.54
250	1.819	1.806	34.928	27.930	17.97
260	1.738	1.724	34.924	27.932	17.69
270	1.620	1.606	34.919	27.937	17.22
280	1.594	1.579	34.915	27.936	17.31
290	1.561	1.546	34.915	27.939	17.11
300	1.525	1.509	34.914	27.940	16.95
310	1.412	1.397	34.906	27.943	16.68
320	1.397	1.381	34.905	27.943	16.73
330	1.389	1.373	34.904	27.943	16.75
340	1.388	1.371	34.905	27.944	16.68
350	1.370	1.352	34.907	27.946	16.47
360	1.370	1.351	34.907	27.946	16.48
370	1.365	1.346	34.909	27.949	16.29
380	1.331	1.312	34.910	27.952	16.00
390	1.251	1.231	34.913	27.960	15.19
400	1.208	1.188	34.911	27.962	15.04
410	1.184	1.164	34.909	27.962	15.04
420	1.171	1.150	34.910	27.963	14.95
430	1.150	1.129	34.908	27.963	14.92
440	1.148	1.126	34.908	27.963	14.98
450	1.134	1.112	34.907	27.964	14.91

B91.609					
depth	temp	theta	salnty	sig_th	delta
460	1.128	1.105	34.907	27.964	14.91
470	1.122	1.099	34.908	27.965	14.87
480	1.116	1.092	34.907	27.965	14.88
490	1.113	1.089	34.907	27.965	14.91
500	1.113	1.088	34.907	27.965	14.92
510	1.113	1.088	34.907	27.965	14.94
520	1.112	1.086	34.907	27.965	14.98
530	1.108	1.082	34.907	27.966	14.93
540	1.110	1.083	34.908	27.966	14.97
550	1.112	1.084	34.908	27.966	15.00
560	1.056	1.028	34.906	27.968	14.72
570	1.025	0.996	34.905	27.970	14.56
580	1.014	0.985	34.905	27.970	14.49
590	1.007	0.978	34.907	27.972	14.37
600	0.961	0.931	34.906	27.975	14.07
610	0.874	0.844	34.904	27.979	13.55
620	0.742	0.712	34.902	27.986	12.69
630	0.702	0.672	34.902	27.988	12.46
640	0.680	0.650	34.901	27.989	12.33
650	0.674	0.643	34.901	27.989	12.32
660	0.657	0.626	34.901	27.990	12.23
670	0.642	0.610	34.900	27.991	12.17

B91.612					
depth	temp	theta	salnty	sig_th	delta
5	3.966	3.965	31.316	24.860	308.12
10	3.968	3.967	31.310	24.855	308.62
15	3.979	3.978	31.350	24.886	305.73
20	3.674	3.673	31.552	25.075	287.72
25	3.349	3.348	31.624	25.162	279.50
30	2.163	2.161	32.022	25.575	240.16
35	1.380	1.379	32.271	25.828	216.05
40	1.093	1.091	32.365	25.921	207.14
45	0.712	0.711	32.540	26.084	191.60
50	0.479	0.478	32.623	26.164	183.99
55	0.277	0.275	32.687	26.226	178.07
60	0.082	0.080	32.748	26.285	172.48
65	0.038	0.036	32.763	26.299	171.08
70	-0.117	-0.119	32.813	26.346	166.55
75	-0.246	-0.249	32.878	26.405	160.98
80	-0.497	-0.499	33.080	26.579	144.39
85	-0.725	-0.727	33.503	26.930	111.07
90	-0.710	-0.713	33.531	26.952	108.94
95	-0.703	-0.705	33.527	26.949	109.24
100	-0.717	-0.720	33.604	27.012	103.28
110	-0.758	-0.761	33.722	27.108	94.08
120	-0.869	-0.872	33.954	27.301	75.79

B91.613					
depth	temp	theta	salnty	sig_th	delta
5	3.683	3.682	30.446	24.194	371.56
10	3.685	3.685	30.443	24.192	371.79
15	3.674	3.673	30.453	24.200	371.00
20	3.280	3.279	30.725	24.451	347.10
25	2.805	2.804	30.971	24.686	324.72
30	1.910	1.908	31.370	25.071	288.00
35	0.865	0.863	31.818	25.495	247.58
40	-0.177	-0.179	32.186	25.843	214.44
45	-0.941	-0.942	32.452	26.086	191.20
50	-1.473	-1.474	32.758	26.351	166.01
55	-1.508	-1.509	32.885	26.454	156.16
60	-1.494	-1.495	32.941	26.500	151.79
65	-1.498	-1.500	33.037	26.577	144.42
70	-1.528	-1.530	33.083	26.616	140.72
75	-1.531	-1.533	33.170	26.686	133.99
80	-1.544	-1.546	33.268	26.767	126.35
85	-1.545	-1.547	33.359	26.840	119.37
90	-1.536	-1.538	33.390	26.865	116.95
95	-1.524	-1.526	33.477	26.935	110.29
100	-1.405	-1.407	33.640	27.065	98.05
110	-1.337	-1.340	33.774	27.171	87.93
120	-1.329	-1.332	33.837	27.222	83.08
130	-1.438	-1.442	33.899	27.276	77.91
140	-1.323	-1.326	33.995	27.350	70.86
150	-1.276	-1.279	34.020	27.369	69.06
160	-1.219	-1.223	34.074	27.411	65.08
170	-1.117	-1.122	34.143	27.463	60.16
180	-0.978	-0.983	34.180	27.488	57.79
190	-0.632	-0.638	34.333	27.598	47.59
200	-0.521	-0.527	34.400	27.647	43.00
210	-0.431	-0.439	34.427	27.665	41.38
220	-0.336	-0.344	34.474	27.699	38.21
230	-0.235	-0.243	34.510	27.723	35.98
240	-0.173	-0.182	34.545	27.748	33.67
250	-0.094	-0.103	34.573	27.767	31.97
260	-0.046	-0.056	34.593	27.780	30.71
270	0.034	0.023	34.608	27.789	29.95
280	0.075	0.064	34.635	27.808	28.15
290	0.079	0.068	34.637	27.810	28.03
300	0.093	0.081	34.642	27.813	27.72
310	0.094	0.082	34.635	27.807	28.31
320	0.095	0.082	34.643	27.813	27.70

B91.614					
depth	temp	theta	salnty	sig_th	delta
5	4.083	4.082	30.496	24.198	371.22
10	4.082	4.082	30.496	24.198	371.26
15	4.082	4.081	30.496	24.197	371.29
20	4.082	4.080	30.495	24.197	371.36
25	4.082	4.080	30.495	24.197	371.37
30	4.084	4.082	30.508	24.207	370.41
35	3.192	3.190	31.015	24.689	324.45
40	1.351	1.349	31.576	25.272	268.81
45	-0.426	-0.427	32.194	25.860	212.78
50	-0.903	-0.904	32.448	26.082	191.53
55	-1.016	-1.017	32.514	26.139	186.11
60	-1.266	-1.268	32.709	26.304	170.34
65	-1.433	-1.435	32.871	26.441	157.32
70	-1.582	-1.584	32.915	26.481	153.49
75	-1.599	-1.601	33.008	26.557	146.24
80	-1.612	-1.614	33.112	26.641	138.21
85	-1.616	-1.617	33.194	26.708	131.85
90	-1.619	-1.621	33.266	26.767	126.27
95	-1.623	-1.625	33.418	26.890	114.55
100	-1.623	-1.625	33.455	26.920	111.67
110	-1.619	-1.622	33.529	26.980	105.90
120	-1.587	-1.590	33.812	27.209	84.20
130	-1.563	-1.566	33.912	27.290	76.48
140	-1.503	-1.506	34.004	27.363	69.57
150	-1.382	-1.386	34.086	27.426	63.64
160	-1.206	-1.210	34.202	27.514	55.36
170	-1.018	-1.023	34.278	27.569	50.19
180	-0.815	-0.820	34.352	27.621	45.37
190	-0.606	-0.612	34.409	27.659	41.91
200	-0.434	-0.441	34.459	27.691	38.94
210	-0.210	-0.218	34.538	27.744	34.04
220	-0.027	-0.035	34.592	27.779	30.88
230	0.086	0.077	34.624	27.799	29.08
240	0.180	0.171	34.650	27.815	27.63
250	0.364	0.353	34.700	27.845	24.95
260	0.418	0.407	34.717	27.855	24.02
270	0.451	0.440	34.727	27.861	23.51
280	0.451	0.439	34.728	27.862	23.42
290	0.458	0.446	34.730	27.863	23.34
300	0.457	0.444	34.730	27.863	23.34

B91.615					
depth	temp	theta	salnty	sig_th	delta
5	3.870	3.869	30.731	24.404	351.55
10	3.879	3.878	30.732	24.404	351.61
15	3.874	3.873	30.731	24.404	351.63
20	3.883	3.881	30.735	24.406	351.39
25	2.672	2.671	31.203	24.882	306.06
30	0.211	0.210	32.064	25.727	225.51
35	-0.557	-0.558	32.303	25.952	204.04
40	-1.325	-1.326	32.513	26.147	185.40
45	-1.315	-1.316	32.537	26.167	183.50
50	-1.181	-1.182	32.684	26.282	172.53
55	-1.284	-1.285	32.793	26.373	163.87
60	-1.315	-1.317	32.892	26.454	156.12
65	-1.375	-1.377	32.954	26.507	151.10
70	-1.482	-1.483	33.086	26.617	140.60
75	-1.526	-1.527	33.174	26.689	133.71
80	-1.526	-1.528	33.324	26.812	122.09
85	-1.541	-1.543	33.457	26.920	111.80
90	-1.569	-1.571	33.580	27.020	102.26
95	-1.580	-1.582	33.666	27.091	95.54
100	-1.571	-1.574	33.694	27.113	93.45
110	-1.542	-1.544	33.809	27.206	84.59
120	-1.550	-1.553	33.939	27.311	74.55
130	-1.549	-1.552	34.025	27.381	67.88
140	-1.535	-1.539	34.088	27.432	63.04
150	-1.528	-1.531	34.106	27.446	61.65
160	-1.477	-1.481	34.138	27.471	59.29
170	-1.331	-1.335	34.200	27.516	55.02
180	-1.105	-1.110	34.272	27.567	50.28
190	-0.964	-0.969	34.313	27.595	47.67
200	-0.900	-0.906	34.335	27.611	46.21
210	-0.560	-0.567	34.426	27.670	40.78
220	-0.302	-0.310	34.500	27.718	36.45
230	-0.086	-0.095	34.557	27.753	33.23
240	0.324	0.314	34.653	27.809	28.25
250	0.478	0.467	34.687	27.827	26.70
260	0.549	0.538	34.702	27.835	25.97
270	0.742	0.730	34.738	27.852	24.56
280	1.016	1.003	34.784	27.872	22.92
290	1.326	1.312	34.833	27.890	21.51
300	1.440	1.424	34.853	27.898	20.92
310	1.588	1.572	34.874	27.904	20.46
320	1.685	1.668	34.895	27.913	19.71
330	1.683	1.665	34.907	27.923	18.85
340	1.670	1.652	34.913	27.929	18.29
350	1.617	1.598	34.915	27.935	17.77
360	1.592	1.573	34.919	27.940	17.33
370	1.544	1.525	34.921	27.945	16.81
380	1.524	1.504	34.920	27.946	16.76
390	1.435	1.415	34.919	27.952	16.15
400	1.352	1.332	34.914	27.953	15.96
410	1.231	1.210	34.909	27.958	15.43
420	1.206	1.186	34.909	27.960	15.29
430	1.140	1.118	34.906	27.962	15.03
440	1.060	1.039	34.903	27.965	14.65
450	0.981	0.959	34.902	27.969	14.20

B91.615					
depth	temp	theta	salnty	sig_th	delta
460	0.942	0.919	34.901	27.971	14.01
470	0.919	0.896	34.900	27.972	13.91
480	0.879	0.857	34.899	27.974	13.70
490	0.856	0.833	34.899	27.975	13.57
500	0.838	0.814	34.899	27.976	13.46
510	0.776	0.752	34.899	27.981	13.01
520	0.765	0.740	34.898	27.981	13.01
530	0.728	0.703	34.898	27.983	12.73
540	0.664	0.639	34.899	27.987	12.26
550	0.634	0.609	34.898	27.989	12.13
560	0.596	0.570	34.898	27.991	11.85
570	0.555	0.529	34.898	27.993	11.59
580	0.542	0.515	34.898	27.994	11.48
590	0.509	0.482	34.897	27.996	11.30
600	0.479	0.452	34.897	27.997	11.13
610	0.449	0.421	34.896	27.999	10.95
620	0.422	0.394	34.896	28.000	10.80
630	0.405	0.376	34.896	28.001	10.68
640	0.389	0.360	34.895	28.001	10.64
650	0.361	0.331	34.894	28.003	10.50
660	0.342	0.312	34.895	28.004	10.36
670	0.280	0.250	34.894	28.007	9.93
680	0.260	0.230	34.894	28.008	9.79
690	0.234	0.204	34.893	28.009	9.73
700	0.233	0.202	34.893	28.009	9.69
710	0.234	0.202	34.893	28.009	9.74
720	0.232	0.200	34.895	28.010	9.59
730	0.234	0.202	34.893	28.009	9.71
740	0.232	0.199	34.893	28.009	9.71
750	0.230	0.196	34.893	28.009	9.68
760	0.229	0.195	34.893	28.010	9.68
770	0.231	0.196	34.893	28.009	9.70
780	0.236	0.201	34.893	28.009	9.74
790	0.230	0.195	34.894	28.010	9.69
800	0.239	0.203	34.893	28.009	9.79
810	0.240	0.203	34.893	28.009	9.79
820	0.230	0.193	34.894	28.010	9.64

B91.616					
depth	temp	theta	salnty	sig_th	delta
5	3.089	3.089	30.723	24.465	345.71
10	3.090	3.089	30.723	24.465	345.72
15	3.091	3.090	30.724	24.466	345.64
20	3.090	3.089	30.725	24.467	345.58
25	3.060	3.059	30.960	24.657	327.51
30	2.131	2.130	32.313	25.810	217.78
35	1.261	1.259	32.428	25.961	203.35
40	1.138	1.137	33.115	26.521	150.22
45	0.478	0.476	33.414	26.801	123.61
50	-0.189	-0.190	33.713	27.077	97.41
55	-0.325	-0.327	33.880	27.218	84.03
60	-0.398	-0.399	34.145	27.435	63.42
65	-0.683	-0.685	34.208	27.499	57.27
70	-1.074	-1.076	34.244	27.544	52.96
75	-1.052	-1.054	34.274	27.567	50.74
80	-0.873	-0.876	34.311	27.590	48.57
85	-0.737	-0.739	34.344	27.611	46.59
90	-0.670	-0.672	34.369	27.629	44.93
95	-0.619	-0.622	34.400	27.652	42.81
100	-0.576	-0.579	34.422	27.667	41.32
110	-0.402	-0.405	34.489	27.714	36.94
120	-0.354	-0.358	34.525	27.741	34.43
130	-0.279	-0.283	34.553	27.760	32.61
140	-0.237	-0.242	34.582	27.781	30.64
150	0.027	0.021	34.634	27.809	28.05
160	0.255	0.249	34.669	27.825	26.67
170	0.513	0.506	34.718	27.850	24.42
180	0.874	0.866	34.773	27.872	22.62
190	1.127	1.118	34.809	27.884	21.59
200	1.295	1.285	34.833	27.892	20.98
210	1.512	1.501	34.875	27.910	19.42
220	1.539	1.528	34.884	27.915	19.04
230	1.684	1.672	34.901	27.918	18.90
240	1.640	1.628	34.907	27.926	18.12
250	1.653	1.640	34.916	27.932	17.61
260	1.615	1.602	34.919	27.938	17.08
270	1.530	1.516	34.918	27.943	16.59
280	1.467	1.453	34.917	27.947	16.18
290	1.402	1.387	34.916	27.951	15.80
300	1.331	1.316	34.913	27.954	15.54
310	1.293	1.278	34.911	27.955	15.41
320	1.217	1.201	34.909	27.959	15.03
330	1.171	1.155	34.907	27.960	14.89
340	1.098	1.081	34.905	27.964	14.54
350	1.076	1.059	34.903	27.964	14.52
360	1.049	1.032	34.903	27.965	14.38
370	1.019	1.001	34.903	27.968	14.15
380	0.973	0.955	34.903	27.970	13.88
390	0.953	0.934	34.902	27.971	13.85
400	0.920	0.901	34.902	27.973	13.63
410	0.885	0.866	34.901	27.975	13.43
420	0.866	0.847	34.901	27.976	13.31
430	0.824	0.804	34.901	27.979	13.05
440	0.802	0.782	34.901	27.980	12.93
450	0.771	0.750	34.900	27.982	12.77

B91.616					
depth	temp	theta	salnty	sig_th	delta
460	0.749	0.727	34.901	27.983	12.60
470	0.715	0.694	34.899	27.985	12.45
480	0.665	0.643	34.897	27.986	12.28
490	0.627	0.604	34.896	27.988	12.10
500	0.587	0.564	34.897	27.990	11.80
510	0.525	0.502	34.895	27.993	11.52
520	0.514	0.491	34.894	27.993	11.47
530	0.511	0.487	34.896	27.994	11.36
540	0.477	0.453	34.895	27.996	11.22
550	0.461	0.436	34.894	27.996	11.17
560	0.440	0.415	34.894	27.997	11.03
570	0.411	0.386	34.893	27.998	10.90
580	0.378	0.352	34.894	28.001	10.63
590	0.353	0.327	34.893	28.002	10.51
600	0.328	0.301	34.893	28.003	10.36
610	0.313	0.286	34.893	28.004	10.22
620	0.282	0.255	34.892	28.005	10.07
630	0.251	0.223	34.893	28.007	9.82
640	0.240	0.212	34.892	28.007	9.82
650	0.209	0.181	34.892	28.009	9.60
660	0.166	0.138	34.892	28.012	9.27
670	0.141	0.112	34.892	28.013	9.09
680	0.117	0.088	34.893	28.015	8.91
690	0.093	0.063	34.893	28.016	8.75
700	0.078	0.048	34.893	28.017	8.62
710	0.057	0.026	34.893	28.019	8.42
720	0.047	0.016	34.894	28.020	8.30
730	0.038	0.007	34.894	28.020	8.26
740	0.025	-0.007	34.894	28.021	8.16
750	-0.001	-0.033	34.895	28.023	7.91
760	-0.023	-0.055	34.896	28.026	7.64
770	-0.035	-0.068	34.897	28.027	7.51
780	-0.054	-0.088	34.896	28.027	7.44
790	-0.069	-0.103	34.896	28.028	7.31
800	-0.081	-0.115	34.897	28.029	7.20
810	-0.093	-0.128	34.897	28.030	7.06
820	-0.111	-0.146	34.898	28.031	6.90
830	-0.121	-0.157	34.898	28.032	6.77
840	-0.142	-0.178	34.898	28.034	6.61
850	-0.157	-0.193	34.900	28.036	6.36
860	-0.168	-0.204	34.900	28.036	6.28
870	-0.177	-0.214	34.900	28.036	6.25
880	-0.186	-0.224	34.901	28.038	6.11
890	-0.199	-0.237	34.901	28.039	5.95
900	-0.212	-0.250	34.901	28.039	5.87
910	-0.224	-0.263	34.901	28.040	5.82
920	-0.234	-0.273	34.902	28.041	5.62
930	-0.245	-0.285	34.902	28.042	5.56
940	-0.254	-0.294	34.902	28.042	5.48
950	-0.265	-0.305	34.903	28.044	5.31
960	-0.280	-0.321	34.904	28.045	5.15
970	-0.292	-0.333	34.904	28.046	5.04
980	-0.308	-0.350	34.904	28.047	4.89
990	-0.318	-0.360	34.905	28.048	4.75
1000	-0.330	-0.372	34.906	28.050	4.56

B91.616					
depth	temp	theta	salnty	sig_th	delta
1010	-0.337	-0.380	34.906	28.050	4.51
1020	-0.345	-0.389	34.906	28.050	4.43
1030	-0.355	-0.399	34.906	28.051	4.33
1040	-0.362	-0.406	34.907	28.052	4.25
1050	-0.374	-0.419	34.907	28.053	4.09
1060	-0.378	-0.423	34.907	28.053	4.05
1070	-0.385	-0.430	34.908	28.054	3.94
1080	-0.393	-0.439	34.908	28.054	3.86
1090	-0.408	-0.455	34.908	28.055	3.70
1100	-0.415	-0.462	34.908	28.056	3.64
1110	-0.428	-0.475	34.909	28.057	3.50
1120	-0.436	-0.484	34.910	28.058	3.36
1130	-0.448	-0.496	34.910	28.059	3.21
1140	-0.458	-0.507	34.911	28.060	3.07
1150	-0.468	-0.517	34.911	28.061	2.97
1160	-0.480	-0.529	34.912	28.061	2.85
1170	-0.492	-0.542	34.913	28.063	2.66
1180	-0.498	-0.548	34.913	28.064	2.57
1190	-0.503	-0.554	34.913	28.064	2.51
1200	-0.512	-0.564	34.914	28.065	2.39
1210	-0.520	-0.572	34.914	28.065	2.30
1220	-0.527	-0.579	34.914	28.065	2.24
1230	-0.538	-0.591	34.915	28.067	2.07
1240	-0.551	-0.604	34.915	28.068	1.94
1250	-0.562	-0.616	34.915	28.068	1.82
1260	-0.568	-0.621	34.915	28.069	1.76
1270	-0.573	-0.627	34.915	28.069	1.68
1280	-0.592	-0.647	34.915	28.070	1.53
1290	-0.595	-0.650	34.915	28.070	1.49
1300	-0.602	-0.658	34.915	28.070	1.41
1310	-0.614	-0.670	34.916	28.071	1.29
1320	-0.618	-0.675	34.916	28.072	1.21
1330	-0.627	-0.685	34.916	28.072	1.15
1340	-0.638	-0.695	34.916	28.073	1.01
1350	-0.643	-0.701	34.916	28.073	0.97
1360	-0.647	-0.706	34.916	28.073	0.91
1370	-0.651	-0.710	34.916	28.073	0.86
1380	-0.661	-0.720	34.916	28.074	0.75
1390	-0.680	-0.740	34.917	28.075	0.55
1400	-0.687	-0.747	34.916	28.075	0.50
1410	-0.687	-0.748	34.916	28.075	0.47
1420	-0.689	-0.750	34.917	28.075	0.43
1430	-0.688	-0.750	34.916	28.075	0.43
1440	-0.689	-0.752	34.918	28.077	0.26

B91.617					
depth	temp	theta	salnty	sig_th	delta
5	4.256	4.256	32.304	25.617	236.14
10	4.310	4.309	32.329	25.631	234.84
15	4.322	4.321	32.334	25.634	234.60
20	4.748	4.746	32.640	25.832	215.79
25	5.655	5.653	33.681	26.553	147.46
30	5.074	5.072	34.047	26.911	113.54
35	2.901	2.899	34.323	27.353	71.52
40	1.651	1.649	34.403	27.520	55.66
45	1.036	1.034	34.424	27.580	49.89
50	0.125	0.123	34.427	27.637	44.37
55	-0.161	-0.163	34.438	27.661	42.12
60	-0.041	-0.043	34.477	27.686	39.74
65	1.049	1.046	34.572	27.698	38.76
70	1.420	1.417	34.625	27.716	37.23
75	1.894	1.890	34.696	27.737	35.30
80	1.746	1.742	34.707	27.757	33.43
85	1.682	1.678	34.705	27.761	33.09
90	1.850	1.846	34.737	27.773	31.94
95	1.889	1.884	34.754	27.784	30.97
100	0.902	0.898	34.699	27.810	28.26
110	0.861	0.856	34.705	27.818	27.53
120	1.152	1.146	34.741	27.828	26.72
130	1.240	1.234	34.779	27.852	24.50
140	1.242	1.236	34.795	27.864	23.36
150	1.182	1.175	34.806	27.878	22.09
160	1.071	1.063	34.809	27.888	21.16
170	1.095	1.087	34.827	27.901	19.97
180	0.995	0.987	34.827	27.908	19.29
190	1.073	1.064	34.846	27.917	18.45
200	1.062	1.052	34.851	27.922	18.02
210	1.089	1.080	34.860	27.927	17.54
220	1.095	1.084	34.870	27.935	16.83
230	1.011	1.000	34.870	27.941	16.29
240	1.002	0.991	34.874	27.945	15.93
250	0.967	0.955	34.876	27.949	15.57
260	0.733	0.721	34.862	27.953	15.05
270	0.730	0.718	34.857	27.949	15.42
280	0.686	0.674	34.861	27.955	14.85
290	0.396	0.384	34.847	27.961	14.02
300	0.365	0.353	34.849	27.965	13.67
310	0.334	0.321	34.850	27.967	13.46
320	0.305	0.292	34.852	27.971	13.07
330	0.277	0.263	34.854	27.974	12.78
340	0.319	0.305	34.861	27.977	12.55
350	0.472	0.457	34.876	27.981	12.35
360	0.471	0.455	34.881	27.984	12.01
370	0.445	0.429	34.881	27.986	11.84
380	0.365	0.349	34.883	27.992	11.20
390	0.350	0.333	34.885	27.995	10.95
400	0.326	0.309	34.887	27.998	10.62
410	0.296	0.279	34.889	28.001	10.30
420	0.254	0.236	34.890	28.005	9.94
430	0.227	0.209	34.890	28.006	9.78
440	0.207	0.189	34.894	28.010	9.37
450	0.163	0.144	34.892	28.011	9.21

B91.617					
depth	temp	theta	salnty	sig_th	delta
460	0.144	0.124	34.895	28.015	8.85
470	0.131	0.112	34.895	28.016	8.76
480	0.127	0.107	34.896	28.017	8.69
490	0.102	0.082	34.896	28.018	8.49
500	0.077	0.056	34.897	28.020	8.28
510	0.028	0.007	34.896	28.022	8.01
520	0.013	-0.008	34.897	28.024	7.85
530	-0.011	-0.032	34.898	28.026	7.64
540	-0.037	-0.060	34.899	28.028	7.40
550	-0.062	-0.085	34.899	28.029	7.24
560	-0.077	-0.100	34.899	28.030	7.12
570	-0.110	-0.133	34.900	28.033	6.82
580	-0.131	-0.155	34.900	28.034	6.66
590	-0.146	-0.170	34.901	28.035	6.51
600	-0.163	-0.187	34.901	28.036	6.39
610	-0.184	-0.209	34.902	28.038	6.20
620	-0.200	-0.225	34.903	28.039	6.03
630	-0.210	-0.236	34.903	28.040	5.94
640	-0.241	-0.267	34.904	28.043	5.62
650	-0.278	-0.304	34.904	28.045	5.37
660	-0.313	-0.339	34.906	28.048	5.02
670	-0.327	-0.353	34.906	28.049	4.91
680	-0.387	-0.413	34.908	28.053	4.33
690	-0.423	-0.450	34.909	28.055	4.07
700	-0.470	-0.497	34.910	28.059	3.62
710	-0.496	-0.523	34.911	28.061	3.41
720	-0.506	-0.533	34.911	28.061	3.32
730	-0.505	-0.534	34.911	28.061	3.30
740	-0.506	-0.534	34.911	28.061	3.28
750	-0.504	-0.534	34.911	28.061	3.31
760	-0.503	-0.533	34.910	28.061	3.32
770	-0.503	-0.533	34.911	28.061	3.26
780	-0.503	-0.534	34.910	28.061	3.30
790	-0.504	-0.535	34.911	28.061	3.25

B91.620					
depth	temp	theta	salnty	sig_th	delta
5	3.571	3.571	30.275	24.068	383.57
10	3.567	3.567	30.285	24.076	382.78
15	3.738	3.737	30.460	24.200	370.99
20	3.826	3.825	30.542	24.258	365.52
25	3.717	3.716	30.583	24.301	361.48
30	2.703	2.701	31.044	24.752	318.44
35	2.239	2.238	31.483	25.138	281.70
40	1.683	1.682	31.784	25.418	255.03
45	-0.588	-0.589	32.285	25.939	205.25
50	-1.350	-1.351	32.568	26.193	181.01
55	-1.517	-1.518	32.770	26.361	164.97
60	-1.613	-1.614	32.894	26.464	155.14
65	-1.622	-1.623	33.114	26.643	138.15
70	-1.626	-1.628	33.187	26.702	132.49
75	-1.623	-1.624	33.263	26.764	126.60
80	-1.579	-1.581	33.389	26.866	116.97
85	-1.497	-1.499	33.433	26.899	113.79
90	-1.440	-1.442	33.556	26.997	104.46
95	-1.438	-1.441	33.616	27.046	99.87
100	-1.462	-1.464	33.683	27.101	94.62
110	-1.440	-1.443	33.870	27.253	80.21
120	-1.476	-1.479	33.953	27.321	73.68
130	-1.295	-1.299	34.118	27.449	61.56
140	-1.214	-1.218	34.176	27.493	57.41
150	-1.070	-1.074	34.247	27.546	52.47
160	-0.806	-0.811	34.348	27.618	45.74
170	-0.583	-0.588	34.416	27.663	41.56
180	-0.407	-0.413	34.471	27.700	38.14
190	-0.174	-0.181	34.532	27.737	34.72
200	0.069	0.061	34.598	27.779	30.96
210	0.261	0.253	34.652	27.812	27.98
220	0.572	0.563	34.716	27.845	25.02
230	0.779	0.769	34.761	27.869	22.95
240	0.936	0.925	34.787	27.879	22.09
250	1.070	1.058	34.813	27.891	21.08
260	1.152	1.140	34.833	27.902	20.18
270	1.190	1.177	34.842	27.906	19.78
280	1.202	1.189	34.851	27.913	19.20
290	1.600	1.585	34.889	27.915	19.40
300	1.761	1.745	34.914	27.923	18.79
310	1.691	1.674	34.913	27.928	18.35
320	1.330	1.314	34.884	27.931	17.75
330	1.314	1.297	34.883	27.931	17.75
340	1.344	1.327	34.889	27.934	17.54
350	1.328	1.310	34.890	27.936	17.41
360	1.302	1.284	34.893	27.940	17.01
370	1.265	1.246	34.897	27.946	16.45
380	1.163	1.145	34.890	27.948	16.23
390	1.090	1.071	34.886	27.949	16.03
400	1.040	1.021	34.885	27.952	15.77
410	1.034	1.015	34.892	27.957	15.26
420	1.019	0.999	34.893	27.960	15.03
430	1.000	0.980	34.897	27.964	14.62
440	0.973	0.951	34.900	27.968	14.27
450	0.927	0.906	34.900	27.972	13.91

B91.620					
depth	temp	theta	salnty	sig_th	delta
460	0.922	0.900	34.900	27.972	13.90
470	0.912	0.890	34.900	27.972	13.86
480	0.842	0.819	34.900	27.977	13.39
490	0.826	0.802	34.899	27.978	13.31
500	0.781	0.757	34.899	27.981	12.99
510	0.731	0.707	34.899	27.983	12.70
520	0.692	0.668	34.898	27.985	12.48
530	0.660	0.636	34.897	27.987	12.32
540	0.608	0.583	34.897	27.989	11.98
550	0.576	0.551	34.896	27.991	11.81
560	0.542	0.517	34.897	27.993	11.56
570	0.526	0.500	34.896	27.994	11.48
580	0.488	0.462	34.895	27.996	11.27
590	0.463	0.437	34.895	27.997	11.11
600	0.449	0.422	34.895	27.998	11.03
610	0.435	0.408	34.895	27.998	10.97
620	0.424	0.396	34.895	27.999	10.92
630	0.397	0.368	34.895	28.001	10.73
640	0.377	0.348	34.894	28.001	10.63
650	0.361	0.331	34.894	28.003	10.50
660	0.330	0.300	34.894	28.004	10.31
670	0.253	0.224	34.894	28.008	9.80
680	0.207	0.177	34.893	28.011	9.48
690	0.199	0.169	34.893	28.011	9.44
700	0.188	0.157	34.893	28.011	9.41
710	0.178	0.147	34.893	28.012	9.34
720	0.177	0.145	34.893	28.012	9.33
730	0.172	0.140	34.893	28.012	9.30
740	0.166	0.133	34.893	28.012	9.28
750	0.166	0.132	34.893	28.013	9.25
760	0.164	0.130	34.893	28.013	9.24
770	0.162	0.128	34.893	28.013	9.21
780	0.158	0.123	34.893	28.013	9.17
790	0.145	0.110	34.893	28.014	9.09
800	0.146	0.110	34.893	28.014	9.09
810	0.142	0.106	34.893	28.014	9.07

B91.621					
depth	temp	theta	salnty	sig_th	delta
5	2.944	2.943	30.731	24.483	344.00
10	2.950	2.950	30.723	24.476	344.68
15	2.862	2.861	30.795	24.541	338.54
20	2.807	2.805	31.247	24.906	303.72
25	2.851	2.850	31.443	25.059	289.19
30	-0.823	-0.823	32.721	26.301	170.97
35	-1.541	-1.542	32.984	26.536	148.57
40	-1.514	-1.515	33.077	26.611	141.42
45	-1.548	-1.549	33.253	26.754	127.75
50	-1.467	-1.468	33.405	26.875	116.28
55	-1.458	-1.459	33.649	27.074	97.46
60	-1.535	-1.536	33.742	27.151	90.11
65	-1.599	-1.600	33.789	27.191	86.24
70	-1.577	-1.578	33.856	27.245	81.12
75	-1.567	-1.568	33.921	27.297	76.14
80	-1.470	-1.472	33.971	27.335	72.57
85	-1.432	-1.434	34.021	27.374	68.83
90	-1.339	-1.341	34.096	27.433	63.32
95	-1.318	-1.320	34.142	27.469	59.83
100	-1.202	-1.204	34.150	27.472	59.60
110	-0.787	-0.790	34.247	27.535	53.75
120	-0.575	-0.579	34.405	27.654	42.58
130	-0.479	-0.483	34.465	27.698	38.38
140	-0.509	-0.513	34.516	27.741	34.32
150	0.021	0.015	34.611	27.792	29.72
160	0.465	0.458	34.687	27.828	26.53
170	0.812	0.804	34.747	27.855	24.16
180	0.971	0.963	34.782	27.873	22.56
190	1.106	1.097	34.813	27.888	21.17
200	1.380	1.370	34.855	27.903	19.98
210	1.369	1.359	34.865	27.912	19.13
220	1.274	1.264	34.866	27.919	18.45
230	1.333	1.322	34.879	27.926	17.86
240	1.266	1.255	34.883	27.934	17.16
250	1.238	1.226	34.882	27.935	17.07
260	1.197	1.185	34.882	27.938	16.75
270	1.146	1.133	34.880	27.940	16.58
280	1.171	1.157	34.884	27.941	16.50
290	1.201	1.187	34.895	27.948	15.91
300	1.183	1.169	34.895	27.950	15.80
310	1.185	1.170	34.899	27.953	15.51
320	1.090	1.075	34.893	27.955	15.31
330	1.181	1.165	34.906	27.959	15.05
340	1.178	1.161	34.911	27.963	14.68
350	1.102	1.085	34.908	27.966	14.34
360	1.041	1.023	34.904	27.967	14.24
370	1.026	1.008	34.904	27.968	14.17
380	0.964	0.946	34.902	27.970	13.89
390	0.897	0.879	34.901	27.974	13.49
400	0.866	0.847	34.900	27.975	13.34
410	0.844	0.824	34.900	27.976	13.26
420	0.821	0.801	34.900	27.978	13.10
430	0.795	0.775	34.899	27.979	13.00
440	0.779	0.759	34.899	27.981	12.86
450	0.738	0.717	34.898	27.982	12.66

B91.621					
depth	temp	theta	salnty	sig_th	delta
460	0.715	0.693	34.898	27.984	12.54
470	0.673	0.651	34.898	27.986	12.23
480	0.640	0.618	34.898	27.988	12.05
490	0.591	0.568	34.897	27.991	11.76
500	0.551	0.528	34.896	27.992	11.55
510	0.520	0.497	34.896	27.994	11.39
520	0.511	0.488	34.896	27.994	11.35
530	0.485	0.461	34.896	27.996	11.19
540	0.447	0.423	34.895	27.997	10.99
550	0.422	0.397	34.895	27.999	10.82
560	0.400	0.375	34.894	28.000	10.74
570	0.373	0.347	34.894	28.002	10.52
580	0.342	0.316	34.893	28.003	10.40
590	0.308	0.282	34.893	28.004	10.17
600	0.284	0.257	34.892	28.005	10.10
610	0.266	0.239	34.893	28.007	9.92
620	0.242	0.215	34.892	28.008	9.79
630	0.216	0.188	34.892	28.009	9.63
640	0.197	0.169	34.892	28.009	9.54
650	0.165	0.136	34.892	28.011	9.31
660	0.151	0.122	34.892	28.012	9.21
670	0.138	0.109	34.892	28.013	9.10
680	0.117	0.088	34.893	28.015	8.89
690	0.098	0.068	34.892	28.016	8.79
700	0.075	0.044	34.893	28.017	8.59
710	0.054	0.023	34.892	28.018	8.49
720	0.038	0.007	34.893	28.019	8.36
730	0.018	-0.014	34.893	28.021	8.18
740	0.006	-0.026	34.893	28.022	8.07
750	-0.005	-0.038	34.894	28.022	7.98
760	-0.016	-0.048	34.894	28.023	7.87
770	-0.025	-0.058	34.894	28.024	7.81
780	-0.039	-0.072	34.895	28.025	7.64
790	-0.067	-0.101	34.895	28.027	7.40
800	-0.075	-0.109	34.896	28.028	7.32
810	-0.086	-0.121	34.896	28.029	7.20
820	-0.103	-0.138	34.897	28.030	7.04
830	-0.116	-0.152	34.897	28.031	6.92
840	-0.126	-0.162	34.898	28.032	6.78
850	-0.139	-0.175	34.898	28.033	6.67
860	-0.151	-0.188	34.898	28.034	6.57
870	-0.169	-0.206	34.899	28.035	6.39
880	-0.183	-0.220	34.899	28.036	6.23
890	-0.194	-0.232	34.900	28.037	6.12
900	-0.208	-0.246	34.900	28.039	5.96
910	-0.225	-0.264	34.901	28.040	5.81
920	-0.244	-0.283	34.901	28.041	5.62
930	-0.255	-0.295	34.902	28.043	5.44
940	-0.270	-0.310	34.903	28.044	5.31
950	-0.279	-0.320	34.902	28.044	5.26
960	-0.295	-0.336	34.902	28.045	5.12
970	-0.306	-0.347	34.903	28.046	5.01
980	-0.317	-0.358	34.903	28.046	4.92
990	-0.338	-0.379	34.905	28.049	4.63
1000	-0.343	-0.385	34.904	28.049	4.61

B91.621					
depth	temp	theta	salnty	sig_th	delta
1010	-0.357	-0.400	34.905	28.050	4.42
1020	-0.369	-0.412	34.906	28.051	4.29
1030	-0.378	-0.421	34.906	28.052	4.19
1040	-0.388	-0.432	34.907	28.053	4.05
1050	-0.398	-0.442	34.907	28.054	3.92
1060	-0.405	-0.450	34.907	28.054	3.84
1070	-0.417	-0.463	34.908	28.056	3.66
1080	-0.423	-0.469	34.909	28.056	3.58
1090	-0.438	-0.485	34.910	28.058	3.38
1100	-0.445	-0.492	34.910	28.058	3.30
1110	-0.453	-0.500	34.910	28.059	3.20
1120	-0.457	-0.504	34.910	28.059	3.17
1130	-0.469	-0.517	34.911	28.060	3.02
1140	-0.474	-0.523	34.911	28.061	2.93
1150	-0.481	-0.530	34.911	28.061	2.85
1160	-0.492	-0.541	34.912	28.062	2.71
1170	-0.498	-0.548	34.912	28.063	2.64
1180	-0.512	-0.562	34.913	28.065	2.43
1190	-0.516	-0.567	34.913	28.064	2.41
1200	-0.519	-0.570	34.913	28.065	2.36
1210	-0.527	-0.579	34.914	28.066	2.24
1220	-0.530	-0.583	34.914	28.066	2.22
1230	-0.541	-0.594	34.914	28.067	2.08
1240	-0.547	-0.600	34.914	28.067	2.01
1250	-0.555	-0.609	34.915	28.068	1.91
1260	-0.565	-0.619	34.915	28.069	1.77
1270	-0.574	-0.629	34.915	28.069	1.69
1280	-0.582	-0.637	34.915	28.069	1.61
1290	-0.595	-0.650	34.915	28.070	1.50
1300	-0.602	-0.658	34.915	28.070	1.42
1310	-0.608	-0.665	34.915	28.071	1.36
1320	-0.617	-0.674	34.916	28.071	1.24
1330	-0.623	-0.680	34.915	28.071	1.20
1340	-0.632	-0.689	34.916	28.072	1.09
1350	-0.636	-0.694	34.916	28.072	1.02
1360	-0.641	-0.700	34.916	28.073	0.95
1370	-0.648	-0.707	34.916	28.073	0.88
1380	-0.655	-0.715	34.916	28.074	0.79
1390	-0.660	-0.720	34.916	28.074	0.73
1400	-0.678	-0.739	34.916	28.075	0.56
1410	-0.681	-0.742	34.916	28.075	0.53
1420	-0.682	-0.744	34.916	28.075	0.50
1430	-0.682	-0.745	34.916	28.075	0.50
1440	-0.682	-0.745	34.916	28.075	0.46

B91.623					
depth	temp	theta	salnty	sig_th	delta
5	4.744	4.743	33.222	26.295	171.76
10	4.734	4.733	33.219	26.293	171.98
15	4.956	4.955	33.254	26.296	171.71
20	5.088	5.086	33.291	26.311	170.36
25	4.610	4.608	33.563	26.580	144.89
30	2.547	2.545	33.672	26.864	117.79
35	2.829	2.827	33.959	27.069	98.42
40	3.096	3.094	34.268	27.293	77.34
45	2.970	2.967	34.389	27.400	67.16
50	3.097	3.094	34.483	27.464	61.19
55	3.087	3.083	34.507	27.484	59.33
60	4.424	4.420	34.757	27.548	53.48
65	4.187	4.183	34.768	27.582	50.30
70	4.305	4.300	34.801	27.596	49.06
75	4.598	4.592	34.860	27.611	47.80
80	4.396	4.390	34.850	27.625	46.42
85	4.278	4.272	34.848	27.637	45.38
90	4.446	4.439	34.886	27.649	44.34
95	4.312	4.305	34.881	27.659	43.37
100	4.111	4.104	34.865	27.668	42.54
110	3.797	3.790	34.844	27.684	41.09
120	3.742	3.734	34.862	27.704	39.28
130	3.493	3.484	34.856	27.724	37.32
140	3.093	3.084	34.840	27.750	34.87
150	2.686	2.677	34.824	27.774	32.54
160	2.413	2.404	34.812	27.788	31.14
170	2.107	2.098	34.811	27.813	28.73
180	1.892	1.883	34.821	27.837	26.35
190	1.760	1.750	34.824	27.851	25.09
200	1.600	1.590	34.830	27.867	23.48
210	1.362	1.352	34.846	27.897	20.54
220	0.940	0.930	34.862	27.939	16.41
230	0.653	0.643	34.871	27.965	13.76
240	0.600	0.589	34.872	27.969	13.40